

QUANTUM SEAL COMPANY OF AMERICA

DIMENSIONAL PROGRESSION CHART ***OF MECHANICAL SEAL SIZES AND COMPOSTION***

All Quantum Seal catalog part numbers designated as seal replacement aftermarket part numbers are contained in this progression chart listing.

QUANTUM has developed the most comprehensive selection of seals in the sealing industry. There is a QUANTUM seal available for virtually any seal application. The QUANTUM seal line has been developed with over a quarter of a century of hands on application in pumps, compressors and related equipment requiring absolute sealing. QUANTUM seals are produced in the U.S.A.. In the production of QUANTUM seals, all machining of parts is performed under QUANTUM supervision, in assuring of the finest quality materials and workmanship available anywhere.

QUANTUM sets a new standard among the single spring seal companies by offering virtually any sealing face, metallurgy, or elastomer available in the industry. In addition to the industry seal replacement numbers shown in this progression chart, QUANTUM can produce any type of special material request at optional cost. QUANTUM can produce larger shaft sizes on request, with any type of seat combination.

QUANTUM single spring seals consist of the following designs.

Single spring over 3.000 shaft size C-D-E-K-R-T-U-316ss Machined Bar Stock.

Seals produced from 304/316ss Metal Stampings:

| | | | |
|-----------|------------------------------|----------------------|---------------|
| TYPE A... | equal to Crane type 6 | Pressure limit up to | 75lb. P.S.I. |
| TYPE B... | equal to Crane type 6a | Pressure limit up to | 75lb. P.S.I. |
| TYPE C... | equal to Crane type 21..... | Pressure limit up to | 200lb. P.S.I. |
| TYPE D... | equal to Crane type 2 | Pressure limit up to | 250lb. P.S.I. |
| TYPE E... | equal to Crane type 1 | Pressure limit up to | 250lb. P.S.I. |
| TYPE F... | equal to Sealol type F | Pressure limit up to | 75lb. P.S.I. |
| TYPE G... | equal to Crane type 2100.. | Pressure limit up to | 200lb. P.S.I. |
| TYPE K... | equal to Crane type 21 dbl.. | Pressure limit up to | 200lb. P.S.I. |
| TYPE M... | equal to Sealol type M | Pressure limit up to | 75lb. P.S.I. |
| TYPE Q... | equal to Crane type 11A.... | Pressure limit up to | 75lb. P.S.I. |
| TYPE R... | equal to Crane type 2dbl... | Pressure limit up to | 250lb. P.S.I. |
| TYPE T... | equal to Crane type 1dbl... | Pressure limit up to | 250lb. P.S.I. |
| TYPE U... | equal to Crane type 1A..... | Pressure limit up to | 200lb. P.S.I. |

Seals produced from machined 316ss, bronze or carbon bar stock:

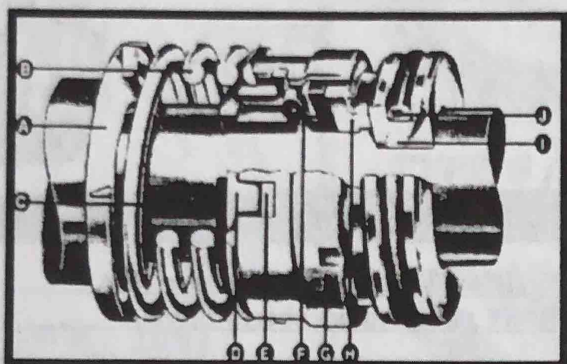
| | | | |
|-------------|-----------------------------|----------------------|----------------|
| TYPE J..... | equal to Garlock PK | Pressure limit up to | 250lb. P.S.I. |
| TYPE L1.. | equal to Sealol type K..... | Pressure limit up to | 1500lb. P.S.I. |
| TYPE L2.. | equal to Sealol type L..... | Pressure limit up to | 1500lb. P.S.I. |
| TYPE S.... | equal to G.R. type GS..... | Pressure limit up to | 200lb. P.S.I. |
| TYPE V.... | equal to Crane type 8D..... | Pressure limit up to | 200lb. P.S.I. |
| TYPE P... | equal to Crane type 8AB... | Pressure limit up to | 500lb. P.S.I. |
| TYPE Y.... | equal to Crane type 9A..... | Pressure limit up to | 500lb. P.S.I. |
| TYPE Z.... | equal to Sealol type S..... | Pressure limit up to | 250lb. P.S.I. |

Many other designs are produced to customer requirement.

The type 1 and 2 series are the most popular seals in use in general industrial applications throughout the USA. These series are available in most materials either balanced or in the standard unbalanced designs to handle the vast majority of industrial requirements.

TYPES 1 AND 2 SERIES
GENERAL SERVICE SEALS

type 1 or type 2 is designed for most common sealing problems that incorporate synthetic rubber sealing members, hot and cold water, steam, many chemicals, acids and corrosives. In the standard unbalanced design, up to 350 psi in certain sizes, with up to 400° in viton elastomers. Up to 750 psi in certain sizes in the balanced design known as the type 1B and type 2B.

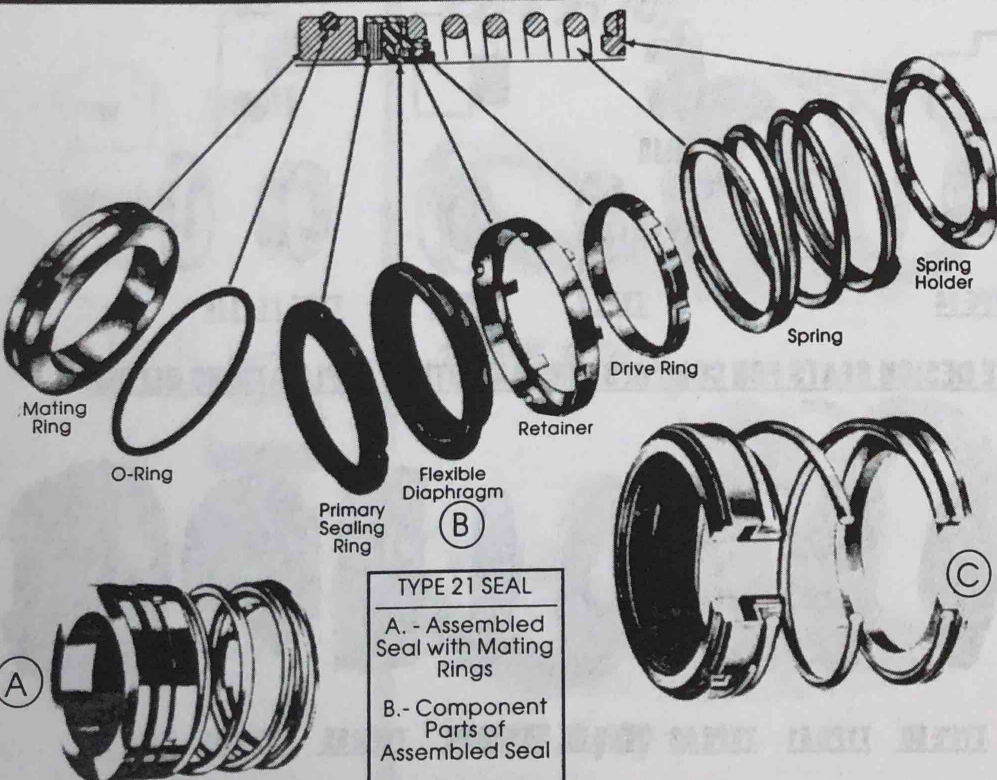
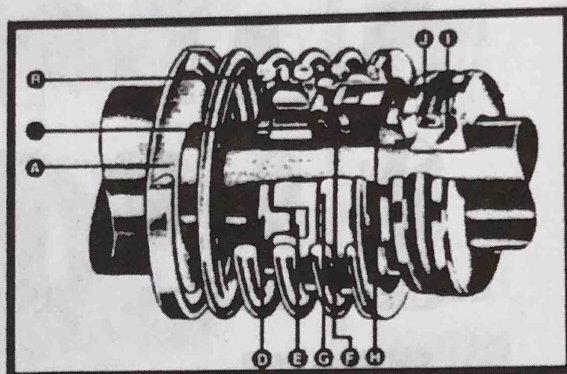


TYPE 1
← Key to Illustration

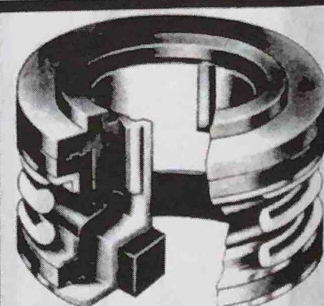
- | | |
|----------------------|-------------------------|
| a. Spring Holder | f. Disc |
| b. Spring | g. Retainer |
| c. Elastomer Bellows | h. Primary Sealing Face |
| d. Drive Band | i. Mating Ring |
| e. Drive Notch | j. O-Ring |

TYPE 2
→ Key to Illustrations

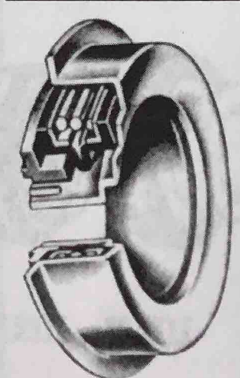
- | | |
|----------------------|-------------------------|
| a. Spring Holder | f. Disc |
| b. Spring | g. Retainer |
| c. Elastomer Bellows | h. Primary Sealing Face |
| d. Drive Band | i. Mating Ring |
| e. Drive Notch | |



TYPE 21 SEAL
A. - Assembled Seal with Mating Rings
B. - Component Parts of Assembled Seal
C. - Cut-a-way View of Seal



Type 6
Cut-A-Way View



Type 6A
Cut-a-way View

MATING FACE SEATS

Cup Mounted Type

A low cost, high volume production ring with large sealing surface for rough bores over 63 RMS. Not for use in high temperature applications, as the ring cup acts as an insulator. Pressure range to 200 PSIG (14.06 kg/cm²).



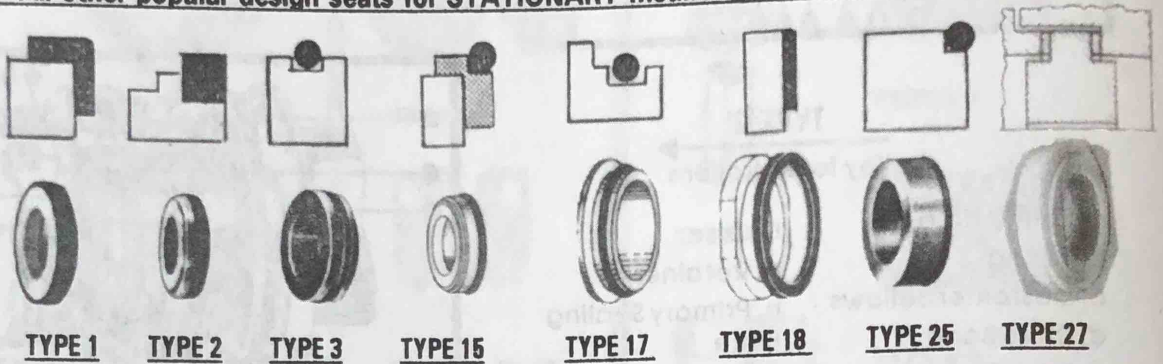
O-Ring type

This type covers the greatest range of application requirements for general services. It is recommended for pressures to 600 PSIG (42 kg/cm²) and for temperature ranges dependent on available elastomers.



The most popular stationary seats for single spring seals are the CUP MOUNT and O-RING styles pictured above.

All other popular design seats for STATIONARY mounting are shown below.



TYPE 1

TYPE 2

TYPE 3

TYPE 15

TYPE 17

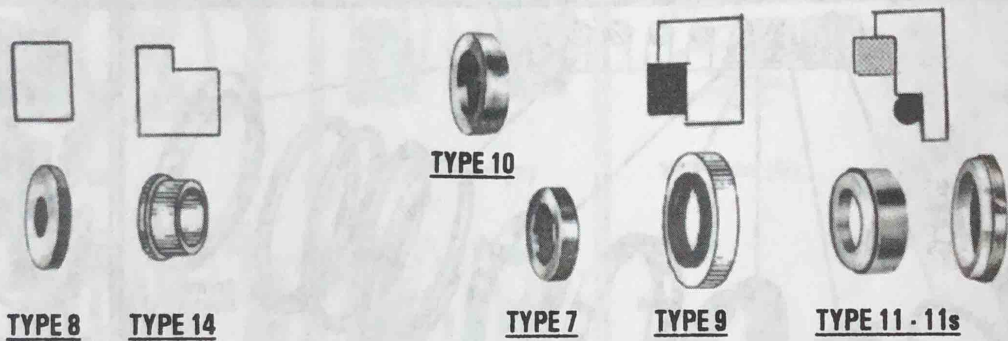
TYPE 18

TYPE 25

TYPE 27

SPECIAL DESIGNS

SHAFT MOUNTED - ROTATING SEATS



TYPE 8

TYPE 14

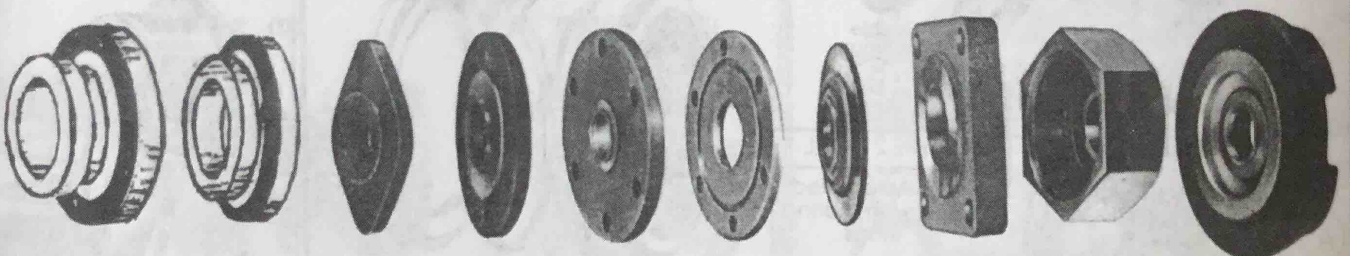
TYPE 10

TYPE 7

TYPE 9

TYPE 11 - 11s

ALL POPULAR PLATE DESIGN SEATS FOR COMPRESSORS AND OTHER APPLICATIONS BELOW.



TYPE 28

TYPE 30

TYPE 50

TYPE 51

TYPE 52

TYPE 53

TYPE 54

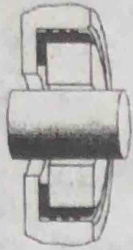
TYPE 55

TYPE 56

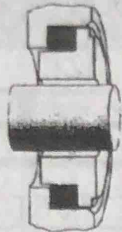
TYPE 57

PROFILE VIEWS OF TYPES 6 - 6a - 21 - 1 - 2 with CUP MOUNT SEATS

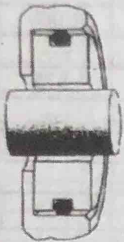
BORE MOUNT



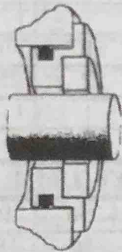
Type 1



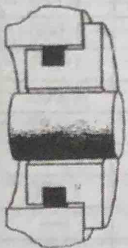
Type 2



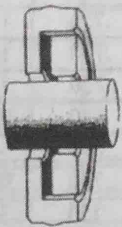
Type 3



Type 15



Type 17



Type 18



Type 25

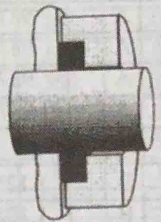
SHAFT MOUNT



Type 6



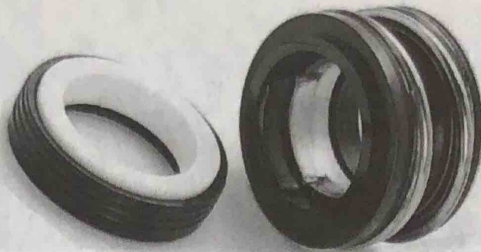
Type 7



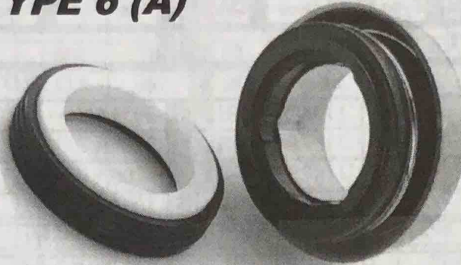
Type 9



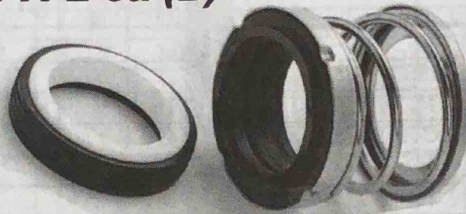
Type 11



TYPE 6 (A)



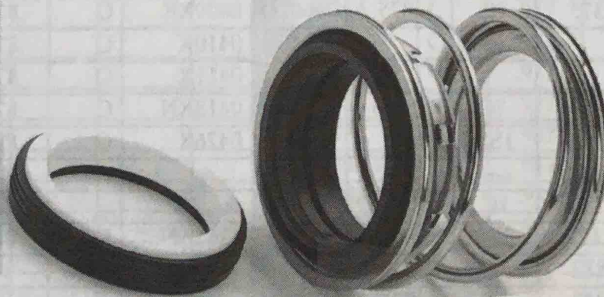
TYPE 6a (B)



TYPE 21 (C)



TYPE 1 (E)



TYPE 2 (D)

STANDARD SEAL FACE and SEAT MATERIALS

The Standard Make up of the overwhelming majority of single spring mechanical seals is the rotary unit with CARBON insert and the Mating ring of either CERAMIC or METAL.

CARBON – Quantum produces all standard seals sold under industry standard part numbers with Metcar 400 or equivalent industrial grade carbon.

CERAMIC – All Cup mount style mating rings are minimum 95% purity Alox. All other style mating rings are minimum 99% Alox.

METAL – Quantum upgraded all metal seats from NiResist Cast iron to 316ss which does not rust or pit as does NiResist. 316ss is suitable for saltwater and many corrosive applications.

Note: BRONZE and CERAMIC inserts are sometimes used as an insert in the rotary in place of CARBON for certain applications.

HARD FACE MATERIALS

SILICON CARBIDE (S.C.) S.C. is the second hardest material below diamond and is used in severe chemical and abrasive applications. It is frequently mated with T.C., S.C., high purity CERAMIC or hard CARBON.

TUNGSTEN CARBIDE (T.C.) T.C. is close to S.C. in hardness and is used mainly in severe abrasive situations. It is usually mated with hard carbon, S.C., or high purity ceramic.

17-4 ph Heat-Treated 17-4 is a lower cost alternative to S.C., T.C., or COATED FACES when abrasion is not severe, or not subjected to corrosive chemical attack.

COATED FACES Metal seats, usually 316ss, may be “hard faced” by spray application of ALOX, stellite and other super hard coatings. Any hard face coating will usually be as expensive, and often more expensive than either S.C. or T.C., and have limitations dependent on chemical applications.

ANTIMONY IMPREGNATED CARBON is a super hard carbon that is used as an insert in the rotary in extremely demanding applications especially in highly abrasive applications.

SEAL IDENTIFICATION

See if you can identify the “TYPE” of seal rotary from the photo’s on the next page.

1. Then measure the shaft size, if you do not already know the shaft size. It is best to measure the O.D. of the actual shaft if possible. If not possible, measure the I.D. of the rotary bellows or O-ring at widest point.
2. Measure the counterbore O.D. of the stationary seat by measuring the I.D. of the bore of the Seat cavity that the seat fits into, of the pump or other appliance. If unable to measure the I.D. or cavity, measure the O.D. of the seat including the gasket or O-ring elastomer fitted to and around the seat.
3. Measure the total thickness of the seat, including gaskets on the cavity side if part of the seat.
4. Measure the free standing length of the Rotary seal EXCLUDING the seat. If possible, measure the length of the chamber the rotary compresses into, or length of fixed setting on the shaft. If unable to measure the chamber, or setting length on the shaft, place the rotary on a flat surface, in a standing position, measure the “free standing” height, then with your hand, compress the rotary to what feels like the final operating height, or “working length”, once installed in the chamber, or on the shaft. Then measure the compressed height. You will have a measurement for the free standing height and one for the compressed height.

ELASTOMERS

AFLAS - is the latest FLUOROELASTOMER developed that is suitable for use in the mechanical seal industry and is compounded for O-rings and Bellows. AFLAS is regarded as an upgrade to VITON in that it has a higher operating temperature limit and is suitable for a wider range of chemical use than VITON. AFLAS cost 2 – 3 times more than VITON, but is several times less than a similar PERFLUORELASTOMER product.

BUNA N (nitrile) - Nitrile is the standard elastomer used in all single spring seals produced by Quantum, and is a good all-purpose elastomer that combines many of the best qualities of the other elastomeric rubbers. This copolymer of butadiene and acrylonitrile furnishes excellent wear characteristics and swell resistance.

NEOPRENE - Neoprene is a synthetic elastomer with excellent resistance to dilute acids, alkalis, oil, some acids and petroleum. It has a tendency to absorb water. It is the elastomer of choice in refrigeration and air compressor applications.

ETHYLENE PROPYLENE (EPR) - EPR or NORDEL is a synthetic elastomer which affords excellent low and high temperature characteristics. It resists attack from a wide range of acids and strong alkalis and does not tend to absorb fluid or swell. It is frequently used in preference to BUNA or Neoprene as an upgrade.

VITON - Viton by Dupont is a synthetic FLUOROELASTOMER with proven fluid resistance at higher temperatures. Viton is the choice for the majority of severe applications, and may be operated continuously up to 400° F.

PERFLUORELASTOMER (FFKM) - is the ultimate elastomer compound in that it affords the highest temperature limit and widest range of chemical use. PERFLUORELASTOMERS have an infinite shelf life. FFKM is manufactured by several companies under the following brand names: **CHEMRAZ- PERLAST – GPLAST – SIMRIZ – KALREZ**. The general temperature limit for FFKM is 500 F, however Dupont produces special compounds up to 650 F.

TEFLON - Teflon is an inert material that has the best resistance to chemical attack of virtually any type and may be operated continuously up to 500° F. It is not regarded as a flexible elastomer, so has low friction resistance and must be utilized with a drive mechanism at even low pressure. QUANTUM elastomers are identified as follows:

Note: AFLAS has a **BLUE** I.D. mark, BUNA N has no mark, NEOPRENE has a **RED** I.D. mark, EPR has a **WHITE** I.D. mark, VITON has a **GREEN** I.D. mark, PERFLUORELASTOMER (unsealed) has a **GOLD** I.D. mark, and CHEMRAZ (unsealed) has a **SILVER** I.D. mark.

TEMPERATURE LIMITS OF ELASTOMERS

| <u>AFLAS</u> | <u>BUNA N</u> | <u>EPR</u> | <u>NEOPRENE</u> | <u>PERFLUORELASTOMER</u> | <u>TEFLON</u> | <u>VITON</u> |
|---------------------|----------------------|-------------------|------------------------|----------------------------------|----------------------|---------------------|
| 450 F. | 225 F. | 300 F. | 175 F. | 500 F.* | 500 F. | 400 F. |
| | | | | * GO TO 650 F. SPECIAL COMPOUNDS | | |

Despite the best efforts of QUANTUM, it is impossible to have every appliance that utilizes seals, cross referenced and in the Dimensional progression chart. There are many obsolete designs still in service and new designs since printing of the QUANTUM catalog or progression chart. If you do not locate your required seal in the QUANTUM progression chart, you can furnish QUANTUM with basic information that will enable QUANTUM to quote price and delivery.

MATERIAL CODE DESIGNATIONS

QUANTUM SEAL COMPANY OF AMERICA (QUANTUM) uses a 3 digit letter code to designate material composition of Mechanical seals. Unlike competitor brands QUANTUM does NOT make 1st, 2nd, or 3rd grade material combinations. QUANTUM incorporates only 1st grade materials in all seals. As an example, U.S. SEAL COMPANY (U.S.) offers different lower grades of metal for rotary metal retainers and Springs. The U.S. type E is standard brass or 18-8 series stainless steel. The standard springs for many type E and D rotaries are plain steel or 18-8 series stainless. The standard metal for all QUANTUM seals is 304 stainless all metal parts including springs. The standard metal for all Type E rotaries and springs is 316SS.

U.S. and other competitors use Ni resist cast iron as standard metal for metal seats. QUANTUM uses 316ss as standard for all metal seats. Ni resist and 316ss are about the same hardness on the Rockwell scale. 316ss is far superior in every category of seal use than Ni resist as follows:

Ni-resist is not suitable for salt water use. Ni resist is not suitable for food processing use. Ni resist is not suitable for chemical applications use. Ni resist is not rust proof.

316ss is suitable for Salt water use. 316ss is suitable for food processing use. 316ss is suitable for chemical applications use. 316ss is rust proof.

316ss is the preferred choice for any and all uses requiring metal seats. QUANTUM innovated the use of 316ss in 1994 and is the only replacement market seal company that uses 316ss as the standard for all metal seats. All other replacement seal companies still utilize Ni resist as their standard metal seats. If you require 316ss metal seats, it may be offered as an option at very high additional costs from other seal companies. QUANTUM, producing metal seats of 316ss as the standard is able to offer QUANTUM seals at the same or lower costs than the lower quality Ni resist utilized by our competitors.

As QUANTUM uses only stainless steel as standard for all springs there is not need for a 5 digit material code to designate spring material as used by competitors. The QUANTUM code is 3 digits as shown below.

| <u>ELASTOMERS</u> | <u>SEAL FACE (INSERT)</u> | <u>SEAT (MATING RING)</u> |
|-------------------------|---------------------------|------------------------------|
| AF - AFLAS | BR - BRONZE | CA,,,,CARBON |
| B - BUNA N (Nitrile) | CA - CARBON | CE...CERAMIC |
| E - EPR (EPDM) | CE - CERAMIC | CO...CHROME OXIDE |
| N - NEOPRENE | HC - HARD CARBON # | SC....SILICON CARBIDE |
| PF - PERFLUORELASTOMER* | SC - SILICON CARBIDE | SS....STAINLESS STEEL, 316ss |
| S - SILICONE | SS - STAINLESS STEEL | STE..STELLITE |
| TF - TEFLON | TC - TUNGSTEN CARBIDE | TC....TUNGSTEN CARBIDE |
| V - VITON | | TFG..GLASS FILLED TEFLON |
| | | 17-4..17-4PH (Heat treated) |

TYPICAL MATERIAL CODE EXAMPLES

B/CA/SS....PF/SC/TC.....AF/CA/SC.....V/CA/CE.....E/SC/SC.....TF/CA/TC

Metal retainers/spring options such as Hasteloy C (H-C) or Monel (M) are shown in the "NOTE" column

*CHEMRAZ or KALREZ

#HARD CARBON, Chemical grade or Antimony impregnated

DIMENSIONAL CROSS-REFERENCE BY SHAFT SIZE

| ROTARY | | | SEAT | | | | MATERIAL | |
|---------------------------|------|-------|------------|------|---------|-------|----------|---------------|
| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
| .312 (5/16") SHAFT | | | | | | | | |
| QS-4055 | A | 1.062 | 0.656 | 1C | 1.000 | 0.312 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-114 | C | 0.812 | 0.656 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-1064 | C | 0.812 | 0.812 | 3C | 0.875 | 0.312 | | B/CA/CE |
| QS-1064V | C | 0.812 | 0.812 | 3C | 0.875 | 0.312 | | V/CA/CE |
| QS-3102X | C | 0.812 | 0.640 | --- | --- | --- | | B/CA/--- |
| QS-3103X | C | 0.812 | 0.640 | 1C | 0.750 | 0.250 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-9720 | T9 | 0.843 | 0.687 | 2SC | 0.875 | 0.312 | 316SS | CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| .375 (3/8") SHAFT | | | | | | | | |
| QS-377 | A | 0.937 | 0.640 | --- | --- | --- | | B/CA/--- |
| QS-511 | A | 0.937 | 0.640 | 1SS | 0.875 | 0.218 | | B/CA/SS |
| QS-1614X | A | 0.937 | 0.656 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-5055ATF | A | 0.937 | 0.640 | 1CTF | 0.875 | 0.219 | | TF/CA/CE |
| QS-03030X | A | 0.937 | 0.640 | 1C | 0.875 | 0.281 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-671 | B | 1.125 | 0.375 | 1C | 0.875 | 0.165 | | B/CA/CE |
| QS-671V | B | 1.125 | 0.375 | 1C | 0.875 | 0.165 | | V/CA/CE |
| QS-718 | B | 1.125 | 0.375 | 9SS | --- | 0.240 | | B/CA/SS |
| QS-1046A | B | 1.125 | 0.375 | 1C | 0.875 | 0.240 | | B/CA/CE |
| QS-1071 | B | 1.125 | 0.375 | 1C | 0.875 | 0.312 | | B/CA/CE |
| QS-1615 | B | 1.125 | 0.375 | 1C | 1.000 | 0.203 | | B/CA/CE |
| QS-1616 | B | 1.125 | 0.375 | 9C | --- | 0.190 | | B/CA/CE |
| QS-0301X | B | 1.125 | 0.375 | --- | --- | --- | | B/CA/--- |
| QS-0302X | B | 1.125 | 0.375 | --- | --- | --- | | V/CA/--- |
| QS-0303X | B | 1.125 | 0.375 | --- | --- | --- | | E/CA/--- |
| QS-0304X | B | 1.125 | 0.375 | 1C | 0.875 | 0.160 | | B/CA/CE |
| QS-0308X | B | 1.125 | 0.375 | 1B | 0.875 | 0.160 | | B/CA/BR |
| QS-0309X | B | 1.125 | 0.375 | 1SS | 0.875 | 0.240 | | B/CA/SS |
| | | | | | | | | |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .375 (3/8") (continued) | | | | | | | | |
| QS-0312X | C | 0.812 | 0.750 | 1C | 1.000 | 0.250 | | B/CA/CE |
| QS-0318X | C | 0.812 | 0.750 | 1SS | 0.875 | 0.284 | | B/CA/SS |
| QS-302XN | C | 0.812 | 0.750 | --- | --- | --- | | N/CA/--- |
| QS-1025 | C | 0.812 | 0.588 | 1C | 1.000 | 0.192 | | B/CA/CE |
| QS-1025V | C | 0.812 | 0.588 | 1C | 1.000 | 0.192 | | V/CA/CE |
| QS-1064AN | C | 0.812 | 1.125 | 1SS | 0.825 | 0.625 | | N/CA/SS |
| QS-1065 | C | 0.812 | 0.812 | 3C | 0.875 | 0.312 | | B/CA/CE |
| QS-1065-E | C | 0.812 | 0.812 | 3C | 0.875 | 0.312 | | E/CA/CE |
| QS-1065V | C | 0.812 | 0.812 | 3C | 0.875 | 0.312 | | V/CA/CE |
| QS-1074A | C | 0.812 | 0.600 | 1C | 0.875 | 0.219 | | B/CA/CE |
| QS-1403A | C | 0.812 | 0.812 | 1B | 0.875 | 0.375 | | B/CA/BR |
| QS-2051AN | C | 0.812 | 0.750 | 1B | 1.312 | 0.312 | | N/CA/BR |
| QS-2400A | C | 0.812 | 0.900 | 1C | 1.000 | 0.375 | | B/CA/CE |
| QS-3082E | C | 0.812 | 0.812 | 3C | 0.875 | 0.312 | | E/CA/CE |
| QS-3100A | C | 0.812 | 0.750 | --- | --- | --- | | B/CA/--- |
| QS-5025AN | C | 0.812 | 0.900 | 1C | 0.875 | 0.219 | | N/CA/CE |
| QS-7845A | C | 0.812 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-030400X | C | 0.812 | 0.750 | 1C | 0.875 | 0.284 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-1400A | L-1 | 0.750 | 0.850 | 8B | 0.563 | 0.281 | | B/SS/BR |
| | | | | | | | | |
| | | | | | | | | |
| QS-160 | M | 0.906 | SP | 1C | 1.000 | 0.375 | | B/CA/CE |
| QS-170 | M | 0.906 | SP | 2SS | 1.000 | 0.375 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| .394 (10MM) SHAFT | | | | | | | | |
| QS-MG1-3950 | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| QS-1410U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1410L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| .437 (7/16") SHAFT | | | | | | | | |
| QS-117N | C | 0.875 | 1.250 | 1C | 1.000 | 0.312 | | N/CA/CE |
| QS-174 | C | 0.875 | 0.718 | 1SS | 1.175 | 0.240 | | B/CA/SS |
| QS-1069AN | C | 0.875 | 1.250 | 3SS | 1.000 | 0.312 | | N/CA/SS |
| QS-1133N | C | 0.875 | 0.750 | 1C | 1.181 | 0.285 | | N/CA/CE |
| QS-2410AN | C | 0.875 | 1.400 | 1C | 1.000 | 0.703 | | N/CA/CE |
| QS-3578E | C | 0.875 | 0.718 | 1C | 1.175 | 0.240 | | E/CA/CE |
| QS-3578V | C | 0.875 | 0.718 | 1C | 1.175 | 0.240 | | V/CA/CE |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|---------------------------------|-------|-------|------------|------|---------|-------|-------|--------------------|
| .437 (7/16") (continued) | | | | | | | | |
| QS-4800AN | C | 0.875 | 0.750 | 1C | 1.187 | 0.265 | | N/CA/CE |
| QS-8475A | C | 0.875 | 0.750 | 1C | 1.187 | 0.265 | | B/CA/CE |
| QS-9190A | C | 0.875 | 1.250 | 3C | 1.000 | 0.312 | | B/CA/CE |
| QS-0401X | C | 0.875 | 0.750 | --- | --- | --- | | B/CA/--- |
| QS-0402XN | C | 0.875 | 0.750 | --- | --- | --- | | N/CA/--- |
| QS-0404X | C | 0.875 | 0.750 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-0409X | C | 0.875 | 0.750 | 1C | 1.181 | 0.254 | | B/CA/CE |
| QS-0409XE | C | 0.875 | 0.750 | 1C | 1.181 | 0.254 | | E/CA/CE |
| QS-0410X | C | 0.875 | 0.750 | 3SS | 1.181 | 0.250 | | B/CA/SS |
| QS-0411X | C | 0.875 | 0.690 | --- | --- | --- | | B/CA/--- |
| QS-0418XN | C | 0.875 | 0.750 | 3SS | 1.181 | 0.250 | | N/CA/SS |
| QS-0426X | C | 0.875 | 0.750 | 3C | 1.000 | 0.312 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-2727 | G | 0.866 | 0.769 | 15C | 1.181 | 0.281 | | V/CA/SC |
| QS-4060 | G | 0.866 | 0.769 | 1C | 1.181 | 0.281 | | B/CA/CE |
| QS-4061E | G | 0.866 | 0.769 | 1C | 1.181 | 0.281 | | E/CA/CE |
| QS-4062E | G | 0.866 | 0.769 | 1C | 1.181 | 0.281 | | E/CA/CE |
| QS-4063V | G | 0.866 | 0.769 | 1C | 1.181 | 0.281 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-2727V | K | 0.866 | 0.769 | 1C | 1.181 | 0.281 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-4265AN | L-2 | 0.812 | 1.625 | --- | --- | --- | | N/SS/--- |
| | | | | | | | | |
| | | | | | | | | |
| .472 (12 MM) SHAFT | | | | | | | | |
| QSM-2966 | C-DBL | 22MM | 30.3MM | G60 | 25MM | 5M | | V/CA/SC V/SC/SC |
| QSM-2967 | C-DBL | 22MM | 30.3MM | G60 | 26MM | 5M | | V/CA/SC V/SC/SC |
| QSM-2968 | C-DBL | 22MM | 30.3MM | G60 | 28MM | 5M | | V/CA/SC V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-2807 | G | 22MM | 15MM | 1C | 23MM | 6MM | 316SS | B/CA/CE |
| QS-3000 | G | 22MM | 15MM | 1SC | 26MM | 5MM | | B/SC/SC |
| QS-4000 CASC | G | 22MM | 15MM | 1SC | 23MM | 6MM | | E/CA/SC |
| QS-4225 CASC | G | 22MM | 34MM | 1SC | 23MM | 6MM | 316SS | E/CA/SC |
| | | | | | | | | |
| | | | | | | | | |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|-----------|---------|-------|----------|---------------|
| .500 (1/2") (continued) | | | | | | | | |
| QS-162 | A | 1.062 | 0.656 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-280 | A | 1.062 | 0.687 | 2B | 1.125 | 0.593 | | B/CA/BR |
| QS-298 | A | 1.062 | 0.656 | --- | --- | --- | | B/CA/--- |
| QS-506 | A | 1.062 | 0.656 | 1SS | 1.000 | 0.290 | | B/CA/SS |
| QS-670 | A | 1.062 | 0.656 | 3SS | 0.875 | 0.218 | | B/CA/SS |
| QS-1040A | A | 1.062 | 0.656 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-2800A | A | 1.062 | 0.656 | 1C | 1.125 | 0.593 | | B/CA/CE |
| QS-2800AV | A | 1.062 | 0.656 | 1C | 1.125 | 0.593 | | V/CA/CE |
| QS-3225 | A | 1.062 | 0.656 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-5120A | A | 1.062 | 0.656 | 3SS | 1.000 | 0.312 | | B/CA/SS |
| QS-8700A | A | 1.062 | 0.656 | 11CS | 1.000 | 0.312 | | B/CA/CE/SS |
| QS-0502X | A | 1.062 | 0.656 | --- | --- | --- | | B/CA/--- |
| QS-0523X | A | 1.062 | 0.656 | 3C | 1.000 | 0.312 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-142 | B | 1.125 | 0.537 | 1C | 1.000 | 0.218 | | B/CA/CE |
| QS-142V | B | 1.125 | 0.547 | 1C | 1.000 | 0.218 | | V/CA/CE |
| QS-149 | B | 1.125 | 0.537 | 8SS | M.O.S. | 0.062 | | B/CA/SS |
| QS-150 | B | 1.125 | 0.537 | --- | --- | --- | | B/CA/--- |
| QS-155 | B | 1.125 | 0.537 | 8SS | M.O.S. | 0.125 | | B/CA/SS |
| QS-163 | B | 1.125 | 0.537 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-163V | B | 1.125 | 0.547 | 1C | 1.000 | 0.312 | | V/CA/CE |
| QS-164 | B | 1.125 | 0.537 | 9SS | M.O.S. | 0.312 | | B/CA/SS |
| QS-165 | B | 1.125 | 0.537 | 9C | M.O.S. | 0.312 | | B/CA/CE |
| QS-489 | B | 1.125 | 0.513 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-788 | B | 1.125 | 0.537 | 1SS | 1.000 | 0.290 | | B/CA/SS |
| QS-1036A | B | 1.125 | 0.537 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-1037A | B | 1.125 | 0.537 | 1C | 1.000 | 0.560 | | B/CA/CE |
| QS-1073A | B | 1.125 | 0.537 | SP | M.O.S. | 0.201 | | B/CA/SS |
| QS-1075A | B | 1.125 | 0.537 | 11CS | M.O.S. | 0.342 | | B/CA/CE-SS |
| QS-1078AE | B | 1.125 | 0.537 | 1C | 1.000 | 0.281 | | E/CA/CE |
| QS-1079A | B | 1.125 | 0.537 | 7C | M.O.S. | 0.295 | | B/CA/CE |
| QS-1082AV | B | 1.125 | 0.537 | 7C | M.O.S. | 0.295 | | V/CA/CE |
| QS-1098 | B | 1.125 | 0.537 | 1C | 0.875 | 0.165 | | B/CA/CE |
| QS-1137 | B | 1.125 | 0.418 | 1C | 1.000 | 0.187 | | B/CA/CE |
| QS-1149 | B | 1.125 | 0.537 | 9C | M.O.S. | 0.212 | | B/CA/CE |
| QS-1500AV | B | 1.125 | 0.537 | --- | --- | --- | | V/CA/--- |
| QS-1550A | B | 1.125 | 0.537 | 8SS | M.O.S. | 0.123 | | B/CA/SS |
| QS-1640A | B | 1.125 | 0.537 | 7SS | M.O.S. | 0.295 | | B/CA/SS |
| QS-1643A | B | 1.125 | 0.537 | 1C | 1.000 | 0.279 | | B/CA/CE |
| QS-2726 | B | 1.131 | 0.693 | 1 Special | 0.950 | --- | Unitized | B/CA/CE |
| QS-3048 | B | 1.125 | 0.547 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-4360 | B | 1.125 | 0.547 | 8SC | --- | 0.312 | | B/SC/SC |
| QS-6300A | B | 1.125 | 0.537 | 10SS | M.O.S. | 0.342 | | B/CA/SS |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .500 (1/2") (continued) | | | | | | | | |
| QS-106 | C | 0.937 | 0.812 | 1SS | 1.000 | 0.290 | | B/CA/SS |
| QS-106-E | C | 0.937 | 0.812 | 1SS | 1.000 | 0.312 | | E/CA/SS |
| QS-106V | C | 0.937 | 0.812 | 1SS | 1.000 | 0.312 | | V/CA/SS |
| QS-190 | C | 0.937 | 0.812 | 3SS | 1.500 | 0.260 | | B/CA/SS |
| QS-221 | C | 0.937 | 0.781 | 2SS | 1.375 | 0.187 | | B/CA/SS |
| QS-392 | C | 0.937 | 0.781 | 1C | 0.938 | 0.225 | | B/CA/CE |
| QS-392-E-HC | C | 0.937 | 0.718 | 1C | 0.938 | 0.225 | HC/++ | E/CA/CE |
| QS-392-HC | C | 0.937 | 0.718 | 1C | 0.938 | 0.225 | HC/++ | B/CA/CE |
| QS-392V | C | 0.937 | 0.781 | 1C | 0.938 | 0.225 | | V/CA/CE |
| QS-392V-HC | C | 0.937 | 0.781 | 1C | 0.938 | 0.225 | HC/++ | V/CA/CE |
| QS-393 | C | 0.937 | 0.718 | 1SS | 0.938 | 0.225 | | B/CA/SS |
| QS-400 | C | 0.937 | 0.718 | --- | --- | --- | | B/CA/--- |
| QS-400A | --- | --- | --- | 1C | 0.938 | 0.225 | | B/---/CE |
| QS-400V | C | 0.937 | 0.718 | --- | --- | --- | | V/CA/--- |
| QS-401 | C | 0.937 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-401-HC | C | 0.937 | 0.812 | --- | --- | --- | HC | B/CA/--- |
| QS-401A | C | 0.937 | 0.812 | 1C | 0.938 | 0.225 | | B/CA/CE |
| QS-420 | C | 0.906 | 0.718 | 2B | 1.062 | 0.290 | | B/CA/BR |
| QS-504 | C | 0.937 | 0.718 | 2B | 1.062 | 0.250 | | B/CA/BR |
| QS-631 | C | 0.937 | 0.812 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-632 | C | 0.937 | 0.812 | 1SS | 1.000 | 0.290 | | B/CA/SS |
| QS-984 | C | 0.937 | 0.812 | 1SS | 0.938 | 0.250 | | B/CA/SS |
| QS-985 | C | 0.937 | 0.812 | 1C | 1.125 | 0.230 | | B/CA/CE |
| QS-1002 | C | 0.937 | 0.812 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-1002E | C | 0.937 | 0.812 | 1C | 1.000 | 0.312 | | E/CA/CE |
| QS-1002-HC | C | 0.937 | 0.812 | 1C | 1.000 | 0.312 | HC/++ | B/CA/CE |
| QS-1002V | C | 0.937 | 0.812 | 1C | 1.000 | 0.312 | | V/CA/CE |
| QS-1005AN | C | 0.937 | 0.625 | --- | --- | --- | | N/CA/--- |
| QS-1012 | C | 0.937 | 0.812 | 1C | 0.938 | 0.225 | | B/CA/CE |
| QS-1012-E | C | 0.937 | 0.812 | 1C | 0.938 | 0.225 | | E/CA/CE |
| QS-1012V | C | 0.937 | 0.812 | 1C | 0.938 | 0.225 | | V/CA/CE |
| QS-1043 | C | 0.937 | 0.718 | 1C | 1.000 | 0.218 | | B/CA/CE |
| QS-1043A | C | 0.937 | 0.718 | 1B | 1.062 | 0.344 | | B/CA/BR |
| QS-1050 | C | 0.937 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-1050A | C | 0.937 | 0.718 | 1B | 1.187 | 0.203 | | B/CA/BR |
| QS-1050AV | C | 0.937 | 0.718 | 1B | 1.187 | 0.203 | | V/CA/BR |
| QS-1050-E | C | 0.937 | 0.812 | --- | --- | --- | | E/CA/--- |
| QS-1050V | C | 0.937 | 0.812 | --- | --- | --- | | V/CA/--- |
| QS-1055AN | C | 0.937 | 0.718 | 1B | 1.312 | 0.312 | | N/CA/BR |
| QS-1065AN | C | 0.937 | 0.718 | 1SS | 1.000 | 0.250 | | N/CA/SS |
| QS-1070A | C | 0.937 | 0.718 | 1SS | 1.062 | 0.312 | | B/CA/SS |
| QS-1084A | C | 0.937 | 0.812 | 3SS | 1.125 | 0.312 | | B/CA/SS |
| QS-1120 | C | 0.937 | 0.718 | 1C | 1.062 | 0.312 | | B/CA/CE |
| QS-1900AN | C | 0.937 | 0.718 | 3SS | 1.500 | 0.297 | | N/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|---------------------|------|---------|-------|-------|---------------|
| .500 (1/2") (continued) | | | | | | | | |
| QS-2138 | C | 0.937 | 0.605 | SPSS | 1.360 | 0.300 | | B/CA/SS |
| QS-2320AN | C | 0.937 | 0.718 | 54 | 1.375 | PLT | | N/CA/SS |
| QS-2420A | C | 0.937 | 1.200 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-2720 | C | 0.937 | 0.750 | 3C | 1.000 | 0.312 | | B/CA/CE |
| QS-2730 CASC | C | 0.937 | 0.591 | 1SC | 1.000 | 0.312 | | E/CA/SC |
| QS-3052 HC | C | 0.937 | 0.812 | 1C | 0.938 | 0.225 | HC | E/CA/CE |
| QS-3172 | C | 0.937 | 0.812 | 3SS | 1.000 | 0.312 | | B/CA/SS |
| QS-3197V | C | 0.937 | 0.812 | 3C | 1.000 | 0.312 | 316SS | V/CA/CE |
| QS-3226V | C | 0.937 | 0.812 | 3SS | 1.000 | 0.312 | | V/CA/SS |
| QS-3561 | C | 0.937 | 0.611 | 1C | 0.938 | 0.250 | | B/CA/CE |
| QS-3563 CASC | C | 0.937 | 0.611 | 1SC | 0.938 | 0.250 | | E/CA/SC |
| QS-3583 | C | 0.922 | 0.750 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-3715 | C | 0.937 | 0.625 | 1C | 0.938 | 0.213 | | V/CA/CE |
| QS-3735V | C | 0.937 | 0.840 | 3SS | 1.125 | 0.265 | | V/CA/SS |
| QS-3843V | C | 0.937 | 0.625 | 1C | 0.938 | 0.218 | | V/CA/CE |
| QS-3844V | C | 0.937 | 0.625 | 1C | 0.938 | 0.213 | | V/CA/CE |
| QS-3913 | C | 0.937 | 0.812 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-4003AE | C | 0.937 | 0.718 | --- | --- | --- | | E/CA/--- |
| QS-4011A | C | 0.937 | 0.718 | 11CS | 0.875 | 0.205 | | B/CA/CESS |
| QS-4011AV | C | 0.937 | 0.718 | 11CS | 0.875 | 0.205 | | V/CA/CESS |
| QS-4045 | C | 0.937 | 0.812 | 3C | 1.000 | 0.312 | | B/CA/CE |
| QS-4200AN | C | 0.937 | 0.718 | 1B | 1.062 | 0.250 | | N/CA/SS |
| QS-4214 | C | 0.937 | 0.594 | 1C | 1.000 | 0.187 | | B/CA/CE |
| QS-4625AN | C | 0.937 | 0.718 | --- | --- | --- | | N/CA/--- |
| QS-5040AN | C | 0.937 | 0.656 | 1B | 1.062 | 0.350 | | N/CA/BR |
| QS-5300A | C | 0.937 | USE EXISTING SPRING | | | --- | | B/CA/--- |
| QS-5350A | C | 0.937 | 0.656 | 51SS | 0.995 | PLT | | B/CA/SS |
| QS-6321 | C | 0.937 | 0.840 | 3SS | 1.125 | 0.265 | | B/CA/SS |
| QS-6710A | C | 0.937 | 0.656 | 3SS | 0.875 | 0.218 | | B/CA/SS |
| QS-6935A | C | 0.937 | 0.875 | 1B | 1.125 | 0.375 | | B/CA/BR |
| QS-7526A | C | 0.937 | 0.605 | 1B | 1.000 | 0.250 | | B/CA/BR |
| QS-7712 | C | 0.937 | 0.750 | 1C | 1.125 | 0.237 | | B/CA/CE |
| QS-7740 | C | 0.937 | 0.640 | 1C | 1.000 | 0.218 | | B/CA/CE |
| QS-9030AN | C | 0.937 | 0.718 | 1SS | 1.000 | 0.312 | | N/CA/SS |
| QS-9956A | C | 0.937 | 0.656 | 1SS | 1.125 | 0.250 | | B/CA/SS |
| QS-0507X | C | 0.937 | 0.718 | 2B | 1.062 | 0.375 | | B/CA/BR |
| QS-0536XV | C | 0.937 | 0.718 | 2SC | 1.093 | 0.190 | | V/CA/BR |
| QS-1539X | C | 0.937 | 0.718 | 1SS | 1.000 | 0.203 | | B/CA/SS |
| QS-0555X | C | 0.937 | 0.812 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-0589X | C | 0.937 | 0.605 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-05060X | C | 0.937 | 0.605 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-4625AB | C | 0.937 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-4625AC | C | 0.937 | 0.796 | --- | --- | --- | | B/CA/--- |
| QS-4625ADV | C | 0.937 | 0.812 | --- | --- | --- | | V/CA/--- |

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|---------|---------|-------|-------|---------------|
| .500 (1/2") (continued) | | | | | | | | |
| QS-9030A | C | 0.937 | 0.656 | 2B | 1.000 | 0.375 | | B/CA/BR |
| QS-168 | E | 0.937 | 0.831 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-666 | E | 0.937 | 0.831 | 1SS | 1.000 | 0.290 | | B/CA/SS |
| QS-930 | E | 0.937 | 0.831 | --- | --- | --- | | B/CA/--- |
| QS-1045A | E | 0.937 | 0.875 | 1C | 1.000 | 0.316 | | |
| QS-1080A | E | 0.937 | 0.831 | 3C | 1.000 | 0.281 | | B/CA/CE |
| QS-1086A | E | 0.937 | 1.140 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-1606 | E | 0.937 | 1.140 | 11CS | 0.875 | 0.205 | | B/CA/CESS |
| QS-1628 | E | 0.937 | 1.140 | 14SS | 1.000 | 0.656 | | B/CA/SS |
| QS-1629 | E | 0.937 | 1.140 | Special | 1.000 | 0.687 | | B/CA/SS |
| QS-2420AN | E | 0.937 | 1.140 | 1C | 1.000 | 3.120 | | N/CA/CE |
| QS-3896V | E | 0.937 | 1.140 | Special | 1.000 | 0.687 | | V/CA/SS |
| QS-4451 | E | 0.937 | 1.140 | Special | 1.193 | 0.656 | | E/CA/SS |
| QS-6950AN | E | 0.937 | 1.140 | 54 | 0.995 | PLT | | N/CA/SS |
| QS-7948 | E | 0.937 | 1.140 | Special | 1.193 | 0.656 | | B/CA/SS |
| QS-7948N | E | 0.937 | 1.140 | Special | 1.193 | 0.656 | | N/CA/SS |
| QS-7948V | E | 0.937 | 1.140 | Special | 1.193 | 0.656 | | V/CA/SS |
| QS-0533X | E | 0.937 | 1.090 | 2SS | 1.250 | 0.576 | | B/CA/SS |
| QS-0590X | E | 0.937 | 0.530 | 3SS | 1.000 | 0.312 | | B/CA/SS |
| QS-1063A | F | 1.109 | 0.590 | 1C | 1.000 | 0.302 | | B/CA/CE |
| QS-9464A | F | 1.109 | 0.590 | 8SS | 1.188 | 0.406 | | B/CA/SS |
| QS-9465A | F | 1.109 | 0.590 | 8SS | 1.240 | 0.406 | | B/CA/SS |
| QS-9466A | F | 1.109 | 0.590 | 8SS | 1.240 | 0.406 | | B/CA/SS |
| QS-9467A | F | 1.109 | 0.590 | 8C | 1.238 | 0.302 | | B/CA/CE |
| QS-9471 | F | 1.109 | 0.590 | 8C | 1.238 | 0.302 | | B/CA/CE |
| QS-2700 | G | 0.945 | 0.696 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-3001V | G | 0.945 | 0.812 | 3C | 1.000 | 0.312 | | V/CA/CE |
| QS-3002V | G | 0.945 | 0.812 | 3C | 1.000 | 0.312 | 316SS | V/CA/CE |
| QS-3003 | G | 0.945 | 0.656 | 3C | 1.000 | 0.312 | | B/CA/CE |
| QS-3004 CASC | G | 0.945 | 0.591 | 1SC | 1.000 | 0.312 | | E/CA/SC |
| QS-3450V SCSC | G | 0.945 | 0.812 | 1SC | 1.000 | 0.312 | | V/SC/SC |
| QS-3568 SCSC | G | 0.945 | 0.591 | 1SC | 1.000 | 0.312 | | E/SC/SC |
| QS-4180 | G | 0.945 | 0.812 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-4349 SCSC | G | 0.945 | 0.591 | 1SC | 0.938 | 0.294 | | E/SC/SC |
| QS-4558V | G | 0.945 | 0.591 | 1C | 1.000 | 0.312 | | V/CA/CE |
| QS-1071A | K | 0.937 | 0.975 | --- | --- | --- | | B/CA/--- |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|-----------------|-------|------------|---------|---------|---------|----------|---------------|
| .500 (1/2") (continued) | | | | | | | | |
| QS-1083A | K | 0.937 | 1.125 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-0583X | K | 0.937 | 1.125 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-0586X | K | 0.937 | 1.125 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-2100AN | L-1 | 1.062 | NO SPRG | 52CA | --- | PLT | | N/CA/SS |
| QS-2102AN | L-1 | 1.062 | NO SPRG | 52 | --- | PLT | | N/CA/SS |
| QS-7980AN | L-1 | 0.938 | 0.950 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-1015AN | L-2 | 0.875 | 1.225 | --- | --- | --- | | N/CA/--- |
| QS-1025A | L-2 | 0.875 | 1.675 | --- | --- | --- | | B/CA/--- |
| QS-1077AN | L-2 | 0.875 | 1.175 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-663 | Q | 1.125 | 0.390 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-749 | Q | 1.125 | 0.390 | 1C | 0.937 | 0.225 | | B/CA/CE |
| QS-1112 | Q | 1.125 | 0.390 | 9C | --- | 0.312 | | B/CA/CE |
| QS-1137 | Q | 1.125 | 0.418 | 1C | 1.000 | 0.187 | | B/CA/CE |
| QS-1149 | Q | 1.125 | 0.408 | 9C | 1.000 | 0.218 | | B/CA/CE |
| QS-1621 | Q | 1.125 | 0.390 | 9C | --- | 0.171 | | B/CA/CE |
| QS-2713 | Q | 1.125 | 0.408 | 8C | 0.906 | 0.213 | | B/CA/CE |
| QS-2721 | Q | 1.139 | 0.390 | Special | 1.000 | 0.213 | | B/CA/CE |
| QS-2732V | Q | 1.125 | 0.408 | 8SS | 1.000 | 0.218 | | V/CA/SS |
| QS-3033 | Q | 1.125 | 0.408 | 8C | 1.000 | 0.218 | | B/CA/CE |
| QS-4038 | Q | 1.125 | 0.390 | 9C | --- | 0.218 | | B/CA/CE |
| QS-4064 | Special | 1.125 | 0.710 | Special | 0.950 | Special | Unitized | B/CA/CE |
| QS-6313 | Q | 1.139 | 0.390 | 1C | 1.019 | 0.208 | | B/CA/CE |
| QS-0510X | Q | 1.125 | 0.390 | --- | --- | --- | | B/CA/--- |
| QS-0517XE | Q | 1.125 | 0.390 | 1C | 1.000 | 0.312 | | E/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-4330A | T | 0.937 | 1.425 | 1C | 1.000 | 0.312 | | B/CA/CE |
| QS-0585X | T | 0.937 | 1.425 | 1SS | 1.000 | 0.312 | | B/CA/SS |
| QS-0587X | T | 0.937 | 1.425 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-9012 | T9 | 1.031 | 0.812 | --- | --- | --- | 316SS | B/CA/--- |
| QS-9320 | 9 Special | 0.937 | 1.109 | Special | 1.193 | 0.656 | | TF/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3800V | 8-1 | 1.031 | 0.812 | 3SS | 1.000 | 0.312 | ++316SS | V/CA/SS |
| QS-3729 | 8-1T Special | 0.875 | 0.527 | 3SS | 1.000 | 0.312 | 316SS | B/CA/SS |
| QS-4588V CASC | 8-1T Special | 0.875 | 0.527 | 1SC | 1.000 | 0.312 | 316SS | V/CA/SC |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|-----------------|-------|------------|------|---------|-------|-------|--------------------|
| .500 (1/2") (continued) | | | | | | | | |
| QS-7727V | 8-1T Special | 0.875 | 0.527 | 3SS | 1.000 | 0.312 | 316SS | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| .512 (13MM) SHAFT | | | | | | | | |
| QSM-2981V | C-DBL | 0.937 | 0.875 | G60 | --- | 5MM | | V/SC/SC V/CA/CE |
| .552 (14MM) SHAFT | | | | | | | | |
| QSM-2969 | C-DBL | 24MM | 38.3MM | G60 | 26MM | 5MM | | V/CA/SC V/SC/SC |
| QSM-2970 | C-DBL | 24MM | 38.3MM | G60 | 28MM | 5MM | | V/CA/SC V/SC/SC |
| QSM-2971 | C-DBL | 24MM | 38.3MM | G60 | 30MM | 5MM | | V/CA/SC V/SC/SC |
| QSM-2982V | C-DBL | 0.937 | 1.500 | G60 | --- | 5MM | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| .562 (9/16") SHAFT | | | | | | | | |
| QS-1061V | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-500 | C | 1.062 | 0.812 | 2B | 1.031 | 0.312 | | B/CA/BR |
| QS-558 | C | 1.062 | 0.812 | 1SS | 1.000 | 0.290 | | B/CA/SS |
| QS-928 | C | 1.062 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-1095AN | C | 1.062 | 0.750 | 52 | --- | PLT | | N/CA/SS |
| QS-1096AN | C | 1.062 | 0.750 | --- | --- | --- | | N/CA/--- |
| QS-1105AN | C | 1.062 | 0.750 | 1SS | 1.000 | 0.312 | | N/CA/SS |
| QS-3542V | C | 1.000 | 0.808 | 3SS | 1.031 | 0.312 | | V/CA/SS |
| QS-3911A | C | 1.062 | 0.875 | 50 | 0.938 | PLT | | B/CA/PLT |
| QS-4292 | C | 1.000 | 0.808 | 3SS | 1.031 | 0.312 | | B/CA/SS |
| QS-4335AN | C | 1.062 | 0.812 | 3SS | 1.031 | 0.281 | | N/CA/SS |
| QS-9705AN | C | 1.062 | 0.700 | 1SS | 1.312 | 0.312 | | N/CA/SS |
| QS-05607X | C | 1.062 | 0.812 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-05610X | C | 1.062 | 0.875 | --- | --- | --- | | B/CA/--- |
| QS-05613X | C | 1.062 | 0.800 | 3SS | 1.125 | 0.410 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-9464A | F | 1.109 | 0.590 | 8SS | 1.188 | 0.406 | | B/CA/SS |
| QS-9465A | F | 1.109 | 0.590 | 8SS | 1.240 | 0.406 | | B/CA/SS |
| QS-9466A | F | 1.109 | 0.590 | 8SS | 1.240 | 0.406 | | B/CA/SS |
| QS-9467A | F | 1.109 | 0.590 | 8C | 1.238 | 0.302 | | B/CA/CE |
| QS-9471 | F | 1.109 | 0.590 | 8C | 1.238 | 0.302 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|---------------------------------|-------|-------|------------|------|---------|-------|-------|--------------------|
| .562 (9/16") (continued) | | | | | | | | |
| QS-1607 | K | 1.062 | 1.187 | --- | --- | --- | | B/CA/--- |
| QS-2100AN | L-1 | 1.062 | NO SPRG | 52CA | --- | PLT | | N/CA/PLT |
| QS-2102AN | L-1 | 1.062 | NO SPRG | 52 | --- | PLT | | N/CA/PLT |
| QS-7980AN | L-1 | 0.938 | 0.950 | --- | --- | --- | | N/CA/--- |
| QS-1090AN | L-2 | 0.938 | 1.625 | --- | --- | --- | | N/BR/--- |
| .578 SHAFT | | | | | | | | |
| QS-1408A | C | 1.062 | 0.670 | 1C | 1.250 | 0.406 | | B/CA/CE |
| .590 (15MM) SHAFT | | | | | | | | |
| QS-3093 HC | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | HC | B/CA/CE |
| QS-3140V | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-7520 HC | C | 1.062 | 0.875 | 1SS | 1.250 | 0.406 | HC | B/CA/SS |
| QS-7520V HC | C | 1.062 | 0.875 | 1SS | 1.250 | 0.406 | HC | V/CA/SS |
| QS-7553 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QSM-2979V | C-DBL | 1.062 | 0.875 | G60 | 1.181 | --- | | V/SC/SC V/CA/CE |
| QS-129 | D | 1.312 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-138 | D | 1.312 | 1.156 | 5SS | 1.093 | 0.406 | | B/CA/SS |
| QS-1675 | D | 1.312 | 0.875 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-3192V HC | D | 1.312 | 0.875 | 1SS | 1.250 | 0.406 | HC | V/CA/SS |
| QS-5938A | D | 1.312 | 0.875 | 3SS | 1.170 | 0.250 | | B/CA/SS |
| QS-20719XN | D | 1.312 | 1.043 | --- | --- | --- | | N/CA/--- |
| QS-05902X | D | 1.312 | 0.125 | --- | --- | --- | | B/CA/--- |
| QS-MG1-3951 | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| QS-1415U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1415L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| .594 SHAFT | | | | | | | | |
| QS-1110AN | L-1 | 1.000 | 1.130 | --- | --- | --- | | N/CA/--- |
| .625 (5/8") SHAFT | | | | | | | | |
| QS-100 | A | 1.218 | 0.718 | 1C | 1.187 | 0.343 | | B/CA/CE |

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-100-E | A | 1.218 | 0.718 | 1C | 1.187 | 0.343 | | E/CA/CE |
| QS-100-SC-SC | A | 1.218 | 0.718 | 1SC | 1.187 | 0.343 | | B/SC/SC |
| QS-100V | A | 1.218 | 0.718 | 1C | 1.187 | 0.343 | | V/CA/CE |
| QS-100V-HC | A | 1.218 | 0.718 | 1C | 1.187 | 0.343 | HC | V/CA/CE |
| QS-100V-SC-SC | A | 1.218 | 0.718 | 1SC | 1.187 | 0.343 | | V/SC/SC |
| QS-100VOR | A | 1.218 | 0.718 | 3C | 1.187 | 0.343 | | V/CA/CE |
| QS-148 | A | 1.218 | 0.718 | 1SS | 1.125 | 0.500 | | B/CA/SS |
| QS-153 | A | 1.218 | 0.811 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-153V | A | 1.218 | 0.811 | 1SS | 1.250 | 0.406 | | V/CA/SS |
| QS-153VOR | A | 1.218 | 0.811 | 3SS | 1.250 | 0.406 | | V/CA/SS |
| QS-166 | A | 1.218 | 0.811 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-198 | A | 1.218 | 0.718 | 8SS | --- | 0.125 | | B/CA/SS |
| QS-200 | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-200-E | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | E/CA/CE |
| QS-200-SC-SC | A | 1.218 | 0.718 | 1SC | 1.250 | 0.406 | | B/SC/SC |
| QS-200V | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-200V-HC | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-200V-SC-SC | A | 1.218 | 0.718 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-200VOR | A | 1.218 | 0.718 | 3C | 1.250 | 0.406 | | V/CA/CE |
| QS-218 | A | 1.218 | 0.718 | --- | --- | --- | | B/CA/--- |
| QS-232 | A | 1.218 | 0.718 | 3SS | 1.207 | 0.250 | | B/CA/SS |
| QS-293 | A | 1.218 | 0.718 | P-IN | 0.815 | 0.312 | | B/CA/SS |
| QS-293E | A | 1.218 | 0.718 | 14SS | 0.814 | 0.312 | | E/CA/SS |
| QS-293V | A | 1.218 | 0.718 | 14SS | 0.814 | 0.312 | | V/CA/SS |
| QS-299 | A | 1.218 | 0.718 | --- | --- | --- | | B/CA/--- |
| QS-300 | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-300V | A | 1.218 | 0.718 | 3C | 1.250 | 0.406 | | V/CA/CE |
| QS-300VOR | A | 1.218 | 0.718 | 3C | 1.250 | 0.406 | | V/CA/CE |
| QS-372 | A | 1.218 | 0.718 | 1SS | 1.250 | 0.250 | | B/CA/SS |
| QS-425 | A | 1.218 | 0.812 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-442 | A | 1.218 | 0.718 | 1C | 1.312 | 0.250 | | B/CA/CE |
| QS-501 | A | 1.218 | 0.811 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-501V | A | 1.218 | 0.811 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-501VOR | A | 1.218 | 0.811 | 3C | 1.250 | 0.406 | | V/CA/CE |
| QS-507 | A | 1.218 | 0.718 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-507V | A | 1.218 | 0.718 | 3C | 1.250 | 0.406 | | V/CA/SS |
| QS-507VOR | A | 1.218 | 0.718 | 3SS | 1.250 | 0.406 | | V/CA/SS |
| QS-516 | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-518 | A | 1.218 | 0.718 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-518-SC-SC | A | 1.218 | 0.718 | 1SC | 1.187 | 0.296 | | B/SC/SC |
| QS-524 | A | 1.218 | 0.718 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-524E | A | 1.218 | 0.718 | 1SS | 1.250 | 0.406 | | E/CA/SS |
| QS-528 | A | 1.218 | 0.718 | 1C | 1.375 | 0.562 | | B/CA/CE |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|--------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-528V | A | 1.218 | 0.718 | 1C | 1.375 | 0.562 | | V/CA/CE |
| QS-551 | A | 1.218 | 0.718 | 1C | 1.250 | 0.283 | | B/CA/CE |
| QS-628 | A | 1.218 | 0.718 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-637 | A | 1.218 | 0.718 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-680 | A | 1.218 | 0.718 | 1C | 1.187 | 0.288 | | B/CA/CE |
| QS-701 | A | 1.218 | 0.718 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-701-E | A | 1.218 | 0.718 | 1SS | 1.187 | 0.288 | | E/CA/SS |
| QS-701V | A | 1.218 | 0.718 | 1SS | 1.187 | 0.288 | | V/CA/SS |
| QS-702 | A | 1.218 | 0.718 | 1C | 1.187 | 0.288 | | B/CA/CE |
| QS-702-E | A | 1.218 | 0.718 | 1C | 1.187 | 0.288 | | E/CA/CE |
| QS-702V | A | 1.218 | 0.718 | 1C | 1.187 | 0.288 | | V/CA/CE |
| QS-702V-HC | A | 1.218 | 0.718 | 1C | 1.187 | 0.288 | HC | V/CA/CE |
| QS-711 | A | 1.218 | 0.718 | 3C | 1.187 | 0.343 | | B/CA/CE |
| QS-711CA-AV | A | 1.218 | 0.718 | 3SS | 1.187 | 0.343 | | V/CA/SS |
| QS-896 | A | 1.218 | 0.718 | 3C | 1.187 | 0.343 | | B/CA/CE |
| QS-920 | A | 1.218 | 0.718 | 1SS | 1.141 | 0.312 | | B/CA/SS |
| QS-952 | A | 1.218 | 0.811 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-952-HC | A | 1.218 | 0.843 | 1C | 1.250 | 0.406 | HC | B/CA/CE |
| QS-953 | A | 1.218 | 0.811 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-954 | A | 1.218 | 0.811 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-954V | A | 1.218 | 0.843 | 1SS | 1.250 | 0.406 | | V/CA/SS |
| QS-955 | A | 1.218 | 0.811 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-957 | A | 1.218 | 0.718 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-1006A | A | 1.218 | 0.718 | 8C | 1.094 | 0.312 | | B/CA/CE |
| QS-1061A | A | 1.218 | 0.718 | 1TC | 1.250 | 0.406 | | B/CA/TC |
| QS-1061AV | A | 1.218 | 0.718 | 1TC | 1.250 | 0.406 | | V/CA/TC |
| QS-1114 | A | 1.218 | 0.811 | P-IN | 1.096 | 0.312 | | B/CA/SS |
| QS-1116AV | A | 1.218 | 0.718 | 1SS | 1.250 | 0.437 | | V/CA/SS |
| QS-1121A | A | 1.218 | 0.718 | 1C | 1.375 | 0.461 | | B/CA/CE |
| QS-1121AV | A | 1.218 | 0.718 | 1C | 1.375 | 0.461 | | V/CA/CE |
| QS-1126A | A | 1.218 | 0.718 | 1C | 1.150 | 0.295 | | B/CA/CE |
| QS-1150 | A | 1.218 | 0.718 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-1160A | A | 1.218 | 0.718 | 3SS | 1.125 | 0.459 | | B/CA/SS |
| QS-1185A | A | 1.218 | 0.812 | 1C(TF) | 1.250 | 0.406 | | B/CA/CETF |
| QS-1212A | A | 1.218 | 0.812 | 8C | 1.081 | 0.312 | | B/CA/CE |
| QS-1240A | A | 1.218 | 0.718 | 3C | 1.187 | 0.312 | | B/CA/CE |
| QS-1240AV | A | 1.218 | 0.718 | 3C | 1.187 | 0.341 | | V/CA/CE |
| QS-1241AE | A | 1.218 | 0.718 | 3C | 1.187 | 0.341 | | E/CA/CE |
| QS-1243AE | A | 1.218 | 0.718 | 1SS | 1.250 | 0.250 | | E/CA/SS |
| QS-1244A | A | 1.218 | 0.718 | 3C | 1.187 | 0.406 | | B/CA/CE |
| QS-1249A | A | 1.218 | 0.875 | 1C | 1.250 | 0.437 | | B/CA/CE |
| QS-1903V SCSC | A | 1.218 | 0.811 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-2000AE | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | | E/CA/CE |
| QS-2002AV | A | 1.218 | 0.718 | 1SS | 1.250 | 0.406 | | V/CA/SS |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-2131 | A | 1.218 | 0.718 | 31C | --- | --- | # | B/CA/CE |
| QS-2131V | A | 1.218 | 0.718 | 31C | --- | --- | # | V/CA/CE |
| QS-2172 | A | 1.218 | 0.718 | 1C | --- | 0.562 | # | B/CA/CE |
| QS-2204V CATC | A | 1.218 | 0.718 | 1TC | 1.250 | 0.406 | | V/CA/TC |
| QS-2321A | A | 1.218 | 0.718 | 3SS | 1.187 | 0.250 | | B/CA/SS |
| QS-3000A | A | 1.218 | 0.950 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-3000AV | A | 1.218 | 0.950 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-3228V | A | 1.218 | 0.718 | 1C | 1.250 | 0.406 | 316SS | V/CA/CE |
| QS-3816V | A | 1.218 | 0.811 | 1C | 1.250 | 0.406 | HC | V/CA/SS |
| QS-3864V | A | 1.218 | 0.811 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-3977V SCSC | A | 1.218 | 0.734 | 1SC | 1.187 | 0.296 | | V/SC/SC |
| QS-4027E | A | 1.218 | 0.718 | 1C | 1.250 | 0.155 | | E/CA/CE |
| QS-4165A | A | 1.218 | 0.718 | 1B | 1.312 | 0.343 | | B/CA/BR |
| QS-4240 | A | 1.218 | 0.718 | 1C | 1.187 | 0.296 | | B/CA/CE |
| QS-4240V | A | 1.218 | 0.718 | 1C | 1.187 | 0.296 | | V/CA/CE |
| QS-4284V CASC | A | 1.218 | 0.718 | 1SC | 1.187 | 0.296 | | V/CA/SC |
| QS-4355 SCTC | A | 1.218 | 0.718 | 1TC | 1.250 | 0.406 | | B/SC/TC |
| QS-4371V | A | 1.218 | 0.811 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-4424V | A | 1.218 | 0.718 | 1C | 1.250 | 0.155 | | V/CA/CE |
| QS-4462 | A | 1.218 | 0.718 | 1C | 1.187 | 0.296 | | B/CA/CE |
| QS-4705A | A | 1.218 | 0.718 | 1C | 1.320 | 0.343 | | B/CA/CE |
| QS-5200A | A | 1.218 | 0.718 | 1SS | 1.125 | 0.484 | | B/CA/SS |
| QS-5955A | A | 1.218 | 0.718 | 1SS | 1.312 | 0.469 | | B/CA/SS |
| QS-7000AE | A | 1.218 | 0.718 | 1C | 1.187 | 0.296 | | E/CA/CE |
| QS-8710A | A | 1.218 | 0.718 | 11CS | 1.250 | 0.406 | | B/CA/CESS |
| QS-9070A | A | 1.218 | 0.718 | 1SS | 1.250 | 0.250 | | B/CA/SS |
| QS-9071A | A | 1.218 | 0.718 | 1C | 1.250 | 0.250 | | B/CA/CE |
| QS-9900A | A | 1.218 | 0.718 | 1B | 1.312 | 0.312 | | B/CA/BR |
| QS-0619X | A | 1.218 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-0630X | A | 1.218 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-0672XX | A | 1.218 | 0.718 | 1SC | 1.250 | 0.406 | | B/CA/SC |
| QS-06987XX | A | 1.218 | 0.718 | 1TC | 1.187 | 0.343 | | B/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-113 | B | 1.437 | 0.615 | 1C | 1.093 | 0.218 | | B/CA/CE |
| QS-151 | B | 1.437 | 0.615 | 1C | 1.375 | 0.288 | | B/CA/CE |
| QS-200A | B | 1.437 | 0.615 | 1C | 1.250 | 0.283 | | B/CA/CE |
| QS-202 | B | 1.437 | 0.615 | 11CS | --- | 0.375 | | B/CA/CESS |
| QS-202V | B | 1.437 | 0.615 | 11CS | --- | 0.375 | | V/CA/CESS |
| QS-233 | B | 1.437 | 0.615 | 1C | 1.312 | 0.250 | | B/CA/CE |
| QS-260 | B | 1.437 | 0.615 | 11CS | --- | 0.375 | | B/CA/CESS |

NOTE: HC - HARD CARBON
- MOUNTS IN PLASTIC

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-409 | B | 1.437 | 0.615 | 8SS | --- | 0.187 | | B/CA/SS |
| QS-411 | B | 1.437 | 0.615 | 11CS | --- | 0.487 | | B/CA/CESS |
| QS-411P | B | 1.437 | 0.615 | 11CS | --- | 0.487 | | E/CA/CESS |
| QS-411V | B | 1.437 | 0.615 | 11CS | --- | 0.487 | | V/CA/CESS |
| QS-414 | B | 1.437 | 0.615 | 11CS | --- | 0.328 | | B/CA/CESS |
| QS-447 | B | 1.437 | 0.615 | 9C | --- | 0.215 | | B/CA/CE |
| QS-447V | B | 1.437 | 0.615 | 9C | --- | 0.215 | | V/CA/CE |
| QS-447V-HC | B | 1.437 | 0.615 | 9C | --- | 0.215 | HC | V/CA/CE |
| QS-451 | B | 1.437 | 0.615 | 9SS | --- | 0.320 | | B/CA/SS |
| QS-452 | B | 1.437 | 0.615 | 9C | --- | 0.312 | | B/CA/CE |
| QS-452V | B | 1.437 | 0.615 | 9C | --- | 0.312 | | V/CA/CE |
| QS-453 | B | 1.437 | 0.615 | 9SS | --- | 0.215 | | B/CA/SS |
| QS-453V | B | 1.437 | 0.615 | 9SS | --- | 0.215 | | V/CA/SS |
| QS-522 | B | 1.437 | 0.615 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-600 | B | 1.437 | 0.615 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-600V | B | 1.437 | 0.615 | 3C | 1.187 | 0.343 | | V/CA/CE |
| QS-600V-HC | B | 1.437 | 0.615 | 1C | 1.187 | 0.343 | HC | V/CA/CE |
| QS-616 | B | 1.437 | 0.615 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-642 | B | 1.437 | 0.615 | --- | --- | --- | | B/CA/--- |
| QS-700 | B | 1.437 | 0.615 | 1C | 1.187 | 0.288 | | B/CA/CE |
| QS-712 | B | 1.437 | 0.615 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-715 | B | 1.437 | 0.615 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-716 | B | 1.437 | 0.615 | 3C | 1.187 | 0.288 | | B/CA/CE |
| QS-717 | B | 1.437 | 0.615 | 3C | 1.187 | 0.343 | | B/CA/CE |
| QS-720 | B | 1.437 | 0.615 | 9CS | --- | 0.343 | | B/CA/CESS |
| QS-882 | B | 1.437 | 0.615 | --- | --- | --- | | B/CA/--- |
| QS-961 | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-963 | B | 1.437 | 0.615 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-964 | B | 1.437 | 0.615 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-1000 | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-1000V | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-1000V-HC | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-1005A | B | 1.437 | 0.615 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-1013V | B | 1.437 | 0.615 | 11CS | --- | 0.375 | | V/CA/CESS |
| QS-1021 | B | 1.437 | 0.615 | 9C | --- | 0.215 | | B/CA/CE |
| QS-1089V | B | 1.437 | 0.615 | 1C | 1.093 | 0.218 | | V/CA/CE |
| QS-1129 | B | 1.437 | 0.615 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-1147A | B | 1.437 | 0.615 | 8C | --- | 0.215 | | B/CA/CE |
| QS-1151 | B | 1.437 | 0.615 | 2SS | 1.250 | 0.343 | | B/CA/SS |
| QS-1152 | B | 1.437 | 0.615 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-1246A | B | 1.437 | 0.615 | 9C | ---- | 0.307 | | B/CA/CE |
| QS-1905 VSCSC | B | 1.437 | 0.615 | 1SC | 1.250 | 0.406 | 316SS | V/SC/SC |
| QS-2161 | B | 1.437 | 0.615 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-2731 | B | 1.437 | 0.603 | 1C | 1.250 | 0.406 | | B/CA/CE |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|---------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-2734 | B | 1.437 | 0.615 | 8 | 1.109 | 0.213 | | B/CA/SS |
| QS-2742 | B | 1.437 | 0.607 | 1C | 1.250 | 0.406 | 316SS | B/CA/CE |
| QS-2819 SCSC | B | 1.437 | 0.615 | 11SC | --- | 0.375 | | E/SC/SC |
| QS-3047 | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-3102 | B | 1.437 | 0.615 | 11C | --- | 0.375 | | B/CA/CE |
| QS-3103V | B | 1.437 | 0.615 | 11C | --- | 0.375 | | V/CA/CE |
| QS-3106V SCSC | B | 1.437 | 0.615 | 11SC | | 0.375 | | V/SC/SC |
| QS-3124 | B | 1.437 | 0.615 | 1C | 1.087 | 0.213 | | B/CA/CE |
| QS-3159 | B | 1.437 | 0.615 | 8C | --- | 0.215 | | B/CA/CE |
| QS-3202-E | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | E/CA/CE |
| QS-3212V | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-3667 | B | 1.437 | 0.615 | 9SC | --- | 0.237 | | B/SC/SC |
| QS-3741V SCSC | B | 1.437 | 0.603 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-3845 | B | 1.437 | 0.753 | 8C | 1.109 | 0.213 | | B/CA/CE |
| QS-3865R V | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-3926V | B | 1.437 | 0.615 | 9SS | 1.062 | 0.520 | 316SS | V/CA/SS |
| QS-4112A | B | 1.437 | 0.615 | 1C | 1.187 | 0.296 | | B/CA/CE |
| QS-4112AV | B | 1.437 | 0.615 | 1C | 1.187 | 0.296 | | V/CA/CE |
| QS-4114V | B | 1.437 | 0.615 | 8SS | --- | 0.213 | | V/CA/SS |
| QS-4114A | B | 1.437 | 0.615 | 7SS | --- | 0.406 | | B/CA/SS |
| QS-4248V | B | 1.437 | 0.615 | 8SS | --- | 0.215 | | V/SC/SS |
| QS-4290A | B | 1.437 | 0.615 | 11CS | --- | 0.375 | | B/CA/CESS |
| QS-4403 | B | 1.437 | 0.425 | Special | 1.030 | --- | | B/CA/SS |
| QS-4479 | B | 1.437 | 0.615 | 9C | 1.109 | 0.213 | | E/CA/CE |
| QS-4557 | B | 1.437 | 0.615 | 1C | 1.187 | 0.180 | | B/CA/CE |
| QS-4560 HC | B | 1.437 | 0.615 | 1C | 1.250 | 0.406 | HC | B/CA/CE |
| QS-4587 | B | 1.437 | 0.615 | 8 | 1.109 | 0.213 | | B/CA/SS |
| QS-4660A | B | 1.437 | 0.615 | 3SS | 1.180 | 0.250 | | B/CA/SS |
| QS-5940A | B | 1.437 | 0.615 | 7C | --- | 0.406 | | B/CA/CE |
| QS-6015 | B | 1.437 | 0.615 | 1B | 1.187 | 0.172 | | B/CA/BR |
| QS-7700A | B | 1.437 | 0.615 | 9SS | --- | 0.312 | | B/CA/SS |
| QS-7929V SCSC | B | 1.437 | 0.615 | 1SC | 1.250 | 0.125 | | V/SC/SC |
| QS-9904A | B | 1.437 | 0.615 | 1SS | 1.187 | 0.172 | | B/CA/SS |
| QS-9928A | B | 1.437 | 0.615 | 1C | 1.250 | 0.343 | | B/CA/CE |
| QS-10050A | B | 1.437 | 0.615 | 1C | 1.375 | 0.280 | | B/CA/CE |
| QS-10050AV | B | 1.437 | 0.615 | 1C | 1.375 | 0.280 | | V/CA/CE |
| QS-10051A | B | 1.437 | 0.615 | 1SS | 1.375 | 0.280 | | B/CA/SS |
| QS-0611X | B | 1.437 | 0.615 | 1C | 1.078 | 0.210 | | B/CA/CE |
| QS-0613X | B | 1.437 | 0.615 | 6SS | --- | 0.225 | | B/CA/SS |
| | | | | | | | | |
| QS-104 | C | 1.062 | 0.875 | 3B | 1.000 | 0.470 | | B/CA/BR |
| QS-110 | C | 1.062 | 0.812 | 3SS | 1.125 | 0.500 | | B/CA/SS |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-118 | C | 1.062 | 0.812 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-118V | C | 1.062 | 0.875 | 3C | 1.187 | 0.343 | | V/CA/CE |
| QS-118V-HC | C | 1.062 | 0.875 | 1C | 1.187 | 0.343 | HC | V/CA/CE |
| QS-181N | C | 1.062 | 0.843 | 50 | --- | PLT | | N/CA/PLT |
| QS-222 | C | 1.062 | 0.875 | 3SS | 1.125 | 0.500 | | B/CA/SS |
| QS-290 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-290-E | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | E/CA/CE |
| QS-290-HC | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | HC | B/CA/CE |
| QS-290V | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-359 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-359-E-HC | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | HC | E/CA/CE |
| QS-359-E-HC-TC | C | 1.062 | 0.875 | 1TC | 1.250 | 0.406 | HC | E/CA/TC |
| QS-359V HC | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-493 | C | 1.062 | 0.875 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-493V | C | 1.062 | 0.875 | 1SS | 1.187 | 0.288 | | V/CA/SS |
| QS-536 | C | 1.062 | 0.875 | 3C | 1.187 | 0.343 | | B/CA/CE |
| QS-552 | C | 1.062 | 0.875 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-552-E | C | 1.062 | 0.875 | 3C | 1.250 | 0.406 | | E/CA/CE |
| QS-552-E-HC | C | 1.062 | 0.875 | 3C | 1.250 | 0.406 | HC | E/CA/CE |
| QS-552-SCSC | | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | | B/SC/SC |
| QS-626V | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-633 | C | 1.062 | 0.875 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-633-TCTC | C | 1.062 | 0.875 | 1TC | 1.250 | 0.406 | | B/TC/TC |
| QS-633V | C | 1.062 | 0.875 | 3SS | 1.250 | 0.406 | | V/CA/SS |
| QS-633V-HC | C | 1.062 | 0.875 | 3SS | 1.250 | 0.406 | HC | V/CA/SS |
| QS-633V-TC-SEAT | C | 1.062 | 0.875 | 3TC | 1.250 | 0.406 | | V/CA/TC |
| QS-633V-TC-SC | C | 1.062 | 0.875 | 3SC | 1.250 | 0.406 | | V/TC/SC |
| QS-732 | C | 1.062 | 0.875 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-732E | C | 1.062 | 0.875 | 3SS | 1.250 | 0.406 | | E/CA/SS |
| QS-732E-HC | C | 1.062 | 0.875 | 3 | 1.250 | 0.406 | HC | E/CA/SS |
| QS-733 | C | 1.062 | 0.875 | 3C | 1.187 | 0.288 | | B/CA/CE |
| QS-800 | C | 1.062 | 0.875 | 1C | 1.156 | 0.312 | | B/CA/CE |
| QS-800V | C | 1.062 | 1.187 | 1C | 1.156 | 0.312 | | V/CA/CE |
| QS-810N | C | 1.062 | 0.765 | 1C | 1.250 | 0.406 | * | N/CA/CE |
| QS-810V-HC | C | 1.062 | 0.765 | 1C | 1.250 | 0.406 | HC/* | V/CA/CE |
| QS-869 | C | 1.062 | 0.875 | 3C | 1.448 | 0.265 | | B/CA/CE |
| QS-900 | C | 1.062 | 0.812 | 2B | 1.187 | 0.312 | | B/CA/BR |
| QS-901 | C | 1.062 | 0.812 | 8B | 1.187 | 0.312 | | B/CA/BR |
| QS-933 | C | 1.062 | 0.875 | --- | --- | --- | | B/CA/--- |
| QS-933-HC | C | 1.062 | 0.875 | --- | --- | --- | HC | B/CA/--- |

NOTE: PLT - PLATE SEAT
HC - HARD CARBON
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|--------------|------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-933V | C | 1.062 | 0.875 | --- | --- | --- | | V/CA/--- |
| QS-951-E | C | 1.062 | 0.875 | 3 | 1.375 | 0.406 | | E/CA/--- |
| QS-951V | C | 1.062 | 0.875 | 3SS | 1.375 | 0.406 | | V/CA/SS |
| QS-970 | C | 1.062 | 0.875 | 2B | 1.312 | 0.312 | | B/CA/BR |
| QS-980 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-989N | C | 1.062 | 0.765 | 1C | 1.187 | 0.288 | * | N/CA/CE |
| QS-990N | C | 1.062 | 0.765 | 2B | 1.312 | 0.312 | | N/CA/BR |
| QS-1016 | C | 1.062 | 0.765 | 1C | 1.187 | 0.343 | * | B/CA/CE |
| QS-1027 | C | 1.062 | 0.906 | 1SS | 1.141 | 0.312 | | B/CA/SS |
| QS-1045V | C | 1.062 | 0.718 | 3C | 1.250 | 0.406 | | V/CA/CE |
| QS-1066 | C | 1.062 | 0.875 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-1079N | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | N/CA/CE |
| QS-1080N | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | N/CA/SS |
| QS-1085 | C | 1.312 | 0.937 | 1C | 1.250 | 0.406 | * | B/CA/CE |
| QS-1085V | C | 1.062 | 0.937 | 1C | 1.250 | 0.406 | * | V/CA/CE |
| QS-1091V | C | 1.062 | 0.715 | 1C | 1.187 | 0.343 | | V/CA/CE |
| QS-1100A | C-S | 1.062 | 0.937 | 3B | 1.000 | 0.656 | | B/CA/BR |
| QS-1108A | C-S | 1.062 | 0.937 | --- | --- | --- | | B/CA/--- |
| QS-1112A | C | 1.062 | 0.665 | 1C | 1.312 | 0.312 | | B/CA/CE |
| QS-1115AN | C | 1.062 | 1.060 | 54 | --- | PLT | | N/CA/SS |
| QS-1119 | C | 1.062 | 1.025 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-1119V | C | 1.062 | .968 / 1.093 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-1124AE | C | 1.062 | 0.875 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-1124AV | C | 1.062 | 0.875 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-1125AN | C | 1.062 | 0.812 | 1SS | 1.062 | 0.312 | | N/CA/SS |
| QS-1135A | C-S | 1.062 | 0.937 | --- | --- | --- | | B/CA/--- |
| QS-1140A | C | 1.062 | 0.980 | 1SS | 1.000 | 0.297 | | B/CA/SS |
| QS-1145A | C | 1.062 | 0.875 | 1SS | 1.125 | 0.406 | | B/CA/SS |
| QS-1154 | C | 1.062 | 0.875 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-1155 | C | 1.062 | 0.875 | 1C | 1.187 | 0.288 | | N/CA/CE |
| QS-1155V | C | 1.062 | 0.875 | 1C | 1.187 | 0.288 | | V/CA/CE |
| QS-1155V-CATC | C | 1.062 | 0.875 | 1TC | 1.187 | 0.288 | | V/CA/TC |
| QS-1156 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-1156V | C | 1.062 | 0.812 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-1165A | C | 1.062 | 0.690 | 1SS | 1.125 | 0.406 | | B/CA/SS |
| QS-1170AN | C | 1.062 | 0.875 | 51 | --- | PLT | | N/CA/PLT |
| QS-1215AN | C | 1.062 | 0.937 | --- | --- | --- | | N/CA/--- |
| QS-1216AN | C | 1.062 | 0.937 | 1B | 1.125 | 0.125 | | N/CA/BR |
| QS-1218A | C | 1.062 | 0.937 | 1C | 1.145 | 0.312 | | B/CA/CE |
| QS-1220AN | C | 1.062 | 0.875 | 1SS | 1.125 | 0.250 | | N/CA/SS |
| QS-1230A | C | 1.062 | 1.060 | --- | --- | --- | | B/CA/--- |
| QS-1230AV | C | 1.062 | 1.060 | --- | --- | --- | | V/CA/--- |
| QS-1233A | C | 1.062 | 0.937 | 1C | 1.141 | 0.312 | | B/CA/CE |

NOTE: PLT - PLATE SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|-------------|------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-1250AN | C | 1.062 | 0.750 | 1C | 1.312 | 0.312 | | N/CA/CE |
| QS-1252AV | C | 1.062 | 0.725 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-1260AN | C | 1.062 | 0.812 | 50 | 1.188 | PLT | | N/CA/SS |
| QS-1260AV | C | 1.062 | 0.812 | 50 | 1.188 | PLT | | V/CA/SS |
| QS-1505 | C | 1.062 | 0.875 | 1C | 1.312 | 0.250 | | B/CA/CE |
| QS-1618 | C | 1.062 | 0.937 | 1C | 1.250 | 0.288 | * | B/CA/CE |
| QS-1625 | C | 1.062 | 0.609 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-1625E | C | 1.062 | 0.609 | 3SS | 1.250 | 0.406 | | E/CA/SS |
| QS-1625-HC | C | 1.062 | 0.609 | 3SS | 1.250 | 0.406 | HC | B/CA/SS |
| QS-1626 | C | 1.062 | 0.609 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-1626-HC | C | 1.062 | 0.609 | 3SS | 1.250 | 0.406 | HC | B/CA/SS |
| QS-1626V | C | 1.062 | 0.609 | 3SS | 1.250 | 0.406 | | V/CA/SS |
| QS-1810A | C | 1.062 | 0.973 | 50 | 1.125 | PLT | | B/CA/PLT |
| QS-2135AN | C | 1.062 | 0.812 | 54B | --- | PLT | | N/CA/PLT |
| QS-2149 | C | 1.062 | 0.937 | 3SS | 1.250 | 0.406 | * | B/CA/SS |
| QS-2160 | C | 1.062 | 0.718 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-2160V-HC | C | 1.062 | 0.718 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-2175AN | C | 1.062 | 0.937 | 54 | --- | PLT | | N/CA/PLT |
| QS-2206 | C | 1.062 | 0.812 | 3SS | 1.250 | 0.406 | ++ | E/CA/SS |
| QS-2214 | C | 1.062 | 0.875 | 1C | 1.187 | 0.296 | | E/CA/CE |
| QS-2390AN | C | 1.062 | 0.812 | 54 | --- | PLT | | N/CA/PLT |
| QS-2743-HC | C | 1.062 | 0.875 | 3 | 1.250 | 0.406 | HC | B/CA/SC |
| QS-2750-HC | C | 1.046 | 0.808 | 1C | 1.187 | 0.343 | HC | B/CA/CE |
| QS-3092 | C | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | 316SS | V/SC/SC |
| QS-3121V-HC | C | 1.093 | 0.718 | 1SS | 1.250 | 0.406 | HC | V/CA/SS |
| QS-3133N | C | 1.062 | 0.619 | 3SS | 1.250 | 0.406 | | N/CA/SS |
| QS-3147E HC | C | 1.062 | 0.875 | 3SS | 1.250 | 0.406 | HC | B/CA/SS |
| QS-3201 CASC | C | 1.046 | .859 / .734 | 1SC | 1.187 | 0.296 | 316SS | E/CA/SC |
| QS-3230AN | C | 1.062 | 0.780 | 51 | --- | PLT | | N/CA/PLT |
| QS-3265 SCSC | C | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | | E/SC/SC |
| QS-3525E HC | C | 1.062 | 0.750 | --- | --- | --- | HC | E/CA/--- |
| QS-3550V SCSC | C | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-3613 | C | 1.046 | 0.859 | 1SC | 1.187 | 0.296 | | V/SC/SC |
| QS-3707 | C | 1.046 | 0.859 | 1SC | 1.187 | 0.296 | 316SS | E/SC/SC |
| QS-3723 HC | C | 1.062 | 0.875 | 3C | 1.437 | 0.312 | HC | E/CA/CE |
| QS-3747 | C | 1.062 | 0.875 | 1SC | 1.187 | 0.343 | | B/CA/SC |
| QS-3791 | C | 1.062 | 0.875 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-3906 | C | 1.062 | 0.750 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-3910A | C | 1.062 | 0.812 | 51 | 0.995 | PLT | | B/CA/PLT |
| QS-3914 | C | 1.062 | 0.875 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-3915 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |

NOTE: HC - HARD CARBON
 PLT - PLATE SEAT
 * - TAPERED SPRING
 ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|-----------|---------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-3981 | C | 1.062 | 0.875 | 3C | 1.437 | 0.312 | HC | E/CA/SS |
| QS-4031V | C | 1.046 | 0.859 | --- | --- | --- | 316SS | V/CA/--- |
| QS-4156AN | C | 1.062 | 1.050 | 51 | --- | PLT | | N/CA/PLT |
| QS-4212AN | C-S | 1.062 | 0.770 | 51 | --- | PLT | | N/CA/PLT |
| QS-4215AN | C | 1.062 | 1.050 | 52 | --- | PLT | | N/CA/PLT |
| QS-4222 | C | 1.046 | .859/.734 | 1SC | 1.187 | 0.296 | 316SS | E/CA/SC |
| QS-4226 | C | 1.046 | 0.859 | 1SC | 1.187 | 0.296 | 316SS | E/CA/SC |
| QS-4272 | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-4272V | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | 316SS | V/CA/CE |
| QS-4305A | C | 1.062 | 0.700 | 1C | 1.250 | 0.250 | | B/CA/CE |
| QS-4310V SCSC | C | 1.046 | 0.859 | 25SC | 1.062 | 0.312 | | V/SC/SC |
| QS-4313V | C | 1.062 | 0.718 | 3 Special | 1.500 | 0.406 | | V/CA/SS |
| QS-4320 | C | 1.062 | 0.875 | 3C | 1.250 | 0.250 | | E/CA/CE |
| QS-4346V | C | 1.062 | 0.718 | 3C | 1.187 | 0.281 | 316SS | V/CA/CE |
| QS-4356 HC | C | 1.093 | 0.718 | 1SS | 1.250 | 0.406 | HC | E/CA/SS |
| QS-4358 | C | 1.062 | 0.875 | 3SC | 1.250 | 0.406 | | E/CA/SC |
| QS-4402V | C | 1.062 | 0.812 | 3TC | 1.250 | 0.406 | | V/CA/TC |
| QS-4442V | C | 1.062 | 0.875 | 3SS | 1.250 | 0.312 | | V/CA/SS |
| QS-4458V | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-4460AN | C | 1.062 | 0.937 | 1C | 1.250 | 0.406 | | N/CA/CE |
| QS-4495 | C | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | | B/SC/SC |
| QS-4535AN | C | 1.062 | 0.770 | 1C | 1.150 | 0.312 | | N/CA/CE |
| QS-4603V | C | 1.062 | 0.750 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-4670A | C | 1.062 | 0.690 | 1C | 1.188 | 0.219 | | B/CA/CE |
| QS-5160A | C | 1.062 | 0.875 | 1SS | 1.437 | 0.250 | | B/CA/SS |
| QS-5235A | C | 1.062 | 0.720 | 1C | 1.250 | 0.343 | | B/CA/CE |
| QS-5235AV | C | 1.062 | 0.720 | 1C | 1.250 | 0.343 | | V/CA/CE |
| QS-5590A | C | 1.062 | 0.750 | SP-SS | SP | SP | | B/CA/SS |
| QS-6216V TCTC | C | 1.062 | 0.875 | 1TC | 1.250 | 0.406 | | V/TC/TC |
| QS-6234 | C | 1.062 | 0.609 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-6340A | C | 1.062 | 0.437 | --- | --- | --- | | |
| QS-7524 HC | C | 1.062 | 0.718 | 1C | 1.250 | 0.406 | HC | B/CA/CE |
| QS-7524V SCSC | C | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-7547V SCSC | C | 1.062 | 0.875 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-7635V | C | 1.062 | 0.875 | 3SC | 1.062 | 0.406 | | V/CA/SS |
| QS-7689V | C | 1.093 | 0.718 | 1SS | 1.250 | 0.406 | | E/CA/SS |
| QS-7840AN | C | 1.062 | 0.875 | 1B | 1.000 | 0.437 | | N/CA/BR |
| QS-7872V | C | 1.062 | 0.875 | 3SS | 1.437 | 0.312 | | V/CA/SS |
| QS-8500AN | C | 1.062 | 1.000 | 1C | 1.250 | 0.406 | | N/CA/CE |
| QS-9001AN | C | 1.062 | 0.875 | 1SS | 1.187 | 0.343 | | N/CA/SS |
| QS-9075A | C | 1.062 | 1.000 | --- | --- | --- | | B/CA/--- |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|-------|-------|------------|------|---------|--------|-------|--------------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-9220A | C | 1.062 | 0.770 | 1SS | 1.141 | 0.312 | | B/CA/SS |
| QS-9661E-CA/SC | C | 25 | --- | --- | 1.060 | 10K171 | | E/CA/SC |
| QS-9622E-SC/SC | C | 25 | --- | --- | 1.060 | 10K175 | | E/SC/SC |
| QS-9660V-CA/SC | C | 25 | --- | --- | 1.060 | 10K169 | | V/CA/SC |
| QS-9662V-SC/SC | C | 25 | --- | --- | 1.060 | 10K173 | | V/SC/SC |
| QS-0606XE | C | 1.062 | 0.750 | 3SS | 1.187 | 0.343 | | E/CA/SS |
| QS-0611XP | C | 1.062 | 0.875 | 1C | 1.250 | 0.406 | | E/CA/CE |
| QS-0688XV | C | 1.062 | 0.875 | 3SS | 1.250 | 0.312 | | V/CA/SS |
| QS-06145X | C | 1.062 | 0.687 | --- | --- | --- | | B/CA/--- |
| QS-06164XN | C | 1.062 | 0.765 | --- | --- | --- | | N/CA/--- |
| QS-061674X | C | 1.062 | 0.875 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-15-52 | C | 1.062 | 0.812 | 1C | 1.175 | 0.375 | | B/CA/CE |
| QSM-2974V | C-DBL | 1.062 | 1.187 | G60 | 1.181 | --- | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-102 | D | 1.312 | 0.875 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-102V | D | 1.312 | 0.875 | 3SS | 1.250 | 0.406 | | V/CA/SS |
| QS-109 | D | 1.312 | 0.875 | --- | --- | --- | | B/CA/--- |
| QS-110 | D | 1.062 | 0.875 | 5SS | 1.125 | 0.500 | | B/CA/SS |
| QS-226 | D | 1.312 | 0.875 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-263 | D | 1.312 | 0.875 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-263V | D | 1.312 | 0.875 | 1SS | 1.187 | 0.343 | | V/CA/SS |
| QS-508 | D | 1.312 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-508-E | D | 1.312 | 0.875 | 1C | 1.250 | 0.406 | | E/CA/CE |
| QS-508V | D | 1.312 | 0.875 | 3C | 1.250 | 0.406 | | V/CA/CE |
| QS-508V-HC | D | 1.312 | 0.875 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-531 | D | 1.312 | 0.875 | 1C | 1.187 | 0.288 | | B/CA/CE |
| QS-734 | D | 1.312 | 0.875 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-735 | D | 1.312 | 0.875 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-735-E-HC | D | 1.312 | 0.875 | 3SC | 1.250 | 0.406 | HC | E/CA/SC |
| QS-736 | D | 1.312 | 0.875 | 3C | 1.187 | 0.288 | | B/CA/CE |
| QS-737 | D | 1.312 | 0.875 | 3C | 1.141 | 0.343 | | B/CA/CE |
| QS-922 | D | 1.312 | 0.875 | 1SS | 1.250 | 0.312 | | B/CA/SS |
| QS-1157 | D | 1.312 | 0.875 | 2SS | 1.250 | 0.343 | | B/CA/SS |
| QS-2000 | D | 1.312 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-2000V-HC | D | 1.312 | 0.875 | 1C | 1.250 | 0.406 | HC | V/CA/CE |
| QS-2001 | D | 1.312 | 0.875 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-2002 | D | 1.312 | 0.875 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-2003 | D | 1.312 | 0.875 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-2004 | D | 1.312 | 0.875 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-2005 | D | 1.312 | 0.875 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-2006 | D | 1.312 | 0.875 | 3C | 1.187 | 0.343 | | B/CA/CE |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|----------|-------|-------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-2007 | D | 1.312 | 0.875 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-2119 | D | 1.312 | 0.875 | 1C | 1.187 | 0.288 | | B/CA/CE |
| QS-2701V | D | 1.375 | 0.875 | 3TC | 1.250 | 0.406 | 316SS | V/CA/TC |
| QS-3677 | D | 1.375 | 0.875 | 3SC | 1.250 | 0.406 | | B/CA/SC |
| QS-3132N | D | 1.312 | 0.875 | 3SC | 1.250 | 0.406 | | N/CA/SC |
| QS-4210AN | D | 1.312 | 0.875 | 5I | --- | PLT | | N/CA/PLT |
| QS-4245A | D | 1.312 | 0.925 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-4245AV | D | 1.312 | 0.925 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-4375V CATC | D | 1.375 | 0.875 | 3TC | 1.250 | 0.406 | | V/CA/TC |
| QS-5150A | D | 1.312 | 0.875 | 1C | 1.187 | 0.338 | | B/CA/CE |
| QS-5590AN | D-B | 1.312 | 0.775 | 8B | THREADED | 0.203 | | N/CA/BR |
| | | | | | | | | |
| | | | | | | | | |
| QS-274 | E | 1.093 | 1.312 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-485 | E | 1.093 | 1.312 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-486 | E | 1.093 | 1.312 | 1SS | 1.187 | 0.288 | | B/CA/SS |
| QS-487 | E | 1.093 | 1.312 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-738 | E | 1.093 | 1.312 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-739 | E | 1.093 | 1.312 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-740 | E | 1.093 | 1.312 | 3C | 1.187 | 0.288 | | B/CA/CE |
| QS-748 | E | 1.093 | 1.312 | 3C | 1.187 | 0.343 | | B/CA/CE |
| QS-1158 | E | 1.093 | 1.312 | 2SS | 1.250 | 0.343 | | B/CA/SS |
| QS-1210AN | E | 1.093 | 1.110 | 1SS | 1.250 | 0.406 | | N/CA/SS |
| QS-1210AV | E | 1.093 | 1.110 | 1SS | 1.250 | 0.406 | | V/CA/SS |
| QS-1158 | E | 1.093 | 1.312 | 2SS | 1.250 | 0.343 | | B/CA/SS |
| QS-1689 | E | 1.093 | 1.312 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-2015 | E | 1.093 | 1.312 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-2016 | E | 1.093 | 1.312 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-2017 | E | 1.093 | 1.312 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-2018 | E | 1.093 | 1.312 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-2019 | E | 1.093 | 1.312 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| QS-2020 | E | 1.093 | 1.312 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-2021 | E | 1.093 | 1.312 | 1SS | 1.187 | 0.343 | | B/CA/SS |
| QS-2022 | E | 1.093 | 1.312 | 3C | 1.187 | 0.343 | | B/CA/CE |
| QS-2023 | E | 1.093 | 1.312 | 3SS | 1.187 | 0.288 | | B/CA/CE |
| QS-3148 | E | 1.093 | 1.312 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-8000AN | E | 1.093 | 1.312 | 1C | 1.150 | 0.312 | | N/CA/CE |
| QS-9710A | E | 1.093 | 1.312 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-06163X | E | 1.093 | 1.312 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-626V | G | 1.062 | 0.875 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-1900 | G | 1.024 | 0.718 | 1SC | 1.187 | 0.343 | 316SS | V/SC/SC |
| QS-1901 | G | 1.024 | 0.718 | 1SC | 1.250 | 0.406 | 316SS | V/SC/SC |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|---------|------------|------|-------------|-------|-------------|---------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-1906 | G | 1.024 | 0.718 | --- | --- | --- | #/316SS | V/CA/--- |
| QS-1907 | G | 1.024 | 0.718 | 1SC | 1.381 | 0.406 | 316SS | V/SC/SC |
| QS-1912 | G | 1.024 | 0.718 | 1SC | 1.187 | 0.296 | 316SS | V/SC/SC |
| QS-2715 | G | 1.024 | 0.718 | 1SC | 1.250 | 0.406 | | E/SC/SC |
| QS-2808 | G | 1.024 | 0.718 | 1SC | 1.381 | 0.406 | 316SS | E/SC/SC |
| QS-3005 | G | 1.024 | 0.718 | 25SC | 1.250 | 0.406 | 316SS | V/SC/SC |
| QS-3006 | G | 1.024 | 0.718 | 1C | 1.250 | 0.406 | 316SS | B/CA/CE |
| QS-3199 | G | 1.024 | 0.758 | 1SC | 1.250 | 0.406 | 316SS | B/SC/SC |
| QS-3200 | G | 1.024 | 0.718 | 1C | 0.250 | 0.406 | 316SS | V/CA/CE |
| QS-3204 | G | 1.024 | 0.875 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-3586 | G | 1.024 | 0.718 | 1C | 1.250 | 0.406 | 316SS | E/CA/CE |
| QS-3866 | G | 1.024 | 0.718 | 1C | 1.187 | 0.343 | | V/CA/CE |
| QS-3867 | G | 1.024 | 0.718 | 1C | 1.250 | 0.406 | | V/CA/CE |
| QS-3869 | G | 1.024 | 0.718 | 31C | Special | 0.406 | # | V/CA/CE |
| QS-3890 | G | 1.024 | 0.718 | 1C | 1.381 | 0.406 | | V/CA/CE |
| QS-3910 | G | 1.024 | 0.718 | 1SC | 1.250 | 0.406 | | B/SC/SC |
| QS-3960 | G | 1.024 | 0.718 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-4059 | G | 1.024 | 0.718 | 3SC | 1.250 | 0.406 | | V/CA/SC |
| QS-4155 | G | 1.024 | 0.718 | 1SC | 1.250 | 0.406 | | V/SC/SC |
| QS-4165 | G | 1.024 | 0.718 | 1SC | 1.187 | 0.343 | 316SS | V/SC/SC |
| QS-4220 | G | 1.024 | 0.875 | 1C | 1.250 | 0.496 | | V/CA/CE |
| QS-4231 | G | Special | 0.718 | 1C | 1.375/1.381 | 0.406 | | V/CA/CE |
| QS-4267 | G | 1.024 | 0.718 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-4275 | G | 1.024 | 0.718 | 31C | Special | --- | # | B/CA/CE |
| QS-4280 | G | 1.024 | 0.718 | 1C | 1.381 | 0.406 | | V/CA/CE |
| QS-4390 | G | 1.024 | 0.718 | 1SC | 1.250 | 0.410 | 316SS | V/SC/SC |
| QS-4577 | G | 1.024 | 0.718 | 1C | 1.381 | 0.406 | | E/CA/CE |
| QS-6267 | G | 1.024 | 0.180 | 1SC | 1.187 | 0.296 | 316SS | E/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-678 | K | 1.062 | 1.187 | --- | --- | --- | | B/CA/--- |
| QS-863N | K | 1.062 | 1.187 | --- | --- | --- | | N/CA/--- |
| QS-3885V | K | 1.047 | 1.030 | 1C | 1.250 | 0.175 | WAVE SPRING | V/CA/CE |
| QS-8630A | K | 1.062 | 1.287 | --- | --- | --- | | B/CA/--- |
| QS-8631A | K | 1.062 | 1.287 | 51B | --- | PLT | | N/CA/PLT |
| QS-06166X | K | 1.062 | 1.187 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-06167X | K | 1.062 | 1.187 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-06168X | K | 1.062 | 1.187 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-06169X | K | 1.062 | 1.187 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-1318AN | L-1 | 1.000 | 1.625 | --- | --- | --- | | N/CA/--- |
| QS-5965AV | L-1 | 1.000 | 0.812 | --- | --- | --- | | V/CA/--- |

NOTE: # - MOUNTS IN PLASTIC
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|----------|-------|------------|--------------|---------|---------|----------|---------------------|
| .625 (5/8") (continued) | | | | | | | | |
| QS-1150AN | L-2 | 1.000 | 1.250 | --- | --- | --- | | N/CA/--- |
| QS-8300A | L-2 | 1.000 | 1.500 | --- | --- | --- | | B/CA/--- |
| QS-1385AN | L-2 | 1.125 | 1.750 | --- | --- | --- | | N/BR/--- |
| QS-MG12-3952 | MG12 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| QS-4237V | Q | 1.312 | 0.625 | 8C | 1.062 | 0.218 | | V/CA/CE |
| QS-0604X | Q | 1.500 | 0.556 | 1C | 1.187 | 0.343 | | B/CA/CE |
| QS-0606X | Q | 1.500 | 0.556 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-4420A | R | 1.312 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-795N | S | 1.312 | 1.395 | 8SS | 1.187 | 0.125 | | N/CA/SS |
| QS-3920AN | S | 1.263 | 1.310 | 8SS | M.O.S. | 0.125 | | N/CA/SS |
| QS-3960A | S | 1.200 | 1.180 | 8SS | M.O.S. | 0.125 | | B/CA/SS |
| QS-4065 | Special | 1.440 | 0.760 | Special | 1.110 | Special | Unitized | B/CA/CE |
| QS-5625E | Special | 1.251 | 0.718 | 1C | 1.250 | 0.406 | | E/CA/CE |
| | | | | | | | | |
| QS-1155AN | T | 1.093 | 1.400 | --- | --- | --- | | N/CA/--- |
| QS-06165X | T | 1.093 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-06170X | T | 1.093 | 1.625 | 1C | 1.250 | 0.406 | | B/CA/CE |
| QS-06171X | T | 1.093 | 1.625 | 1SS | 1.250 | 0.406 | | B/CA/SS |
| QS-06172X | T | 1.093 | 1.625 | 3C | 1.250 | 0.406 | | B/CA/CE |
| QS-06173X | T | 1.093 | 1.625 | 3SS | 1.250 | 0.406 | | B/CA/SS |
| | | | | | | | | |
| QS-9155 | T9 | 1.187 | 0.750 | 2SC | 1.250 | 0.406 | 316SS | SC/SC |
| QS-9309 | T9 | 1.187 | 0.750 | 3SC | 1.312 | 0.406 | 316SS | GF/SC/SC |
| QS-9321 | T9 | 1.187 | 0.750 | 2SS | 1.250 | 0.531 | 316SS | CA/SS |
| QS-9722 | T9 | 1.187 | 0.700 | 27SC | 1.437 | 0.593 | 316SS | SC/SC |
| QS-9714 | T9 Dbl. | 1.187 | 1.150 | 3C | 1.250 | 0.406 | 316SS | CA/CE |
| QS-9354 | T9 | 1.437 | 0.727 | 3 Special SS | 1.312 | 0.375 | 316SS | PF/BR/SS/ KALREZ |
| QS-7250 | T9 | 1.441 | 0.622 | Special BR | 1.203 | 0.484 | 316SS | BR/CE |
| QS-3962 | T9 Spec. | 1.437 | 0.622 | 2C | 1.250 | 3.900 | 316SS | CA/CE |
| QS-9322-STE. | T9T | 1.082 | 0.937 | Special SS | 1.490 | 0.625 | 316SS | CA/STE |
| | | | | | | | | |
| QS-8137V | T8-1 | 1.188 | 0.750 | 1C | 1.250 | 0.406 | 316SS | V/CA/CE |
| | | | | | | | | |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|----------------------------|------|-------|----------------------|------|-----------------|-------|-------|---------------|
| .656 SHAFT | | | | | | | | |
| QS-1192AV | C | 1.062 | 0.875 | 2SS | 1.575 | 0.406 | | V/CA/SS |
| QS-1193AN | C | 1.062 | 0.875 | 54 | --- | PLT | | N/CA/SS |
| QS-2220AN | C | 1.062 | 1.000 | 54 | --- | PLT | | N/CA/SS |
| QS-3200AN | C | 1.062 | 1.200 | 52 | --- | PLT | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-4227AN | G | 1.250 | 1.100 | 51 | --- | PLT | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| .682 SHAFT | | | | | | | | |
| QS-1290AN | C | 1.125 | 0.950 | 1SS | 1.312 | 0.344 | | N/CA/SS |
| QS-2287AN | C | 1.125 | 0.750 | 54 | --- | PLT | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| .687 (11/16") SHAFT | | | | | | | | |
| QS-1295AN | C | 1.125 | 1.000 | 51 | 1.562 | PLT | | N/CA/SS |
| QS-2150A | C | 1.125 | 1.000 | --- | --- | --- | | B/CA/--- |
| QS-2360AN | C | 1.125 | 1.000 | 54 | 1.375 | PLT | | N/CA/SS |
| QS-2370AN | C | 1.125 | 0.812 | 54 | 1.375 | PLT | | N/CA/SS |
| QS-2372AN | C | 1.125 | 0.975 | 54 | 1.375 | PLT | | N/CA/SS |
| QS-3195AN | C | 1.125 | 0.850 | 54 | 1.375 | PLT | | N/CA/SS |
| QS-3280AN | C | 1.125 | 0.875 | 56 | SEAT IN NUT | 1.312 | | N/CA/SS |
| QS-3373AN | C | 1.125 | 1.025 | 52 | 1.560 | PLT | | N/CA/SS |
| QS-7910AN | C | 1.125 | 1.700 | 51 | --- | PLT | | N/CA/SS |
| QS-9440AN | C | 1.125 | PRESSEMBLED IN GLAND | 7SS | MOUNTS ON SHAFT | 0.375 | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-1305A | K | 1.125 | 1.500 | 3SS | 1.375 | 0.375 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| .750 (3/4") SHAFT | | | | | | | | |
| QS-101 | A | 1.343 | 0.812 | 1C | 1.437 | 0.406 | | B/CA/CE |
| QS-101V | A | 1.343 | 0.718 | 1C | 1.437 | 0.406 | | V/CA/CE |
| QS-199 | A | 1.343 | 0.718 | 8SS | M.O.S. | 0.125 | | B/CA/SS |
| QS-201 | A | 1.343 | 0.718 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-201V | A | 1.343 | 0.718 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-231 | A | 1.343 | 0.718 | 3SS | 1.312 | 0.406 | | B/CA/SS |
| QS-301 | A | 1.343 | 0.978 | 1C | 1.375 | 0.281 | | B/CA/CE |
| QS-315 | A | 1.343 | 0.718 | 1C | 1.312 | 0.250 | | B/CA/CE |
| QS-412 | A | 1.343 | 0.718 | 3SS | 1.375 | 0.375 | | B/CA/SS |
| QS-415 | A | 1.343 | 0.718 | 15CS | 1.375 | 0.375 | | B/CA/CESS |
| QS-419 | A | 1.343 | 0.718 | 15CS | 1.375 | 0.375 | | B/CA/CESS |
| QS-509 | A | 1.343 | 0.843 | 1C | 1.375 | 0.406 | | B/CA/CE |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|-----------|------------|-------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-512 | A | 1.343 | 0.718 | 3SS | 1.375 | 0.375 | | B/CA/SS |
| QS-596 | A | 1.343 | 0.812 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-689 | A | 1.343 | 0.718 | 3SS | 1.250 | 0.343 | | B/CA/SS |
| QS-699 | A | 1.343 | 0.718 | 1C | 1.437 | 0.406 | | B/CA/CE |
| QS-760 | A | 1.343 | 0.812 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-760SS | A | 1.343 | 0.615 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-762 | A | 1.343 | 0.812 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-764 | A | 1.343 | 0.812 | 1C | 1.375 | 0.281 | | B/CA/CE |
| QS-851 | A | 1.343 | 0.718 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-851-E | A | 1.343 | 0.718 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-908 | A | 1.343 | 0.658 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-921 | A | 1.343 | 0.718 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-968 | A | 1.343 | 0.718 | 1C | 1.437 | 0.406 | | B/CA/CE |
| QS-973 | A | 1.343 | 0.718 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-974 | A | 1.343 | 0.718 | --- | --- | --- | | B/CA/--- |
| QS-1425A | A | 1.343 | 0.718 | 3SS | 2.250 | 0.312 | | B/CA/SS |
| QS-1521A | A | 1.343 | 0.718 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-1522 | A | 1.343 | 0.718 | --- | --- | --- | | B/CA/--- |
| QS-1525 | A | 1.343 | 0.718 | 1C | 1.500 | 0.250 | | B/CA/CE |
| QS-1542A | A | 1.343 | 0.718 | 1C | 1.344 | 0.406 | | B/CA/CE |
| QS-1908V | A | 1.343 | 0.718 | 1SC | 1.375 | 0.406 | | V/SC/SC |
| QS-2118 | A | 1.343 | 0.718 | 1SS | 1.437 | 0.406 | | B/CA/SS |
| QS-2136 | A | 1.343 | 0.718 | 1C | 1.375/1.75 | 0.406 | | B/CA/CE |
| QS-2744 | A | 1.343 | 0.718 | 3 Special | 1.375 | 0.406 | | B/CA/Special |
| QS-3061 | A | 1.343 | 0.718 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-4489 | A | 1.343 | 0.700 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-4820A | A | 1.343 | 0.718 | 1SS | 1.750 | 0.328 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-369 | B | 1.575 | 0.615 | 3SS | 1.207 | 0.250 | | B/CA/SS |
| QS-388 | B | 1.575 | 0.615 | 1C | M.I.B | 0.360 | | B/CA/CE |
| QS-440 | B | 1.575 | 0.615 | 11C | M.O.S. | 0.437 | | B/CA/CE |
| QS-441 | B | 1.575 | 0.615 | 9SS | M.O.S. | 0.375 | | B/CA/SS |
| QS-601 | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-601V | B | 1.575 | 0.615 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-606 | B | 1.575 | 0.615 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-647 | B | 1.575 | 0.615 | --- | --- | --- | | B/CA/--- |
| QS-765 | B | 1.575 | 0.615 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-766 | B | 1.575 | 0.615 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-902 | B | 1.575 | 0.615 | 9SS | M.O.S. | 0.281 | | B/CA/SS |
| QS-1024 | B | 1.575 | 0.615 | --- | --- | --- | | B/CA/--- |
| QS-1159 | B | 1.575 | 0.615 | 9C | M.O.S. | 0.562 | | B/CA/CE |
| QS-1379A | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-1381A | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-1622 | B | 1.575 | 0.615 | 9C | M.O.S. | 0.312 | | B/CA/CE |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|---------|-------------------|-------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-1622V | B | 1.575 | 0.615 | 9C | --- | 0.312 | | V/CA/CE |
| QS-1904V | B | 1.575 | 0.615 | 1SC | 1.375 | 0.406 | 316SS | V/SC/SC |
| QS-2718 | B | 1.718 | 0.600 | 8C | 1.250 | 0.352 | | B/CA/CE |
| QS-2735V | B | 1.575 | 0.615 | 3C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-2745 | B | 1.575 | 0.615 | 8C | 1.187 | 0.218 | 316SS | B/CA/CE |
| QS-3104V | B | 1.575 | 0.615 | 3SC | 1.375 | 0.406 | 316SS | V/SC/SC |
| QS-3882V | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-3985 | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | 316SS | B/CA/CE |
| QS-3986V | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-4048 | B | 1.575 | 0.615 | 9SC | 1.312 | 0.312 | | B/SC/SC |
| QS-4056 | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-4106V | B | 1.575 | 0.615 | 1C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-4520V | B | 1.575 | 0.615 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-7618 | B | 1.575 | 0.615 | 11C | 1.375 | 0.406 | | B/CA/CE |
| QS-7813YSC | B | 1.575 | 0.615 | 1SC | 1.378 | 0.406 | | B/CA/SC |
| QS-7813YMS | B | 1.575 | 0.615 | SP | --- | --- | | B/SC/--- |
| QS-7813YB4 | B | 1.575 | 0.615 | 1C | 1.378 | 0.406 | | B/CA/CE |
| QS-7813YB7 | B | 1.575 | 0.615 | 1C | 1.378 | 0.406 | | B/CA/CE |
| QS-7815YB8 | B | 1.575 | 0.615 | 1C | 1.378 | 0.406 | | B/CA/CE |
| QS-7815-489 | B | 1.575 | 0.615 | SP | --- | --- | | B/CA/--- |
| QS-7964N | B | 1.575 | 0.615 | Special | 1.312 | 0.312 | | N/CA/SS |
| QS-9175A | B | 1.575 | 0.615 | 10SS | MOUNT ON SHAFT | 0.743 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-112 | C | 1.187 | 0.875 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-112E | C | 1.187 | 0.875 | 1SS | 1.375 | 0.406 | | E/CA/SS |
| QS-112V | C | 1.187 | 0.875 | 3SS | 1.375 | 0.406 | | V/CA/SS |
| QS-112V-HC | C | 1.187 | 0.875 | 1SS | 1.375 | 0.406 | HC | V/CA/SS |
| QS-116 | C | 1.187 | 0.875 | 3SS | 1.312 | 0.375 | | B/CA/SS |
| QS-119 | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | * | B/CA/CE |
| QS-121 | C | 1.187 | 0.875 | 3SS | 1.250 | 0.343 | | B/CA/SS |
| QS-128 | C | 1.187 | 0.843 | 1C | 1.375 | 0.406 | * | B/CA/CE |
| QS-128V | C | 1.187 | 0.843 | 3C | 1.375 | 0.406 | * | V/CA/CE |
| QS-157 | C | 1.187 | 0.875 | --- | --- | --- | | B/CA/--- |
| QS-275 | C | 1.187 | 1.312 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-275-E | C | 1.187 | 1.312 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-275V | C | 1.187 | 1.312 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-358 | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-358E | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-358V | C | 1.187 | 0.875 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-358V-HC | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | HC | V/CA/CE |
| QS-358V-HC | C | 1.187 | 0.875 | 1TC | 1.375 | 0.406 | HC | V/CA/TC |
| QS-358V-SC-SC | C | 1.187 | 0.875 | 1SC | 1.375 | 0.406 | | V/SC/SC |

NOTE: * - TAPERED SPRING
HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-358V-TC-TC | C | 1.187 | 0.875 | 1TC | 1.375 | 0.406 | | V/TC/TC |
| QS-358LS | C | 1.187 | 1.312 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-362 | C | 1.187 | 0.875 | 2SS | 1.375 | 0.406 | | B/CA/SS |
| QS-373 | C | 1.187 | 1.312 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-373V | C | 1.187 | 1.312 | 1SS | 1.375 | 0.406 | | V/CA/SS |
| QS-502 | C | 1.187 | 0.875 | 2B | 1.312 | 0.406 | | B/CA/BR |
| QS-505 | C | 1.187 | 0.875 | 1C | 1.312 | 0.375 | | B/CA/CE |
| QS-564 | C | 1.187 | 1.312 | --- | --- | --- | | B/CA/--- |
| QS-649 | C | 1.187 | 0.875 | 3SS | 1.312 | 0.406 | | B/CA/SS |
| QS-683 | C | 1.187 | 0.875 | 1C | 1.500 | 0.250 | | B/CA/CE |
| QS-767 | C | 1.187 | 0.875 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-767-E | C | 1.187 | 0.875 | 3C | 1.375 | 0.406 | | E/CA/CE |
| QS-768 | C | 1.187 | 0.875 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-771 | C | 1.187 | 1.312 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-773 | C | 1.187 | 1.312 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-785 | C | 1.187 | 0.875 | 14B | 1.125 | 0.375 | | B/CA/BR |
| QS-820 | C | 1.187 | 0.875 | 2B | 1.625 | 0.437 | | B/CA/BR |
| QS-877 | C | 1.187 | 0.715 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-877V | C | 1.187 | 0.718 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-944 | C | 1.187 | 0.718 | 1C | 1.375 | 0.281 | | B/CA/CE |
| QS-944-E | C | 1.187 | 0.718 | 1C | 1.375 | 0.281 | | E/CA/CE |
| QS-944V | C | 1.187 | 0.718 | 1C | 1.375 | 0.281 | | V/CA/CE |
| QS-1092-TCTC | C | 1.187 | 0.718 | 1TC | 1.375 | 0.406 | | V/TC/TC |
| QS-1092V | C | 1.187 | 0.718 | 1SS | 1.375 | 0.406 | | V/CA/SS |
| QS-1093V | C | 1.187 | 0.718 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-1113 | C | 1.187 | 0.718 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-1125 HC | C | 1.187 | 0.718 | 1C | 1.375 | 0.406 | HC | B/CA/CE |
| QS-1125-SCSC | C | 1.187 | 0.718 | 1SC | 1.375 | 0.406 | | B/SC/SC |
| QS-1125-E | C | 1.187 | 0.718 | 1SC | 1.375 | 0.406 | | E/SC/SC |
| QS-1160 | C | 1.187 | 0.875 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-1285A | C | 1.187 | 0.812 | 52 | --- | PLT | | B/CA/PLT |
| QS-1300EA | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-1311A | C | 1.187 | 0.812 | 1SS | 1.375 | 0.375 | | B/CA/SS |
| QS-1316AV | C | 1.187 | 1.000 | 3SS | 1.312 | 0.375 | | V/CA/SS |
| QS-1380A | C | 1.187 | 1.000 | 51 | 2.125 | PLT | | B/CA/PLT |
| QS-1435A | C | 1.187 | 0.875 | 2SS | 1.500 | 0.375 | | B/CA/SS |
| QS-1510 | C | 1.187 | 0.875 | 1C | 1.375 | 0.281 | | B/CA/CE |
| QS-1510A | C | 1.187 | 0.875 | 3SS | 1.375 | 0.312 | | B/CA/SS |
| QS-1510AV | C | 1.187 | 0.875 | 3SS | 1.375 | 0.312 | | V/CA/SS |
| QS-1510V | C | 1.187 | 0.875 | 1C | 1.375 | 0.281 | | V/CA/CE |
| QS-1514 | C | 1.187 | 0.875 | 1C | 1.312 | 0.406 | | B/CA/CE |
| QS-1514V | C | 1.187 | 0.875 | 1C | 1.312 | 0.406 | | V/CA/CE |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-1526A | C | 1.187 | 0.718 | 52 | 2.047 | PLT | | B/CA/SS |
| QS-1754 | C | 1.187 | 0.920 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-2229V-HC | C | 1.187 | 0.875 | 1SS | 1.375 | 0.406 | HC | V/CA/SS |
| QS-2235-SC-TC | C | 2.187 | 0.718 | 3TC | 1.375 | 0.406 | | V/SC/TC |
| QS-2235V | C | 1.187 | 0.718 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-2236 | C | 1.187 | 0.718 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-2746V | C | 1.171 | 0.920 | 1C | 1.375 | 0.406 | * | V/CA/CE |
| QS-2747 | C | 1.187 | 0.718 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-2800 HC | C | 2.187 | 0.875 | 1C | 1.355 | 0.406 | HC | B/CA/CE |
| QS-3068 E | C | 1.187 | 0.718 | 3SC | 1.375 | 0.406 | | E/SC/SC |
| QS-3074V | C | 1.187 | 0.718 | 3SC | 1.375 | 0.406 | | V/SC/SC |
| QS-3110 | C | 1.187 | 0.875 | 1SC | 1.375 | 0.406 | | B/SC/SC |
| QS-3149 | C | 1.187 | 0.843 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-3156V | C | 1.171 | 0.875 | 1SC | 1.375 | 0.406 | | V/SC/SC |
| QS-3162E | C | 1.187 | 0.875 | 1SC | 1.375 | 0.406 | | E/TC/SC |
| QS-3191V | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-3194E | C | 1.187 | 0.718 | 1SC | 1.375 | 0.406 | | E/SC/SC |
| QS-3208V | C | 1.187 | 0.875 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-3313 | C | 1.187 | 0.875 | 3TC | 1.375 | 0.406 | | B/TC/TC |
| QS-3415E | C | 1.187 | 0.875 | 1C | 1.375 | 0.312 | | E/CA/CE |
| QS-3559 | C | 1.187 | 0.875 | 5 | 1.275 | 0.302 | | B/CA/Special |
| QS-3654 | C | 1.187 | 0.718 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-3840 | C | 1.187 | 0.875 | 1C | 1.275 | 0.281 | | B/CA/CE |
| QS-3894E | C | 1.187 | 0.718 | 1SC | 1.375 | 0.406 | | E/CA/SC |
| QS-3916 | C | 1.187 | 0.875 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-3922 | C | 1.187 | 1.187 | 1SC | 1.375 | 0.406 | | B/SC/SC |
| QS-4121N | C | 1.187 | 0.875 | 3SS | 1.375 | 0.406 | | N/CA/SS |
| QS-4229 | C | 1.187 | 0.718 | 3C | 1.375 | 0.406 | | E/CA/CE |
| QS-4229-TC SEAT | C | 1.187 | 0.718 | 3TC | 1.375 | 0.406 | | E/CA/TC |
| QS-4283 | C | 1.187 | 0.718 | 3SS | 1.375 | 0.406 | | E/CA/SS |
| QS-4285V | C | 1.187 | 0.718 | 3SS | 1.375 | 0.406 | | V/CA/SS |
| QS-4323 | C | 1.187 | 0.875 | 3C | 1.187 | 0.406 | | B/CA/CE |
| QS-4330 HC | C | 1.187 | 0.875 | 1SS | 1.375 | 0.406 | HC | B/CA/SS |
| QS-4465V | C | 1.187 | 0.875 | 3C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-4531E-HC | C | 1.171 | 0.875 | 1TC | 1.375 | 0.406 | HC | E/CA/TC |
| QS-4640A | C | 1.187 | 1.000 | 3SS | 1.625 | 0.312 | | B/CA/SS |
| QS-5027 | C | 1.187 | 0.812 | 57 | --- | PLT | | B/CA/PLT |
| QS-5108V-HC | C | 1.187 | 0.656 | 2SS | 1.562 | 0.312 | HC | V/CA/SS |
| QS-5176A | C | 1.187 | 1.000 | 52 | --- | PLT | | B/CA/SS |
| QS-5177A | C | 1.187 | 1.000 | 52 | --- | PLT | | B/CA/SS |
| QS-5728V | C | 1.187 | 0.875 | 3SC | 1.375 | 0.406 | | V/SC/SC |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-6223A | C | 1.187 | 0.600 | 52 | 1.375 | PLT | | B/CA/SS |
| QS-7277 | C | 1.187 | 0.875 | 1C | 1.437 | 0.406 | | B/CA/CE |
| QS-7305V | C | 1.187 | 0.875 | 1SC | 1.375 | 0.406 | 316SS | V/SC/SC |
| QS-7514 | C | 1.187 | 0.718 | 1C | 1.437 | 0.406 | | B/CA/CE |
| QS-7843 HC | C | 1.171 | 0.875 | 1C | 1.375 | 0.406 | HC | V/CA/CE |
| QS-877V | C | 1.187 | 0.718 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-9185A | C | 1.187 | 0.875 | 2B | 1.375 | 0.375 | | B/CA/BR |
| | | | | | | | | |
| | | | | | | | | |
| QS-103 | D | 1.437 | 0.875 | 2SS | 1.375 | 0.406 | | B/CA/SS |
| QS-207 | D | 1.437 | 0.875 | 3SS | 1.312 | 0.375 | | B/CA/SS |
| QS-265 | D | 1.437 | 0.875 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-399 | D | 1.437 | 0.875 | --- | --- | --- | | B/CA/--- |
| QS-437 | D | 1.437 | 0.875 | 1C | 1.275 | 0.290 | | B/CA/CE |
| QS-437-HC | D | 1.437 | 0.875 | 1C | 1.275 | 0.290 | HC | B/CA/CE |
| QS-437V-SC-SC | D | 1.437 | 0.875 | 1SC | 1.275 | 0.290 | | V/SC/SC |
| QS-443 | D | 1.437 | 0.875 | 18SS | 1.207 | 0.290 | | B/CA/SS |
| QS-444 | D | 1.437 | 0.875 | 1SS | 1.437 | 0.406 | | B/CA/SS |
| QS-750 | D | 1.437 | 0.875 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-750-E | D | 1.437 | 0.875 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-750-HC | D | 1.437 | 0.875 | 1CE | 1.375 | 0.406 | HC | B/CA/CE |
| QS-750V | D | 1.437 | 0.875 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-752 | D | 1.437 | 0.875 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-752V | D | 1.437 | 0.875 | 3SS | 1.375 | 0.406 | | V/CA/SS |
| QS-769 | D | 1.437 | 0.875 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-905 | D | 1.437 | 0.875 | 17SS | 1.187 | 0.375 | | B/CA/SS |
| QS-991 | D | 1.437 | 0.875 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-1026 | D | 1.437 | 1.000 | 1SS | 1.437 | 0.406 | | B/CA/SS |
| QS-1130 | D | 1.437 | 0.906 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-1161 | D | 1.437 | 0.875 | 1C | 1.437 | 0.406 | | B/CA/CE |
| QS-1162 | D | 1.437 | 0.875 | 1C | 1.375 | 0.281 | | B/CA/CE |
| QS-1367AV | D | 1.437 | 0.700 | 2SS | 1.562 | 0.406 | | V/CA/SS |
| QS-1395A | D | 1.437 | 0.700 | 2SS | 1.562 | 0.281 | | B/CA/SS |
| QS-2008 | D | 1.437 | 0.875 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-2009 | D | 1.437 | 0.875 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-2010 | D | 1.437 | 0.875 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-2011 | D | 1.437 | 0.875 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-3299 | D | 1.437 | 0.875 | 3C | 1.375 | 0.406 | 316SS | V/CA/CE |
| QS-3855V | D | 1.437 | 0.875 | 3SC | 1.375 | 0.406 | | V/SC/SC |
| QS-5900A | D | 1.437 | 1.000 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-5900AV | D | 1.437 | 1.000 | 1SS | 1.375 | 0.406 | | V/CA/SS |
| QS-6006 | D | 1.437 | 0.845 | 3SC | 1.375 | 0.406 | | B/CA/SC |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|-------------|-------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-7061A | D | 1.437 | 1.000 | --- | --- | --- | | B/CA/--- |
| QS-7087 | D | 1.500 | 0.687 | 3SS | 1.375 | 0.250 | | B/CA/SS |
| QS-7613N | D | 1.500 | 0.687 | 3SS | 1.375 | 0.250 | | N/CA/SS |
| QS-7613V | D | 1.500 | 0.687 | 3SS | 1.375 | 0.250 | | V/CA/SS |
| QS-9925A | D | 1.437 | 1.000 | 2B | 1.375 | 0.406 | | B/CA/BR |
| | | | | | | | | |
| | | | | | | | | |
| QS-275 | E | 1.218 | 1.312 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-373 | E | 1.218 | 1.312 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-564 | E | 1.218 | 1.312 | --- | --- | --- | | B/CA/--- |
| QS-565 | E | 1.218 | 1.312 | 2SS | 1.375 | 0.406 | | B/CA/SS |
| QS-771 | E | 1.218 | 1.312 | 3C | 1.375 | 0.406 | | B/CA/CE |
| QS-773 | E | 1.218 | 1.312 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-1124 | E | 1.218 | 1.000 | 1C | 1.328 | 0.406 | | B/CA/CE |
| QS-1405A | E | 1.218 | 1.312 | 1C | 1.375 | 0.375 | | B/CA/CE |
| QS-1545A | E | 1.218 | 1.312 | 2SS | 1.312 | 0.375 | | B/CA/CE |
| QS-1555A | E | 1.218 | 1.312 | 51 | 1.250 | 0.344 | | B/CA/SS |
| QS-2012 | E | 1.218 | 1.312 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-2013 | E | 1.218 | 1.312 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-2014V | E | 1.218 | 1.312 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-2015 | E | 1.218 | 1.312 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| QS-4093 | E | 1.218 | 1.375 | 3SS | 1.187 | 0.406 | | E/CA/SS |
| QS-4484 | E | 1.218 | 1.250 | 1SS | 1.375 | 0.406 | | E/CA/SS |
| QS-4518 | E | 1.218 | 1.250 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-5138A | E | 1.218 | 1.312 | 52 | --- | PLT | | B/CA/SS |
| QS-7960V | E | 1.218 | 1.375 | 3SS | 1.187 | 0.406 | | V/CA/SS |
| QS-7994V | E | 1.218 | 1.250 | 3SS | 1.187 | 0.406 | | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-1902V | G | 1.260 | 0.718 | 1SC | 1.375 | 0.406 | 316SS | V/SC/SC |
| QS-2733E | G | 1.260 | 0.718 | 1C | 1.375 | 0.406 | | E/CA/CE |
| QS-3056V | G | 1.260 | 0.718 | 1SC | 1.375 | 0.406 | | V/SC/SC |
| QS-3105V | G | 1.260 | 0.718 | 25SC | 1.375 | 0.406 | | V/SC/SC |
| QS-3107V | G | 1.260 | 0.718 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-3740 | G | 1.024 | 0.718 | 1SC | 1.375 | 0.406 | | B/SC/SC |
| QS-3788V | G | 1.260 | 0.875 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-3868V | G | 1.260 | 0.718 | 1C | 1.375 | 0.406 | | V/CA/CE |
| QS-3870V | G | 1.260 | 0.718 | 1C | 1.375/1.750 | 0.406 | | V/CA/CE |
| QS-3937 | G | 1.260 | 0.875 | 1SC | 1.375 | 0.406 | | B/SC/SC |
| QS-4020 | G | 1.260 | 0.812 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-4024 | G | 1.260 | 0.875 | 1SC | 1.275 | 0.281 | | E/SC/SC |
| QS-4265 | G | 1.035 | 0.718 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-4274 | G | 1.260 | 0.718 | 32C | 1.375/1.750 | --- | # | B/CA/CE |

NOTE: # - MOUNTS IN PLASTIC
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------------|-------|------------|------|-------------|-----------|-------|---------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-812 | J | 1.225 | 0.875 | 1C | 1.375 | 0.375 | | B/CA/CE |
| QS-145 | K | 1.187 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-175 | K | 1.187 | 1.156 | 1SS | 1.375/1.500 | .281/.250 | | B/CA/SS |
| QS-1275A | K | 1.187 | 1.156 | 3B | 1.125 | 0.406 | | B/CA/BR |
| QS-1366A | K | 1.187 | 1.156 | 8SS | 1.250 | 0.062 | | B/CA/SS |
| QS-1604 | K | 1.187 | 1.700 | 1C | 1.375 | 0.406 | | B/CA/CE |
| QS-3214V | K | 1.187 | 1.187 | 3C | 1.375 | 0.406 | | V/CA/CE |
| QS-5035A | K | 1.187 | 1.400 | 51 | --- | PLT | | B/CA/SS |
| QS-1270A | L-1 | 1.125 | 1.000 | --- | --- | --- | | B/CA/--- |
| QS-1272AV | L-1 | 1.281 | 0.950 | 3SS | 1.686 | 0.406 | | V/CA/SS |
| QS-1315A | L-1 | 1.125 | 0.950 | --- | --- | --- | | B/CA/--- |
| QS-1495A | L-1 | 1.125 | NO SPRING | --- | --- | --- | | B/CA/--- |
| QS-4314A | L-1 | 1.385 | 0.812 | 52 | --- | PLT | | B/CA/SS |
| QS-6226A | L-1 | 1.250 | 0.550 | 1CA | 1.187 | 0.281 | | B/SS/CA |
| QS-1385A | L-2 | 1.125 | 1.850 | --- | --- | --- | | B/BR/--- |
| QS-1490A | L-2 | 1.125 | 1.300 | --- | --- | --- | | B/CA/--- |
| QS-8305A | L-2 | 1.125 | 1.650 | --- | --- | --- | | B/SS/--- |
| QS-3921AN | L-2 | 1.625 | 1.875 | 8SS | M.O.S. | 0.250 | | N/CA/SS |
| QS-1460A | M | 1.156 | 0.310 | 1C | 1.250 | 0.328 | | B/CA/CE |
| QS-651 | R | 1.437 | 1.625 | 1SS | 1.375 | 0.406 | | B/CA/SS |
| QS-792 | S | 1.625 | 1.953 | 8SS | 1.500 | 0.250 | | N/BR/SS |
| QS-4144V SCSC | T | 1.158 | 1.438 | 3SC | 1.375 | 0.406 | | V/SC/SC |
| QS-3935 | T9 | 1.312 | 0.875 | 2SS | 1.375 | 0.375 | 316SS | CA/SS |
| QS-9007A | T9 | 1.312 | 0.875 | 1C | 1.375 | 0.469 | 316SS | CA/CE |
| QS-9324 | T9 | 1.312 | 0.875 | 2SS | 1.375 | 0.750 | 316SS | CA/SS |
| QS-9339 | T9 | 1.312 | 0.875 | 2C | 1.375 | 0.406 | 316SS | CA/CE |
| QS-9323 | T9 Special | 1.500 | 0.875 | 2SS | 1.375 | 0.343 | 316SS | CA/SS |
| QS-9325 | T9 Special | 1.500 | 0.875 | 2STE | 1.375 | 0.312 | 316SS | CA/STE |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|-----------------|-------|------------|-------------------------|---------|-------|----------|--------------------|
| .750 (3/4") (continued) | | | | | | | | |
| QS-9711 | T9 Special | 1.576 | 0.687 | 2C | 1.375 | 0.406 | 316SS | CA/CE |
| QS-1044A | T9T | 1.218 | 0.875 | 1C | 1.375 | 0.469 | | CA/CE |
| QS-5215A | T9T | 1.218 | 0.750 | 25SC | 1.375 | 0.385 | | CA/SC |
| | | | | | | | | |
| QS-8064 | T8-1 | 1.312 | 0.875 | 3SC | 1.375 | 0.406 | 316SS | B/SC/SC |
| QS-8123 | T8-1 | 1.312 | 0.875 | 5TC | 1.625 | 0.406 | HC/316SS | E/CA/TC |
| QS-8101 | T8-1 Special | 1.312 | 0.875 | 5TC | 1.375 | 0.406 | 316SS | E/CA/TC |
| | | | | | | | | |
| QS-1487AV | Z | 1.502 | 0.720 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| .765 SHAFT | | | | | | | | |
| QS-1406A | C | 1.187 | 0.718 | 1SS | 1.250 | 0.280 | | B/CA/SS |
| | | | | | | | | |
| QS-5309A | D | 1.437 | 0.718 | --- | --- | --- | | B/CA/--- |
| QS-5310A | D | 1.437 | 0.775 | 51 | --- | PLT | | B/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| .780 SHAFT | | | | | | | | |
| QS-1665A | G | 1.187 | 1.000 | 51 | 1.937 | PLT | | B/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| .787 (20MM) SHAFT | | | | | | | | |
| QS-4042 | C | 1.375 | 0.781 | 1C | 1.500 | 0.406 | | B/CA/CE |
| | | | | | | | | |
| QS-135 | D | 1.562 | 0.937 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-139 | D | 1.562 | 1.218 | 17SS | 1.296 | 0.468 | | B/CA/SS |
| QS-614 | D | 1.562 | 0.937 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-614V | D | 1.562 | 0.937 | 3SS | 1.500 | 0.406 | | V/CA/SS |
| QS-3135 | D | 1.562 | 0.937 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| | | | | | | | | |
| QS-4273 | G | | | 1SC | 35MM | 6MM | | B/CA/SC |
| | | | | | | | | |
| QS-1560A | L-1 | 1.187 | NO SPRING | --- | --- | --- | | B/CA/--- |
| QS-2921V | 43-DBL | 1.375 | 1.500 | G60 | --- | --- | | V/SC/SC V/CA/CE |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .812 SHAFT | | | | | | | | |
| QS-1570A | C | 1.281 | 0.812 | 51 | 1.625 | PLT | | B/CA/PLT |
| QS-1575A | C | 1.281 | 1.100 | 2SS | 1.312 | 0.312 | | B/CA/SS |
| QS-4196A | C | 1.281 | 0.937 | 51 | --- | PLT | | B/CA/PLT |
| QS-4355A | C | 1.281 | 1.100 | 54 | --- | PLT | | B/CA/PLT |
| | | | | | | | | |
| .848 SHAFT | | | | | | | | |
| QS-1580A | M | 1.750 | 1.275 | 3SS | 1.218 | 0.453 | | B/CA/SS |
| | | | | | | | | |
| 22MM SHAFT | | | | | | | | |
| QS-50086 | C | 1.281 | 0.937 | 1C | 38MM | 0.406 | | B/CA/CE |
| QS-MG12-3242 | MG12 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| .875 (7/8") SHAFT | | | | | | | | |
| QS-208 | C | 1.281 | 0.937 | --- | --- | --- | | B/CA/--- |
| QS-208V | C | 1.312 | 0.937 | --- | --- | --- | | V/CA/--- |
| QS-208V-HC | C | 1.312 | 0.937 | --- | --- | --- | HC | V/CA/--- |
| QS-294 | C | 1.281 | 0.937 | 2SS | 1.562 | 0.406 | | B/CA/SS |
| QS-309 | C | 1.281 | 0.937 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-309-E | C | 1.312 | 0.937 | 1C | 1.500 | 0.406 | | E/CA/CE |
| QS-309-HC | C | 1.312 | 0.937 | 1C | 1.500 | 0.406 | HC | B/CA/CE |
| QS-309-SC-SC | C | 1.312 | 0.937 | 1SC | 1.500 | 0.406 | | B/SC/SC |
| QS-309-TC-TC | C | 1.312 | 0.937 | 1TC | 1.500 | 0.406 | | B/TC/TC |
| QS-309V | C | 1.312 | 0.937 | 3C | 1.500 | 0.406 | | V/CA/CE |
| QS-309V-HC | C | 1.312 | 0.937 | 1C | 1.500 | 0.406 | HC | V/CA/CE |
| QS-617 | C | 1.281 | 0.937 | 3SS | 1.500 | 0.406 | | B/CA/SS |
| QS-687 | C | 1.281 | 0.937 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-687V | C | 1.312 | 0.937 | 3SS | 1.500 | 0.406 | | V/CA/SS |
| QS-687V-HC | C | 1.312 | 0.937 | 1SS | 1.500 | 0.406 | HC | V/CA/SS |
| QS-774 | C | 1.281 | 0.937 | 3C | 1.500 | 0.406 | | V/CA/CE |
| QS-875LS | C | 1.281 | 1.375 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-1051 | C | 1.281 | 0.937 | 3C | 1.500 | 0.406 | | B/CA/CE |
| QS-1116 | C | 1.281 | 0.812 | 3C | 1.875 | 0.390 | | B/CA/CE |
| QS-1163 | C | 1.281 | 0.937 | 1SS | 1.562 | 0.406 | | B/CA/CE |
| QS-1605AN | C | 1.281 | 0.825 | --- | --- | --- | | N/CA/--- |
| QS-1610AN | C | 1.281 | 0.937 | 2SS | 1.250 | 0.375 | | N/CA/SS |
| QS-1636AV | C | 1.281 | 0.700 | 1C | 1.500 | 0.187 | | N/CA/CE |
| QS-1645AN | C | 1.281 | 0.600 | --- | --- | --- | | V/CA/--- |
| QS-1685AN | C | 1.281 | 1.100 | 51 | 1.875 | PLT | | N/CA/SS |
| QS-1690AN | C | 1.281 | 0.937 | 3SS | 1.312 | 0.421 | | N/CA/SS |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|-----------|---------|-------|-------|---------------|
| .875 (7/8") (continued) | | | | | | | | |
| QS-1710AN | C | 1.281 | 0.650 | 2B | 1.500 | 0.312 | | N/CA/BR |
| QS-1715AN | C | 1.281 | 0.825 | 2SS | 1.500 | 0.406 | | N/CA/SS |
| QS-1720AN | C | 1.281 | 0.937 | 2B | 1.437 | 0.406 | | N/CA/BR |
| QS-1732AN | C | 1.281 | 0.875 | 1TC | 1.500 | 0.406 | | N/CA/TC |
| QS-1794AN | C | 1.281 | 1.100 | 3SS | 1.500 | 0.406 | | N/CA/SS |
| QS-2166 | C | 1.312 | 0.937 | 1C | 1.437 | 0.265 | | B/CA/CE |
| QS-2166-E | C | 1.312 | 0.937 | 1C | 1.437 | 0.265 | | E/CA/CE |
| QS-2166V | C | 1.312 | 0.937 | 1C | 1.437 | 0.265 | | V/CA/CE |
| QS-2167 | C | 1.312 | 0.812 | 1C | 1.437 | 0.265 | | B/CA/CE |
| QS-2167-E-HC | C | 1.312 | 0.812 | 1C | 1.437 | 0.265 | HC | E/CA/CE |
| QS-2167V | C | 1.312 | 0.812 | 1C | 1.437 | 0.265 | | V/CA/CE |
| QS-2168 | C | 1.312 | 0.937 | 3SS | 1.437 | 0.265 | | B/CA/SS |
| QS-2168-E | C | 1.312 | 0.937 | 3SS | 1.437 | 0.265 | | E/CA/SS |
| QS-2168V | C | 1.312 | 0.937 | 3SS | 1.437 | 0.265 | | V/CA/SS |
| QS-2169 | C | 1.312 | 0.812 | 3SS | 1.437 | 0.265 | | B/CA/SS |
| QS-2169V | C | 1.312 | 0.812 | 3SS | 1.437 | 0.265 | | V/CA/SS |
| QS-2224 HC | C | 1.312 | 0.812 | 3SS | 1.437 | 0.265 | HC | E/CA/SS |
| QS-2702V | C | 1.312 | 0.937 | 3C | 1.500 | 0.406 | 316SS | V/CA/CE |
| QS-3176 SCSC | C | 1.312 | 0.937 | 3SC | 1.500 | 0.406 | | B/SC/SC |
| QS-3678 HC | C | 1.312 | 0.718 | 3SC | 1.437 | 0.265 | HC | E/CA/SC |
| QS-3733V | C | 1.406 | 0.937 | 3C | 1.500 | 0.406 | | V/CA/CE |
| QS-3749 | C | 1.312 | 0.812 | 1C | 1.500 | 0.218 | | B/CA/CE |
| QS-3749-SC-SC | C | 1.312 | 0.812 | 1SC | 1.500 | 0.218 | | B/SC/SC |
| QS-3826 HC | C | 1.312 | 0.812 | 1C | 1.437 | 0.265 | HC | E/CA/CE |
| QS-3893V | C | 1.312 | 0.875 | 3 Special | 1.500 | 0.468 | | V/CA/SS |
| QS-3907 | C | 1.312 | 0.875 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-3911 | C | 1.187 | 0.875 | 1SC | 1.500 | 0.406 | | B/SC/SC |
| QS-3941V | C | 1.312 | 0.937 | 1SC | 1.500 | 0.406 | | V/SC/SC |
| QS-3944 | C | 1.312 | 0.718 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-3970 | C | 1.312 | 0.843 | 1TC | 1.500 | 0.406 | | B/CA/TC |
| QS-3996V | C | 1.312 | 0.919 | 1SC | 1.500 | 0.406 | 316SS | V/CA/SC |
| QS-4017V HC | C | 1.312 | 0.718 | 3SS | 1.437 | 0.265 | HC | V/CA/SS |
| QS-4120AN | C | 1.281 | 0.812 | 54 | --- | PLT | | N/CA/PLT |
| QS-4157AN | C | 1.281 | 0.937 | 54 | --- | PLT | | N/CA/PLT |
| QS-4368AN | C | 1.281 | 1.250 | 51 | 1.875 | PLT | | N/CA/PLT |
| QS-4369AN | C | 1.281 | 1.250 | 51 | 1.875 | PLT | | N/CA/PLT |
| QS-4395 | C | 1.312 | 0.937 | 1SC | 1.500 | 0.406 | MONEL | B/CA/SC |
| QS-4513V | C | 1.312 | 0.937 | 3TC | 1.500 | 0.406 | | V/CA/TC |
| QS-5136AN | C | 1.281 | 0.937 | 52 | --- | PLT | | N/CA/PLT |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .875 (7/8") (continued) | | | | | | | | |
| QS-6345AN | C | 1.281 | 0.937 | 54 | --- | PLT | | N/CA/PLT |
| QS-6435AN | C | 1.281 | 0.812 | 55 | --- | PLT | | N/CA/PLT |
| QS-7130 | C | 1.312 | 0.812 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-7496 | C | 1.312 | 0.718 | 1C | 1.500 | 0.218 | | B/CA/CE |
| QS-7990AN | C | 1.281 | 0.937 | 1SS | 1.375 | 0.312 | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-144 | D | 1.562 | 0.937 | 3SS | 1.625 | 0.406 | | B/CA/SS |
| QS-250 | D | 1.562 | 0.937 | 3SS | 1.500 | 0.406 | | B/CA/SS |
| QS-303 | D | 1.562 | 0.937 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-303-HC | D | 1.562 | 0.937 | 1SS | 1.500 | 0.406 | HC | B/CA/SS |
| QS-303V | D | 1.562 | 0.937 | 3SS | 1.500 | 0.406 | | V/CA/SS |
| QS-303V-HC | D | 1.562 | 0.937 | 1SS | 1.500 | 0.406 | HC | V/CA/SS |
| QS-303V-CATC | D | 1.562 | 0.937 | 1TC | 1.500 | 0.406 | | V/CA/TC |
| QS-578 | D | 1.562 | 0.937 | --- | --- | --- | | B/CA/--- |
| QS-602 | D | 1.562 | 0.937 | 1C | 1.562 | 0.406 | | B/CA/CE |
| QS-603 | D | 1.562 | 0.937 | 2SS | 1.562 | 0.406 | | B/CA/SS |
| QS-703 | D | 1.562 | 0.937 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-703-HC | D | 1.562 | 0.937 | 1C | 1.500 | 0.406 | HC | B/CA/CE |
| QS-703V | D | 1.562 | 0.937 | 3C | 1.500 | 0.406 | | V/CA/CE |
| QS-703V-HC | D | 1.562 | 0.937 | 1C | 1.500 | 0.406 | HC | V/CA/CE |
| QS-703V-SC-SC | D | 1.562 | 0.937 | 3SC | 1.500 | 0.406 | 316SS | V/SC/SC |
| QS-775 | D | 1.562 | 0.937 | 3C | 1.500 | 0.406 | | B/CA/CE |
| QS-790 | D | 1.562 | 0.937 | 1C | 1.437 | 0.265 | | B/CA/CE |
| QS-790V | D | 1.562 | 0.937 | 1C | 1.437 | 0.265 | | V/CA/CE |
| QS-1127 | D | 1.562 | 0.937 | 3SS | 1.490 | 0.406 | | B/CA/SS |
| QS-1681 | D | 1.562 | 0.937 | 3SS | 1.437 | 0.265 | | B/CA/SS |
| QS-1681V | D | 1.562 | 0.937 | 3SS | 1.437 | 0.265 | | V/CA/SS |
| QS-1741A | D | 1.562 | 0.937 | 2SS | 1.500 | 0.437 | | B/CA/SS |
| QS-2024 | D | 1.562 | 0.937 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-2025 | D | 1.562 | 0.937 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-2026 | D | 1.562 | 0.937 | 3C | 1.500 | 0.406 | | B/CA/CE |
| QS-2027 | D | 1.562 | 0.937 | 3SS | 1.500 | 0.406 | | B/CA/SS |
| QS-2027V | D | 1.562 | 0.937 | 3SS | 1.500 | 0.406 | | V/CA/SS |
| QS-2724V | D | 1.625 | 0.937 | 3C | 1.500 | 0.406 | | V/CA/CE |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|----------|--------|------------|------|---------|-------|--------|---------------|
| .875 (7/8") (continued) | | | | | | | | |
| QS-2753V | D | 1.625 | 0.937 | 3SC | 1.500 | 0.406 | MONEL | V/SC/SC |
| QS-3116V | D | 1.562 | 0.937 | 3SC | 1.500 | 0.406 | 316SS | V/CA/SC |
| QS-4307 HC | D | 1.562 | 0.937 | 3TC | 1.500 | 0.406 | HC | B/CA/TC |
| QS-4318N | D | 1.562 | 0.937 | 1SC | 1.500 | 0.406 | | N/CA/SC |
| QS-5320A | D | 1.562 | 0.937 | 3SS | 1.437 | 0.250 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-4408-01 | DB(SP) | 1.625 | 1.250 | --- | --- | --- | KALREZ | |
| | BALANCED | ROTARY | | | | | O-RING | |
| | | | | | | | | |
| | | | | | | | | |
| QS-188 | E | 1.343 | 1.375 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-188V | E | 1.406 | 1.375 | 3C | 1.500 | 0.406 | | V/CA/CE |
| QS-188V-HC | E | 1.406 | 1.375 | 1C | 1.500 | 0.406 | HC | V/CA/CE |
| QS-229 | E | 1.343 | 1.375 | 3SS | 1.500 | 0.406 | | B/CA/SS |
| QS-229V | E | 1.406 | 1.375 | 3SS | 1.500 | 0.406 | | V/CA/SS |
| QS-776 | E | 1.343 | 1.375 | 3C | 1.500 | 0.406 | | B/CA/CE |
| QS-935 | E | 1.343 | 1.375 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-935V-HC | E | 1.406 | 1.375 | 3SS | 1.500 | 0.406 | HC | V/CA/SS |
| QS-936 | E | 1.343 | 1.375 | --- | --- | --- | | B/CA/--- |
| QS-997 | E | 1.343 | 1.375 | 3C | 1.625 | 0.406 | | B/CA/CE |
| QS-998 | E | 1.343 | 1.375 | 3SS | 1.625 | 0.406 | | B/CA/SS |
| QS-2028 | E | 1.343 | 1.375 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-2029 | E | 1.343 | 1.375 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-2030 | E | 1.343 | 1.375 | 3C | 1.500 | 0.406 | | B/CA/CE |
| QS-2031 | E | 1.343 | 1.375 | 3SS | 1.500 | 0.406 | | B/CA/SS |
| QS-3260N | E | 1.406 | 1.375 | 3SC | 1.500 | 0.406 | | N/CA/SC |
| QS-3507 | E | 1.406 | 1.375 | 3SC | 1.500 | 0.406 | 316SS | V/TC/SC |
| QS-7859V | E | 1.406 | 1.375 | 1SS | 1.312 | 0.406 | 316SS | V/CA/SS |
| QS-7896V | E | 1.406 | 1.375 | 3TC | 1.500 | 0.406 | MONEL | V/CA/TC |
| QS-7915AN | E | 1.343 | 1.375 | 51 | --- | PLT | | N/CA/--- |
| QS-7992V | E | 1.406 | 1.375 | 3TC | 1.500 | 0.406 | 316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3436A | F | 1.546 | 0.575 | 3SS | 1.625 | 0.375 | | B/CA/SS |
| QS-3450A | F | 1.546 | 0.475 | 53 | --- | PLT | | B/CA/SS |
| QS-3451A | F | 1.500 | 0.450 | 53 | --- | PLT | | B/CA/SS |
| QS-3452A | F | 1.500 | 0.450 | 53 | --- | PLT | | B/CA/SS |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .875 (7/8") (continued) | | | | | | | | |
| QS-3453A | F | 1.546 | 0.475 | 53 | --- | PLT | | B/CA/SS |
| QS-3455A | F | 1.546 | 0.475 | 52 | --- | PLT | | B/CA/SS |
| QS-3456A | F | 1.500 | 0.475 | 53 | --- | PLT | | B/CA/SS |
| | | | | | | | | |
| QS-3009 | G | 1.398 | 0.787 | 1C | 1.500 | 0.406 | 316SS | B/CA/CE |
| QS-3507V | G | 1.398 | 0.787 | 1SC | 1.500 | 0.406 | 316SS | V/TC/SC |
| | | | | | | | | |
| QS-287 | J | 1.350 | 0.875 | 1C | 1.500 | 0.375 | | B/CA/CE |
| | | | | | | | | |
| QS-197 | K | 1.281 | 1.250 | --- | --- | --- | | B/CA/--- |
| QS-878 | K | 1.281 | 1.250 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| QS-892 | K | 1.281 | 1.250 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-892V | K | 1.281 | 1.250 | 3C | 1.500 | 0.406 | | V/CA/CE |
| QS-1099 | K | 1.281 | 1.250 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-4205A | K | 1.281 | 1.250 | 51 | --- | PLT | | B/CA/SS |
| QS-1675A | K | 1.281 | 1.750 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-1705A | L-2 | 1.375 | 1.050 | --- | --- | --- | | B/CA/--- |
| QS-4794A | L-2 | 1.437 | 1.250 | 25CA | 1.525 | 0.514 | | B/SS/CA |
| | | | | | | | | |
| QS-140 | R | 1.562 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-428 | R | 1.562 | 1.625 | 1C | 1.500 | 0.406 | | B/CA/CE |
| QS-685 | R | 1.562 | 1.625 | 1SS | 1.500 | 0.406 | | B/CA/SS |
| | | | | | | | | |
| QS-10003 | SP | SP | 0.937 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-6940A | U | 1.312 | 1.500 | 3SS | 1.375 | 0.406 | | B/CA/SS |
| | | | | | | | | |
| QS-9009 | T9 | 1.437 | 0.937 | 2C | 1.500 | 0.406 | 316SS | V/CA/CE |
| QS-9009-01 | T9 | 1.437 | 0.937 | --- | --- | --- | 316SS | V/CA/--- |
| | | | | | | | | |
| QS-8065 | T8-1 | 1.437 | 0.937 | 3 SC | 1.500 | 0.406 | 316SS | B/SC/SC |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|----------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| .937 (15/16") SHAFT | | | | | | | | |
| QS-1755A | C | 1.687 | 1.000 | 1B | 1.750 | 0.437 | | B/CA/BR |
| QS-1760 | C | 1.687 | 0.843 | 1SS | 1.750 | 0.344 | | B/CA/SS |
| QS-1765A | C | 1.594 | 0.843 | 3SS | 2.050 | 0.469 | | B/CA/SS |
| QS-1770AN | C | 1.687 | 0.843 | 1SS | 1.750 | 0.344 | | N/CA/SS |
| QS-1780A | C | 1.687 | 1.375 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-5110AN | C | 1.687 | 1.000 | 52 | --- | PLT | | N/CA/SS |
| QS-5197AN | C | 1.687 | 1.000 | 51 | --- | PLT | | N/CA/SS |
| QS-9460A | C | 1.687 | 0.750 | 8SS | 1.750 | 0.234 | | B/CA/SS |
| | | | | | | | | |
| QS-9444AN | D | 2.375 | 1.625 | 7SS | M.O.S. | 0.437 | | N/CA/SS |
| | | | | | | | | |
| QS-4506 | E | 1.437 | 1.625 | 3SC | 1.562 | 0.437 | | E/CA/SC |
| | | | | | | | | |
| QS-9470A | F | 1.625 | 0.625 | 8SS | 1.750 | 0.234 | | B/CA/SS |
| | | | | | | | | |
| QS-1775AN | L-1 | 1.594 | 0.600 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-527 | U | 1.437 | 1.656 | 2C | 1.562 | 0.406 | | B/CA/CE |
| QS-560 | U | 1.437 | 1.656 | 2SS | 1.562 | 0.406 | | B/CA/SS |
| QS-560V | U | 1.437 | 1.656 | 3SS | 1.562 | 0.406 | | V/CA/SS |
| QS-823 | U | 1.437 | 1.656 | 3SS | 1.562 | 0.406 | | B/CA/SS |
| QS-824 | U | 1.437 | 1.656 | 3C | 1.562 | 0.406 | | B/CA/CE |
| QS-845 | U | 1.437 | 1.656 | 3SS | 1.562 | 0.406 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| .968 SHAFT | | | | | | | | |
| QS-3275AN | C | 1.687 | 1.000 | 2B | 1.625 | 0.375 | | N/CA/BR |
| QS-6357AN | C | 1.687 | 1.250 | 51 | 2.000 | PLT | | N/CA/SS |
| QS-9700 | C | 1.687 | 1.000 | 1C | 1.625 | 0.375 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| .984 (25MM) SHAFT | | | | | | | | |
| QS-20-52 | C | 1.687 | 1.000 | 1C | 1.750 | 0.406 | | B/CA/CE |
| QS-21-52 | C | 1.687 | 1.000 | 1C | 1.750 | 0.406 | | B/CA/CE |
| QS-1785AN | C | 1.687 | 0.843 | --- | --- | --- | | N/CA/--- |
| QS-1790AN | C | 1.687 | 0.843 | 3SS | 1.500 | 0.375 | | N/CA/SS |
| QS-3112V | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | | V/CA/CE |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|--------------------------------|--------|-------|------------|------|---------|-------|-------|--------------------|
| .984 (25MM) (continued) | | | | | | | | |
| QS-4591V | C | 1.687 | 1.000 | 3SC | 1.750 | 0.406 | | V/CA/SC |
| QS-5723 | C | 1.508 | 1.181 | 1SC | 1.575 | 0.394 | 316SS | E/CA/SC |
| QS-5729V | C | 1.508 | 1.181 | 2C | 1.575 | 0.394 | | V/CA/CE |
| QS-7815YB1 | C | 1.687 | ---- | SP | --- | --- | | |
| QSM-2975V | C-DBL | 1.508 | 1.250 | G60 | 44MM | --- | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| QS-3167V HC | D | 1.812 | 1.000 | 1TC | 1.625 | 0.437 | HC | V/CA/TC |
| QS-3728V | D | 1.812 | 1.000 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-3900 HC | D | 1.750 | 1.000 | 1C | 1.625 | 0.437 | HC | B/CA/SS |
| QS-4517 | D | 1.812 | 1.000 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-7918V HC | D | 1.812 | 1.000 | 1SS | 1.625 | 0.437 | HC | V/CA/SS |
| QS-7991 | D | 1.812 | 1.000 | 2SS | 1.625 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| QS-1909 | G | 1.535 | 0.787 | 1SC | 1.675 | 0.437 | 316SS | V/SC/SC |
| QS-2736 | G | 1.535 | 0.787 | 1SC | 1.575 | 0.236 | 316SS | B/SC/SC |
| | | | | | | | | |
| QS-25SCSC | K | 1.687 | 1.250 | 2SC | 44MM | 0.406 | | B/SC/SC |
| QS-2922V | 43-DBL | 1.687 | 1.250 | G60 | --- | --- | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| QS-2900AN | L-1 | 1.688 | 1.375 | 3B | 1.625 | 0.500 | | N/CA/BR |
| QS-1425U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1425L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| 1.000 (1") SHAFT | | | | | | | | |
| QS-360 | A | 1.687 | 0.812 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-360V | A | 1.687 | 0.812 | 3C | 1.625 | 0.437 | * | V/CA/CE |
| QS-360V-HC | A | 1.687 | 0.812 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-370 | A | 1.687 | 0.812 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-405 | A | 1.687 | 0.812 | 15C | 1.625 | 0.625 | | B/CA/CE |
| QS-777 | A | 1.687 | 0.812 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-778 | A | 1.687 | 0.812 | 3SS | 1.625 | 0.437 | * | B/CA/SS |
| QS-975 | A | 1.687 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-1014 | A | 1.687 | 0.812 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1086 | A | 1.687 | 0.812 | 3C | 2.000 | 0.406 | | B/CA/CE |
| QS-1115 | A | 1.687 | 0.812 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1164 | A | 1.687 | 0.812 | 1SS | 1.625 | 0.437 | | B/CA/SS |

NOTE: HC - HARD CARBON
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|-------|----------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-5235 | A | 1.687 | 0.812 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-5630A | A | 1.687 | 0.812 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-5630AV | A | 1.687 | 0.812 | 3SS | 1.625 | 0.437 | | V/CA/SS |
| | | | | | | | | |
| QS-1619 | B | 1.625 | 0.874 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1806A | B | 1.875 | 0.812 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-19180A | B | 1.875 | 1.000 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-235 | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-235-E | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | | E/CA/CE |
| QS-235-E-HC | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | HC | E/CA/SC |
| QS-235-E-CATC | C | 1.687 | 1.000 | 3TC | 1.625 | 0.437 | | E/CA/TC |
| QS-235-HC | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | HC/316SS | B/CA/CE |
| QS-235-CATC | C | 1.687 | 1.000 | 1TC | 1.625 | 0.437 | | B/CA/TC |
| QS-235-SC-SC | C | 1.687 | 1.000 | 1SC | 1.625 | 0.437 | | B/SC/SC |
| QS-235V | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-235V-E-HC-TC | C | 1.687 | 1.000 | 1TC | 1.625 | 0.437 | HC | E/CA/TC |
| QS-245 | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | * | B/CA/CE |
| QS-245-E-HC | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | HC/* | E/CA/CE |
| QS-245-HC | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | HC/* | B/CA/CE |
| QS-245-CATC | C | 1.687 | 1.000 | 1TC | 1.625 | 0.437 | * | B/CA/TC |
| QS-245V-HC | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | HC/* | V/CA/CE |
| QS-248 | C | 1.687 | 1.000 | 1SS | 1.625 | 0.437 | * | B/CA/CE |
| QS-248-E | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | * | E/CA/CE |
| QS-248V | C | 1.687 | 1.000 | 3SS | 1.625 | 0.437 | */++ | V/CA/SS |
| QS-248V-HC | C | 1.687 | 1.000 | 1SS | 1.625 | 0.437 | HC/* | V/CA/SS |
| QS-311 | C | 1.687 | 1.062 | 18C | 1.700 | 0.370 | | B/CA/CE |
| QS-357 | C | 1.687 | 1.000 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-357V | C | 1.687 | 1.000 | 3C | 1.625 | 0.437 | | V/CA/CE |
| QS-357V-HC | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-397 | C | 1.687 | 1.000 | --- | --- | --- | | B/CA/--- |
| QS-397V | C | 1.687 | 1.000 | --- | --- | --- | | V/CA/--- |
| QS-413V | C | 1.687 | 1.000 | 15C | 1.625 | 0.625 | | V/CA/CE |
| QS-413V-HC | C | 1.687 | 1.000 | 15C | 1.625 | 0.625 | HC/++ | V/CA/SC |
| QS-499 | C | 1.687 | 1.000 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-499-E | C | 1.687 | 1.000 | 3SS | 1.625 | 0.437 | ++ | E/CA/SS |
| QS-539 | C | 1.437 | 1.625 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-539V-HC | C | 1.437 | 1.562 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-548 | C | 1.687 | 1.000 | 3C | 1.625 | 0.437 | ++ | B/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|-------|--------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-779 | C | 1.437 | 1.625 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-779V-HC | C | 1.437 | 1.562 | 1SS | 1.625 | 0.437 | HC | V/CA/CE |
| QS-982 | C | 1.687 | 1.562 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-982V-HC | C | 1.687 | 1.562 | 1SS | 1.625 | 0.437 | HC | V/CA/SS |
| QS-1023 | C | 1.687 | 1.056 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1034 | C | 1.687 | 1.000 | 28 | 2.440 | 0.438 | | B/CA/SS |
| QS-1034V | C | 1.687 | 1.000 | 28 | 2.438 | 0.437 | | V/CA/SS |
| QS-1048 | C | 1.437 | 0.750 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1048V-HC | C | 1.437 | 0.750 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-1049 | C | 1.687 | 0.750 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-1072 | C | 1.687 | 1.015 | 3C | 1.812 | 0.687 | | B/CA/CE |
| QS-1094V | C | 1.687 | 0.812 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-1094V-HC | C | 1.687 | 0.812 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-1094 TCTC | C | 1.687 | 0.812 | 1TC | 1.625 | 0.437 | | B/TC/TC |
| QS-1095 | C | 1.687 | 0.812 | --- | --- | --- | | B/CA/--- |
| QS-1117 | C | 1.687 | 0.812 | 3C | 2.380 | 0.406 | | B/CA/CE |
| QS-1123 | C | 1.687 | 0.843 | 1SS | 1.625 | 0.406 | | B/CA/SS |
| QS-1123-TCTC | C | 1.687 | 0.812 | 1TC | 1.625 | 0.437 | | B/TC/TC |
| QS-1126 | C | 1.687 | 1.000 | 1C | 1.625 | 0.406 | | B/CA/CE |
| QS-1827A | C | 1.437 | 1.625 | 1C | 1.500 | 0.375 | | B/CA/CE |
| QS-1838AV | C | 1.687 | 0.843 | 1TC | 1.625 | 0.437 | | V/CA/TC |
| QS-1868AN | C | 1.687 | 0.843 | 1SS | 1.625 | 0.437 | | N/CA/SS |
| QS-1875AN | C | 1.687 | 1.000 | 51 | --- | PLT | | N/CA/SS |
| QS-1880AN | C | 1.687 | 1.625 | 51 | --- | PLT | | N/CA/SS |
| QS-1906A | C | 1.687 | 0.843 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1925AN | C | 1.687 | 1.000 | 51 | 2.125 | PLT | | N/CA/SS |
| QS-2069AV | C | 1.687 | 0.843 | 3SS | 1.937 | 0.563 | | V/CA/SS |
| QS-2090A | C | 1.687 | 1.000 | 2B | 1.625 | 0.437 | | B/CA/BR |
| QS-2145 | C | 1.687 | 1.000 | --- | --- | --- | | B/CA/--- |
| QS-2163 | C | 1.687 | 1.000 | 1C | 1.750 | 0.437 | | B/CA/--- |
| QS-2216 | C | 1.687 | 1.000 | 1SC | 1.625 | 0.437 | | B/SC/SC |
| QS-2748 | C | 1.675 | 1.000 | 1C | 1.625 | 0.375 | | B/CA/CE |
| QS-3220 | C | 1.687 | 1.000 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-3240 | C | 1.687 | 0.876 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-3240V HC | C | 1.687 | 0.876 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-3440 | C | 1.687 | 1.000 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-3440V | C | 1.687 | 1.000 | 1SS | 1.750 | 0.437 | | V/CA/SS |
| QS-3619 | C | 1.687 | 1.000 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-3755V | C | 1.687 | 1.000 | 3C | 1.437 | 0.437 | | V/CA/CE |
| QS-3785V | C | 1.687 | 1.062 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-3807V | C | 1.687 | 1.000 | 3SC | 1.625 | 0.437 | * / ++ | V/CA/SS |
| QS-3824V | C | 1.687 | 1.000 | 3SS | 1.750 | 0.437 | | V/CA/SS |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-4081 | C | 1.671 | 1.062 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-4095V | C | 1.687 | 1.062 | 28SS | 2.438 | 0.437 | | V/CA/SS |
| QS-4254V | C | 1.687 | 1.755 | 1SS | 1.625 | 0.437 | | V/CA/SS |
| QS-4350 | C | 1.687 | 1.000 | 3SS | 1.625 | 0.437 | | E/CA/SS |
| QS-4359 | C | 1.687 | 1.312 | 1C | 1.625 | 0.437 | * | B/CA/CE |
| QS-4379 | C | 1.687 | 1.000 | 1C | 1.625 | 0.437 | * | E/CA/CE |
| QS-4515A | C | 1.437 | 1.625 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-5039 | C | 1.437 | 0.812 | 2SS | 1.750 | 0.437 | | B/CA/SS |
| QS-5082V | C | 1.437 | 1.562 | 1SS | 1.625 | 0.437 | | V/CA/SS |
| QS-5170AV | C | 1.687 | 1.562 | 1SS | 1.625 | 0.437 | | V/CA/SS |
| QS-6161AN | C | 1.687 | 1.500 | 51 | --- | PLT | | N/CA/SS |
| QS-6288AN | C | 1.687 | 1.300 | 52 | --- | PLT | | N/CA/SS |
| QS-6430AN | C | 1.687 | 1.000 | 52 | --- | PLT | | N/CA/SS |
| QS-6670A | C | 1.687 | 0.812 | 2SS | 1.625 | 0.350 | | |
| QS-7207V | C | 1.687 | 1.000 | 3SS | 1.750 | 0.437 | | V/CA/SS |
| QS-7434 | C | 1.687 | 0.812 | 1C | 1.625 | 0.375 | | B/CA/CE |
| QS-9158AN | C | 1.687 | 1.562 | 52 | --- | PLT | | N/CA/PLT |
| QS-9178AN | C | 1.687 | 1.000 | 52 | --- | PLT | | N/CA/PLT |
| QS-9179AN | C | 1.687 | 1.625 | 52 | --- | PLT | | N/CA/PLT |
| QS-9420AN | C | 1.687 | 1.375 | 52 | --- | PLT | | N/CA/PLT |
| QS-10005 | C | 1.687 | 1.000 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| QS-1700-01V | C | 1.687 | 1.000 | 3SS | 1.812 | 0.343 | | V/CA/SS |
| QS-10037 | C | 1.687 | 1.000 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-159N | D | 1.750 | 1.000 | 3SS | 1.625 | 0.437 | | N/CA/SS |
| QS-227V | D | 1.750 | 1.062 | 1SS | 1.750 | 0.437 | | V/CA/SS |
| QS-252 | D | 1.750 | 1.062 | 3SS | 1.625 | 0.437 | | B/CA/CE |
| QS-252-E CASC | D | 1.812 | 1.062 | 3SC | 1.625 | 0.437 | ++ | E/CA/SC |
| QS-252-HC | D | 1.750 | 1.062 | 3SS | 1.625 | 0.437 | HC/++ | B/CA/SS |
| QS-380 | D | 1.750 | 1.062 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-380V | D | 1.812 | 1.062 | 1C | 1.625 | 0.437 | ++ | V/CA/CE |
| QS-380V-HC | D | 1.750 | 1.062 | 1C | 1.625 | 0.437 | HC/++ | V/CA/CE |
| QS-398 | D | 1.750 | 1.062 | --- | --- | --- | | B/CA/--- |
| QS-438 | D | 1.750 | 1.062 | 18C | 1.700 | 0.370 | | B/CA/CE |
| QS-460 | D | 1.750 | 1.062 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-460-HC | D | 1.750 | 1.062 | 1SS | 1.625 | 0.437 | HC/++ | B/CA/SS |
| QS-460V | D | 1.812 | 1.062 | 1SS | 1.625 | 0.437 | | V/CA/CE |
| QS-460V-HC | D | 1.750 | 1.062 | 1SS | 1.625 | 0.437 | HC | V/CA/CE |
| QS-460TCSC | D | 1.750 | 1.062 | 1SC | 1.625 | 0.437 | | B/TC/SC |
| QS-789 | D | 1.750 | 1.062 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-987 | D | 1.750 | 1.062 | 3C | 1.875 | 0.437 | | B/CA/CE |

NOTE: HC - HARD CARBON
 PLT - PLATE SEAT
 ++ - SLOTTED SEAT
 * - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|--------|-------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-1046 | D | 1.750 | 1.062 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-1138 | D | 1.750 | 1.000 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-1630 | D | 1.750 | 1.000 | 3SS | 1.625 | 0.312 | | E/CA/SS |
| QS-1630V | D | 1.812 | 1.000 | 3SS | 1.625 | 0.312 | | V/CA/SS |
| QS-1940AN | D | 1.750 | 1.375 | 3SS | 1.625 | 0.312 | | N/CA/SS |
| QS-2032 | D | 1.750 | 1.062 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-2033V | D | 1.750 | 1.062 | 3C | 1.625 | 0.437 | | V/CA/CE |
| QS-2034 | D | 1.750 | 1.062 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-2164 | D | 1.812 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-2164V | D | 1.750 | 1.062 | 1C | 1.750 | 0.437 | ++ | V/CA/SS |
| QS-2703V | D | 1.750 | 1.000 | 3TC | 1.625 | 0.437 | | V/SC/TC |
| QS-2725 | D | 1.750 | 1.000 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-2728V-HC | D | 1.750 | 1.000 | 3SC | 1.625 | 0.437 | HC | V/CA/SC |
| QS-3241 HC | D | 1.750 | 1.062 | 3SS | 1.625 | 0.437 | HC/++ | B/CA/SS |
| QS-3250N | D | 1.750 | 1.000 | 3SS | 1.625 | 0.312 | | N/CA/SS |
| QS-3266V | D | 1.750 | 1.000 | 3C | 1.625 | 0.437 | | V/CA/CE |
| QS-3900 HC | D | 1.812 | 1.000 | 1SS | 1.625 | 0.437 | HC | B/CA/CE |
| QS-4137 | D | 1.750 | 1.000 | 3C | 1.625 | 0.312 | | E/CA/CE |
| QS-4297 | D | 1.750 | 1.000 | 3SS | 1.625 | 0.312 | | B/CA/SS |
| QS-4394V | D | 1.750 | 1.000 | 3SC | 1.625 | 0.312 | | V/CA/SC |
| QS-4453 | D | 1.812 | 25MM | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-4601V | D | 1.750 | 1.062 | 3TC | 1.625 | 0.312 | | V/SC/TC |
| QS-6326 | D | 1.750 | 1.000 | 3SC | 1.625 | 0.312 | | B/CA/SC |
| QS-6328V | D | 1.750 | 1.000 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-6329 | D | 1.750 | 1.000 | 3SS | 1.625 | 0.312 | | B/CA/SS |
| QS-7991 | D | 1.812 | 1.000 | 25SS | 1.625 | 5.000 | | B/CA/SS |
| QS-3273V-HC | DB | 1.812 | 1.312 | 3SS | 1.500 | 0.406 | HC | V/CA/SS |
| QS-4253N | DB | 1.812 | 1.312 | 3SC | 1.500 | 0.406 | | N/CA/SC |
| QS-4255V | DB | 1.812 | 1.312 | 3TC | 1.500 | 0.406 | | V/CA/TC |
| QS-4289V | DB | 1.812 | 1.312 | 3SS | 1.500 | 0.406 | 316SS | V/CA/SS |
| QS-4579V | DB | 1.812 | 1.312 | 1C | 32MM | 10.3MM | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-236 | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-236N | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | | N/CA/SS |
| QS-236 HC | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | HC | B/CA/SS |
| QS-236V | E | 1.500 | 1.562 | 3SS | 1.625 | 0.437 | | V/CA/SS |
| QS-236V-HC | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | HC | V/CA/SS |
| QS-236V-CMS | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | | V/CA/SS |
| QS-251 | E | 1.500 | 1.187 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-357E-HC | E | 1.875 | 1.687 | 1C | 2.000 | 0.437 | HC | E/CA/CE |
| QS-557 | E | 1.500 | 1.562 | 3C | 1.625 | 0.437 | | B/CA/SS |
| QS-695 | E | 1.500 | 1.562 | 2SS | 1.625 | 0.406 | | B/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-754 | E | 1.500 | 1.562 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-754-HC | E | 1.500 | 1.562 | 1C | 1.625 | 0.437 | HC | B/CA/CE |
| QS-754-E CATC | E | 1.500 | 1.562 | 3C | 1.625 | 0.437 | | E/CA/TC |
| QS-754V | E | 1.500 | 1.562 | 3C | 1.625 | 0.437 | | V/CA/CE |
| QS-754V-HC | E | 1.500 | 1.562 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-791 | E | 1.500 | 1.562 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-791-E-TC- SEAT | E | 1.500 | 1.562 | 3TC | 1.625 | 0.437 | | E/CA/TC |
| QS-791V-TC- SEAT | E | 1.500 | 1.562 | 3TC | 1.625 | 0.437 | | V/CA/TC |
| QS-912 | E | 1.500 | 1.562 | 1C | 1.500 | 0.437 | | B/CA/CE |
| QS-937 | E | 1.500 | 1.562 | --- | --- | --- | | B/CA/--- |
| QS-937V | E | 1.500 | 1.562 | --- | --- | --- | | V/CA/--- |
| QS-1030V | E | 1.500 | 1.562 | 3SS | 1.625 | 0.437 | | V/CA/SS |
| QS-1165 | E | 1.500 | 1.562 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-1166 | E | 1.500 | 1.562 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-1815AN | E | 1.500 | 1.187 | --- | --- | --- | | N/CA/--- |
| QS-1832AV | E | 1.500 | 1.000 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-1855AN | E | 1.500 | 1.000 | 3SS | 2.000 | 0.500 | | N/CA/SS |
| QS-1857V | E | 1.500 | 1.000 | 3SC | 1.625 | 0.437 | | V/CA/SC |
| QS-1860AN | E | 1.500 | 1.000 | 2SS | 1.750 | 0.250 | | N/CA/SS |
| QS-1890A | E | 1.500 | 1.187 | 2B | 1.812 | 0.437 | | B/CA/BR |
| QS-1905A | E | 1.500 | 1.000 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-1905AV | E | 1.500 | 1.000 | 1SS | 1.625 | 0.437 | | V/CA/SS |
| QS-1985AN | E | 1.500 | 1.000 | 2B | 1.687 | 0.344 | | N/CA/BR |
| QS-1995AN | E | 1.500 | 1.000 | 2B | 1.875 | 0.375 | | N/CA/BR |
| QS-2035 | E | 1.500 | 1.562 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-2036 | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-2065A | E | 1.500 | 0.875 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-2070AN | E | 1.500 | 1.000 | 52 | 2.500 | PLT | | N/CA/PLT |
| QS-2075A | E | 1.500 | 1.000 | 2C | 1.875 | 0.437 | | B/CA/CE |
| QS-2080AN | E | 1.500 | 1.000 | 2B | 2.062 | 0.282 | | N/CA/BR |
| QS-2095AN | E | 1.500 | 1.000 | 51/1 | 1.937 | PLT | | N/CA/PLT |
| QS-3129 | E | 1.500 | 1.562 | 3C | 1.625 | 0.437 | ++ | B/CA/CE |
| QS-3589V | E | 1.500 | 1.562 | 3TC | 1.625 | 0.437 | | V/CA/TC |
| QS-3625V | E | 1.500 | 1.562 | 1SS | 1.625 | 0.437 | | V/CA/SS |
| QS-3803 | E | 1.500 | 1.187 | 3SS | 1.625 | 0.312 | | V/CA/SS |
| QS-3976V | E | 1.500 | 1.562 | 3C | 1.625 | 0.437 | ++ | V/CA/CE |
| QS-4210 | E | 1.500 | 1.562 | 3SC | 1.625 | 0.437 | | E/SC/SC |
| QS-4412V | E | 1.500 | 1.562 | 3SS | 1.625 | 0.437 | ++ | V/CA/SS |
| QS-4452V | E | 1.875 | 1.625 | 3TC | 2.125 | 0.437 | | V/CA/TC |
| QS-4810AN | E | 1.500 | 1.000 | 2SS | 1.625 | 0.344 | | N/CA/SS |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|---------|---------|-------|---------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-4882 | E | 1.500 | 1.562 | --- | --- | --- | | B/CA/--- |
| QS-4911AV | E | 1.500 | 1.000 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-5785A | E | 1.500 | 1.000 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-5785AV | E | 1.500 | 1.000 | 1C | 1.750 | 0.437 | | V/CA/CE |
| QS-6331 | E | 1.500 | 1.562 | 3SS | 1.625 | 0.437 | ++ | B/CA/SS |
| QS-7540A | E | 1.500 | 1.562 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-7540AV | E | 1.500 | 1.562 | 1C | 1.625 | 0.437 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-3874V | G | 1.535 | 0.813 | 5TC | 1.625 | 0.437 | | V/CA/TC |
| QS-3010V | G | 1.535 | 0.813 | 1C | 1.625 | 0.437 | 316SS | V/CA/CE |
| QS-4195 | G | 1.535 | 0.937 | 3SC | 1.625 | 0.437 | | B/CA/SC |
| QS-3042V | G | 1.535 | 1.000 | 1C | 1.625 | 0.437 | ++316SS | V/CA/CE |
| QS-3295 | G | 1.535 | 1.000 | 3C | 1.625 | 0.437 | ++ | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-813 | J | 1.470 | 1.000 | 1C | 1.625 | 0.375 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-879 | K | 1.687 | 1.625 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-879-SC-SC/CA/CE | K | 1.687 | 1.625 | 1 SC/1C | 1.625 | 0.437 | | B/SC/SC/CA/CE |
| QS-879V-SC-TC | K | 1.687 | 1.625 | 1SC/1TC | 1.625 | 0.437 | | V/SC/TC/SC/TC |
| QS-891 | K | 1.687 | 1.625 | 1SS | 1.625 | 0.437 | | B/CA/CE |
| QS-2282A | K | 1.687 | 1.625 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-3065V | K | 1.478 | 1.718 | 3SC | 1.625 | 0.437 | | V/CA/SC |
| QS-3126 | K | 1.687 | 1.875 | 3SS | 1.625 | 0.437 | | B/CA/SS |
| QS-3959V | K | 1.687 | 1.625 | 1C | 1.625 | 0.437 | | V/CA/CE |
| QS-4129 | K | 1.687 | 1.625 | 1SC | 1.625 | 0.437 | | B/SC/SC |
| QS-4301 | K | 1.687 | 1.625 | 1SC | 1.625 | 0.437 | | B/SC/SC/CA/CE |
| QS-4362 | K | 1.671 | 1.625 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-4590 | K | 1.687 | 1.625 | 3SC | 1.625 | 0.437 | | B/SC/SC |
| QS-4850AN | K | 1.687 | 1.875 | 3SS | 1.875 | 0.500 | | N/CA/SS |
| QS-9907AN | K | 1.687 | 1.625 | 52/2 | 1.250 | 0.359 | | N/CA/PLT/ SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-1945AN | L-1 | 1.812 | 0.625 | --- | --- | --- | | N/CA/--- |
| QS-2015AN | L-1 | 1.625 | 1.000 | --- | --- | --- | | N/CA/--- |
| QS-2030AN | L-1 | 1.750 | NO SPRING | 1CA | 1.750 | 0.390 | | N/SS/CA |
| QS-3940AN | L-1 | 1.500 | 0.375 | 8B | 1.375 | 0.175 | | N/CA/BR |
| QS-4830AN | L-1 | 1.562 | 1.250 | --- | --- | --- | | N/CA/--- |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|---------------|------------|---------|-------------|-------|----------|---------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-2060AN | L-2 | 1.625 | 1.500 | --- | --- | --- | | N/CA/--- |
| QS-3922AN | L-2 | 1.875 BORE | 1.875 | 8SS | M.O.S. | 0.350 | | N/CA/SS |
| QS-3965A | L-2 | 1.750 BORE | 1.475 | 8SS | M.O.S. | 0.187 | | B/CA/SS |
| QS-7905AN | L-2 | 1.625 | 2.475 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-3100 | Q | 1.875 | 0.985 | --- | --- | --- | Unitized | |
| QS-3120 | Q | 1.625 | 0.885 | Special | 1.625 | 0.312 | | B/CA |
| QS-3401 | Q | 1.906 | 0.471 | 9SS | --- | 0.421 | | B/CA/SS |
| QS-6305 | Q | 1.875 | 0.438 | 2BR | 1.625 | 0.312 | | B/CA/BR |
| QS-6312 | Q | 1.925 | 0.885 | Special | 1.625 | 0.312 | | B/CA/BR |
| | | | | | | | | |
| QS-141 | R | 1.750 | 1.875 | --- | --- | --- | | B/CA/--- |
| QS-429 | R | 1.750 | 1.875 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-429V-HC | R | 1.750 | 1.875 | 1C | 1.625 | 0.437 | HC | V/CA/CE |
| QS-430 | R | 1.750 | 1.875 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-1022 | R | 1.750 | 1.875 | 3C | 1.625 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-793 | S | 1.904 | 1.906 | 8SS | 1.750 | 0.250 | | N/BR/SS |
| | | | | | | | | |
| QS-1826AN | SP | 1.925 | 0.500 | 7SS | M.O.S. | 0.360 | | N/CA/SS |
| | | | | | | | | |
| QS-276 | T | 1.500 | 2.312 | 1C | 1.625 | 0.437 | | B/CA/CE |
| QS-277 | T | 1.500 | 2.312 | 1SS | 1.625 | 0.437 | | B/CA/SS |
| QS-688 | T | 1.500 | 2.250 | 3C | 1.625 | 0.437 | | B/CA/CE |
| QS-1631N | T | 1.500 | 1.968 | 3SS | 1.625 | 0.312 | | N/CA/SS |
| QS-1631VSS | T | 1.500 | 2.312 | 3TC | 1.625/1.687 | 0.437 | | V/CA/TC |
| QS-1845AN | T | 1.500 | 1.600 | 51 | 2.000 | PLT | | N/CA/PLT |
| QS-1850AN | T | 1.500 | 1.600 | --- | --- | --- | | N/CA/--- |
| QS-1851AN | T | 1.500 | 1.600 | 8SS | 1.690 | 0.190 | | N/CA/SS |
| QS-2115AN | T | 1.500 | 2.000 | 1C | 1.625 | 0.875 | | N/CA/CE |
| QS-2115AV | T | 1.500 | 2.000 | 1C | 1.625 | 0.875 | | V/CA/CE |
| QS-3070AN | T | 1.500 | 1.600 | 51 | --- | PLT | | N/CA/PLT |
| QS-3912A | T | 1.500 | 1.875 | 51 | 1.625 | PLT | | B/CA/PLT |
| QS-3975A | T | 1.500 | 1.500 | 2SS | 2.000 | 0.437 | | B/CA/CE |
| QS-4015AN | T | 1.500 | 1.600 | 51 | --- | PLT | | N/CA/PLT |
| QS-4210 | T | 1.500 | 2.312 | 3SC | 1.625 | 0.437 | ++ | E/SC/SC |

NOTE: ++ - SLOTTED SEAT
 HC - HARD CARBON
 PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|---------|---------|-------|---------------|----------------|
| 1.000 (1") (continued) | | | | | | | | |
| QS-10169 | T | 1.500 | 2.312 | 2CA/2TC | 1.875 | 0.562 | SQ CUT GASKET | B/TC/CA/TC /SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-6987RO | T9 | 1.562 | --- | --- | --- | --- | | CA/---/--- |
| QS-9313 | T9 | 1.562 | 1.000 | 2SS | 1.625 | 0.437 | 316SS | CA/SS |
| QS-9334 | T9 | 1.562 | 1.000 | 2STE | 1.625 | 0.437 | 316SS | CA/STE |
| QS-9715 | T9 | 1.562 | 1.000 | Special | 2.015 | 0.593 | 316SS | CA/SS |
| QS-9007 | T9 | 1.562 | 1.000 | Special | 2.156 | 0.656 | 316SS | CA/SS |
| QS-9018 | T9 | 1.562 | 1.000 | 27C | 2.156 | 0.812 | 316SS | CA/CE |
| QS-1000 | T9 | 1.437 | 1.000 | --- | --- | --- | 316SS | CA/---/--- |
| QS-9349 | T9T | 1.437 | 1.000 | --- | --- | --- | 316SS | CA/---/--- |
| QS-9349 CATC | T9T | 1.437 | 1.000 | 27TC | 2.000 | 0.625 | 316SS | CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-8091V | T8-1 | 1.562 | 1.000 | 3SC | 1.625 | 0.437 | ++316SS | V/CA/SC |
| QS-8116 E | T8-1 | 1.562 | 1.000 | 5TC | 1.633 | 0.437 | 316SS | E/CA/TC |
| QS-8705V | T8B1 | 1.562 | 1.312 | 3SC | 1.500 | 0.406 | ++316SS | V/CA/SC |
| QS-8112 | T8B2 | 1.750 | 1.000 | 3SS | 1.625 | 0.437 | 316SS | B/CA/SS |
| QS-8020V | T8B3 | 1.750 | 1.000 | 3C | 1.750 | 0.437 | 316SS | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 1.040 SHAFT | | | | | | | | |
| QS-2145AN | C | 1.687 | 1.062 | 51 | --- | PLT | | N/CA/PLT |
| QS-9291AN | C | 1.687 | 1.062 | 51 | --- | PLT | | N/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| 1.062 (1-1/16") SHAFT | | | | | | | | |
| QS-1407A | C | 1.687 | 0.750 | 51 | --- | PLT | | B/CA/PLT |
| QS-2140A | C | 1.687 | 1.062 | 2SS | 1.750 | 0.437 | | B/CA/SS |
| QS-2155 | C | 1.812 | 1.062 | 3SS | 1.750 | 0.437 | ++ | B/CA/SS |
| QS-2155A | C | 1.687 | 1.062 | 2SS | 1.812 | 0.312 | | B/CA/SS |
| QS-2160AN | C | 1.687 | 1.062 | --- | --- | --- | | N/CA/--- |
| QS-5330A | C | 1.687 | 0.750 | 52 | --- | PLT | | B/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| QS-127 | D | 1.875 | 1.062 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-796 | D | 1.875 | 1.062 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-797 | D | 1.875 | 1.062 | 3C | 1.750 | 0.437 | ++ | B/CA/CE |
| QS-3193V | D | 1.996 | 1.062 | 3SC | 1.750 | 0.437 | | V/CA/SC |
| | | | | | | | | |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------------|------|-------|------------|--------------------------|---------|-------|-------|---------------|
| 1.062 (1-1/16") (continued) | | | | | | | | |
| QS-498 | E | 1.625 | 1.593 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-710 | E | 1.625 | 1.593 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-798 | E | 1.625 | 1.593 | 3C | 1.750 | 0.437 | ++ | B/CA/CE |
| QS-798V | E | 1.625 | 1.593 | 3C | 1.750 | 0.437 | ++ | V/CA/CE |
| QS-799 | E | 1.625 | 1.593 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-2162AV | L-1 | 1.500 | 1.175 | --- | --- | --- | | V/CA/--- |
| QS-6694AN | L-1 | 2.000 | 1.375 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-9338 | T9 | 1.625 | 1.000 | 27SS | 1.812 | 0.437 | 316SS | CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-1946AV | Z | 2.125 | 0.950 | SEATS UNITIZED WITH SEAL | | | | V/CA |
| | | | | | | | | |
| | | | | | | | | |
| 1.083 SHAFT | | | | | | | | |
| QS-2093A | C | 1.812 | 1.062 | 2B | 1.937 | 0.437 | | B/CA/BR |
| QS-2165A | C | 1.812 | 1.062 | 2B | 1.937 | 0.437 | | B/CA/BR |
| | | | | | | | | |
| | | | | | | | | |
| 1.102 (28MM) SHAFT | | | | | | | | |
| QS-MG12-3243 | MG12 | --- | --- | G60 | --- | --- | | V/SC/SC |
| QS-1428U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1428L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| 1.125 (1-1/8") SHAFT | | | | | | | | |
| QS-348 | C | 1.812 | 1.062 | --- | --- | --- | | B/CA/--- |
| QS-348V | C | 1.812 | 1.062 | --- | --- | --- | | V/CA/--- |
| QS-355 | C | 1.812 | 1.062 | 1SS | 1.750 | 0.437 | | B/CA/CE |
| QS-355-HC | C | 1.812 | 1.062 | 1SS | 1.750 | 0.437 | HC | B/CA/SS |
| QS-355-SC-SC | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | | B/SC/SC |
| QS-355V | C | 1.812 | 1.062 | 3SS | 1.750 | 0.437 | ++ | V/CA/SS |
| QS-355V-HC | C | 1.812 | 1.062 | 1SS | 1.750 | 0.437 | HC | V/CA/SS |
| QS-355V-CASC | C | 1.812 | 1.062 | 3SC | 1.750 | 0.437 | ++ | V/CA/SC |
| QS-356 | C | 1.812 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-356-E | C | 1.812 | 1.062 | 1C | 1.750 | 0.437 | | E/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.125 (1-1/8") (continued) | | | | | | | | |
| QS-356-E-CASC | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | | E/CA/SC |
| QS-356-E-SC-SC | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | | E/SC/SC |
| QS-356-HC | C | 1.812 | 1.062 | 1C | 1.750 | 0.437 | HC | E/CA/CE |
| QS-356-HC-TC | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | HC | B/CA/TC |
| QS-356-SC-TC | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | | B/SC/TC |
| QS-356-TC-TC | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | | B/TC/TC |
| QS-356V | C | 1.812 | 1.062 | 3C | 1.750 | 0.437 | * | V/CA/CE |
| QS-356V-HC | C | 1.812 | 1.062 | 1C | 1.750 | 0.437 | HC | V/CA/CE |
| QS-356V-SC-SC | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | | V/SC/SC |
| QS-529 | C | 1.812 | 1.062 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-529-E | C | 1.812 | 1.062 | 3SS | 1.750 | 0.437 | ++ | E/CA/SS |
| QS-529V-HC-SC | C | 1.812 | 1.062 | 3SC | 1.750 | 0.437 | HC/++ | V/CA/SC |
| QS-549 | C | 1.812 | 1.062 | 25C | 1.750 | 0.437 | | B/CA/CE |
| QS-588 | C | 1.812 | 1.062 | 3SS | 1.750 | 0.437 | ++ | B/CA/SS |
| QS-627 | C | 1.812 | 1.406 | 1C | 1.750 | 0.437 | ++ | B/CA/CE |
| QS-801 | C | 1.812 | 1.062 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-983 | C | 1.812 | 1.562 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-983V | C | 1.812 | 1.562 | 3SS | 1.750 | 0.437 | ++ | V/CA/SS |
| QS-983V-TC-TC | C | 1.812 | 1.562 | 3TC | 1.750 | 0.437 | ++ | V/TC/TC |
| QS-1014AN | C | 1.812 | 0.700 | 52/1 | 2.062 | PLT | | N/CA/PLT/ SS |
| QS-1052 | C | 1.812 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-1122 | C | 1.812 | 1.500 | 1C | 1.937 | 0.437 | | B/CA/CE |
| QS-1143 | C | 1.812 | 1.062 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-1167 | C | 1.812 | 1.062 | 1SS | 1.750 | 0.437 | * | B/CA/SS |
| QS-1332A | C | 1.812 | 1.062 | 51 | --- | PLT | | B/CA/PLT |
| QS-1682 | C | 1.812 | 1.062 | 1C | 1.750 | 0.437 | * | B/CA/CE |
| QS-2185AN | C | 1.812 | 1.062 | 3SS | 1.625 | 0.500 | | N/CA/SS |
| QS-2185AV | C | 1.812 | 1.062 | 3SS | 1.625 | 0.500 | | V/CA/SS |
| QS-2187A | C | 1.812 | 1.062 | 8SS | --- | PLT | | B/CA/SS |
| QS-2205AN | C | 1.812 | 1.062 | --- | --- | --- | | N/CA/--- |
| QS-2226 HC | C | 1.812 | 1.062 | 3TC | 1.750 | 0.437 | HC/++ | E/CA/TC |
| QS-2227 | C | 1.812 | 1.562 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-2230A | C | 1.812 | 1.675 | --- | --- | --- | | B/CA/--- |
| QS-2240AN | C | 1.812 | 1.500 | 51 | 1.875 | PLT | | N/CA/PLT |
| QS-2250A | C | 1.812 | 1.000 | 51 | 2.250 | PLT | | B/CA/PLT |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------|---------|-------|-------|---------------|
| 1.125 (1-1/8") (continued) | | | | | | | | |
| QS-2255AN | C | 1.812 | 1.562 | 2SS | 1.750 | 0.375 | | N/CA/SS |
| QS-2260A | C | 1.812 | 1.062 | 52 | --- | PLT | | B/CA/PLT |
| QS-2261A | C | 1.812 | 1.062 | 3SS | 2.843 | 0.375 | | B/CA/SS |
| QS-2270AN | C | 1.812 | 2.375 | 51 | 2.562 | PLT | | N/CA/PLT |
| QS-2280AN | C | 1.812 | 1.500 | 51 | 2.562 | PLT | | N/CA/PLT |
| QS-2285AN | C | 1.812 | 1.500 | 2SS | 2.000 | 0.500 | | N/CA/SS |
| QS-2285AV | C | 1.812 | 1.500 | 2SS | 2.000 | 0.500 | | V/CA/SS |
| QS-2350A | C | 1.812 | 1.062 | 2SS | 2.000 | 0.500 | | B/CA/SS |
| QS-2386AV | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | | V/CA/TC |
| QS-3234V TCSC | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | | V/TC/SC |
| QS-3239V HC | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | HC | V/CA/TC |
| QS-3833 | C | 1.812 | 1.064 | 2SS | 1.750 | 0.437 | | B/CA/SS |
| QS-3965 HC | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | HC | E/CA/SC |
| QS-4037V | C | 1.812 | 1.062 | 3SC | 1.750 | 0.437 | ++ | V/SC/SC |
| QS-4047 HC | C | 1.812 | 1.062 | 1SS | 1.750 | 0.437 | HC | V/CA/SS |
| QS-4295V | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | MONEL | V/CA/TC |
| QS-4443 | C | 1.812 | 1.062 | 1SC | 1.750 | 0.437 | | B/CA/SC |
| QS-4454V | C | 1.812 | 1.062 | 3TC | 1.750 | 0.437 | ++ | V/TC/TC |
| QS-4505V | C | 1.812 | 1.062 | 3SC | 1.750 | 0.437 | ++ | V/CA/SC |
| QS-5138 | C | 1.625 | 1.031 | PLATE | 2.875 | 0.375 | | B/CA/SS |
| QS-7325 HC | C | 1.812 | 1.062 | 1TC | 1.750 | 0.437 | HC | E/CA/TC |
| QS-7608V | C | 1.812 | 1.062 | 3SC | 1.750 | 0.437 | ++ | V/CA/SC |
| QS-7920AN | C | 1.812 | 1.562 | 51 | --- | PLT | | N/CA/PLT |
| QS-9375AN | C | 1.812 | 1.562 | 51 | --- | PLT | | N/CA/PLT |
| QS-9376AN | C | 1.812 | 2.500 | 52 | --- | PLT | | N/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| QS-254 | D | 1.875 | 1.062 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-344 | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-521 | D | 1.875 | 1.062 | 2SS | 1.875 | 0.437 | | B/CA/SS |
| QS-604 | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-604-E | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | | E/CA/CE |
| QS-604V-HC | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | HC | V/CA/CE |
| QS-605 | D | 1.875 | 1.062 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-605V | D | 1.875 | 1.062 | 3SS | 1.750 | 0.437 | | V/CA/SS |
| QS-605V-HC | D | 1.875 | 1.062 | 1SS | 1.750 | 0.437 | HC | V/CA/SS |
| QS-613 | D | 1.875 | 1.062 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-802 | D | 1.875 | 1.062 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-1131 | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-1140 | D | 1.875 | 1.062 | 3C | 1.750 | 0.437 | | B/CA/CE |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.125 (1-1/8") (continued) | | | | | | | | |
| QS-2037 | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-2038 | D | 1.875 | 1.062 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-2039 | D | 1.875 | 1.062 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-2040 | D | 1.875 | 1.062 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-3712V HC | D | 1.937 | 1.062 | 3TC | 1.750 | 0.437 | HC | V/CA/TC |
| QS-3918V HC | D | 1.875 | 1.062 | 1SS | 1.750 | 0.437 | HC | V/CA/SS |
| QS-4223 SC-TC | D | 1.937 | 1.062 | 1TC | 1.750 | 0.437 | | B/SC/TC |
| QS-4271N | D | 1.875 | 1.062 | 1C | 1.750 | 0.437 | | N/CA/CE |
| QS-5116A | D | 1.875 | 1.575 | 50 | 1.922 | PLT | | B/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| QS-204 | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-204V | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | | V/CA/CE |
| QS-204-E | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | | E/CA/CE |
| QS-204-HC | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | HC | B/CA/CE |
| QS-204V-CATC | E | 1.625 | 1.625 | 3TC | 1.750 | 0.437 | ++ | V/CA/TC |
| QS-204V-HC | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | HC | V/CA/CE |
| QS-253 | E | 1.625 | 1.187 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-384 | E | 1.625 | 1.625 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-384V-HC | E | 1.625 | 1.625 | 1SS | 1.750 | 0.437 | HC | V/CA/SS |
| QS-584 | E | 1.625 | 1.625 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-607 | E | 1.625 | 1.625 | 1C | 1.687 | 0.437 | | B/CA/CE |
| QS-607V | E | 1.625 | 1.625 | 1C | 1.687 | 0.437 | | V/CA/CE |
| QS-608 | E | 1.625 | 1.625 | 1SS | 1.687 | 0.437 | | B/CA/SS |
| QS-619 | E | 1.625 | 2.000 | 3C | 1.812 | 0.437 | | B/CA/CE |
| QS-619V | E | 1.625 | 2.000 | 3C | 1.812 | 0.437 | | V/CA/CE |
| QS-636 | E | 1.625 | 2.000 | 3SS | 1.812 | 0.437 | | B/CA/SS |
| QS-885-E-HC | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | HC | E/CA/SS |
| QS-885-HC | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | HC/++ | E/CA/SS |
| QS-866 | E | 1.625 | 1.937 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-867 | E | 1.625 | 1.937 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-867-E | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | ++ | E/CA/SS |
| QS-867TCTC | E | 1.625 | 1.937 | 3TC | 1.750 | 0.437 | | B/TC/TC |
| QS-867V | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | | V/CA/SS |
| QS-867V-CATC | E | 1.625 | 1.625 | 3TC | 1.750 | 0.437 | ++ | V/CA/TC |
| QS-885 | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | | B/CA/SS |
| QS-945 | E | 1.625 | 2.000 | 3C | 1.812 | 0.437 | | B/CA/CE |
| QS-948 | E | 1.625 | 2.000 | 3SS | 1.812 | 0.437 | | B/CA/SS |

NOTE: HC - HARD CARBON
 PLT - PLATE SEAT
 ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|--------------|---------------|
| 1.125 (1-1/8") (continued) | | | | | | | | |
| QS-1067 | E | 1.625 | 1.625 | 2SS | 1.875 | 0.521 | | B/CA/SS |
| QS-1139 | E | 1.625 | 2.031 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-1168 | E | 1.625 | 1.625 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-1169 | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-1170 | E | 1.625 | 1.625 | 1C | 1.687 | 0.437 | | B/CA/CE |
| QS-1171 | E | 1.625 | 1.625 | 1SS | 1.687 | 0.437 | | B/CA/CE |
| QS-1172 | E | 1.625 | 1.937 | 3C | 1.812 | 0.437 | | B/CA/CE |
| QS-1172V | E | 1.625 | 1.625 | 3C | 1.812 | 0.437 | | V/CA/CE |
| QS-1173 | E | 1.625 | 1.937 | 3SS | 1.812 | 0.437 | | B/CA/SS |
| QS-1174 | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-1175 | E | 1.625 | 1.625 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-1330A | E | 1.625 | 1.000 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-1330AV | E | 1.625 | 1.000 | 1C | 1.750 | 0.437 | | V/CA/CE |
| QS-1331A | E | 1.625 | 1.000 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-1331AV | E | 1.625 | 1.000 | 1SS | 1.750 | 0.437 | | V/CA/SS |
| QS-1636 | E | 1.625 | 1.625 | 3C | 1.812 | 0.437 | | B/CA/CE |
| QS-1637 | E | 1.625 | 1.625 | 3SS | 1.812 | 0.437 | | B/CA/SS |
| QS-1638 | E | 1.625 | 1.625 | 3C | 1.812 | 0.437 | | B/CA/CE |
| QS-1639V | E | 1.625 | 1.625 | 3SS | 1.812 | 0.437 | | V/CA/SS |
| QS-1668 | E | 1.625 | 1.625 | 3TC | 1.812 | 0.437 | | B/CA/TC |
| QS-1668V | E | 1.625 | 1.625 | 3TC | 1.812 | 0.437 | | V/CA/TC |
| QS-1670 | E | 1.625 | 1.625 | 3TC | 1.812 | 0.437 | | B/CA/TC |
| QS-2103 | E | 1.625 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-2171A | E | 1.625 | 1.875 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-2195A | E | 1.625 | 1.625 | 2SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2265A | E | 1.625 | 1.625 | 2SS | 1.750 | 0.406 | | B/CA/SS |
| QS-2275A | E | 1.625 | 1.187 | 5I | 2.565 | PLT | | B/CA/PLT |
| QS-2325AN | E | 1.625 | 1.546 | 1C | 1.750 | 0.437 | | N/CA/CE |
| QS-2355AN | E | 1.625 | 1.187 | 3SS | 2.125 | 0.437 | | N/CA/SS |
| QS-2355AV | E | 1.625 | 1.187 | 3SS | 2.125 | 0.437 | | V/CA/SS |
| QS-2375AN | E | 1.625 | 2.031 | 2B | 1.812 | 0.437 | | N/CA/BR |
| QS-2385AN | E | 1.625 | 1.187 | 2B | 1.812 | 0.437 | | N/CA/BR |
| QS-2738V | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | LC | V/CA/SS |
| QS-3060V HC | E | 1.625 | 1.406 | 3C | 1.750 | 0.437 | HC/LC/ ++ | V/CA/CE |
| QS-3063 E | E | 1.625 | 1.333 | 3SS | 2.000 | 0.375 | | E/CA/SS |
| QS-3163 HC | E | 1.625 | 1.625 | 5TC | 1.750 | 0.437 | HC | B/CA/TC |
| QS-3291 E-CATC | E | 1.625 | 2.000 | 2TC | 1.812 | 0.437 | | E/CA/TC |
| QS-3653N | E | 1.937 | 1.333 | 3SS | 2.000 | 0.375 | ++ | N/CA/SS |
| QS-4006A | E | 1.625 | 1.625 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-4262 | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | ++ | B/CA/SS |

NOTE: ++ - SLOTTED SEAT
 HC - HARD CARBON
 LC - LOCK COLLAR
 PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|---------|---------|-------|-------|-------------------|
| 1.125 (1-1/8") (continued) | | | | | | | | |
| QS-4300V | E | 1.625 | 1.625 | 3SS | 1.750 | 0.437 | ++ | V/CA/SS |
| QS-4421 | E | 1.625 | 1.625 | 3C | 1.750 | 0.437 | | E/CA/CE |
| QS-4565E HC | E | 1.625 | 1.625 | 3TC | 1.750 | 0.437 | HC/++ | E/CA/TC |
| QS-4945A | E | 1.625 | 1.000 | 2SS | 1.937 | 0.437 | | B/CA/SS |
| QS-6334V | E | 1.937 | 1.333 | 3SS | 2.000 | 0.375 | | V/CA/SS |
| QS-7967 | E | 1.937 | 1.333 | 3SS | 2.000 | 0.375 | | B/CA/SS |
| QS-9908AN | E | 1.625 | 1.187 | 1SS | 1.750 | 0.312 | | N/CA/SS |
| QS-9944A | E | 1.625 | 1.187 | 3C | 1.750 | 0.437 | | B/CA/CE |
| QS-9944AV | E | 1.625 | 1.187 | 3C | 1.750 | 0.437 | | V/CA/CE |
| | | | | | | | | |
| QS-3817 | EB | 1.625 | 1.937 | 3TC | 1.625 | 0.437 | | B/CA/TC |
| | | | | | | | | |
| QS-3012 | G | 1.654 | 1.024 | 1SC | 1.750 | 0.437 | 316SS | B/SSC/SC |
| QS-3013V CASC | G | 1.654 | 1.062 | 25 | 1.750 | 0.437 | 316SS | V/CA/SC |
| QS-4425 | G | 1.654 | 1.024 | 1SC | 1.750 | 0.437 | 316SS | B/SC/SC |
| | | | | | | | | |
| QS-814 | J | 1.590 | 1.000 | 1C | 1.750 | 0.375 | | B/CA/CE |
| | | | | | | | | |
| QS-215 | K | 1.812 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-861 | K | 1.812 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-1176 | K | 1.812 | 1.625 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-1177 | K | 1.812 | 1.625 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-2225AN | K | 1.812 | 1.625 | 51 | 2.125 | PLT | | N/CA/PLT |
| QS-2235AN | K | 1.812 | 1.625 | 51 | 3.000 | PLT | | N/CA/SS |
| QS-4177V | K | 1.812 | 1.625 | 1SC 1CE | 1.750 | 0.437 | | V/CA/SC/SC /CE |
| QS-6510AN | K | 1.812 | 1.250 | 2SS | 1.875 | 0.437 | | N/CA/SS |
| | | | | | | | | |
| QS-2290AN | L-1 | 1.787 | 0.750 | --- | --- | --- | | N/CA/--- |
| QS-5190AN | L-1 | 1.725 | NO SPRING | --- | --- | --- | | N/CA/--- |
| QS-5295AN | L-1 | 1.750 | 1.000 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-4796A | L-2 | 1.625 | 1.000 | 25CA | 1.770 | 0.625 | | B/SS/CA |
| QS-6845AN | L-2 | 1.750 | 2.750 | 51 | 2.125 | PLT | | N/CA/PLT |
| | | | | | | | | |

NOTE: ++ - SLOTTED SEAT
 HC - HARD CARBON
 PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|---------|-------|------------|------|---------|-------|-------|---------------|
| 1.125 (1-1/8") (continued) | | | | | | | | |
| QS-6318V | Q | 1.578 | 0.402 | 9BR | 1.578 | 0.234 | | V/CA/BR |
| | | | | | | | | |
| QS-654 | R | 1.875 | 1.875 | 1SS | 1.750 | 0.437 | | B/CA/SS |
| QS-676 | R | 1.875 | 1.875 | 1C | 1.750 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-3731 | Special | 1.875 | 1.109 | 3SS | 1.625 | 0.312 | | B/CA/SS |
| | | | | | | | | |
| QS-886 | T | 1.625 | 2.375 | 3C | 1.750 | 0.437 | ++ | B/CA/CE |
| QS-918 | T | 1.625 | 2.375 | 3SS | 1.750 | 0.437 | ++ | B/CA/SS |
| QS-1178 | T | 1.625 | 2.375 | 3C | 1.812 | 0.437 | | B/CA/CE |
| QS-3511V | T | 1.625 | 2.125 | 3C | 1.750 | 0.437 | ++ | V/CA/CE |
| QS-3976AN | T | 1.625 | 1.625 | 2C | 2.125 | 0.437 | | N/CA/CE |
| QS-9055A | T | 1.625 | 2.000 | 1C | 1.750 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-545 | T/U | 1.625 | 1.812 | 1C | 1.750 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-282 | U | 1.625 | 1.688 | 3SS | 1.750 | 0.437 | ++ | B/CA/SS |
| QS-282V | U | 1.625 | 1.688 | 3SS | 1.750 | 0.437 | ++ | V/CA/SS |
| QS-3263 | U | 1.625 | 1.688 | 3SC | 1.750 | 0.437 | ++ | V/SC/SC |
| | | | | | | | | |
| QS-1103 | V | SPEC* | SPEC* | 25C | 1.765 | 0.375 | | B/CA/CE |
| | | | | | | | | |
| QS-7232 | T9 | 1.692 | 1.062 | 2SS | 2.000 | 0.484 | 316SS | CA/SS |
| QS-9327 | T9 | 1.692 | 1.062 | --- | --- | --- | 316SS | CA/--- |
| QS-9327-01 | T9 | 1.687 | 1.062 | --- | --- | --- | 316SS | CA/--- |
| QS-9328 | T9 | 1.687 | 1.062 | 28SS | 2.354 | 0.752 | 316SS | CA/SS |
| QS-9355 | T9 | 1.692 | 1.062 | 2TC | 2.000 | 0.484 | 316SS | CA/TC |
| QS-9T-1125 | T9T | SPEC | SPEC | 2SS | 2.000 | 0.437 | 316SS | CA/SS |
| | | | | | | | | |
| QS-8006 | T8B2 | 1.875 | 1.000 | 27C | 2.375 | 1.000 | 316SS | V/CA/CE |
| | | | | | | | | |
| 1.156 SHAFT | | | | | | | | |
| QS-2345AN | D | 2.000 | 0.900 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------|--------|-------|------------|-------|---------|-------|-------|--------------------|
| 1.181 (30MM) SHAFT | | | | | | | | |
| QS-31-52 | C | 1.875 | 1.062 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-41-52 | C | 1.875 | 1.062 | 1C | 2.250 | 0.437 | | B/CA/CE |
| QS-1306A | C | 1.875 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-4445A | C | 1.875 | 1.062 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-5185A | C | 1.875 | 1.062 | 2SS | 2.000 | 0.500 | | B/CA/SS |
| QS-5280A | C | 1.875 | 1.375 | 1C | --- | --- | | B/CA/--- |
| QS-9140A | C | 1.875 | 1.375 | 3B | 1.812 | 0.656 | | B/CA/BR |
| QS-7815YB2 | C | 1.875 | --- | 1C | --- | --- | | B/CA/CE |
| QSM-2991V | C-DBL | 1.875 | 1.625 | G60 | 50MM | --- | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-136 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-136V | D | 2.000 | 1.062 | 3 | 1.875 | 0.437 | | V/CA/CE |
| QS-1179 | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1179-HC | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | HC | B/CA/SS |
| QS-1179V | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | | V/CA/SS |
| QS-1179V-HC | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | HC | V/CA/SS |
| QS-2737 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-3938 | D | 2.000 | 1.062 | 1TC | 1.875 | 0.437 | | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-4675A | K | 1.875 | 2.500 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2923V | 43-DBL | 1.875 | 2.500 | G60 | --- | --- | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-2405AN | L-1 | 1.812 | 1.250 | --- | --- | --- | | N/CA/--- |
| QS-1430U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1430L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| 1.187 (1-3/16") SHAFT | | | | | | | | |
| QS-1008AN | C | 1.875 | 1.250 | 51 | --- | PLT | | N/CA/PLT |
| QS-1044 | C | 1.937 | 1.062 | 30SS | 2.834 | 0.500 | | B/CA/SS |
| QS-1044V | C | 1.937 | 1.062 | 28SS | 2.834 | 0.500 | | V/CA/SS |
| QS-2162 | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2415A | C | 1.870 | 1.062 | 2SS | 1.937 | 0.312 | | B/CA/SS |
| QS-2417AV | C | 1.875 | 0.875 | 3SS | 2.125 | 0.375 | | V/CA/SS |
| QS-2450A | C | 1.875 | 1.250 | 2SS | 2.000 | 0.500 | | B/CA/SS |
| QS-2455AN | C | 1.875 | 1.500 | 51/2S | 2.453 | PLT | | N/CA/PLT |
| QS-2458AN | C | 1.875 | 1.062 | 1C | 1.875 | 0.344 | | N/CA/CE |
| QS-4115AN | C | 1.875 | 1.000 | 3SS | 1.875 | 0.437 | | N/CA/SS |
| QS-5660AN | C | 1.875 | 1.500 | 51 | --- | PLT | | N/CA/PLT |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.187 (1-3/16") (continued) | | | | | | | | |
| QS-6812 | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/CE |
| QS-9137AN | C | 1.875 | 1.062 | 52 | --- | PLT | | N/CA/PLT |
| QS-9139AN | C | 1.875 | 1.062 | 52 | --- | PLT | | N/CA/PLT |
| | | | | | | | | |
| QS-297 | D | 2.062 | 1.000 | 1C | 1.875 | 0.437 | | N/CA/CE |
| QS-589 | D | 2.062 | 1.000 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2445AN | D | 2.062 | 0.875 | 51 | 2.375 | PLT | | N/CA/PLT |
| QS-4298 | D | 2.062 | 1.062 | 3SS | 1.875 | 0.437 | | N/CA/SS |
| | | | | | | | | |
| QS-255 | E | 1.812 | 1.187 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-306 | E | 1.812 | 1.187 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-306V | E | 1.812 | 1.187 | 3C | 1.875 | 0.437 | | V/CA/CE |
| QS-310 | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-343 | E | 1.812 | 1.625 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-345 | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-1180 | E | 1.812 | 1.187 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2248AN | E | 1.812 | 1.187 | 51 | 2.312 | PLT | | N/CA/PLT |
| QS-4533 | E | 1.812 | 1.187 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| QS-2440AN | L-2 | 1.812 | 1.950 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-70086 | SP | 1.812 | --- | SP | 2.438 | --- | | |
| | | | | | | | | |
| QS-723 | T | 1.812 | 2.375 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-723V | T | 1.812 | 2.375 | 1C | 1.875 | 0.437 | | V/CA/CE |
| QS-724 | T | 1.812 | 2.375 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| QS-8074 | T8B1 | 1.867 | 1.125 | 30 | 1.687 | 0.437 | 316SS | Special |
| | | | | | | | | |
| 1.240 SHAFT | | | | | | | | |
| QS-2465AN | C | 1.937 | 1.187 | 2BR | 2.000 | 0.437 | | N/CA/BR |
| | | | | | | | | |
| QS-2460AN | L-1 | 1.937 | 1.750 | 3BR | 2.000 | 0.656 | | N/CA/BR |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.250 (1-1/4") SHAFT | | | | | | | | |
| QS-154 | C | 1.937 | 1.062 | --- | --- | --- | | B/CA/--- |
| QS-154TC | C | 1.937 | 1.062 | --- | --- | --- | | B/TC/--- |
| QS-154V | C | 1.937 | 1.062 | --- | --- | --- | | V/CA/--- |
| QS-185 | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-185-E | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | | E/CA/CE |
| QS-185-E-HC | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | HC | E/CA/CE |
| QS-185-E-CASC | C | 1.937 | 1.062 | 3SC | 1.875 | 0.437 | | E/CA/SC |
| QS-185E-CATC | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | | E/CA/TC |
| QS-185E-SC-CMS | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | E/CA/SC |
| QS-185-HC | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | HC | B/CA/CE |
| QS-185-SC-SC | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| QS-185-CATC | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | | B/CA/TC |
| QS-185V | C | 1.937 | 1.062 | 3C | 1.875 | 0.437 | | V/CA/CE |
| QS-185V-HC | C | 1.937 | 1.062 | 3C | 1.875 | 0.437 | HC | V/CA/CE |
| QS-185V-CASC | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | V/CA/SC |
| QS-185V-SC-SC | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | V/SC/SC |
| QS-185V-SC-TC | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | | V/SC/TC |
| QS-185V-CATC | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | | V/CA/TC |
| QS-185V-TC-SC | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | | V/TC/SC |
| QS-185V-TC-TC | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | | V/TC/TC |
| QS-246 | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | * | B/CA/CE |
| QS-246-E-HC | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | HC/* | E/CA/CE |
| QS-246V | C | 1.937 | 1.062 | 3C | 1.875 | 0.437 | * | V/CA/CE |
| QS-246V-HC | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | HC/* | V/CA/CE |
| QS-249 | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | * | B/CA/SS |
| QS-249V | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | * | V/CA/SS |
| QS-368 | C | 1.937 | 1.062 | 18C | 1.687 | 0.437 | | B/CA/SC |
| QS-466 | C | 1.937 | 1.062 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-466-HC | C | 1.937 | 1.062 | 1C | 2.000 | 0.437 | HC | B/CA/CE |
| QS-466V-HC | C | 1.937 | 1.062 | 1C | 2.000 | 0.437 | HC | V/CA/CE |
| QS-466-SC-SC | C | 1.937 | 1.062 | 1SC | 2.000 | 0.437 | | B/SC/SC |
| QS-466V | C | 1.937 | 1.062 | 1C | 2.000 | 0.437 | | V/CA/CE |
| QS-466V-SC-SC | C | 1.937 | 1.062 | 1SC | 2.000 | 0.437 | | V/SC/SC |

NOTE: HC - HARD CARBON
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-466V-SC-SEAT | C | 1.937 | 1.062 | 1SC | 2.000 | 0.437 | | V/CA/SC |
| QS-525 | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | * | B/CA/SS |
| QS-597 | C | 1.937 | 1.062 | 18SS | 1.687 | 0.360 | | B/CA/SS |
| QS-598 | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-598-E | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | | E/CA/SS |
| QS-598-SC-SC | C | 1.937 | 1.062 | 3SC | 1.875 | 0.437 | | B/SC/SC |
| QS-598-SC-SEAT | C | 1.937 | 1.062 | 3SC | 1.875 | 0.437 | | B/CA/SC |
| QS-598-CATC | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | | B/CA/TC |
| QS-618 | C | 1.937 | 1.062 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-618-E-HC | C | 1.937 | 1.062 | 3C | 1.875 | 0.437 | HC | B/CA/CE |
| QS-618-TC-TC | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | | B/TC/TC |
| QS-618V CATC | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | | V/CA/TC |
| QS-756 | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-756-E | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | | E/CA/SS |
| QS-756-HC | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | HC | B/CA/SS |
| QS-756V | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-756V-HC | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | HC | V/CA/SS |
| QS-756V-CASC | C | 1.937 | 1.062 | 3SC | 1.875 | 0.437 | | V/CA/SC |
| QS-756V-SC-TC | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | | V/SC/TC |
| QS-923 | C | 1.937 | 1.250 | 15CS | 2.250 | 0.625 | * | B/CA/CESS |
| QS-923-E | C | 1.937 | 1.250 | 25C | 2.250 | 0.625 | * | E/CA/CE |
| QS-923V | C | 1.937 | 1.250 | 25C | 2.250 | 0.625 | * | V/CA/CE |
| QS-978 | C | 1.937 | 1.062 | 1C | 1.750 | 0.365 | * | B/CA/CE |
| QS-978-E | C | 1.937 | 1.062 | 1C | 1.765 | 0.365 | * | E/CA/CE |
| QS-978-E-HC | C | 1.937 | 1.062 | 1C | 1.765 | 0.365 | HC/* | E/CA/CE |
| QS-978-E-TC | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | | E/CA/TC |
| QS-978-E-SC-SC | C | 1.937 | 1.062 | 1SC | 1.765 | 0.365 | * | E/SC/SC |
| QS-978-E-CATC | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | * | E/CA/TC |
| QS-978-HC | C | 1.937 | 1.062 | 1C | 1.765 | 0.365 | HC/* | B/CA/CE |
| QS-978-SC-TC | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | * | B/SC/TC |
| QS-978-CATC | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | * | B/CA/TC |
| QS-978V | C | 1.937 | 1.062 | 1C | 1.765 | 0.365 | * | V/CA/CE |
| QS-978V-HC | C | 1.937 | 1.062 | 1C | 1.765 | 0.365 | HC/* | V/CA/CE |
| QS-978V-HC-TC | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | HC/* | V/CA/TC |

NOTE: HC - HARD CARBON
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-978V-HC SC | C | 1.937 | 1.062 | 1SC | 1.765 | 0.365 | HC/* | V/CA/SC |
| QS-978V-SC-SC | C | 1.937 | 1.062 | 1SC | 1.765 | 0.365 | * | V/SC/SC |
| QS-978V-TC-TC | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | * | V/TC/TC |
| QS-978V-SCCE | C | 1.937 | 1.062 | 1C | 1.765 | 0.365 | * | V/SC/CE |
| QS-979 | C | 1.937 | 1.062 | 1SS | 1.750 | 0.365 | * | B/CA/SS |
| QS-979-E | C | 1.937 | 1.062 | 1SS | 1.765 | 0.365 | * | E/CA/SS |
| QS-979-HC | C | 1.937 | 1.062 | 1SS | 1.765 | 0.365 | HC/* | B/CA/SS |
| QS-979V | C | 1.937 | 1.062 | 1SS | 1.765 | 0.365 | * | V/CA/SS |
| QS-979V-HC | C | 1.937 | 1.062 | 1SS | 1.765 | 0.365 | HC/* | V/CA/SS |
| QS-1018 | C | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-1018-E | C | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | | E/CA/SS |
| QS-1018-E-HC | C | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | HC | E/CA/SS |
| QS-1018-HC | C | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | HC | B/CA/SS |
| QS-1018-SC-SC | C | 1.937 | 1.062 | 3SC | 2.000 | 0.437 | | B/SC/SC |
| QS-1018V | C | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| QS-1036 | C | 1.937 | 1.062 | 28SS | 2.835 | 0.660 | | B/CA/SS |
| QS-1036V | C | 1.937 | 1.062 | 28SS | 2.835 | 0.660 | | V/CA/SS |
| QS-1053 | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1081N | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | | N/CA/CE |
| QS-1082N | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | | N/CA/SS |
| QS-1083N | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | | N/CA/CE |
| QS-1084N | C | 1.937 | 1.625 | 1SS | 1.875 | 0.437 | | N/CA/SS |
| QS-1084-TC-SEAT | C | 1.937 | 1.625 | 1TC | 1.875 | 0.437 | | N/CA/TC |
| QS-1109 | C | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1109-CER | C | 1.937 | 1.625 | 3C | 1.875 | 0.437 | ++ | B/CA/CE |
| QS-1109-E | C | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | | E/CA/SS |
| QS-1109-HC | C | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | HC | B/CA/SS |
| QS-1109-SC-TC | C | 1.937 | 1.625 | 3TC | 1.875 | 0.437 | | B/SC/TC |
| QS-1109-TC-TC | C | 1.937 | 1.625 | 3TC | 1.875 | 0.437 | | B/TC/TC |
| QS-1109V | C | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-1109V CASC | C | 1.937 | 1.625 | 3SC | 1.875 | 0.437 | | V/CA/SC |
| QS-1910V | C | 2.043 | 1.375 | 25SC | 2.250 | 0.625 | * | V/SC/SC |
| QS-2122 | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-2122-HC | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | HC | B/CA/CE |
| QS-2122V | C | 1.937 | 1.625 | 3C | 1.875 | 0.437 | | V/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------------|---------|-------|-------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-2122V-TC-SC-CMS | C | 1.937 | 1.625 | 1SC | 1.875 | 0.437 | | V/TC/SC |
| QS-2123 | C | 1.937 | 1.625 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2123-HC | C | 1.937 | 1.625 | 1SS | 1.875 | 0.437 | HC | B/CA/SS |
| QS-2123V | C | 1.937 | 1.625 | 1SS | 1.875 | 0.437 | | V/CA/SS |
| QS-2200V HC | C | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | HC | V/CA/SS |
| QS-2203-HC | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | HC | E/CA/SS |
| QS-2208 | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | | B/TC/TC |
| QS-2215 HC | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | HC | E/CA/SS |
| QS-2230 | C | 1.937 | 1.062 | 3C | 2.000 | 0.437 | | B/CA/CE |
| QS-2230V | C | 1.937 | 1.062 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-2501AN | C | 1.937 | 1.300 | 8SS | 1.750 | 0.562 | | N/CA/SS |
| QS-2506AN | C | 1.937 | 1.187 | 1C | 1.937 | 0.437 | | N/CA/CE |
| QS-2515A | C | 1.937 | 0.875 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2535AN | C | 1.937 | 2.000 | 5I | 2.562 | 0.437 | | N/CA/PLT |
| QS-2581AN | C | 1.937 | 1.062 | --- | --- | --- | | N/CA/--- |
| QS-3029 | C | 1.937 | 1.062 | 1C | 1.750 | 0.365 | | B/CA/CE |
| QS-3045 HC | C | 1.937 | 1.062 | 3TC | 2.000 | 0.437 | HC | B/CA/TC |
| QS-3062 | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | E/SC/SC |
| QS-3119V | C | 1.937 | 1.625 | 1SC | 1.875 | 0.437 | | V/TC/SC |
| QS-3131 | C | 1.921 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | E/CA/SC |
| QS-3146 | C | 1.937 | 1.625 | 1SC | 1.875 | 0.437 | | B/TC/SC |
| QS-3173V | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | ++ | V/CA/SS |
| QS-3178V | C | 1.937 | 1.062 | 1SC | 2.000 | 0.437 | 316SS | V/CA/SC |
| QS-3185V | C | 1.937 | 1.062 | 1SS | 2.000 | 0.437 | | V/CA/SS |
| QS-3215V | C | 2.043 | 1.273 | 25SC | 2.261 | 0.640 | * | V/SC/SC |
| QS-3264 | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | E/TC/SC |
| QS-3274 | C | 2.187 | 1.062 | 1SC | 1.875 | 0.437 | | E/CA/SC |
| QS-3538V | C | 1.921 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | V/CA/SC |
| QS-3738 | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | B/CA/SC |
| QS-3829V | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | | V/SC/CE |
| QS-3886V | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | 316SS | V/CA/CE |
| QS-3892V | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | V/SC/SC |
| QS-3933 | C | 1.937 | 1.062 | 3C | 1.875 | 0.413 | MONEL | B/CA/CE |
| QS-3940V | C | 1.937 | 1.062 | 3SC | 1.875 | 0.437 | | V/SC/SC |
| QS-3945V | C | 1.937 | 0.906 | 3SS Special | 1.875 | 0.437 | | V/CA/SS |
| QS-4029 E | C | 1.921 | 1.062 | 1TC | 1.875 | 0.437 | 316SS | E/CA/TC |
| QS-4040V | C | 1.937 | 1.062 | 1TC | 2.000 | 0.437 | 316SS | V/SC/TC |
| QS-4053 | C | 1.937 | 1.625 | 1SC | 1.875 | 0.437 | | E/SC/SC |
| QS-4101V | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | V/SC/SC |
| QS-4131V | C | 1.937 | 1.062 | 1SS | 2.000 | 0.437 | 316SS | V/CA/CE |
| QS-4150V | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | V/SC/SC |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
* - TAPERED SPRING
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|----------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-4152 | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-4156 | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | E/SC/SC |
| QS-4176V | C | 1.937 | 1.062 | 1TC | 1.875 | 0.437 | 316SS | V/CA/TC |
| QS-4204 | C | 1.937 | 1.062 | 1SC | 1.765 | 0.365 | * | E/SC/SC |
| QS-4211 | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| QS-4247 | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | | B/SC/CE |
| QS-4302 | C | 1.812 | 0.937 | 1C | 1.750 | 0.437 | | B/CA/CE |
| QS-4321AF | C | 1.937 | 1.062 | 3SC | 1.875 | 0.437 | 316SS | AF/SC/SC |
| QS-4332 HC | C | 1.937 | 1.062 | 1SC | 1.765 | 0.365 | HC/* | E/CA/SC |
| QS-4336 HC | C | 1.937 | 1.625 | 3SC | 1.875 | 0.437 | HC | E/CA/SC |
| QS-4460AF | C | 1.937 | 1.062 | 1TC | 1.765 | 0.365 | 316SS | AF/SC/TC |
| QS-4463 | C | 1.937 | 1.062 | 1C | 1.875 | 0.437 | 316SS | B/CA/CE |
| QS-4464 | C | 1.937 | 1.062 | 1SS | 1.875 | 0.437 | 316SS | E/CA/SS |
| QS-4534 | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | | E/TC/TC |
| QS-4537 | C | 1.937 | 1.750 | 1TC | 1.875 | 0.437 | | B/TC/TC |
| QS-4559 HC | C | 1.937 | 1.062 | 3TC | 2.000 | 0.437 | HC | E/CA/TC |
| QS-4595 | C | 1.937 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | B/SC/SC |
| QS-5674V | C | 1.799 | 1.062 | 1C | 1.875 | 0.437 | | V/CA/CE |
| QS-6930AN | C | 1.937 | 1.187 | 2SS | 1.937 | 0.437 | | N/CA/SS |
| QS-6930AN-SP | C | 1.937 | 1.187 | 2BR | 1.937 | 0.375 | | N/SS/BR |
| QS-6970AN | C | 1.937 | 0.950 | 1SS | 1.875 | 0.343 | | N/CA/SS |
| QS-7343 HC | C | 1.937 | 1.062 | 3C | 2.000 | 0.437 | HC | B/CA/CE |
| QS-7436 HC | C | 1.937 | 1.062 | 3TC | 1.875 | 0.437 | HC | E/CA/TC |
| QS-7805V | C | 1.937 | 1.625 | 1SC | 1.875 | 0.437 | | V/SC/SC |
| QS-7908 HC | C | 1.937 | 1.625 | 1C | 1.875 | 0.437 | HC/316SS | B/CA/CE |
| QS-7938V | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | ++ | V/CA/SS |
| QS-7938 | C | 1.937 | 1.062 | 3SS | 1.875 | 0.437 | ++ | B/CA/SS |
| QS-7970A | C | 1.937 | 2.000 | 2SS | 1.875 | 0.437 | | B/CA/SS |
| QS-7970AV | C | 1.937 | 2.000 | 2SS | 1.875 | 0.437 | | V/CA/SS |
| QS-7983V | C | 1.937 | 1.625 | 1TC | 1.875 | 0.437 | | V/CA/TC |
| QS-9359AN | C | 1.937 | 1.625 | 51 | 2.687 | PLT | | N/CA/PLT |
| QS-2678B | C | 1.937 | 0.734 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-326 | D | 2.000 | 1.000 | 3SS | 1.937 | 0.437 | | B/CA/SS |
| QS-326V | D | 2.000 | 1.000 | 3SS | 1.937 | 0.437 | | V/CA/SS |
| QS-381 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-381-E | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | E/CA/CE |
| QS-381-HC | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | HC | B/CA/CE |
| QS-381-SC-SC | D | 2.000 | 1.062 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| QS-381-NEO | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | N/CA/CE |
| QS-381V | D | 2.000 | 1.062 | 3C | 1.875 | 0.437 | | V/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
* - TAPERED SPRING
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|--------|---------|-------|-------|-----------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-383 | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-383V | D | 2.000 | 1.062 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-402 | D | 2.000 | 1.062 | 18C | 1.687 | 0.360 | | B/CA/CE |
| QS-416 | D | 2.000 | 1.062 | --- | --- | --- | | B/CA/--- |
| QS-416A | D | 2.000 | 1.062 | 15C | 1.250 | 0.625 | | B/CA/CE |
| QS-439 | D | 2.000 | 1.062 | 18SS | 1.687 | 0.360 | | B/CA/SS |
| QS-472 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-510 | D | 2.000 | 1.062 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-517 | D | 2.000 | 1.062 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-517-CATC | D | 2.000 | 1.062 | 3TC | 1.875 | 0.437 | | B/CA/TC |
| QS-786 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-804 | D | 2.000 | 1.062 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-976 | D | 2.000 | 1.062 | 1C | 1.765 | 0.365 | | B/CA/CE |
| QS-976V | D | 2.000 | 1.062 | 1C | 1.765 | 0.365 | | V/CA/CE |
| QS-977 | D | 2.000 | 1.062 | 1C | 1.750 | 0.365 | | B/CA/CE |
| QS-977V | D | 2.000 | 1.062 | 1SS | 1.765 | 0.365 | | V/CA/SS |
| QS-981 | D | 2.000 | 1.000 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-995 | D | 2.000 | 1.031 | 3C | 2.125 | 0.375 | | B/CA/CE |
| QS-1021AN | D | 2.000 | 1.375 | 51 | --- | PLT | | N/CA/PLT |
| QS-1047 | D | 2.000 | 1.062 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1090 | D | 2.000 | 1.031 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-1128 | D | 2.000 | 1.031 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1136 | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1141 | D | 2.000 | 1.062 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-1632 | D | 2.000 | 1.000 | 3SS | 1.875 | 0.375 | | B/CA/SS |
| QS-1632V | D | 2.000 | 1.000 | 3SS | 1.875 | 0.375 | | V/CA/SS |
| QS-2041 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-2042 | D | 2.000 | 1.062 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2043 | D | 2.000 | 1.062 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-2044 | D | 2.000 | 1.062 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2550AN | D | 2.000 | 1.062 | 2SS | 1.937 | 0.312 | | N/CA/SS |
| QS-2595AN | D | 2.000 | 0.875 | 51/1SS | --- | PLT | | N/CA/PLT/S S |
| QS-2596AN | D | 2.000 | 0.875 | 52/1SS | --- | PLT | | N/CA/PLT/S S |
| QS-2596AV | D | 2.000 | 0.875 | 52/1SS | --- | PLT | | V/CA/PLT/S S |
| QS-3023 | D | 2.000 | 1.062 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-3023-HC | D | 2.000 | 1.062 | 1SC | 1.875 | 0.437 | HC | E/CA/SC |
| QS-3032V | D | 2.000 | 1.031 | 1SC | 1.875 | 0.437 | | V/SC/SC |
| QS-3555 | D | 2.000 | 1.062 | 1SC | 1.875 | 0.437 | | E/SC/SC |
| QS-3629V | D | 2.000 | 1.062 | 3TC | 1.875 | 0.437 | | V/SC/TC |
| QS-3685V | D | 2.000 | 1.062 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-3759 | D | 2.062 | 1.062 | 3TC | 1.875 | 0.437 | 316SS | B/TC/TC |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-3934N | D | 2.000 | 1.000 | 3SS | 1.875 | 0.375 | | N/CA/SS |
| QS-4071V HC | D | 2.000 | 1.062 | 3SC | 1.875 | 0.437 | HC | V/CA/SC |
| QS-4073V | D | 2.000 | 1.062 | 3SC | 1.875 | 0.437 | | V/CA/SC |
| QS-4091V | D | 2.000 | 1.000 | 3SC | 1.875 | 0.437 | 316SS | V/SC/SC |
| QS-4246 | D | 2.000 | 1.062 | 3SC | 1.875 | 0.437 | | B/CA/SC |
| QS-4431V | D | 2.062 | 1.062 | 3SC | 1.875 | 0.437 | | V/SC/SC |
| QS-6036V | D | 2.000 | 1.062 | 2SS | 1.875 | 0.187 | | V/CA/SS |
| QS-6337 | D | 2.000 | 1.000 | 3SS | 1.875 | 0.375 | | B/CA/SS |
| QS-6339 | D | 2.000 | 1.000 | 3SS | 1.875 | 0.375 | | B/CA/SS |
| QS-7245AF | D | 2.062 | 1.000 | 3SS | 1.937 | 0.437 | | AF/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-108N | E | 1.812 | 1.625 | 1SS | 1.875 | 0.437 | | N/CA/SS |
| QS-137 | E | 1.812 | 1.625 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-137V | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-137V-HC | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | HC | V/CA/SS |
| QS-256 | E | 1.812 | 1.187 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-256V | E | 1.812 | 1.187 | 1SS | 1.875 | 0.437 | | V/CA/SS |
| QS-264 | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-264-HC | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | HC | B/CA/SS |
| QS-264-HC-CATC | E | 1.812 | 1.625 | 3TC | 1.875 | 0.437 | HC | B/CA/TC |
| QS-264V-SC-SC | E | 1.812 | 1.625 | 3SC | 1.875 | 0.437 | | V/SC/SC |
| QS-317V TCTC | E | 1.812 | 1.625 | 1TC | 1.875 | 0.437 | | V/TC/TC |
| QS-361 | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-361-E | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | E/CA/CE |
| QS-361-E-HC | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | HC | E/CA/CE |
| QS-361-HC | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | HC | B/CA/CE |
| QS-361-SC-SC | E | 1.812 | 1.625 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| QS-361-SC-TC | E | 1.812 | 1.625 | 1TC | 1.875 | 0.437 | | B/SC/TC |
| QS-361V | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | V/CA/CE |
| QS-361V-HC | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | HC | V/CA/CE |
| QS-361V-CASC | E | 1.812 | 1.625 | 1SC | 1.875 | 0.437 | | V/CA/SC |
| QS-361V-SC-TC | E | 1.812 | 1.625 | 1TC | 1.875 | 0.437 | | V/SC/TC |
| QS-361V | E | 1.812 | 1.625 | 3C | 1.875 | 0.437 | | V/CA/CE |
| QS-546 | E | 1.812 | 1.625 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-1015 | E | 1.812 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-1029 | E | 1.812 | 1.625 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-1181 | E | 1.812 | 1.625 | 1SS | 1.875 | 0.437 | | B/CA/CE |
| QS-1182 | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-1183 | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1183-HC | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | HC | B/CA/SS |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-1184 | E | 1.812 | 1.625 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-1185N | E | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | N/CA/CE |
| QS-1186 | E | 1.812 | 1.625 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2128 | E | 1.812 | 2.281 | 3C | 1.875 | 0.437 | ++ | B/CA/CE |
| QS-2129 | E | 1.812 | 2.281 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-2129V | E | 1.812 | 2.281 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-2493AV | E | 1.812 | 1.542 | 3SS | 1.750 | 0.437 | | V/CA/SS |
| QS-2508AV | E | 1.812 | 1.187 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-3515-E | E | 1.812 | 1.625 | 1SC | 1.875 | 0.437 | | E/CA/SC |
| QS-3528-E | E | 1.812 | 1.187 | 1SC | 1.875 | 0.437 | | E/CA/SC |
| QS-3638V HC | E | 1.812 | 1.625 | 1TC | 2.000 | 0.437 | HC | V/CA/TC |
| QS-3724-E | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | ++ | E/CA/SS |
| QS-3863-E HC | E | 1.812 | 1.625 | 3TC | 1.875 | 0.437 | HC/++ | E/CA/TC |
| QS-3872-E | E | 1.812 | 1.625 | 1SS | 1.875 | 0.437 | | E/CA/SS |
| QS-3913A | E | 1.812 | 1.062 | 5I | 1.812 | PLT | | B/CA/PLT |
| QS-4049V | E | 1.812 | 1.625 | 3SC | 1.875 | 0.437 | | V/CA/SC |
| QS-4306-E | E | 1.812 | 1.625 | 3SC | 1.875 | 0.437 | | E/CA/SC |
| QS-4396V | E | 1.812 | 1.625 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-4428 | E | 1.812 | 1.625 | 1TC | 1.875 | 0.437 | | B/CA/TC |
| QS-4538V | E | 1.812 | 1.625 | 1SC | 1.875 | 0.437 | | V/SC/SC |
| QS-4550A | E | 1.812 | 1.625 | 2B | 1.937 | 0.437 | | B/CA/BR |
| QS-5200 | E | 1.812 | 1.187 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-5340 | E | 1.812 | 1.187 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-5366 | E | 1.812 | 2.281 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-6802 HC | E | 1.812 | 1.625 | 1C | 2.000 | 0.437 | HC | B/CA/CE |
| QS-7719V HC | E | 1.812 | 2.281 | 3TC | 1.875 | 0.437 | HC | V/CA/TC |
| QS-7769 HC | E | 1.812 | 1.625 | 3TC | 1.875 | 0.437 | HC | E/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3883 | G | 1.811 | 1.024 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-6259V | G | 1.811 | 1.062 | 1C | 1.875 | 0.437 | 316SS | V/CA/CE |
| QS-6260E | G | 1.811 | 1.062 | 1TC | 1.875 | 0.437 | 316SS | E/CA/TC |
| QS-6261E | G | 1.811 | 1.062 | 1C | 1.875 | 0.437 | 316SS | E/CA/CE |
| QS-6264V | G | 1.811 | 1.062 | 1C | 1.875 | 0.437 | 316SS | V/CA/CE |
| QS-6265V | G | 1.811 | 1.024 | 1SC | 1.875 | 0.437 | 316SS | V/SC/SC |
| QS-6266 | G | 1.811 | 1.062 | 1SC | 1.875 | 0.437 | 316SS | B/CA/SC |
| QS-7972 | G | 1.811 | 1.062 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-815 | J | 1.960 | 1.187 | 1C | 2.000 | 0.375 | | B/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|---------|-------------|-------------|-------|-------------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-169 | K | 1.937 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-169SSP | K | 1.937 | 1.406 | --- | --- | --- | | B/CA/--- |
| QS-176 | K | 1.937 | 1.406 | 1C/1C | 1.875/2.000 | 0.297/0.297 | | B/CA/CE |
| QS-228 | K | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-228V | K | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-228V | K | 1.937 | 1.625 | 1SS | 1.875 | 0.437 | | V/CA/SS |
| QS-228V-HC | K | 1.937 | 1.625 | 3SS | 1.875 | 0.437 | HC | V/CA/SS |
| QS-883 | K | 1.937 | 1.750 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-883V | K | 1.937 | 1.750 | 1C | 1.875 | 0.437 | | V/CA/CE |
| QS-890 | K | 1.937 | 1.875 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-1118 | K | 1.937 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-1623 | K | 1.937 | 2.000 | 1CS/SS | 2.125 | 0.375 | | B/CA/CE/SS |
| QS-2590A | K | 1.937 | 1.875 | 51/2BR | 2.125 PLATE | 0.437 | | B/CA/PLT |
| QS-3184 | K | 1.937 | 1.875 | 3C | 2.000 | 0.375 | | B/CA/CE |
| QS-3977A | K | 1.937 | 1.625 | 2SS | 2.250 | 0.437 | | B/CA/SS |
| QS-4179V | K | 1.923 | 1.734 | 3SC | 1.875 | 0.437 | | V/SC/SC |
| QS-4282 | K | 1.937 | 1.625 | 1SC 1CE | 1.875 | 0.437 | | B/CA/SC/SC /CE |
| QS-4305 | K | 1.937 | 1.875 | 1SC | 1.875 | 0.437 | | B/SC/SC |
| QS-4406A | K | 1.750 | 2.500 | 3SS | 1.906 | 0.437 | | B/CA/SS |
| QS-4406AV | K | 1.750 | 2.500 | 3SS | 1.906 | 0.437 | | V/CA/SS |
| QS-4675A | K | 1.937 | 2.500 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-6229 | K | 1.937 | 1.625 | 3C | 1.875 | 0.437 | 316SS | B/CA/CE |
| QS-7323 | K | 1.937 | 1.750 | 1TC 1CE | 1.875 | 0.437 | | B/CA/TC/TC /CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-2520AN | L-1 | 2.218 | 1.625 | --- | --- | --- | | N/SS/--- |
| QS-2570AN | L-1 | 2.000 | NO SPRING | 1CA | 2.078 | 0.406 | | N/SS/CA |
| | | | | | | | | |
| | | | | | | | | |
| QS-2485AN | L-2 | 1.875 | 1.750 | --- | --- | --- | | N/CA/--- |
| QS-7925AN | L-2 | 1.875 | 2.500 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-426 | R | 2.000 | 1.875 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-3229V TCSC | R | 2.000 | 1.875 | 3SC | 1.875 | 0.437 | ++ | V/TC/SC |
| QS-RO-070 | RO | --- | --- | 25 | 1.875 | --- | | V/TC/CA |
| | | | | | | | | |
| | | | | | | | | |
| QS-794 | S | 2.296 | 2.218 | 8 | 2.215 | 0.281 | | NBR/SS |
| QS-3923AN | S | 2.250 | 2.000 | 8SS | 2.125 | 0.281 | | N/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------------------------|---------|-------|-------------------|---------------|
| 1.250 (1-1/4") (continued) | | | | | | | | |
| QS-308N | T | 1.812 | 2.375 | 3SS | 1.875 | 0.437 | | N/CA/SS |
| QS-1187 | T | 1.812 | 2.375 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-2211 | T | 1.812 | 2.375 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-2494A | T | 1.812 | 1.625 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-3084N | T | 1.812 | 2.375 | 3TC | 1.875 | 0.437 | | N/BR/TC |
| QS-3607 | T | 1.812 | 2.375 | 3SS | 1.875 | 0.437 | | N/BR/SS |
| QS-4197 HC | T | 1.812 | 2.375 | 3SS | 1.875 | 0.437 | HC | N/CA/SS |
| QS-4377 | T | 1.812 | 1.937 | 3SS | 2.000 | 0.312 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-394 | U | 1.750 | 1.625 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-394V | U | 1.750 | 1.625 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-681 | U | 1.750 | 2.406 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-3973 | U | 1.750 | 1.625 | 2SS | 1.875 | 0.437 | | B/CA/SS |
| QS-4385 | U | 1.750 | 1.625 | 2SS | 1.875 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-9719 | T9 | 1.875 | 1.063 | 3SS | 1.875 | 0.437 | 316SS | CA/SS |
| QS-3611 | T9T | 1.687 | 1.000 | 2STE | 1.875 | 0.359 | 316SS | CA/STE |
| QS-9003 | T9T | 1.687 | 1.000 | 2SS | 2.343 | 0.375 | 316SS | CA/SS |
| QS-9659 | T9T | 1.687 | 1.000 | 2SC | 1.875 | 0.375 | 316SS | CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-8073V | T8-1 | 1.875 | 1.062 | 28SS | 2.832 | 0.665 | 316SS | V/CA/SS |
| QS-8095V | T8B2 | 2.000 | 1.000 | 27SC | 2.606 | 0.960 | 316SS | V/CA/SC |
| QS-P75202V | T8B2 | 2.000 | 1.000 | 27 | 2.000 | --- | 316SS | CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-2532AV | Z | 2.250 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA |
| QS-2533AV | Z | 2.250 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA |
| QS-2538A | Z | 2.250 | 0.750 | SEAT UNITIZED WITH SEAL | | | | B/CA |
| | | | | | | | | |
| | | | | | | | | |
| QS-880SP | 880 | 1.825 | 1.335 | 3TC- 25COTS | 1.875 | 0.437 | PIN DRIVE DISC | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| 1.260 (32MM) SHAFT | | | | | | | | |
| QS-3150V | G | 1.811 | 1.024 | 1SC | 1.890 | 0.276 | 316SS | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| 1.300 (33MM) SHAFT | | | | | | | | |
| QS-1430U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1430L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.312 (1-5/16") SHAFT | | | | | | | | |
| QS-2503AN | C | 2.062 | 1.000 | 3SS | 1.875 | 0.344 | | N/CA/SS |
| QS-2610AN | C | 2.062 | 1.500 | --- | --- | --- | | N/CA/--- |
| QS-2615AN | C | 2.062 | 1.750 | 2SS | 2.000 | 0.437 | | N/CA/SS |
| QS-6680AN | C | 2.062 | 1.062 | 2SS | 2.062 | 0.375 | | N/CA/SS |
| QS-9500AN | C | 2.062 | 2.000 | 2SS | 2.062 | 0.437 | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-6600AN | L-1 | 2.062 | 1.675 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-8592V CATC | T8-1 | 1.942 | 1.125 | 3TC | 1.937 | 0.437 | 316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| 1.375 (1-3/8") SHAFT | | | | | | | | |
| QS-60-52 | C | 2.062 | 1.125 | 1C | 2.250 | 0.437 | | B/CA/CE |
| QS-172 | C | 2.062 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-172-HC | C | 2.062 | 1.125 | --- | --- | --- | HC | B/CA/--- |
| QS-172-E-HC | C | 2.062 | 1.125 | --- | --- | --- | HC | E/CA/--- |
| QS-172V | C | 2.062 | 1.125 | --- | --- | --- | | V/CA/--- |
| QS-172V-SC | C | 2.062 | 1.125 | --- | --- | --- | | V/SC/--- |
| QS-177 | C | 2.062 | 1.125 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-177-E | C | 2.062 | 1.125 | 1C | 2.000 | 0.437 | | E/CA/CE |
| QS-177-HC | C | 2.062 | 1.125 | 1C | 2.000 | 0.437 | HC | B/CA/CE |
| QS-177-SC-TC | C | 2.062 | 1.125 | 1TC | 2.000 | 0.437 | | B/SC/TC |
| QS-177V | C | 2.062 | 1.125 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-177V-HC | C | 2.062 | 1.125 | 3C | 2.000 | 0.437 | HC | V/CA/CE/CE |
| QS-177V-SC-SC | C | 2.062 | 1.125 | 1SC | 2.000 | 0.437 | | V/SC/SC |
| QS-177V-SC-SEAT | C | 2.062 | 1.125 | 1SC | 2.000 | 0.437 | | V/CA/SC |
| QS-177V TCTC | C | 2.062 | 1.125 | 1TC | 2.000 | 0.437 | | V/TC/TC |
| QS-210 | C | 2.062 | 1.125 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-210-E | C | 2.062 | 1.125 | 3SS | 2.000 | 0.437 | | E/CA/SS |
| QS-210-E-CASC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | E/CA/SC |
| QS-210-E-CASC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | E/CA/SC |
| QS-210-E-HC TC | C | 2.062 | 1.125 | 3TC | 2.000 | 0.437 | HC | E/CA/TC |
| QS-210-E-HC-SC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | HC | E/CA/SC |
| QS-210V | C | 2.062 | 1.125 | 3SS | 2.000 | 0.437 | ++ | V/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|-------|---------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-210V-HC | C | 2.062 | 1.125 | 3 | 2.000 | 0.437 | HC | V/CA/SS |
| QS-210V-SCSC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | ++ | V/SC/SC |
| QS-210V-SC-SEAT | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | V/CA/SC |
| QS-210V-SC-TC | C | 2.062 | 1.125 | 3TC | 2.000 | 0.437 | ++ | V/SC/TC |
| QS-210V-TC-TC | C | 2.062 | 1.125 | 1TC | 2.000 | 0.437 | | V/TC/TC |
| QS-210V CATC | C | 2.062 | 1.125 | 3TC | 2.000 | 0.437 | ++ | V/CA/TC |
| QS-210V TCSC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | ++ | V/TC/SC |
| QS-467 | C | 2.062 | 1.187 | 2SS | 2.125 | 0.437 | | B/CA/SS |
| QS-547 | C | 2.062 | 1.125 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-547-HC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | HC | B/CA/SC |
| QS-547-SC-SC | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | B/SC/SC |
| QS-805 | C | 2.062 | 1.125 | 3C | 2.000 | 0.437 | | B/CA/SS |
| QS-805-HC | C | 2.062 | 1.125 | 3SS | 2.000 | 0.437 | HC | B/CA/SS |
| QS-919 | C | 2.062 | 1.125 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-929 | C | 2.062 | 0.900 | 25CE | 2.000 | 0.500 | | B/CA/CE |
| QS-1062V | C | 2.062 | 1.156 | 3SS | 2.125 | 0.406 | | V/CA/SS |
| QS-1667 | C | 2.062 | 1.687 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-1667E | C | 2.062 | 1.687 | 1SS | 2.000 | 0.437 | | E/CA/SS |
| QS-1667V | C | 2.062 | 1.687 | 1SS | 2.000 | 0.437 | | V/CA/SS |
| QS-2134 | C | 2.062 | 1.687 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-2134-HC | C | 2.062 | 1.687 | 1C | 2.000 | 0.437 | HC | B/CA/CE |
| QS-2134V-HC | C | 2.062 | 1.687 | 1C | 2.000 | 0.437 | HC | V/CA/CE |
| QS-2647A | C | 2.062 | 1.125 | 3SS | 3.543 | 0.437 | | A/CA/SS |
| QS-2650AN | C | 2.062 | 1.500 | 51 | 2.750 | PLT | | N/CA/PLT |
| QS-2680A | C | 2.062 | 1.125 | 3SS | 3.543 | 0.687 | | B/CA/SS |
| QS-2707A | C | 2.062 | 1.125 | 3SS | 3.543 | 0.687 | | A/CA/SS |
| QS-2710AN | C | 2.062 | 1.125 | --- | --- | --- | | N/CA/--- |
| QS-2713AN | C | 2.062 | 1.125 | --- | --- | --- | | N/CA/--- |
| QS-2720AN | C | 2.062 | 1.187 | 2SS | 2.125 | 0.375 | | N/CA/SS |
| QS-2745A | C | 2.062 | 1.187 | 1C | 1.937 | 0.375 | | B/CA/CE |
| QS-2756A | C | 2.062 | 0.900 | --- | --- | --- | | B/CA/--- |
| QS-3038 | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | E/SC/SC |
| QS-3213V | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | V/CA/SC |
| QS-3230-E | C | 2.062 | 1.125 | 1C | 2.000 | 0.437 | | E/CA/CE |
| QS-3584V | C | 2.062 | 0.906 | 3 Special | 2.000 | 0.437 | | V/CA/SS |
| QS-3689 | C | 2.062 | 1.187 | 1TC | 2.000 | 0.437 | | E/CA/TC |
| QS-3730 | C | 2.062 | 1.125 | --- | --- | --- | | |
| QS-4040A | C | 2.062 | 0.900 | 3SS | 2.000 | 0.692 | | B/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-------|-------|------------|------|---------|-------|-------|--------------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-4040AV | C | 2.062 | 0.900 | 3SS | 2.000 | 0.692 | | V/CA/SS |
| QS-4044 | C | 2.062 | 1.187 | 1C | 2.125 | 0.375 | | B/CA/CE |
| QS-4057 | C | 2.062 | 1.125 | 3SS | 2.125 | 0.437 | | E/CA/SS |
| QS-4057V | C | 2.062 | 1.125 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-4238 | C | 2.062 | 1.125 | 3SC | 2.000 | 0.437 | | E/SC/SC |
| QS-4238E | C | 2.062 | 1.125 | 1SS | 2.125 | 0.437 | | E/CA/SS |
| QS-4328V | C | 2.062 | 1.125 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-4575V | C | 2.062 | 1.500 | 1SC | 2.000 | 0.437 | LC | V/TC/SC |
| QS-5003N | C | 1.933 | 1.250 | 2SS | 2.125 | 0.375 | 316SS | N/CA/SS |
| QS-5074 | C | 1.886 | 0.850 | 3SS | 2.000 | 0.250 | | B/CA/SS |
| QS-5676 | C | 1.937 | 0.925 | 2C | 2.187 | 0.375 | 316SS | B/CA/CE |
| QS-5676V | C | 1.937 | 0.925 | 2C | 2.187 | 0.375 | 316SS | V/CA/CE |
| QS-5711 | C | 1.937 | 0.925 | 2SS | 2.187 | 0.375 | 316SS | B/CA/SS |
| QS-6180V | C | 2.046 | 0.850 | 3SS | 2.000 | 0.250 | | V/CA/SS |
| QS-6775V | C | 2.062 | 1.125 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-7199 | C | 2.062 | 1.187 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-7919 | C | 2.062 | 1.125 | 3SS | 2.000 | 0.437 | | E/CA/SS |
| QS-8160A | C | 2.062 | 1.187 | 2SS | 2.062 | 0.437 | | B/CA/SS |
| QS-70081 | C | 2.062 | 1.125 | 1SS | 2.832 | 0.437 | | B/CA/SS |
| QSM-2976V | C-DBL | 2.062 | 1.625 | G60 | 58MM | --- | | V/SC/SC V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-2704V | CB | 2.062 | 1.437 | 3TC | 1.875 | 0.437 | ++ | V/CA/TC |
| QS-3587 | CB | 2.062 | 1.437 | 3TC | 1.875 | 0.437 | ++ | B/CA/TC |
| QS-4119V | CB | 2.062 | 1.437 | 3SS | 1.875 | 0.437 | ++ | V/CA/SS |
| QS-7695V | CB | 2.062 | 1.437 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-7696E | CB | 2.062 | 1.437 | 1C | 1.875 | 0.437 | | E/CA/CE |
| QS-7697 | CB | 2.062 | 1.437 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-7697V CA/TC | CB | 2.062 | 1.437 | 3TC | 1.875 | 0.437 | | V/CA/TC |
| QS-7795 | CB | 2.062 | 1.437 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-4268A | CB | 2.062 | 1.437 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-186 | D | 2.187 | 1.125 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-186E CASC | D | 2.187 | 1.125 | 1SC | 2.000 | 0.437 | | E/CA/SC |
| QS-186V | D | 2.187 | 1.125 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| QS-186V CATC | D | 2.187 | 1.125 | 3TC | 2.000 | 0.437 | | V/CA/TC |
| QS-376 | D | 2.187 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-376-E-HC | D | 2.187 | 1.125 | --- | --- | --- | HC | E/CA/--- |
| QS-376V | D | 2.187 | 1.125 | --- | --- | --- | | V/CA/--- |
| QS-404 | D | 2.187 | 1.093 | 25C | 2.000 | 0.500 | | B/CA/CE |

NOTE: LC - LOCK COLLAR
HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|---------------|---------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-404-T2 | D | 2.187 | 1.093 | 2SS | 2.000 | 0.500 | SQ-CUT GASKET | B/CA/SS |
| QS-491 | D | 2.187 | 1.125 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-491-E | D | 2.187 | 1.125 | 1C | 2.000 | 0.437 | | E/CA/CE |
| QS-491-HC | D | 2.187 | 1.125 | 1C | 2.000 | 0.437 | HC | B/CA/CE |
| QS-491V-3 | D | 2.187 | 1.125 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-491V | D | 2.187 | 1.125 | 1C | 2.000 | 0.437 | | V/CA/CE |
| QS-491V-HC | D | 2.187 | 1.125 | 1C | 2.000 | 0.437 | HC | V/CA/CE |
| QS-806 | D | 2.187 | 1.125 | 3SS | 2.000 | 0.437 | | B/CA/CE |
| QS-807 | D | 2.187 | 1.125 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-1132 | D | 2.187 | 1.093 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-2045 | D | 2.187 | 1.125 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-2046 | D | 2.187 | 1.125 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2047 | D | 2.187 | 1.125 | 3C | 2.000 | 0.437 | | B/CA/CE |
| QS-2047V | D | 2.187 | 1.125 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-2048 | D | 2.187 | 1.125 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2772AV | D | 2.187 | 0.800 | 3SS | 2.687 | 0.380 | | V/CA/SS |
| QS-3216V | D | 2.250 | 1.125 | 3 Special | 2.000 | 0.437 | 316SS | V/CA/CE |
| QS-3932 | D | 2.250 | 1.125 | 1TC | 2.000 | 0.437 | | B/CA/TC |
| QS-4117 | D | 2.187 | 1.125 | 1TC | 2.000 | 0.437 | | B/CA/TC |
| QS-4123V | D | 2.187 | 1.125 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| QS-4194V | D | 2.187 | 1.125 | 1SC | 2.000 | 0.437 | | V/SC/SC |
| QS-6048V | D | 2.250 | 1.006 | 3SS | 2.000 | 0.218 | | V/CA/SS |
| QS-7803 | D | 2.250 | 1.125 | 1TC | 2.000 | 0.437 | | E/CA/TC |
| QS-376-E | D | 2.187 | 1.125 | --- | --- | --- | | E/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3974 | DB | 2.250 | 1.437 | 1C | 1.875 | 0.437 | | B/CA/CE |
| QS-3974V | DB | 2.250 | 1.437 | 1C | 1.875 | 0.437 | | V/CA/CE |
| QS-4200 | DB | 2.250 | 1.437 | 1TC | 1.875 | 0.437 | | B/CA/TC |
| QS-7798 | DB | 2.250 | 1.437 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-257 | E | 1.875 | 1.187 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-257E-SC-SC | E | 1.875 | 1.187 | 1SC | 2.000 | 0.437 | | E/SC/SC |
| QS-257V | E | 1.875 | 1.187 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| QS-354 | E | 1.875 | 1.687 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-354-E-HC SC | E | 1.875 | 1.687 | 1SC | 2.000 | 0.437 | HC | E/CA/SC |
| QS-354-HC | E | 1.875 | 1.687 | 1SS | 2.000 | 0.437 | HC | B/CA/CE |
| QS-354V | E | 1.875 | 1.687 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-354V-HC | E | 1.875 | 1.687 | 3C | 2.000 | 0.437 | HC | V/CA/CE |
| QS-677 | E | 1.875 | 1.687 | 1SS | 2.000 | 0.437 | | B/CA/SS |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-677-TC-TC | E | 1.875 | 1.687 | 1TC | 2.000 | 0.437 | | B/TC/TC |
| QS-677V | E | 1.875 | 1.687 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| QS-808 | E | 1.875 | 1.687 | 3C | 2.000 | 0.437 | | B/CA/CE |
| QS-809 | E | 1.875 | 1.687 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-864 | E | 1.875 | 2.000 | 3C | 2.000 | 0.437 | | B/CA/CE |
| QS-865 | E | 1.875 | 2.000 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-865-HC | E | 1.875 | 1.687 | 3SS | 2.000 | 0.437 | HC | B/CA/SS |
| QS-865-CASC | E | 1.875 | 1.687 | 3SC | 2.000 | 0.437 | | B/CA/SC |
| QS-865V-SC-SC | E | 1.875 | 1.687 | 3SC | 2.000 | 0.437 | | V/SC/SC |
| QS-865V-SC-TC | E | 1.875 | 1.687 | 3TC | 2.000 | 0.437 | | V/SC/TC |
| QS-865V-TC-SC | E | 1.875 | 1.687 | 3SC | 2.000 | 0.437 | | V/TC/SC |
| QS-2049 | E | 1.875 | 1.687 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-2050 | E | 1.875 | 1.687 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2104 | E | 1.875 | 1.687 | --- | --- | --- | | B/CA/--- |
| QS-2104V | E | 1.875 | 1.687 | --- | --- | --- | | V/CA/--- |
| QS-2657A | E | 1.875 | 1.187 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2775A | E | 1.875 | 1.687 | 2SS | 2.000 | 0.437 | | B/CA/SS |
| QS-3087V | E | 1.875 | 1.687 | 3TC | 2.125 | 0.437 | | V/CA/TC |
| QS-3205V | E | 1.875 | 2.031 | 3SC | 2.000 | 0.437 | | V/CA/SC |
| QS-3218 | E | 1.875 | 2.031 | 3C | 2.000 | 0.437 | LC/++ | B/CA/CE |
| QS-3783V | E | 1.875 | 1.625 | 3SC | 2.125 | 0.437 | | V/CA/SC |
| QS-3787V | E | 1.875 | 1.687 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-3792V | E | 1.687 | 1.625 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-3901V | E | 1.875 | 2.031 | 3C | 2.000 | 0.437 | | V/CE/CE |
| QS-3925V | E | 1.875 | 1.687 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-3984V | E | 1.875 | 1.687 | 3SC | 2.125 | 0.437 | | V/CA/SC |
| QS-4087 | E | 1.875 | 2.031 | --- | --- | --- | 316SS | V/CA/--- |
| QS-4119AN | E | 1.875 | 2.375 | 52 | --- | PLT | | N/CA/--- |
| QS-4163 | E | 1.875 | 2.031 | --- | --- | --- | 316SS | E/CA/--- |
| QS-4277V | E | 1.875 | 2.031 | 3SC | 2.000 | 0.437 | LC | V/SC/SC |
| QS-4384AF | E | 1.875 | 2.031 | 3SC | 2.000 | 0.437 | | AF/SC/SC |
| QS-4433AF | E | 2.000 | 2.031 | 3SC | 2.000 | 0.437 | | AF/TC/SC |
| QS-4566 | E | 1.875 | 2.031 | 3C | 2.000 | 0.437 | | E/CA/CE |
| QS-4574V | E | 1.875 | 2.031 | 3TC | 2.000 | 0.437 | | V/CA/TC |
| QS-6830A | E | 1.875 | 1.687 | 1C | 2.000 | 0.375 | | B/CA/CE |
| QS-9957A | E | 1.875 | 1.187 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-9957AV | E | 1.875 | 1.187 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| QS-354E | E | 1.875 | 1.687 | --- | --- | --- | | B/CA/--- |
| QS-2104V | E | 1.875 | 1.687 | --- | --- | --- | | V/CA/--- |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|--------|-------|------------|--------|-------------|-------|-------|--------------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-4087V | E | 1.875 | 2.031 | --- | --- | --- | | V/CA/--- |
| QS-4163E | E | 1.875 | 2.031 | --- | --- | --- | | E/CA/--- |
| | | | | | | | | |
| QS-3954 | EB | 1.875 | 2.000 | 1SS | 1.875 | 0.437 | | B/CA/SS |
| QS-7702 | EB | 1.875 | 2.000 | 3C | 1.875 | 0.437 | | B/CA/CE |
| QS-3991 | EB | 1.875 | 2.000 | 3SS | 1.875 | 0.437 | | B/CA/SS |
| QS-3991V | EB | 1.875 | 2.000 | 3C | 1.875 | 0.437 | | V/CA/CE |
| QS-4170 | EB | 1.875 | 2.000 | 3SS | 1.875 | 0.437 | ++ | B/CA/SS |
| QS-4145 | EB | 1.875 | 2.000 | 3TC | 1.875 | 0.437 | | B/CA/TC |
| QS-3799E | EB | 1.875 | 2.000 | 3TC | 1.875 | 0.437 | | E/CA/TC |
| QS-4420V | EB | 1.875 | 2.000 | 3SS | 1.875 | 0.437 | | V/CA/SS |
| QS-3769V | EB | 1.875 | 2.000 | 3TC | 1.875 | 0.437 | | V/CA/TC |
| | | | | | | | | |
| QS-3014 | G | 1.929 | 1.024 | 1TC | 2.000 | 0.437 | 316SS | B/SC/TC |
| QS-3015V | G | 1.929 | 1.024 | 25SC | 2.000 | 0.437 | 316SS | V/SC/SC |
| QS-3086 | G | 1.929 | 1.024 | 3SC | 2.000 | 0.437 | 316SS | E/CA/SC |
| QS-7971 | G | 1.929 | 1.024 | 1C | 2.000 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-291 | J | 2.125 | 1.187 | 1C | 2.125 | 0.375 | | B/CA/CE |
| | | | | | | | | |
| QS-209 | K | 2.062 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-495 | K | 2.062 | 1.625 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-495E | K | 2.062 | 1.625 | 1C | 2.000 | 0.437 | | E/CA/CE |
| QS-540 | K | 2.062 | 1.625 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2640AN | K | 2.062 | 1.375 | 3SS | --- | PLT | | N/CA/PLT/S S |
| QS-2645A | K | 2.062 | 2.000 | 51 | --- | PLT | | B/CA/PLT |
| QS-2665A | K | 2.062 | 2.250 | --- | --- | --- | | B/CA/--- |
| QS-2695A | K | 2.062 | 1.625 | 1C/3SS | 2.000/2.125 | 0.375 | | B/CA/CE/CA/ SS |
| QS-2706A | K | 2.062 | 2.000 | 3SS | 2.125 | 0.468 | | B/CA/SS |
| QS-2730AN | K | 2.062 | 2.000 | --- | --- | --- | | N/CA/--- |
| QS-2760AN | K | 2.062 | 1.950 | --- | --- | --- | | N/CA/--- |
| QS-3117V | K | 2.062 | 1.625 | 1C | 2.000 | 0.437 | | V/CA/CE |
| QS-3196V | K | 2.062 | 1.625 | 3C | 2.000 | 0.437 | | V/CA/CE |
| QS-3935A | K | 2.062 | 2.500 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-4851A | K | 2.062 | 2.000 | 3SS | 2.250 | 0.500 | | B/CA/SS |
| QS-2924V | 43-DBL | 2.062 | 1.625 | G60 | --- | --- | | V/SC/SC V/CA/CE |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------------|---------|-------|-------|---------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-2760AN | L-1 | 2.000 | 1.750 | --- | --- | --- | | N/CA/--- |
| QS-2725AN | L-1 | 2.062 | 0.900 | --- | --- | --- | | N/CA/--- |
| QS-8155AN | L-1 | 2.000 | 1.675 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-2670AN | L-2 | 2.000 | 2.500 | 2BR | 2.406 | 0.437 | | N/CA/BR |
| QS-2675AN | L-2 | 1.875 | 1.125 | 2BR | 2.031 | 0.406 | | N/CA/BR |
| QS-4793A | L-2 | 1.938 | 2.250 | 25CA | 2.143 | 0.733 | | B/SS/CA |
| | | | | | | | | |
| QS-3854 | Q | 2.515 | 0.625 | 25BR | 2.000 | 0.281 | | B/CA/BR |
| QS-6317 | Q | 3.241 | 0.908 | 9BR | 2.000 | 0.281 | | V/CA/SS |
| | | | | | | | | |
| QS-178 | R | 2.187 | 2.187 | 1C | 2.000 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-11451-2 | SP | 1.875 | --- | 2SS | 2.125 | --- | | B/CA/SS |
| | | | | | | | | |
| QS-690 | T | 1.875 | 2.437 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-725 | T | 1.875 | 2.437 | 1C | 2.000 | 0.437 | | B/CA/CE |
| QS-725V | T | 1.875 | 2.437 | 1C | 2.000 | 0.437 | | V/CA/CE |
| QS-726 | T | 1.875 | 2.437 | 1SS | 2.000 | 0.437 | | B/CA/SS |
| QS-2635AN | T | 1.875 | 1.687 | --- | --- | --- | | N/CA/--- |
| QS-3541 | T | 1.875 | 2.437 | 3TC | 2.000 | 0.437 | ++ | V/TC/TC |
| QS-4456 | T | 1.875 | 2.437 | 1C | 2.000 | 0.437 | | V/CA/CE |
| QS-4515 | T | 1.875 | 2.687 | 3C | 2.000 | 0.437 | ++ | V/CA/CE |
| QS-4206 | T | 1.875 | 2.812 | 3C | 2.000 | 0.437 | ++ | V/CA/CE |
| | | | | | | | | |
| QS-561 | U | 1.875 | 2.125 | 2SS | 2.000 | 0.437 | | B/CA/SS |
| QS-561V | U | 1.875 | 2.125 | 3SS | 2.000 | 0.437 | | V/CA/SS |
| | | | | | | | | |
| QS-1104 | V | SPEC* | 2.812 | 25C | 2.140 | 0.437 | | B/CA/CE |
| QS-3198 | V | 1.937 | 2.000 | 3C | 2.140 | 0.406 | | B/CA/CE |
| | | | | | | | | |
| QS-1375 | T9 | 1.937 | 1.062 | --- | --- | --- | 316SS | TF/CA/--- |
| QS-9016 | T9 | 2.000 | 1.125 | 27 Special | 2.656 | 0.625 | 316SS | Special |
| QS-9317 | T9 | 2.000 | 1.125 | 2C | 2.000 | 0.437 | 316SS | E/CA/CE |
| QS-7103 | T9T | 1.937 | 1.062 | 27C | 2.375 | 1.000 | 316SS | CA/CE |
| QS-9150 | T9T | 1.937 | 1.062 | 3SS | 2.125 | 0.437 | 316SS | CA/SS |
| QS-9021 | T9T | 1.937 | 1.062 | 3C | 2.000 | 0.437 | 316SS | CA/CE |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-----------------|-------|------------|---------|---------|-------|-------|---------------|
| 1.375 (1-3/8") (continued) | | | | | | | | |
| QS-9706 | T9T | 1.937 | 1.062 | 3SS | 2.000 | 0.437 | 316SS | CA/SS |
| | | | | | | | | |
| QS-8135 | T8-1T | 1.937 | 1.062 | 3C | 2.000 | 0.437 | 316SS | E/CA/CE |
| QS-8048 | T8-1T | 1.937 | 1.062 | 3C | 2.125 | 0.437 | 316SS | V/CA/CE |
| QS-4134 | T8-1 Special | 3.500 | 0.701 | Special | 1.875 | 0.312 | 316SS | B/CA/SS |
| QS-8110 | T8B2 | 2.250 | 1.115 | 3C | 2.000 | 0.437 | 316SS | V/CA/CE |
| QS-81375 | T8B2 | 2.251 | 1.115 | 3C | 2.000 | 0.437 | 316SS | V/CA/CE |
| QS-81376 | T8B2 | 2.251 | 1.115 | 3SC | 2.000 | 0.437 | 316SS | V/CA/SC |
| | | | | | | | | |
| 1.406 SHAFT | | | | | | | | |
| QS-4685AN | C | 2.062 | 1.187 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| 1.437 (1-7/16") SHAFT | | | | | | | | |
| QS-2156 | C | 2.125 | 1.125 | 3SS | 2.250 | 0.625 | | B/CA/SS |
| QS-2156V | C | 2.125 | 1.125 | 3SS | 2.250 | 0.625 | | V/CA/SS |
| QS-2785A | C | 2.125 | 1.000 | 2SS | 2.187 | 0.312 | | B/CA/SS |
| QS-2785AV | C | 2.125 | 1.000 | 2SS | 2.187 | 0.312 | | V/CA/SS |
| QS-7105 | C | 2.125 | 1.250 | 3SS | 2.250 | 0.375 | | B/CA/SS |
| QS-7105V | C | 2.125 | 1.250 | 3SS | 2.250 | 0.375 | | V/CA/SS |
| QS-7367V | C | 2.125 | 1.125 | Special | 2.718 | 0.654 | | V/CA/SS |
| QS-8310A | C | 2.125 | 1.125 | 2SS | 2.187 | 0.500 | | B/CA/SS |
| QS-8310AV | C | 2.125 | 1.125 | 2SS | 2.187 | 0.500 | | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-4455V | D | 2.250 | 1.093 | 3SS | 2.062 | 0.437 | | V/CA/SS |
| QS-4545A | D | 2.312 | 1.000 | 1C | 2.062 | 0.437 | | B/CA/CE |
| QS-4925A | D | 2.312 | 1.000 | 3SS | 3.875 | 0.437 | | B/CA/SS |
| QS-4930A | D | 2.312 | 1.000 | 1C | 2.250 | 0.437 | | B/CA/CE |
| QS-4931A | D | 2.312 | 1.250 | 3SS | 2.250 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-334 | E | 1.937 | 1.625 | 2SS | 2.062 | 0.437 | | B/CA/SS |
| QS-705 | E | 1.937 | 1.688 | 3C | 2.062 | 0.437 | | B/CA/CE |
| QS-943 | E | 2.110 | 1.516 | 3SS | 2.312 | 0.360 | | N/CA/SS |
| QS-1634V | E | 1.937 | 1.250 | 3SS | 2.250 | 0.375 | | V/CA/SS |
| QS-1635 | E | 1.937 | 1.250 | 3SS | 2.250 | 0.375 | | B/CA/SS |
| QS-2234 | E | 1.937 | 1.688 | 3SS | 2.062 | 0.437 | | B/CA/SS |
| QS-2234V | E | 1.937 | 1.688 | 3SS | 2.062 | 0.437 | | V/CA/SS |
| QS-2790AN | E | 1.937 | 1.516 | 51 | 2.750 | PLT | | N/CA/PLT |
| QS-2810AN | E | 1.937 | 1.250 | --- | --- | --- | | N/CA/--- |
| QS-2811AN | E | 1.937 | 1.516 | 52 | --- | PLT | | N/CA/PLT |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------------|-------------|-------|------------|-----------------|---------|-------|-------|---------------|
| 1.437 (1-7/16") (continued) | | | | | | | | |
| QS-3080 | E | 2.110 | 1.516 | 3SS | 2.312 | 0.360 | | B/BR/SS |
| QS-3848 | E | 2.110 | 1.516 | 3SS | 2.312 | 0.360 | | B/CA/SS |
| QS-4067V | E | 1.937 | 1.688 | 3SS | 2.125 | 0.437 | | V/CA/SS |
| QS-4140V | E | 1.937 | 1.244 | 3SC | 2.375 | 0.531 | | V/CA/SC |
| QS-4189 | E | 1.937 | 1.219 | 3SS | 2.250 | 0.375 | | B/CA/SS |
| QS-4189V | E | 1.937 | 1.219 | 3SS | 2.250 | 0.375 | | V/CA/SS |
| QS-6075AN | E | 1.937 | 1.250 | 2SS | 2.250 | 0.312 | | N/CA/SS |
| QS-6338V | E | 2.110 | 1.516 | 3SS | 2.312 | 0.360 | | V/CA/SS |
| QS-6340 | E | 1.937 | 1.688 | 3SS | 2.171 | 0.437 | | B/CA/SS |
| QS-6342V | E | 1.937 | 1.688 | 3SS | 2.171 | 0.437 | | V/CA/SS |
| QS-6344N | E | 2.110 | 1.516 | 3SS | 2.312 | 0.360 | | N/CA/SS |
| QS-6055V | E | 1.937 | 1.688 | 28SS | 2.718 | 0.654 | | V/CA/SS |
| QS-7930AN | E | 1.937 | 1.516 | 51 | --- | PLT | | N/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| QS-862 | K | 2.125 | 1.750 | --- | --- | --- | | B/CA/--- |
| QS-2284AN | K | 2.125 | 2.125 | 3SS | 2.188 | 0.375 | | N/CA/SS |
| QS-2284AV | K | 2.125 | 2.125 | 3SS | 2.188 | 0.375 | | V/CA/SS |
| QS-6890A | K | 2.125 | 1.750 | 2SS | 2.375 | 0.437 | | B/CA/SS |
| QS-8620AN | K | 2.125 | 1.750 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-2780AN | L-2 | 2.062 | 2.250 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-4400V | R | 2.250 | 1.625 | 3SS | 2.062 | 0.437 | | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-1633N | T9 | 1.937 | 1.125 | 3SS | 2.187 | 0.375 | 316SS | N/CA/SS |
| QS-9227 | T9 | 2.062 | 1.125 | 2SS | 2.312 | 0.421 | 316SS | CA/SS |
| QS-9302 | T9 | 2.062 | 1.125 | 3SS | 2.250 | 0.625 | 316SS | CA/SS |
| QS-9304 | T9 | 2.062 | 1.125 | 27SS | 2.687 | 0.625 | 316SS | CA/SS |
| QS-9307 | T9 | 2.062 | 1.125 | 2STE | 2.312 | 0.421 | 316SS | CA/STE |
| QS-9330 | T9 | 2.062 | 1.125 | Special | 2.484 | 0.675 | 316SS | CA/SS |
| QS-9331 | T9 | 2.062 | 1.125 | 28 | 2.687 | 0.625 | 316SS | Special |
| QS-9707 | T9 | 2.062 | 1.125 | 2 Special | 2.312 | 0.421 | 316SS | Special |
| QS-9717 | T9 | 2.062 | 1.125 | 27 | 2.687 | 0.625 | 316SS | Special |
| QS-9721 | T9 | 2.062 | 1.125 | 27SC | 2.687 | 0.625 | 316SS | CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-6056 | T8-1 | 2.062 | 1.125 | 27SS Special | 2.718 | 0.656 | 316SS | V/CA/SS |
| QS-8044 | T8-1 | 2.062 | 1.125 | 5TC | 2.125 | 0.437 | 316SS | V/CA/TC |
| QS-8131 | T8B Special | 2.125 | 1.125 | 27 Special | 2.687 | 0.625 | 316SS | V/CA/SS |
| QS-8111 | T8B2 | 2.187 | 1.000 | 3SS | 2.125 | 0.312 | 316SS | B/CA/SS |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.437 (1-7/16") (continued) | | | | | | | | |
| QS-8079 | T8B5 | 2.125 | 1.500 | 3 | 1.937 | 0.437 | 316SS | Special |
| | | | | | | | | |
| | | | | | | | | |
| 1.475 SHAFT | | | | | | | | |
| QS-5205AN | D | 2.312 | 2.375 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| 1.490 SHAFT | | | | | | | | |
| QS-2820AN | C | 2.187 | 3.000 | 2BR | 2.250 | 0.437 | | N/CA/BR |
| | | | | | | | | |
| | | | | | | | | |
| 1.500 (1-1/2") SHAFT | | | | | | | | |
| QS-111 | C | 2.187 | 1.687 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-192N | C | 2.187 | 1.437 | 3SS | 2.125 | 0.437 | | N/CA/SS |
| QS-247 | C | 2.187 | 1.125 | 1SS | 2.156 | 0.437 | * | B/CA/SS |
| QS-320 | C | 2.187 | 1.125 | 1C | 2.250 | 0.437 | | B/CA/CE |
| QS-347 | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | * | B/CA/CE |
| QS-347-HC | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | HC/* | B/CA/CE |
| QS-347V | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | * | V/CA/CE |
| QS-378 | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | * | B/CA/SS |
| QS-378V | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | * | V/CA/SS |
| QS-553 | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-553-E | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | | E/CA/SS |
| QS-553-SC-SC | C | 2.187 | 1.125 | 3SC | 2.125 | 0.437 | | B/SC/SC |
| QS-659 | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-659-CATC | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | | B/CA/TC |
| QS-659V | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | | V/CA/SS |
| QS-659V-HC | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | HC | V/CA/SS |
| QS-659V-TC-TC | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | | V/TC/TC |
| QS-682 | C | 2.187 | 1.125 | 1C | 2.156 | 0.437 | * | B/CA/CE |
| QS-758 | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-758-E | C | 2.187 | 1.125 | 3C | 2.125 | 0.437 | | E/CA/CE |
| QS-758-E-SC-SEAT | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | E/CA/SC |
| QS-758-HC | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | HC | B/CA/CE |
| QS-758-SC-SC | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | B/SC/SC |
| QS-758-CASC | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | B/CA/SC |
| QS-758-SC-TC | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | | B/SC/TC |
| QS-758V | C | 2.187 | 1.125 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-758V-HC | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | HC | V/CA/CE |
| QS-758V-SC-SC | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | V/SC/SC |

NOTE: HC - HARD CARBON
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-758V-CASC | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | V/CA/SC |
| QS-758V-TC-SC | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | V/TC/SC |
| QS-816 | C | 2.187 | 1.125 | 3C | 2.125 | 0.437 | ++ | B/CA/CE |
| QS-926 | C | 2.187 | 1.125 | 3C | 2.312 | 0.437 | | B/CA/CE |
| QS-1017AN | C | 2.187 | 1.687 | 52 | 3.062 | PLT | | N/CA/PLT |
| QS-1019AN | C | 2.187 | 1.125 | 51 | 3.500 | PLT | | N/CA/PLT |
| QS-1110 | C | 2.187 | 1.687 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-1110V | C | 2.187 | 1.687 | 3SS | 2.125 | 0.437 | | V/CA/SS |
| QS-1144V | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | | V/CA/SS |
| QS-1189 | C | 2.187 | 1.125 | 1C | 2.250 | 0.437 | | B/CA/CE |
| QS-1921AN | C | 2.187 | 1.687 | 51 | 2.875 | PLT | | N/CA/PLT |
| QS-19211AN | C | 2.187 | 1.687 | --- | --- | --- | | N/CA/--- |
| QS-2105 | C | 2.187 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-2105V | C | 2.187 | 1.125 | --- | --- | --- | | V/CA/--- |
| QS-2105V-TC | C | 2.187 | 1.125 | --- | --- | --- | | V/TC/--- |
| QS-2120AN | C | 2.187 | 1.687 | 2BR | 2.250 | 0.562 | | N/CA/BR |
| QS-2209 | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | | B/TC/TC |
| QS-2217 | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | | B/TC/TC |
| QS-2221 | C | 2.187 | 1.687 | 3SS | 2.125 | 0.437 | | E/CA/SS |
| QS-2223V | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | | V/CA/TC |
| QS-2223-CASC | C | 2.187 | 1.125 | 3SC | 2.125 | 0.437 | | V/CA/SC |
| QS-2232 HC | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | HC | B/CA/SS |
| QS-2705 | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-2714V | C | 2.187 | 1.687 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-2845A | C | 2.187 | 1.125 | 2SS | 2.125 | 0.406 | | B/CA/SS |
| QS-2851A | C | 2.187 | | 1C | 2.125 | 0.312 | * | B/CA/SS |
| QS-2870AN | C | 2.187 | 1.687 | 51 | 3.500 | PLT | | N/CA/PLT |
| QS-2890AN | C | 2.187 | 1.687 | 51 | 2.562 | PLT | | N/CA/PLT |
| QS-2895A | C | 2.187 | 1.000 | 1C | 2.156 | 0.437 | | B/CA/CE |
| QS-2909A | C | 2.187 | 0.875 | 3SS | 2.125 | 0.312 | | B/CA/SS |
| QS-2910AN | C | 2.187 | 1.125 | 2BR | 2.250 | 0.375 | | N/CA/BR |
| QS-2920AN | C | 2.187 | 1.687 | --- | --- | --- | | N/CA/--- |
| QS-2925AN | C | 2.187 | 2.125 | --- | --- | --- | | N/CA/--- |
| QS-2935AN | C | 2.187 | 1.125 | --- | --- | --- | | N/CA/--- |
| QS-3101 | C | 2.187 | 1.125 | 3SC | 2.125 | 0.437 | | B/SC/SC |
| QS-3141V HC | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | HC | V/CA/SS |
| QS-3160E HC | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | HC | E/CA/TC |
| QS-3165V HC | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | HC | V/CA/CE |
| QS-3166 | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | 316SS | B/TC/SC |
| QS-3174 | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-3224E | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | | E/CA/TC |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-3248E | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | | E/CA/TC |
| QS-3249N | C | 2.312 | 1.093 | 3SC | 2.125 | 0.437 | */++ | N/SC/SC |
| QS-3252V | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | 316SS | V/SC/SC |
| QS-3704V | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | 316SS | V/CA/TC |
| QS-3736V | C | 2.187 | 1.125 | 3SC | 2.125 | 0.437 | | V/SC/SC |
| QS-3813V | C | 2.312 | 1.093 | 1C | 2.125 | 0.437 | * | V/CA/CE |
| QS-3821A | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-3943V | C | 2.187 | 0.906 | 3 Special | 2.125 | 0.437 | | V/CA/SS |
| QS-3979 | C | 2.187 | 1.125 | Special | 2.740 | 0.875 | | B/CA/SS |
| QS-4171 HC | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | HC | E/CA/CE |
| QS-4212V HC | C | 2.187 | 1.125 | 3C | 2.125 | 0.437 | HC | V/CA/CE |
| QS-4438 | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | ++ | E/CA/TC |
| QS-4447V | C | 2.187 | 1.125 | 3TC | 2.125 | 0.437 | | V/SC/TC |
| QS-4482V | C | 2.312 | 1.093 | 1SS | 2.125 | 0.437 | | V/CA/SS |
| QS-5670AN | C | 2.187 | 1.687 | 52 | --- | PLT | | N/CA/PLT |
| QS-5720 | C | 2.062 | 1.125 | 2SS | 2.125 | 0.423 | | B/CA/SS |
| QS-5727V | C | 2.062 | 1.125 | 3SC | 2.125 | 0.437 | 316SS | V/SC/SC |
| QS-6170AN | C | 2.187 | 2.000 | 51 | 3.610 | PLT | | N/CA/PLT |
| QS-7131 | C | 2.187 | 1.125 | 3TC | 2.500 | 5.000 | | B/TC/TC |
| QS-7166 | C | 2.187 | 1.687 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-7201 | C | 2.187 | 1.687 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-7409V | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | 316SS | V/CA/CE |
| QS-7413E | C | 2.187 | 1.125 | 1SS | 2.125 | 0.437 | | E/CA/SS |
| QS-7632E HC | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | HC | E/CA/TC |
| QS-7674E HC | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | HC | B/CA/SS |
| QS-7694 | C | 2.187 | 1.125 | 1C | 2.156 | 0.437 | | B/CA/CE |
| QS-7747V HC | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | HC | V/CA/TC |
| QS-7792V | C | 2.187 | 1.125 | 1TC | 2.125 | 0.437 | | V/SC/TC |
| QS-7937E | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | V/SC/SC |
| QS-7953E HC | C | 2.187 | 1.125 | 1C | 2.125 | 0.437 | HC | E/CA/CE |
| QS-7953 CASC | C | 2.187 | 1.125 | 1SC | 2.125 | 0.437 | | E/CA/SC |
| QS-7975V | C | 2.187 | 1.125 | 3SS | 2.125 | 0.437 | ++ | V/CA/SS |
| QS-9918AN | C | 2.187 | 2.000 | --- | --- | --- | | N/CA/--- |
| QS-14122AN | C | 2.187 | 1.687 | 52 | --- | PLT | | N/CA/PLT |
| QS-2755E-HC | C | 2.187 | 1.125 | --- | --- | --- | HC | E/CA/--- |
| QS-10043V | C | 2.187 | 1.125 | --- | --- | --- | | V/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3880 | CB | 2.187 | 1.437 | 3C | 2.000 | 0.437 | | B/CA/CE |
| | | | | | | | | |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-----------|-------|------------|------|---------|-------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-2851AMP | SC | 2.062 | 0.700 | 3SC | 2.125 | 0.312 | | B/CA/SC |
| QS-283 | D | 2.312 | 1.125 | 1C | 2.156 | 0.437 | | B/CA/CE |
| QS-371 | D | 2.312 | 1.125 | 1SS | 1.125 | 0.437 | | B/CA/SS |
| QS-371-E | D | 2.312 | 1.125 | 1SS | 2.125 | 0.437 | | E/CA/SS |
| QS-371V | D | 2.312 | 1.125 | 1SS | 2.125 | 0.437 | | V/CA/SS |
| QS-371V-SC-SC | D | 2.312 | 1.125 | 3SC | 2.125 | 0.437 | | V/SC/SC |
| QS-382 | D | 2.312 | 1.125 | 1C | 1.125 | 0.437 | | B/CA/CE |
| QS-382-HC | D | 2.312 | 1.125 | 1C | 2.125 | 0.437 | HC | B/CA/CE |
| QS-534 | D | 2.312 | 1.125 | 3SS | 1.125 | 0.437 | | B/CA/SS |
| QS-599 | D | 2.312 | 1.000 | 3SS | 2.187 | 0.437 | | B/CA/SS |
| QS-817 | D | 2.312 | 1.125 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-939 | D | 2.312 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-1028A | D | 2.312 | 1.125 | 1SC | 2.375 | SP | | B/CA/SC |
| QS-2051 | D | 2.312 | 1.125 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-2052 | D | 2.312 | 1.125 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-2053 | D | 2.312 | 1.125 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-2054 | D | 2.312 | 1.125 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-2127 | D | 2.312 | 1.125 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-2940A | D | 2.312 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-3136 | D | 2.312 | 1.093 | 2SS | 2.125 | 0.500 | | B/CA/SS |
| QS-3642V | D | 2.312 | 1.125 | 1SC | 2.125 | 0.437 | | V/SC/SC |
| QS-4363 | D | 2.375 | 1.000 | 3SS | 2.187 | 0.437 | | B/CA/SS |
| QS-4365AF | D | 2.312 | 1.125 | 3TC | 2.125 | 0.437 | | AF/SC/TC |
| QS-4546 | D | 2.375 | 1.125 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-7079V | D | 2.375 | 1.125 | 28TC | 2.375 | 0.618 | | V/TC/TC |
| QS-7874 | D | 2.375 | 1.119 | 3SC | 2.125 | 0.443 | | B/SC/SC |
| QS-2752N-1 | D | 2.375 | 1.619 | --- | --- | --- | | N/SC/--- |
| QS-2754N-2 | D | 2.375 | 1.619 | --- | --- | --- | | N/CA/--- |
| QS-2706N | D Special | 2.375 | 1.689 | 3SC | 2.110 | 0.437 | | N/SC/SC |
| QS-4423AF | D Special | 2.375 | 1.094 | 3SC | 2.125 | 0.437 | | AF/SC/SC |
| QS-224N | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | N/CA/SS |
| QS-258 | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-258-HC | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | HC | B/CA/SS |
| QS-258-TC-SC | E | 2.000 | 1.688 | 3SC | 2.125 | 0.437 | | B/TC/SC |
| QS-258V-HC | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | HC | V/CA/SS |
| QS-259 | E | 2.000 | 1.187 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-259-E-CASC | E | 2.000 | 1.187 | 1SC | 2.125 | 0.437 | | E/CA/SC |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-305 | E | 2.000 | 1.688 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-305-E | E | 2.000 | 1.688 | 1C | 2.125 | 0.437 | | E/CA/CE |
| QS-305-E-HC | E | 2.000 | 1.688 | 1C | 2.125 | 0.437 | HC | E/CA/CE |
| QS-305-HC | E | 2.000 | 1.688 | 1C | 2.125 | 0.437 | HC | B/CA/CE |
| QS-305-SC-SC | E | 2.000 | 1.688 | 1SC | 2.125 | 0.437 | | B/SC/SC |
| QS-305V | E | 2.000 | 1.688 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-305V-HC | E | 2.000 | 1.688 | 3C | 2.125 | 0.437 | HC | V/CA/CE |
| QS-305V | E | 2.000 | 1.688 | 1C | 2.125 | 0.437 | | V/CA/CE |
| QS-305V-SC-SC | E | 2.000 | 1.688 | 1SC | 2.125 | 0.437 | | V/SC/SC |
| QS-305V-CATC | E | 2.000 | 1.688 | 1TC | 2.125 | 0.437 | | V/CA/TC |
| QS-305V TCTC | E | 2.000 | 1.688 | 1TC | 2.125 | 0.437 | | V/TC/TC |
| QS-314 | E | 2.000 | 1.688 | 3C | 2.000 | 0.437 | | B/CA/CE |
| QS-316 | E | 2.000 | 1.688 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-374 | E | 2.000 | 1.688 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-374-HC | E | 2.000 | 1.688 | 1SS | 2.125 | 0.437 | HC | B/CA/SS |
| QS-374V | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | V/CA/SS |
| QS-395 | E | 2.000 | 1.688 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-395-E | E | 2.000 | 1.688 | 3C | 2.125 | 0.437 | | E/CA/CE |
| QS-395V-CASC | E | 2.000 | 1.688 | 3SC | 2.125 | 0.437 | | V/CA/SC |
| QS-515 | E | 2.000 | 1.688 | 3C | 2.250 | 0.437 | | B/CA/CE |
| QS-515V | E | 2.000 | 1.688 | 3C | 2.250 | 0.437 | | V/CA/CE |
| QS-620 | E | 2.000 | 2.062 | 3C | 2.312 | 0.437 | | B/CA/CE |
| QS-620V | E | 2.000 | 2.062 | 3C | 2.312 | 0.437 | | V/CA/CE |
| QS-629 | E | 2.000 | 2.062 | 3SS | 2.312 | 0.437 | | B/CA/SS |
| QS-899 | E | 2.000 | 1.562 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-947 | E | 2.000 | 2.062 | 3C | 2.312 | 0.437 | | B/CA/CE |
| QS-950 | E | 2.000 | 2.062 | 3SS | 2.312 | 0.437 | | B/CA/SS |
| QS-1190 | E | 2.000 | 1.688 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-1191 | E | 2.000 | 1.688 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-1192 | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-1640 | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | | B/CA/TC |
| QS-1641 | E | 2.000 | 1.688 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-1642 | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-1643 | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | | B/CA/TC |
| QS-1644 | E | 2.000 | 1.688 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-1645 | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | B/CA/SS |
| QS-1646 | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | | V/CA/TC |
| QS-1647 | E | 2.000 | 1.688 | 3C | 2.312 | 0.437 | | B/CA/CE |
| QS-1648 | E | 2.000 | 1.688 | 3SS | 2.312 | 0.437 | | B/CA/SS |
| QS-1649 | E | 2.000 | 1.688 | 3C | 2.312 | 0.437 | | B/CA/CE |
| QS-1650 | E | 2.000 | 1.688 | 3SS | 2.312 | 0.437 | | B/CA/SS |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------|---------|-------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-1651 | E | 2.000 | 1.688 | 3C | 2.312 | 0.437 | | V/CA/CE |
| QS-1652 | E | 2.000 | 1.688 | 3SS | 2.312 | 0.437 | | V/CA/SS |
| QS-1671 | E | 2.000 | 1.688 | 3TC | 2.312 | 0.437 | | B/CA/TC |
| QS-1673 | E | 2.000 | 1.688 | 3TC | 2.312 | 0.437 | | B/CA/TC |
| QS-1690 | E | 2.000 | 2.062 | 3C | 2.312 | 0.437 | | B/CA/CE |
| QS-1691 | E | 2.000 | 2.062 | 3SS | 2.312 | 0.437 | | V/CA/SS |
| QS-1692 | E | 2.000 | 2.062 | 3TC | 2.312 | 0.437 | | V/CA/TC |
| QS-2106 | E | 2.000 | 1.688 | --- | --- | --- | | B/CA/--- |
| QS-2106-HC | E | 2.000 | 1.688 | --- | --- | --- | HC | B/CA/--- |
| QS-2106V | E | 2.000 | 1.688 | --- | --- | --- | | V/CA/--- |
| QS-2117 | E | 2.000 | 1.688 | 1C | 2.250 | 0.437 | | B/CA/CE |
| QS-2137 | E | 2.000 | 1.688 | 1SS | 2.156 | 0.437 | | B/CA/SS |
| QS-2837A | E | 2.000 | 1.187 | 3SC | 2.125 | 0.375 | | B/CA/SC |
| QS-4034 | E | 2.000 | 1.688 | 3TC | 2.312 | 0.437 | | B/CA/TC |
| QS-4167E HC | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | HC | E/CA/TC |
| QS-4201V | E | 2.000 | 1.688 | 3TC | 2.500 | 0.500 | | V/CA/TC |
| QS-4354 | E | 2.000 | 1.688 | 1TC | 2.125 | 0.437 | | B/TC/TC |
| QS-4368E HC | E | 2.000 | 1.688 | 5TC | 2.125 | 0.437 | HC | E/CA/TC |
| QS-4404 | E | 2.000 | 1.688 | 3TC | 2.312 | 0.437 | | V/SC/TC |
| QS-4407-E | E | 2.000 | 1.688 | 1SC | 2.125 | 0.437 | | E/SC/SC |
| QS-4459-E | E | 2.000 | 1.688 | 3SC | 2.125 | 0.437 | | E/SC/SC |
| QS-5259 | E | 2.000 | 1.688 | 3SS | 2.125 | 0.437 | | E/CA/SS |
| QS-6058 | E | 2.154 | 2.054 | PLATE | PLATE | PLATE | | N/CA/SS |
| QS-7491 TC/TC | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | | B/TC/TC |
| QS-7504E HC | E | 2.000 | 1.688 | 3SC | 2.125 | 0.437 | HC | E/CA/SC |
| QS-7562E HC | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | HC/++ | E/CA/TC |
| QS-7609E | E | 2.000 | 1.688 | 5SC | 2.125 | 0.437 | | E/TC/SC |
| QS-7889V HC | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | HC/++ | V/CA/TC |
| QS-7930E HC | E | 2.000 | 1.688 | 3TC | 2.125 | 0.437 | HC/LC | E/CA/TC |
| QS-7933E HC | E | 2.000 | 1.688 | 1TC | 2.125 | 0.437 | HC | E/CA/TC |
| QS-10167HC | E | 2.000 | 1.688 | --- | --- | --- | HC | E/CA/--- |
| QS-1500E-SS | E | 2.000 | 1.688 | 3SS | 2.375 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3615V HC | EB | 2.000 | 2.000 | 3TC | 2.000 | 0.437 | HC | V/CA/TC |
| QS-4088E HC | EB | 2.000 | 2.000 | 3C | 2.000 | 0.437 | HC | E/CA/CE |
| QS-4317 | EB | 2.000 | 2.000 | 3SS | 2.000 | 0.437 | | B/CA/SS |
| QS-4473 | EB | 2.000 | 2.000 | 3C | 2.000 | 0.437 | | B/CA/CE |
| QS-4476V | EB | 2.000 | 2.062 | 3C | 2.125 | 0.437 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-3992V | G | 2.125 | 1.181 | 1C | 2.125 | 0.437 | | V/CA/CE |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-------|-------|------------|-------|-------------|-----------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-3992 CASC | G | 2.125 | 1.181 | 1SC | 2.125 | 0.437 | | B/CA/SC |
| | | | | | | | | |
| QS-292 | J | 2.210 | 1.250 | 1C | 2.250 | 0.375 | | B/CA/CE |
| | | | | | | | | |
| QS-216 | K | 2.187 | 1.625 | --- | --- | --- | | B/CA/--- |
| QS-541 | K | 2.187 | 1.625 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-541V | K | 2.187 | 1.625 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-884 | K | 2.187 | 1.625 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-1624 | K | 2.187 | 2.125 | 3C/3S | 2.312 | 0.437 | | B/CA/CE/CA/SS |
| QS-2850AN | K | 2.187 | 2.000 | --- | --- | --- | | N/CA/--- |
| QS-2860AN | K | 2.187 | 1.687 | 51 | 2.250 | PLT | | N/CA/PLT |
| QS-2945A | K | 2.187 | 1.687 | 2SS | 2.250 | 0.312 | | B/CA/SS |
| QS-2955A | K | 2.187 | 2.000 | 3B/51 | PLT 2.312 | 0.562 | | B/CA/BR/PLT |
| QS-3128 | K | 2.187 | 1.875 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-3130 | K | 2.187 | 1.875 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| QS-3558 | K | 2.171 | 1.625 | 3C | 2.375 | 0.437 | | B/CA/CE |
| QS-3918A | K | 2.187 | 1.687 | 3TC1C | 2.187/2.125 | .812/.438 | | B/CA/TC/CA/CE |
| QS-3919A | K | 2.187 | 1.687 | 3SS | 2.125/2.000 | .447/.880 | | B/CA/SS |
| QS-3972V | K | 2.187 | 1.625 | 3SC | 2.500/2.125 | 0.437 | | V/SC/SC |
| QS-4070A | K | 2.187 | 1.812 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-2875AN | L-1 | 2.000 | 1.437 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-2930AN | L-2 | 2.125 | 1.875 | --- | --- | --- | | N/CA/--- |
| QS-4791A | L-2 | 2.062 | 1.437 | 3CA | 2.500 | 0.828 | | B/SS/CA |
| QS-MG12-3244 | MG-12 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| QS-9930A | M | 2.252 | 0.350 | 8SS | M.O.S. | 0.152 | | B/CA/SS |
| | | | | | | | | |
| QS-431 | R | 2.312 | 1.875 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-432 | R | 2.312 | 1.875 | 1SS | 2.125 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| QS-1500G | S | --- | --- | 8SS | SP | --- | | N/BR/SS |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-----------------|-------|------------|-------------------------|---------|-------|-------|---------------|
| 1.500 (1-1/2") (continued) | | | | | | | | |
| QS-691 | T | 2.000 | 2.437 | 1C | 2.125 | 0.437 | | B/CA/CE |
| QS-868 | T | 2.000 | 2.437 | 1C | 2.125 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-915 | U | 2.000 | 2.062 | 3C | 2.000 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| QS-7587 | T9 | 2.125 | 1.125 | 2C | 2.125 | 0.437 | 316SS | CA/CE |
| QS-9318 | T9 | 2.125 | 1.125 | 27C | 2.781 | 0.875 | 316SS | CA/CE |
| QS-9353 | T9 | 2.125 | 1.125 | 25TC | 2.125 | 0.437 | 316SS | CA/TC |
| QS-9713 | T9T Dbl. | 1.942 | 2.250 | 3C | 2.375 | 0.437 | 316SS | CA/CE |
| | | | | | | | | |
| QS-8002 | T8-1 Special | 2.312 | 0.937 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-8600E | T8-1 | 2.125 | 1.125 | 5TC | 2.133 | 0.437 | 316SS | E/CA/TC |
| QS-8109V | T8B2 | 2.250 | 1.000 | 3 Special | 2.125 | 0.437 | 316SS | V/CA/CE |
| QS-8210-8B2 | T8B2 | 2.250 | 1.000 | --- | --- | --- | 316SS | V/CA/--- |
| | | | | | | | | |
| QS-1943AV | Z | 2.500 | 0.850 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 1.531 SHAFT | | | | | | | | |
| QS-2960A | C | 2.187 | 0.875 | 2SS | 2.375 | 0.281 | | B/CA/SS |
| QS-2960EA | C | 2.187 | 0.875 | 2SS | 2.375 | 0.281 | | B/CA/SS |
| QS-4225AV | C | 2.187 | 0.875 | 2SS | 2.375 | 0.281 | | V/CA/SS |
| | | | | | | | | |
| QS-2957A | D | 2.312 | 1.125 | 51 | --- | PLT | | B/CA/PLT |
| | | | | | | | | |
| | | | | | | | | |
| 1.562 (1-9/16") SHAFT | | | | | | | | |
| QS-2965A | C | 2.187 | 1.000 | 52 | --- | PLT | | B/CA/PLT |
| QS-2970AN | C | 2.187 | 1.437 | --- | --- | --- | | N/CA/--- |
| QS-2975AN | C | 2.187 | 1.125 | --- | --- | --- | | N/CA/--- |
| QS-5800A | C | 2.187 | 1.000 | 2SS | 2.250 | 0.375 | | B/CA/SS |
| QS-22123AN | C | 2.187 | 2.375 | 52 | --- | PLT | | N/CA/PLT |
| | | | | | | | | |
| QS-664 | E | 2.250 | 1.688 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-1193 | E | 2.250 | 1.688 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-1194 | E | 2.250 | 1.688 | 1SS | 2.375 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|------------------------------------|---------|-------|------------|-------------------------|---------|-------|-------|--------------------|
| 1.562 (1-9/16") (continued) | | | | | | | | |
| QS-2707N | Special | 2.625 | 0.937 | Special | 2.250 | 0.406 | | N/CA/SS |
| QS-1949AV | Z | 2.625 | 0.950 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| QS-2967AV | Z | 2.625 | 0.950 | SEAT UNITIZED WITH SEAL | | | | V/CA/SS |
| 1.575 (40MM) SHAFT | | | | | | | | |
| QS-4960A | C | 2.187 | 2.000 | 1C | 2.375 | 0.468 | | B/CA/CE |
| QSM-2977V | C-DBL | 2.187 | 2.000 | G60 | 64MM | --- | | V/SC/SC V/CA/CE |
| QS-4955A | D | 2.312 | 2.000 | 2SS | 2.500 | 0.406 | | B/CA/SS |
| QS-4956A | D | 2.312 | 2.000 | 2SS | 2.500 | 0.312 | | B/CA/SS |
| QS-8500 | K | 2.187 | 2.125 | G60 | --- | --- | | V/SC/SC |
| QS-2925V | 43-DBL | 2.187 | 2.000 | G60 | --- | --- | | V/SC/SC V/CA/CE |
| 1.594 SHAFT | | | | | | | | |
| QS-2980A | C | 2.500 | 1.687 | 2SS | 2.375 | 0.437 | | B/CA/SS |
| 1.601 SHAFT | | | | | | | | |
| QS-4852AN | K | 2.500 | 2.000 | 3SS | 2.500 | 0.500 | | N/CA/SS |
| 1.625 (1-5/8") SHAFT | | | | | | | | |
| QS-238 | C | 2.500 | 1.375 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-238-E | C | 2.500 | 1.375 | 1C | 2.375 | 0.500 | | E/CA/CE |
| QS-238-E-SC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | E/CA/SC |
| QS-238-HC | C | 2.500 | 1.375 | 1C | 2.375 | 0.500 | HC | B/CA/CE |
| QS-238-HC SC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | HC | B/CA/CE |
| QS-238-SC-SC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | B/SC/SC |
| QS-238-SC-TC | C | 2.500 | 1.375 | 1TC | 2.375 | 0.500 | | B/SC/TC |
| QS-238-TC-SC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | B/TC/SC |
| QS-238V | C | 2.500 | 1.375 | 3C | 2.375 | 0.500 | | V/CA/CE |
| QS-238V-HC-TC | C | 2.500 | 1.375 | 1TC | 2.375 | 0.500 | HC | V/CA/TC |
| QS-238V-CASC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | V/CA/SC |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.625 (1-5/8") (continued) | | | | | | | | |
| QS-238V-TC-SC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | V/TC/SC |
| QS-239 | C | 2.500 | 1.375 | 1SS | 2.375 | 0.500 | | B/CA/CE |
| QS-239-E | C | 2.500 | 1.375 | 3SS | 2.375 | 0.500 | | E/CA/SS |
| QS-239-HC | C | 2.500 | 1.375 | 1SS | 2.375 | 0.500 | HC | B/CA/SS |
| QS-239V | C | 2.500 | 1.375 | 3SS | 2.375 | 0.500 | | V/CA/SS |
| QS-239V-CATC | C | 2.500 | 1.375 | 3TC | 2.375 | 0.500 | | V/CA/TC |
| QS-544 | C | 2.500 | 1.375 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-544V-SCSC | C | 2.500 | 1.375 | 3SC | 2.375 | 0.500 | | V/SC/SC |
| QS-818 | C | 2.500 | 1.375 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-818-HC | C | 2.500 | 1.375 | 3C | 2.375 | 0.500 | HC | B/CA/CE |
| QS-1019 | C | 2.500 | 1.375 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1019-HC | C | 2.500 | 1.375 | 1SS | 2.625 | 0.500 | HC | B/CA/SS |
| QS-1019-SCSC | C | 2.500 | 1.375 | 3SC | 2.625 | 0.500 | | B/SC/SC |
| QS-1019-CATC | C | 2.500 | 1.375 | 3TC | 2.625 | 0.500 | | V/CA/TC |
| QS-1019V | C | 2.500 | 1.375 | 3SS | 2.625 | 0.500 | | V/CA/SS |
| QS-1019V-HC | C | 2.500 | 1.375 | 3SS | 2.625 | 0.500 | HC | V/CA/SS |
| QS-1019V-SC-SC | C | 2.500 | 1.375 | 3SC | 2.625 | 0.500 | | V/SC/SC |
| QS-1035 | C | 2.500 | 1.375 | 28SS | 3.544 | 1.250 | | B/CA/SS |
| QS-1039V | C | 2.500 | 1.375 | 28SS | 3.544 | 1.250 | | V/CA/SS |
| QS-2107 | C | 2.500 | 1.375 | --- | --- | --- | | B/CA/--- |
| QS-2201E HC | C | 2.500 | 1.375 | 3SS | 2.625 | 0.500 | HC | E/CA/SS |
| QS-2202 | C | 2.500 | 1.375 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-2202-HC | C | 2.500 | 1.375 | 3C | 2.625 | 0.500 | HC | B/CA/CE |
| QS-2202V | C | 2.500 | 1.375 | 3C | 2.625 | 0.500 | | V/CA/CE |
| QS-2749V | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | 316SS | V/TC/SC |
| QS-3015AN | C | 2.500 | 1.375 | 51 | 3.000 | PLT | | N/CA/PLT |
| QS-3020A | C | 2.500 | 1.375 | 3SS | 2.437 | 0.375 | | B/CA/SS |
| QS-3020AV | C | 2.500 | 1.375 | 3SS | 2.437 | 0.375 | | V/CA/SS |
| QS-3022A | C | 2.500 | 1.125 | 52 | --- | PLT | | B/CA/PLT |
| QS-3025AN | C | 2.500 | 1.375 | 2BR | 2.500 | 0.500 | | N/CA/BR |
| QS-3030E HC | C | 2.625 | 1.375 | 1C | 2.375 | 0.500 | HC | E/CA/CE |
| QS-3035A | C | 2.500 | 1.375 | 2SS | 2.375 | 0.500 | | B/CA/SS |
| QS-3055A | C | 2.500 | 1.000 | 2SS | 2.469 | 0.250 | | B/CA/SS |
| QS-3055AV | C | 2.500 | 1.000 | 2SS | 2.469 | 0.250 | | V/CA/SS |
| QS-3058 | C | 2.500 | 1.375 | 1TC | 2.375 | 0.500 | | B/CA/TC |
| QS-3066A | C | 2.500 | 1.000 | 2SS | 2.469 | 0.250 | | E/CA/SS |
| QS-3075A | C | 2.500 | 1.125 | 8SS | -- | PLT | | B/CA/PLT |
| QS-3078 | C | 2.500 | 1.375 | 3SS | 2.625 | 0.500 | 316SS | B/CA/SS |
| QS-3138 | C | 2.500 | 2.468 | 1SS | 2.375 | 0.500 | | B/CA/SS |
| QS-3144V-TC/TC | C | 2.500 | 1.375 | 1TC | 2.375 | 0.500 | | V/TC/TC |

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|----------|---------------|
| 1.625 (1-5/8") (continued) | | | | | | | | |
| QS-3145-TC/SC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | B/TC/SC |
| QS-3171V-HC | C | 2.500 | 1.375 | 3C | 2.375 | 0.500 | HC | V/CA/CE |
| QS-3179 CA/SC | C | 2.500 | 2.468 | 1SC | 2.375 | 0.500 | | B/CA/SC |
| QS-3523V HC | C | 2.500 | 1.375 | 3TC | 2.375 | 0.500 | HC | V/CA/TC |
| QS-3543V-HC | C | 2.500 | 1.375 | 1TC | 2.375 | 0.500 | HC/316SS | V/CA/TC |
| QS-3616E | C | 2.500 | 1.375 | 1SS | 2.375 | 0.500 | | E/CA/SS |
| QS-3664 | C | 2.500 | 1.375 | 1TC | 2.375 | 0.500 | | B/TC/TC |
| QS-3831 | C | 2.479 | 1.312 | 1C | 2.375 | 0.500 | * | B/CA/CE |
| QS-3832E HC | C | 2.550 | 1.312 | 1SC | 2.375 | 0.500 | HC/* | E/CA/SC |
| QS-3939V | C | 2.500 | 1.125 | 3 Special | 2.375 | 0.500 | | V/CA/SS |
| QS-3967 | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | B/CA/SC |
| QS-4068E HC | C | 2.500 | 1.375 | 3TC | 2.375 | 0.500 | HC | E/CA/TC |
| QS-4288E | C | 2.500 | 1.375 | 3TC | 2.625 | 0.500 | | E/CA/TC |
| QS-4389 HC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | HC | B/CA/SC |
| QS-4525 | C | 2.500 | 1.375 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-4597 | C | 2.500 | 1.375 | 1C | 2.375 | 0.500 | 316SS | B/CA/CE |
| QS-6005V | C | 2.500 | 1.062 | 3SS | 2.375 | 0.375 | | V/CA/SS |
| QS-6685AN | C | 2.500 | 1.375 | 2SS | 2.375 | 0.375 | | N/CA/SS |
| QS-6995A | C | 2.500 | 1.375 | 2SS | 2.312 | 0.500 | | B/CA/SS |
| QS-7017E HC | C | 2.500 | 1.375 | 3SS | 2.375 | 0.500 | HC | E/CA/SS |
| QS-7497 | C | 2.500 | 1.312 | 25C | 2.500 | 0.812 | | B/CA/CE |
| QS-7497V | C | 2.500 | 1.312 | 25C | 2.500 | 0.812 | | V/CA/CE |
| QS-7806V SCSC | C | 2.500 | 1.375 | 1SC | 2.375 | 0.500 | | V/SC/SC |
| QS-7885AV | C | 2.500 | 0.800 | 3SS | 2.750 | 0.312 | | V/CA/SS |
| QS-7902V | C | 2.500 | 1.375 | 1C | 2.375 | 0.500 | | V/CA/CE |
| QS-9497V | C | 2.500 | 1.312 | 25C | 2.500 | 0.812 | | V/CA/CE |
| QS-331 | D | 2.718 | 1.125 | 3SS | 2.437 | 0.500 | | B/CA/SS |
| QS-461 | D | 2.718 | 1.375 | 1SS | 2.375 | 0.500 | | B/CA/SS |
| QS-461-CATC | D | 2.718 | 1.375 | 1TC | 2.375 | 0.500 | | B/CA/TC |
| QS-461V | D | 2.718 | 1.375 | 3SS | 2.375 | 0.500 | | V/CA/SS |
| QS-514 | D | 2.718 | 1.375 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-514-E | D | 2.718 | 1.375 | 1C | 2.375 | 0.500 | | E/CA/CE |
| QS-514-E-HC | D | 2.718 | 1.375 | 1C | 2.375 | 0.500 | HC | E/CA/CE |
| QS-514-E-HC-TC | D | 2.718 | 1.375 | 1TC | 2.375 | 0.500 | HC | E/CA/TC |
| QS-514-E-CATC | D | 2.718 | 1.375 | 1TC | 2.375 | 0.500 | | E/CA/TC |
| QS-514-HC | D | 2.718 | 1.375 | 1C | 2.375 | 0.500 | HC | B/CA/CE |
| QS-514-SC-SC | D | 2.718 | 1.375 | 1SC | 2.375 | 0.500 | | B/SC/SC |
| QS-514V | D | 2.718 | 1.375 | 3C | 2.375 | 0.500 | | V/CA/CE |
| QS-514V-HC-SC | D | 2.718 | 1.375 | 1SC | 2.375 | 0.500 | HC | V/CA/SC |

NOTE: HC - HARD CARBON
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|---------|---------------|
| 1.625 (1-5/8") (continued) | | | | | | | | |
| QS-514V-HC-CER | D | 2.718 | 1.375 | 3C | 2.375 | 0.500 | HC | V/CA/CE |
| QS-514V-SC-SC | D | 2.718 | 1.375 | 3SC | 2.375 | 0.500 | | V/SC/SC |
| QS-819 | D | 2.718 | 1.375 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-821 | D | 2.718 | 1.375 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-1697 | D | 2.718 | 1.375 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-1697-CATC | D | 2.718 | 1.375 | 3TC | 2.375 | 0.500 | | B/CA/TC |
| QS-1698 | D | 2.718 | 1.375 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-2055 | D | 2.718 | 1.375 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-2055V | D | 2.718 | 1.375 | 1C | 2.375 | 0.500 | | V/CA/CE |
| QS-2056 | D | 2.718 | 1.375 | 1SS | 2.375 | 0.500 | | B/CA/SS |
| QS-2165 | D | 2.718 | 1.375 | 28SS | 3.544 | 1.250 | | B/CA/SS |
| QS-2739V | D | 2.718 | 1.375 | 3TC | 2.375 | 0.500 | ++316SS | V/SC/TC |
| QS-3025E HC | D | 2.718 | 1.375 | 1SC | 2.375 | 0.500 | HC | E/CA/SC |
| QS-3026 | D | 2.718 | 1.125 | 3SS | 2.437 | 0.500 | | B/CA/SS |
| QS-3039AF | D | 2.718 | 1.375 | 3SC | 2.375 | 0.500 | | AF/SC/SC |
| QS-3186V | D | 2.718 | 1.375 | 3SC | 2.375 | 0.500 | 316SS | V/CA/SC |
| QS-3223 | D | 2.718 | 1.375 | 3SC | 2.375 | 0.500 | | B/TC/SC |
| QS-3772V | D | 2.718 | 1.375 | 3SC | 2.375 | 0.500 | | V/TC/SC |
| QS-4074 HC | D | 2.687 | 1.375 | 3SC | 2.375 | 0.500 | HC | V/CA/SC |
| QS-4076 | D | 2.687 | 1.375 | 3SC | 2.375 | 0.500 | | V/CA/SC |
| QS-4361 | D | 2.718 | 1.375 | 1TC | 2.375 | 0.500 | | B/SC/TC |
| QS-4435 | D | 2.718 | 1.375 | 28SS | 3.544 | 1.250 | | B/CA/SS |
| QS-6075V | D | 2.718 | 1.062 | 3SS | 2.375 | 0.375 | | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-346 | E | 2.250 | 2.000 | 1C | 2.312 | 0.500 | | B/CA/CE |
| QS-346V | E | 2.250 | 2.000 | 1C | 2.312 | 0.500 | | V/CA/CE |
| QS-346-HC | E | 2.250 | 2.000 | 1C | 2.312 | 0.500 | HC | B/CA/CE |
| QS-484 | E | 2.250 | 2.000 | 1SS | 2.312 | 0.500 | | B/CA/SS |
| QS-595 | E | 2.250 | 2.000 | 3C | 2.375 | 0.500 | | B/CA/SS |
| QS-609 | E | 2.250 | 2.000 | 1C | 2.312 | 0.500 | | B/CA/CE |
| QS-609V | E | 2.250 | 2.000 | 1C | 2.312 | 0.500 | | V/CA/CE |
| QS-610 | E | 2.250 | 2.000 | 1SS | 2.312 | 0.500 | | B/CA/SS |
| QS-610V | E | 2.250 | 2.000 | 1SS | 2.312 | 0.500 | | V/CA/SS |
| QS-744 | E | 2.250 | 2.000 | 1SS | 2.375 | 0.500 | | B/CA/SS |
| QS-744V | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-745 | E | 2.250 | 2.000 | 1SS | 2.375 | 0.500 | | B/CA/CE |
| QS-745-HC | E | 2.250 | 2.000 | 1C | 2.375 | 0.500 | HC | B/CA/CE |
| QS-745V | E | 2.250 | 2.000 | 3C | 2.375 | 0.500 | | V/CA/CE |
| QS-747 | E | 2.250 | 2.000 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-822 | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-822-E | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | E/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.625 (1-5/8") (continued) | | | | | | | | |
| QS-822-HC | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | HC | B/CA/SS |
| QS-1683 | E | 2.250 | 2.000 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-1683-HC | E | 2.250 | 2.000 | 3C | 2.375 | 0.500 | HC | B/CA/CE |
| QS-1683V | E | 2.250 | 2.000 | 3C | 2.375 | 0.500 | | V/CA/CE |
| QS-1699 | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-1699-HC | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | HC | B/CA/SS |
| QS-1699E-TC-HC | E | 2.250 | 2.000 | 3TC | 2.375 | 0.500 | HC | E/CA/TC |
| QS-1699V | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | V/CA/SS |
| QS-1699V-SC-TC | E | 2.250 | 2.000 | 3TC | 2.375 | 0.500 | | V/SC/TC |
| QS-1699V-HC | E | 2.250 | 2.000 | 3TC | 2.375 | 0.500 | HC | V/CA/TC |
| QS-2057 | E | 2.250 | 2.000 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-2058 | E | 2.250 | 2.000 | 1SS | 2.375 | 0.500 | | B/CA/SS |
| QS-2058V-CATC | E | 2.250 | 2.000 | 1TC | 2.375 | 0.500 | | V/CA/TC |
| QS-2717 | E | 2.250 | 2.000 | 3SC | 2.375 | 0.500 | | B/TC/SC |
| QS-3113AF | E | 2.250 | 2.000 | 3SC | 2.375 | 0.500 | | AF/TC/SC |
| QS-3183V HC | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | HC | V/SC/SS |
| QS-3853V | E | 2.250 | 2.000 | 1SC | 2.375 | 0.500 | | V/SC/SC |
| QS-3931 | E | 2.250 | 2.000 | 2SS | 2.312 | 0.562 | | B/CA/SS |
| QS-4099 | E | 2.250 | 2.000 | 1SC | 2.375 | 0.500 | | B/SC/SC |
| QS-4280A | E | 2.250 | 2.000 | 1C | 2.750 | 0.468 | | B/CA/CE |
| QS-4300A | E | 2.250 | 2.000 | 1C | 2.375 | 0.468 | | B/CA/CE |
| QS-4471V | E | 2.250 | 2.000 | 3SC | 2.375 | 0.500 | | V/CA/SC |
| QS-5225A | E | 2.250 | 1.375 | 1SS | 2.375 | 0.531 | | B/CA/SS |
| QS-6348 | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-6349V | E | 2.250 | 2.000 | 3SS | 2.375 | 0.500 | | V/CA/SS |
| QS-7787 | E | 2.250 | 2.000 | 3TC | 2.375 | 0.500 | | E/CA/TC |
| QS-8005A | E | 2.312 | 2.000 | 2SSS | 2.312 | 0.500 | | B/CA/SS |
| QS-8115A | E | 2.250 | 1.375 | 1C | 2.375 | 0.468 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-4159 | EB | 2.250 | 2.375 | 3C | 2.125 | 0.437 | | V/CA/CE |
| QS-4269V | EB | 2.250 | 2.375 | 3TC | 2.125 | 0.437 | | V/CA/TC |
| QS-4374 | EB | 2.250 | 2.375 | 3C | 2.125 | 0.437 | | B/CA/CE |
| QS-4545 | EB | 2.250 | 2.375 | 5TC | 2.125 | 0.437 | | B/CA/TC |
| QS-4653V | EB | 2.250 | 2.375 | 3C | 2.125 | 0.437 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-6262E | G | 2.205 | 1.375 | 1C | 2.375 | 0.500 | 316SS | E/CA/CE |
| QS-6263E | G | 2.205 | 1.375 | 1TC | 2.375 | 0.500 | 316SS | E/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-195 | K | 2.500 | 2.125 | 1SS | 2.375 | 0.500 | | B/CA/SS |

NOTE: HC - HARD CARBON

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------------|-------|------------|-----------------|---------|-------|-------|-------------------|
| 1.625 (1-5/8") (continued) | | | | | | | | |
| QS-1195 | K | 2.500 | 2.125 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-3111V SCSC | K | 2.500 | 2.125 | 1SC | 2.375 | 0.500 | | V/SC/SC |
| QS-3978AN | K | 2.500 | 2.375 | 2SS | 2.625 | 0.437 | | N/CA/SS |
| QS-4572V | K | 2.500 | 2.125 | 1SC 1CE | 2.375 | 0.500 | | V/CA/SC/SC /CE |
| QS-3005A | L-2 | 2.250 | 2.375 | --- | --- | --- | | B/CA/--- |
| QS-6311 | Q | 2.812 | 0.973 | Special | 2.375 | 0.390 | | N/CA/BR |
| QS-281 | R | 2.718 | 2.125 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-3071N | R | 2.625 | 2.125 | 3SS | 2.375 | 0.500 | ++ | N/BR/SS |
| QS-3988N | R | 2.825 | 2.125 | 3SS | 2.375 | 0.500 | | N/CA/SS |
| QS-RO-050 | RO | --- | --- | 25 | 2.375 | --- | | V/TC/CA |
| QS-P75203V | RO | --- | --- | 27 | 2.875 | --- | | V/TC/CA |
| QS-692 | T | 2.250 | 2.875 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-458 | U | 2.250 | 2.875 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-9017 | T9T | 2.250 | 1.156 | 28SS | 2.875 | 0.625 | 316SS | CA/SS |
| QS-9332 | T9T | 2.250 | 1.156 | 28STE | 2.875 | 0.625 | 316SS | CA/STE |
| QS-9718 | T9 Special | 2.375 | 2.125 | 2SS | 2.375 | 0.500 | 316SS | CA/SS |
| QS-8118E | T8B1 | 2.375 | 1.750 | 3SC | 2.000 | 0.381 | 316SS | E/SC/SC |
| QS-8071V | T8B1T | 2.187 | 1.750 | 3TC | 2.062 | 0.437 | 316SS | V/CA/TC |
| QS-8040V | T8B2 | 2.437 | 1.165 | 27C | 2.843 | 1.000 | 316SS | V/CA/CE |
| QS-6008 | T8 Special | 2.718 | 1.375 | 25SS Special | 2.410 | 0.406 | | B/CA/SS |
| 1.653 (42MM) SHAFT | | | | | | | | |
| QS-3082AV | C | 2.500 | 1.375 | 3SS | 2.375 | 0.500 | | V/CA/SS |
| 1.687 (1-11/16") SHAFT | | | | | | | | |
| QS-3037A | D | 2.750 | 0.950 | 2SS | 2.500 | 0.250 | | B/CA/SS |
| QS-3037AE | D | 2.750 | 0.950 | 2SS | 2.500 | 0.250 | | E/CA/SS |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.687 (1-11/16") (continued) | | | | | | | | |
| QS-3037AV | D | 2.750 | 0.950 | 2SS | 2.500 | 0.250 | | V/CA/SS |
| QS-3087A | D | 2.750 | 0.950 | 2SS | 2.437 | 0.375 | | B/CA/SS |
| QS-5002 | D | 2.875 | 0.875 | 2SS | 2.500 | 0.312 | | B/CA/SS |
| QS-5194V | D | 2.875 | 0.875 | 2SS | 2.500 | 0.312 | | V/CA/SS |
| | | | | | | | | |
| QS-4094 | E | 2.875 | 2.000 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-6612A | E | 2.375 | 1.500 | 2B | 2.594 | 0.375 | | B/CA/BR |
| | | | | | | | | |
| QS-3090AN | K | 2.375 | 1.500 | 3B | 2.312 | 0.500 | | N/CA/BR |
| | | | | | | | | |
| QS-8010AN | L-1 | 2.500 | 1.125 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| 1.692 (43MM) SHAFT | | | | | | | | |
| QS-5654V | C | 2.315 | 1.338 | 2SS | 2.400 | 0.434 | 316SS | V/CA/SS |
| QS-4654V | C | 2.315 | 1.338 | 2C | 2.400 | 0.434 | | V/CA/CE |
| | | | | | | | | |
| QS-4039V | G | 2.322 | 1.456 | 1SC | 2.400 | 0.315 | 316SS | V/SC/SC |
| QS-1443U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1443L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| 1.750 (1-3/4") SHAFT | | | | | | | | |
| QS-387 | C | 2.625 | 1.375 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-434 | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-436 | C | 2.625 | 1.375 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-436-E | C | 2.625 | 1.375 | 3SS | 2.500 | 0.500 | ++ | E/CA/SS |
| QS-436-HC | C | 2.625 | 1.375 | 3SS | 2.500 | 0.500 | HC/++ | B/CA/SS |
| QS-436-SC-SC | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | ++ | B/SC/SC |
| QS-436-CASC | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | ++ | B/CA/SC |
| QS-436-TC-TC | C | 2.625 | 1.375 | 3TC | 2.500 | 0.500 | ++ | B/TC/TC |
| QS-436-TC-SC | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | ++ | B/TC/SC |
| QS-436V | C | 2.625 | 1.375 | 3SS | 2.500 | 0.500 | ++ | V/CA/SS |
| QS-436V-HC | C | 2.625 | 1.375 | 3SS | 2.500 | 0.500 | HC/++ | V/CA/SS |
| QS-436V-TC-TC | C | 2.625 | 1.375 | 3TC | 2.500 | 0.500 | | V/TC/TC |
| QS-446 | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-446-316SS | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | 316SS | B/CA/CE |
| QS-446-E | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | | E/CA/CE |
| QS-446-E-HC | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | HC | E/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-446-E-CASC | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | | E/CA/SC |
| QS-446-HC | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | HC | B/CA/CE |
| QS-446-SC-SC | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | | B/SC/SC |
| QS-446-CASC | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | | B/CA/SC |
| QS-446-SC-TC | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | B/SC/TC |
| QS-446-TC-TC | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-446V | C | 2.625 | 1.375 | 3C | 2.500 | 0.500 | | V/CA/CE |
| QS-446V-HC | C | 2.625 | 1.375 | 3C | 2.500 | 0.500 | HC | V/CA/CE |
| QS-446V CASC | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | | V/CA/SC |
| QS-446V-SC-TC | C | 2.625 | 1.375 | 3TC | 2.500 | 0.500 | | V/SC/TC |
| QS-446V-CATC | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | V/CA/TC |
| QS-446V-TC-TC | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | V/TC/TC |
| QS-448 | C | 2.625 | 1.375 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-448-E | C | 2.625 | 1.375 | 1SS | 2.500 | 0.500 | | E/CA/SS |
| QS-448-HC | C | 2.625 | 1.375 | 1SS | 2.500 | 0.500 | HC | B/CA/SS |
| QS-448V | C | 2.625 | 1.375 | 1SS | 2.500 | 0.500 | | V/CA/SS |
| QS-448V-HC | C | 2.625 | 1.375 | 1SS | 2.500 | 0.500 | HC | V/CA/SS |
| QS-448V-SC-SC | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | | V/SC/SC |
| QS-448V-SC-TC | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | V/SC/TC |
| QS-448V-HC-TC | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | HC | V/CA/TC |
| QS-550 | C | 2.625 | 1.375 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-1038 | C | 2.625 | 1.375 | 28SS | 3.544 | 0.500 | | B/CA/SS |
| QS-1038V | C | 2.625 | 1.375 | 28SS | 3.544 | 1.188 | | V/CA/SS |
| QS-1055 | C | 2.625 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-1056 | C | 2.625 | 1.125 | 3SS | 2.500 | 0.437 | ++ | B/CA/SS |
| QS-1056V | C | 2.625 | 1.125 | 3SS | 2.500 | 0.500 | ++ | V/CA/SS |
| QS-1056V-CASC | C | 2.625 | 1.125 | 3SC | 2.500 | 0.500 | ++ | V/CA/SC |
| QS-1068 | C | 2.625 | 1.125 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-1674 | C | 2.625 | 2.000 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-1674-E-HC | C | 2.625 | 2.000 | 1SS | 2.500 | 0.500 | HC | E/CA/SS |
| QS-1674-CASC | C | 2.625 | 2.000 | 1SC | 2.500 | 0.500 | | B/CA/SC |
| QS-1674-CATC | C | 2.625 | 2.000 | 1TC | 2.500 | 0.500 | | B/CA/TC |
| QS-1674 CE | C | 2.625 | 2.000 | 1C | 2.500 | 0.500 | | E/CA/CE |
| QS-1674V CE | C | 2.625 | 2.000 | 1C | 2.500 | 0.500 | | V/CA/CE |
| QS-1674V-TC-TC | C | 2.625 | 2.000 | 1TC | 2.500 | 0.500 | | V/TC/TC |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------|---------|-------|-------|-----------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-2108 | C | 2.625 | 1.375 | --- | --- | --- | | B/CA/--- |
| QS-2108-HC | C | 2.625 | 1.375 | --- | --- | --- | HC | B/CA/--- |
| QS-2108-E-HC | C | 2.625 | 1.375 | --- | --- | --- | HC | E/CA/--- |
| QS-2108V | C | 2.625 | 1.375 | --- | --- | --- | | V/CA/--- |
| QS-2130A | C | 2.625 | 1.375 | 52/2S | 2.500 | PLT | | B/CA/PLT/S S |
| QS-2135 | C | 2.625 | 2.000 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-2135-HC | C | 2.625 | 2.000 | 1SS | 2.500 | 0.500 | HC | B/CA/CE |
| QS-2135-SC-SC | C | 2.625 | 2.000 | 1SC | 2.500 | 0.500 | | B/SC/SC |
| QS-2135V | C | 2.625 | 2.000 | 1C | 2.500 | 0.500 | | V/CA/CE |
| QS-2142 | C | 2.625 | 2.000 | 1SS | 2.500 | 0.500 | | B/CA/CE |
| QS-2142-HC | C | 2.625 | 2.000 | 1C | 2.500 | 0.500 | HC | B/CA/CE |
| QS-2150 | C | 2.625 | 2.000 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-2151 | C | 2.625 | 2.000 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-2151E-HC | C | 2.625 | 2.000 | 3SS | 2.500 | 0.500 | HC/++ | E/CA/SS |
| QS-2151-TC-SEAT | C | 2.625 | 2.000 | 3TC | 2.500 | 0.500 | | B/CA/TC |
| QS-2151V | C | 2.625 | 2.000 | 3SS | 2.500 | 0.500 | ++ | V/CA/SS |
| QS-2151V-CATC | C | 2.625 | 2.000 | 3TC | 2.500 | 0.500 | ++ | V/CA/TC |
| QS-2207V | C | 2.625 | 1.375 | 3TC | 2.500 | 0.500 | | V/CA/TC |
| QS-2210 | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | B/CA/TC |
| QS-2212 | C | 2.625 | 1.125 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-2212-SC-SC | C | 2.625 | 1.125 | 1SC | 2.500 | 0.500 | | B/SC/SC |
| QS-3105A | C | 2.625 | 1.125 | 1BR | 2.625 | 0.468 | | B/CA/BR |
| QS-3120AN | C | 2.625 | 1.375 | 3SS | 3.344 | 0.562 | | N/CA/SS |
| QS-3125 HC | C | 2.625 | 1.375 | 3C | 2.500 | 0.500 | HC | B/CA/CE |
| QS-3135AN | C | 2.625 | 1.375 | 51 | 2.812 | PLT | | N/CA/PLT |
| QS-3145AV | C | 2.625 | 1.375 | 2SS | 2.500 | 0.500 | | V/CA/SS |
| QS-3170A | C | 2.625 | 0.900 | 2SS | 2.656 | 0.375 | | B/CA/SS |
| QS-3114 TCTC | C | 2.625 | 1.750 | 1TC | 2.500 | 0.500 | LC | B/TC/TC |
| QS-3114V TCTC | C | 2.625 | 1.750 | 1TC | 2.500 | 0.500 | LC | V/TC/TC |
| QS-3118V | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | LC | V/CA/CE |
| QS-3190AN | C | 2.625 | 1.850 | 51 | 2.750 | PLT | | N/CA/PLT |
| QS-3271V | C | 2.625 | 2.000 | 1SC | 2.500 | 0.500 | | V/SC/SC |
| QS-3271A | C | 2.625 | 2.000 | 2SS | 2.500 | 0.484 | | B/CA/SS |
| QS-3272 | C | 2.625 | 2.000 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-3687 | C | 2.625 | 1.062 | 3TC | 2.500 | 0.500 | | B/TC/TC |
| QS-3718 | C | 2.625 | 1.062 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-3718V | C | 2.625 | 1.062 | 3C | 2.500 | 0.500 | | V/CA/CE |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-------------|-------|------------|------|---------|-------|-------|---------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-3719 | C | 2.625 | 1.125 | 3TC | 2.500 | 0.500 | | B/SC/TC |
| QS-3789V | C | 2.625 | 1.125 | 3SS | 2.500 | 0.437 | | V/CA/SS |
| QS-3857E | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | E/SC/TC |
| QS-3963 | C | 2.625 | 1.062 | 3TC | 2.500 | 0.500 | | B/SC/TC |
| QS-4153V | C | 2.625 | 1.375 | 1C | 2.500 | 0.500 | 316SS | V/CA/CE |
| QS-4205V | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | 316SS | V/SC/SC |
| QS-4410 | C | 2.625 | 1.125 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-4461V | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | | V/TC/SC |
| QS-4596E | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | | E/SC/SC |
| QS-4884V | C | 2.625 | 1.250 | 3C | 2.500 | 0.500 | 316SS | V/CA/CE |
| QS-5389 | C | 2.392 | 1.375 | 3C | 2.500 | 0.500 | ++ | B/CA/CE |
| QS-6241 | C | 2.625 | 1.062 | 3SC | 2.500 | 0.500 | | B/SC/SC |
| QS-6690AN | C | 2.625 | 1.375 | 2SSS | 2.625 | 0.688 | | N/CA/SS |
| QS-7035E HC | C | 2.625 | 1.375 | 3TC | 2.500 | 0.500 | HC | E/CA/TC |
| QS-7607E | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | | E/CA/SC |
| QS-7679V | C | 2.625 | 1.375 | 3SC | 2.500 | 0.500 | | V/SC/SC |
| QS-7684E | C | 2.625 | 1.375 | 1TC | 2.500 | 0.500 | | E/CA/TC |
| QS-7820V | C | 2.625 | 1.375 | 1SC | 2.500 | 0.500 | | V/SC/SC |
| QS-7886AV | C | 2.625 | 0.800 | 3SS | 2.500 | 0.312 | | V/CA/SS |
| QS-7975AN | C | 2.625 | 1.375 | 2SS | 2.500 | 0.468 | | N/CA/SS |
| QS-9947A | C | 2.625 | 1.125 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-2108E-HC | C | 2.625 | 1.375 | --- | --- | --- | HC | E/CA/--- |
| QS-10045V | C | 2.625 | 1.375 | --- | --- | --- | | V/CA/--- |
| QS-10159SC | C | 2.625 | 1.375 | --- | --- | --- | | B/SC/--- |
| QS-10168 HC | C | 2.625 | 1.375 | --- | --- | --- | HC | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-4035 | C/X Special | 2.609 | 1.250 | 1C | 2.500 | 0.500 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-147 | D | 2.750 | 1.375 | --- | --- | --- | | B/CA/--- |
| QS-237 | D | 2.750 | 1.375 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-237-E | D | 2.750 | 1.375 | 1C | 2.500 | 0.500 | | E/CA/CE |
| QS-237-HC | D | 2.750 | 1.375 | 1C | 2.500 | 0.500 | HC | B/CA/CE |
| QS-237-SC-SC | D | 2.750 | 1.375 | 1SC | 2.500 | 0.500 | | B/SC/SC |
| QS-237-CATC | D | 2.750 | 1.375 | 1TC | 2.500 | 0.500 | | B/CA/TC |
| QS-237-TC-TC | D | 2.750 | 1.375 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-237V | D | 2.750 | 1.375 | 3C | 2.500 | 0.500 | | V/CA/CE |
| QS-237V-HC | D | 2.750 | 1.375 | 3C | 2.500 | 0.500 | HC | V/CA/CE |
| QS-288 | D | 2.750 | 1.375 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-288-E | D | 2.750 | 1.375 | 1SS | 2.500 | 0.500 | | E/CA/SS |
| QS-288-HC | D | 2.750 | 1.375 | 1SS | 2.500 | 0.500 | HC | B/CA/SS |
| QS-288V | D | 2.750 | 1.375 | 3SS | 2.500 | 0.500 | ++ | V/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------|-----------|-------|-------|-----------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-568N | D | 2.750 | 1.781 | 3SS | 2.456 | 0.468 | | N/CA/SS |
| QS-825 | D | 2.750 | 1.375 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-826 | D | 2.750 | 1.375 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-1004AN | D | 2.750 | 0.900 | 52/2S | PLT/2.656 | PLT | | N/CA/PLT/S S |
| QS-1059AN | D | 2.750 | 0.900 | 2SS | 2.656 | 0.375 | | N/CA/SS |
| QS-2059 | D | 2.750 | 1.375 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-2059V | D | 2.750 | 1.375 | 1C | 2.500 | 0.500 | | V/CA/CE |
| QS-2060 | D | 2.750 | 1.375 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-2060-TC-TC | D | 2.750 | 1.375 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-2061 | D | 2.750 | 1.375 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-2061-CASC | D | 2.750 | 1.375 | 3SC | 2.500 | 0.500 | | B/CA/SC |
| QS-2062 | D | 2.750 | 1.375 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-3113AN | D | 2.750 | 1.100 | 3SS | 2.500 | 0.500 | | N/CA/SS |
| QS-3115AN | D | 2.750 | 1.375 | --- | --- | --- | | N/CA/--- |
| QS-3136A | D | 2.750 | 1.375 | 3BR | 2.500 | 0.500 | | B/CA/BR |
| QS-3267 | D | 2.750 | 1.375 | 3SC | 2.500 | 0.500 | 316SS | B/TC/SC |
| QS-4026N | D | 2.806 | 1.031 | 3SS | 2.500 | 0.281 | | N/CA/SS |
| QS-4399AF | D | 2.750 | 1.375 | 3C | 2.500 | 0.500 | | AF/CA/CE |
| QS-4487V | D | 2.750 | 1.375 | 1SC | 2.500 | 0.500 | 316SS | V/SC/SC |
| QS-6217V | D | 2.750 | 1.375 | 1SC | 2.500 | 0.500 | 316SS | V/TC/SC |
| QS-7652E | D | 2.750 | 1.375 | 1TC | 2.500 | 0.500 | | E/CA/TC |
| QS-7752V | D | 2.750 | 1.375 | 3SC | 2.500 | 0.500 | | V/TC/SC |
| QS-7959V | D | 2.750 | 1.375 | 3TC | 2.500 | 0.500 | | V/SC/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-4491 | DB | 2.750 | 1.750 | 3TC | 2.375 | 0.500 | | B/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-205 | E | 2.375 | 2.000 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-205-HC | E | 2.375 | 2.000 | 1C | 2.500 | 0.500 | HC | B/CA/CE |
| QS-205-SC-SC | E | 2.375 | 2.000 | 1SC | 2.500 | 0.500 | | B/SC/SC |
| QS-205V | E | 2.375 | 2.000 | 3C | 2.500 | 0.500 | | V/CA/CE |
| QS-205V-HC | E | 2.375 | 2.000 | 3C | 2.500 | 0.500 | HC | V/CA/CE |
| QS-205V-CATC | E | 2.375 | 2.000 | 1TC | 2.500 | 0.500 | | V/CA/TC |
| QS-205V-TC-TC | E | 2.375 | 2.000 | 1TC | 2.500 | 0.500 | | V/TC/TC |
| QS-262 | E | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-262E-HC | E | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | HC/++ | E/CA/SS |
| QS-317 | E | 2.375 | 2.000 | 1C | 2.487 | 0.500 | | B/CA/CE |
| QS-366 | E | 2.375 | 2.000 | 1SS | 2.500 | 0.500 | | B/CA/SS |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-366-HC | E | 2.375 | 2.000 | 1SS | 2.500 | 0.500 | HC | B/CA/SS |
| QS-366-CATC | E | 2.375 | 2.000 | 1TC | 2.500 | 0.500 | | B/CA/TC |
| QS-366-TC-TC | E | 2.375 | 2.000 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-366V | E | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | ++ | V/CA/SS |
| QS-366V-HC | E | 2.375 | 2.000 | 1SS | 2.500 | 0.500 | HC | V/CA/SS |
| QS-366V-SC | E | 2.375 | 2.000 | 1SC | 2.500 | 0.500 | | V/CA/SC |
| QS-535 | E | 2.375 | 2.000 | 3C | 2.500 | 0.500 | ++ | B/CA/CE |
| QS-535-E | E | 2.375 | 2.000 | 3C | 2.500 | 0.500 | ++ | E/CA/CE |
| QS-535-HC-TC | E | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | HC++ | B/CA/TC |
| QS-858 | E | 2.375 | 2.000 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-858-E-SC-SC | E | 2.375 | 2.000 | 3SC | 2.500 | 0.500 | | E/SC/SC |
| QS-858V-CASC | E | 2.375 | 2.000 | 3SC | 2.500 | 0.500 | | V/CA/SC |
| QS-859 | E | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-859E-CASC | E | 2.375 | 2.000 | 3SC | 2.500 | 0.500 | | E/CA/SC |
| QS-859-CATC | E | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | | B/CA/TC |
| QS-1031 | E | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-1032 | E | 2.375 | 2.000 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-1033 | E | 2.375 | 2.000 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-1078 | E | 2.375 | 2.000 | 27C | 3.000 | 1.000 | | B/CA/CE |
| QS-1078V | E | 2.375 | 2.000 | 27C | 3.000 | 1.000 | | V/CA/CE |
| QS-1196 | E | 2.375 | 2.000 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-1196-E | E | 2.375 | 2.000 | 1C | 2.500 | 0.500 | | E/CA/CE |
| QS-1684 | E | 2.375 | 2.000 | 3C | 2.312 | 0.500 | | B/CA/CE |
| QS-2109 | E | 2.375 | 2.000 | --- | --- | --- | | B/CA/--- |
| QS-2109-HC | E | 2.375 | 2.000 | --- | --- | --- | HC | B/CA/--- |
| QS-2109-E | E | 2.375 | 2.000 | --- | --- | --- | | E/CA/--- |
| QS-2109-E-HC | E | 2.375 | 2.000 | --- | --- | --- | HC | E/CA/--- |
| QS-2109 AFLAS | E | 2.375 | 2.000 | --- | --- | --- | | AF/CA/--- |
| QS-2130 | E | 2.375 | 2.000 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-2712 | E | 2.375 | 2.375 | 3C | 2.500 | 0.500 | LC | V/CA/CE |
| QS-3024V | E | 2.375 | 1.312 | 1TC | 2.500 | 0.500 | | V/CA/TC |
| QS-3031V | E | 2.375 | 2.000 | 1SC | 2.500 | 0.500 | | V/SC/SC |
| QS-3054V | E | 2.375 | 1.312 | 3SC | 2.625 | 0.500 | | V/CA/SC |
| QS-3106A | E | 2.375 | 1.500 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-3106AV | E | 2.375 | 1.500 | 1C | 2.500 | 0.500 | | V/CA/CE |
| QS-3169V | E | 2.375 | 1.312 | 3SS | 2.625 | 0.500 | | V/CA/SS |
| QS-3177 HC | E | 2.375 | 2.000 | 1SS | 2.500 | 0.500 | HC | B/CA/SS |
| QS-3227V | E | 2.375 | 1.312 | 3C | 2.625 | 0.500 | | V/CA/CE |
| QS-3251V | E | 2.375 | 2.375 | 3SC | 2.312 | 0.500 | | V/CA/SC |
| QS-3540V | E | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | | V/TC/TC |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-3637V | E | 2.375 | 2.375 | 3SS | 2.500 | 0.500 | LC/++ | V/CA/SS |
| QS-3666A | E | 2.375 | 1.500 | 2SS | 2.500 | 0.469 | | B/CA/SS |
| QS-3673 | E | 2.375 | 2.000 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-3690V | E | 2.375 | 2.000 | 5TC | 2.500 | 0.500 | ++ | V/CA/TC |
| QS-3726 | E | 2.375 | 2.375 | 3C | 2.500 | 0.500 | LC/++ | B/CA/CE |
| QS-3902V | E | 2.375 | 2.375 | 3C | 2.500 | 0.500 | LC/++ | V/CA/CE |
| QS-3982V | E | 2.375 | 1.312 | 3SC | 2.500 | 0.500 | | V/SC/SC |
| QS-4115V | E | 2.375 | 2.000 | 1SC | 2.500 | 0.500 | | V/SC/SC |
| QS-4136V | E | 2.375 | 2.375 | 3SC | 2.500 | 0.500 | LC | V/CA/SC |
| QS-4139V | E | 2.375 | 2.000 | 3SS | 2.625 | 0.500 | | V/CA/SS |
| QS-4141 HC | E | 2.375 | 1.312 | 3TC | 2.625 | 0.500 | HC | E/CA/TC |
| QS-4149V | E | 2.375 | 2.406 | 3TC | 2.312 | 0.500 | LC | V/CA/TC |
| QS-4186AF | E | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | | AF/CA/TC |
| QS-4187E | E | 2.375 | 1.312 | 1C | 2.500 | 0.500 | | E/CA/CE |
| QS-4232V | E | 2.375 | 1.312 | 3SS | 2.625 | 0.500 | | V/CA/SS |
| QS-4233 | E | 2.375 | 2.375 | 3TC | 2.312 | 0.500 | LC | B/CA/TC |
| QS-4261V | E | 2.375 | 1.312 | 3C | 2.625 | 0.500 | | V/CA/CE |
| QS-4228 | E | 2.375 | 1.312 | 3TC | 2.625 | 0.500 | 316SS | V/CA/TC |
| QS-4228V | E | 2.375 | 1.312 | 3TC | 2.625 | 0.500 | | V/CA/TC |
| QS-4290E | E | 2.375 | 1.312 | 3SC | 2.625 | 0.500 | | E/CA/SC |
| QS-4315N | E | 2.375 | 1.875 | 3SS | 2.500 | 0.500 | | N/CA/SS |
| QS-4326V | E | 2.375 | 2.375 | 3C | 2.312 | 0.500 | LC | V/CA/CE |
| QS-4327 | E | 2.375 | 2.000 | 1SC | 2.500 | 0.500 | | B/CA/SC |
| QS-4372E HC | E | 2.375 | 2.000 | 5TC | 2.500 | 0.500 | HC | E/CA/TC |
| QS-4429 HC | E | 2.375 | 2.000 | 5TC | 2.500 | 0.500 | HC | B/CA/TC |
| QS-4509V | E | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | | V/TC/TC |
| QS-4512E | E | 2.375 | 1.312 | 3SC | 2.625 | 0.500 | | E/CA/SC |
| QS-4535 | E | 2.375 | 1.312 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-4586V | E | 2.375 | 2.375 | 3SC | 2.312 | 0.500 | LC | V/CA/SC |
| QS-4735AV | E | 2.375 | 1.150 | 2SS | 2.500 | 0.406 | | V/CA/SS |
| QS-5325AV | E | 2.375 | 2.000 | 1C | 2.625 | 0.496 | | V/CA/CE |
| QS-6090 | E | 2.375 | 1.437 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-7252 | E | 2.375 | 1.312 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-7363E | E | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | | E/CA/TC |
| QS-7488V | E | 2.375 | 2.000 | 3SC | 2.500 | 0.500 | | V/SC/SC |
| QS-7560V | E | 2.375 | 2.375 | 3TC | 2.500 | 0.500 | LC | V/CA/TC |
| QS-7561V | E | 2.375 | 2.375 | 3TC | 2.500 | 0.500 | LC | V/CA/TC |
| QS-7610E | E | 2.375 | 2.000 | 5SC | 2.500 | 0.500 | | E/TC/SC |
| QS-7736E | E | 2.375 | 2.000 | 1TC | 2.500 | 0.500 | | E/CA/TC |
| QS-7839V | E | 2.375 | 2.375 | 3SC | 2.500 | 0.500 | LC | V/CA/SC |
| QS-7867 | E | 2.375 | 2.375 | --- | --- | --- | 316SS | B/CA/--- |
| QS-7924V | E | 2.375 | 2.000 | 3SC | 2.500 | 0.500 | | V/CA/SC |
| QS-7950E HC | E | 2.375 | 1.937 | 3TC | 2.312 | 0.500 | HC | E/CA/TC |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------|---------|-------|-------|---------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-8016AV | E | 2.375 | 1.050 | 1C | 2.500 | 0.492 | | V/CA/CE |
| QS-9911AV | E | 2.375 | 1.500 | 1SS | 2.500 | 0.500 | | V/CA/SS |
| QS-9945A | E | 2.375 | 2.000 | 27SS | 2.990 | 1.000 | | B/CA/SS |
| QS-9960A | E | 2.375 | 1.500 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-9961A | E | 2.375 | 1.500 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-9961AV | E | 2.375 | 1.500 | 3SS | 2.500 | 0.500 | | V/CA/SS |
| QS-70091 VLS | E | 2.375 | 2.250 | --- | --- | --- | | V/CA/--- |
| QS-7685 | E | 2.375 | 2.000 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-2109AF | E | 2.375 | 2.000 | --- | --- | --- | | AF/CA/--- |
| | | | | | | | | |
| QS-2231 | EB | 2.375 | 2.375 | 3SS | 2.375 | 0.500 | | B/CA/SS |
| QS-4096V | EB | 2.375 | 2.312 | 3SC | 2.500 | 0.500 | | V/CA/SC |
| QS-4097 | EB | 2.375 | 2.375 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-4221V | EB | 2.375 | 2.312 | 3C | 2.500 | 0.500 | | V/CA/CE |
| QS-7774 | EB | 2.375 | 2.375 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-7821 | EB | 2.375 | 2.375 | 3TC | 2.375 | 0.500 | | B/CA/TC |
| QS-7901 | EB | 2.375 | 2.375 | 1C | 2.375 | 0.500 | | B/CA/CE |
| QS-7949 HC | EB | 2.375 | 2.375 | 3TC | 2.375 | 0.500 | HC | B/CA/TC |
| | | | | | | | | |
| QS-3016 | G | 2.402 | 1.181 | 1SC | 2.500 | 0.500 | | B/SC/SC |
| QS-3151V | G | 2.402 | 1.375 | 1SC | 2.500 | 0.500 | 316SS | V/SC/SC |
| QS-4216 | G | 2.402 | 1.181 | 1TC | 2.500 | 0.500 | | B/SC/TC |
| | | | | | | | | |
| QS-449 | K | 2.625 | 2.125 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-1142 | K | 2.625 | 2.125 | 3C/3S | 2.500 | 0.500 | | B/CA/SS |
| QS-1197 | K | 2.625 | 2.125 | 1SS | 2.500 | 0.500 | ++ | B/CA/CE/CE/SS |
| QS-3040 | K | 2.609 | 2.250 | 3C | 2.750 | 0.625 | | B/CA/CE |
| QS-3110AN | K | 2.625 | 2.500 | --- | --- | --- | | N/CA/--- |
| QS-3125AN | K | 2.625 | 2.125 | --- | --- | --- | | N/CA/--- |
| QS-3165A | K | 2.625 | 1.500 | --- | --- | --- | | B/CA/--- |
| QS-3205A | K | 2.625 | 1.500 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-3223A | K | 2.625 | 1.500 | 2SS | 2.687 | 0.421 | | B/CA/SS |
| QS-3236 | K | 2.609 | 2.125 | 1TC | 2.500 | 0.500 | | B/TC/TC |
| QS-4304V | K | 2.625 | 1.625 | 1 | 2.500 | 0.500 | | V/TC/TC |
| QS-4353 | K | 2.609 | 2.125 | 3 | 2.500 | 0.500 | | B/CA/CE |
| QS-4539V | K | 2.609 | 2.125 | 1SC | 2.500 | 0.500 | 316SS | V/SC/SC |
| QS-4775A | K | 2.625 | 3.000 | 2SS | 2.500 | 0.562 | | B/CA/SS |
| QS-5065A | K | 2.625 | 2.000 | 2BR | 2.750 | 0.500 | | B/CA/BR |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|---------|---------|-------|-------|--------------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-6246 | K | 2.609 | 2.125 | 1C | 2.500 | 0.500 | | B/CA/CE |
| | | | | | | | | |
| QS-3225AN | L-1 | 2.375 | 1.375 | --- | --- | --- | | N/CA/--- |
| QS-3250AN | L-1 | 2.375 | 1.375 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-3210AN | L-2 | 2.375 | 2.250 | --- | --- | --- | | N/CA/--- |
| QS-4788A | L-2 | 2.375 | 1.675 | 25CA | 2.500 | 0.750 | | N/SS/CA |
| | | | | | | | | |
| QS-4133 | Q | 3.000 | 0.689 | Special | 2.500 | 0.412 | | B/CA/SC |
| | | | | | | | | |
| QS-213 | R | 2.750 | 2.125 | --- | --- | --- | | B/CA/--- |
| QS-217 | R | 2.750 | 2.125 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| QS-674 | T | 2.375 | 2.875 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-675 | T | 2.375 | 2.875 | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-2144 | T | 2.375 | 2.750 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-1067AN | T | 2.375 | 2.875 | 3SS | 2.500 | 0.500 | | N/CA/SS |
| QS-3095AN | T | 2.375 | 1.750 | 2SS | 2.573 | 0.437 | | N/CA/SS |
| QS-3111A | T | 2.375 | 1.750 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-3115 | T | 2.375 | 2.875 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-3123V | T | 2.375 | 2.937 | 3SC | 2.500 | 0.500 | ++ | V/SC/SC/SC/SC |
| QS-3208A | T | 2.375 | 2.500 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-3255AN | T | 2.375 | 2.875 | --- | --- | --- | | N/CA/--- |
| QS-3260AN | T | 2.375 | 3.750 | --- | --- | --- | | N/CA/--- |
| QS-3650V | T | 2.375 | 2.875 | 3SC | 2.500 | 0.500 | | V/SC/SC |
| QS-4249A | T | 2.375 | 2.250 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-4263V | T | 2.375 | 2.875 | 3C | 2.500 | 0.500 | | V/CA/CE |
| QS-4283 | T | 2.375 | 2.937 | 3 | 2.500 | 0.500 | | V/CA/CE V/CA/CE |
| QS-4405V | T | 2.375 | 2.937 | 3SC 3CE | 2.500 | 0.500 | | V/CA/SC/CA/CE |
| QS-6242V | T | 2.375 | 2.281 | 3C | 2.500 | 0.500 | | V/CA/CE |
| | | | | | | | | |
| QS-455 | T/U | 2.375 | 3.125 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-1198 | T/U | 2.375 | 3.125 | 1C | 2.500 | 0.500 | | B/CA/CE |
| | | | | | | | | |
| QS-519 | U | 2.375 | 2.500 | 3C | 2.500 | 0.500 | | B/CA/CE |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-------|-------|------------|------|---------|-------|-------|---------------|
| 1.750 (1-3/4") (continued) | | | | | | | | |
| QS-519-HC | U | 2.375 | 2.500 | 3C | 2.500 | 0.500 | HC | B/CA/CE |
| QS-555SS | U | 2.375 | 2.500 | 2SS | 2.500 | 0.500 | | B/CA/SS |
| QS-917 | U | 2.375 | 2.437 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-1042 | U | 2.375 | 2.500 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-1070 | U | 2.375 | 2.500 | 3C | 2.375 | 0.500 | | B/CA/CE |
| QS-1199 | U | 2.375 | 2.500 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-2157 | U | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-2170 | U | 2.375 | 2.000 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-3520E HC | U | 2.375 | 2.000 | 3TC | 2.500 | 0.500 | HC | E/CA/TC |
| QS-3884V | U | 2.375 | 2.500 | 1TC | 2.500 | 0.500 | | V/CA/TC |
| QS-4390A | U | 2.375 | 2.000 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-5681A | U | 2.375 | 2.000 | 2SS | 2.500 | 0.468 | | B/CA/SS |
| QS-5681AV | U | 2.375 | 2.000 | 2SS | 2.500 | 0.468 | | V/CA/SS |
| QS-5682A | U | 2.375 | 2.000 | 2SS | 2.375 | 0.468 | | B/CA/SS |
| QS-7090 | U | 2.375 | 2.000 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-4488 | UB | 2.375 | 2.375 | 3TC | 2.375 | 0.500 | | B/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3754 | V | 2.437 | 2.250 | 3C | 2.750 | 0.625 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-9106 | T9 | 2.500 | 1.375 | 2C | 2.500 | 0.500 | 316SS | CA/CE |
| QS-9023 | T9T | 2.312 | 1.375 | 3C | 2.500 | 0.500 | 316SS | CA/CE |
| QS-9064V | T9T | 2.312 | 1.375 | 3TC | 2.500 | 0.500 | 316SS | CA/TC |
| QS-9316 | T9T | 2.406 | 1.375 | --- | --- | --- | 316SS | CA/--- |
| QS-9400 | T9T | 2.312 | 1.375 | --- | --- | --- | 316SS | CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-8058V | T8-1 | 2.500 | 1.375 | 3SC | 2.500 | 0.500 | 316SS | V/CA/SC |
| QS-8133V | T8-1 | 2.500 | 1.375 | 3SC | 2.500 | 0.500 | 316SS | V/TC/SC |
| QS-8125 KA | T8B1T | 2.312 | 1.750 | 5TC | 2.125 | 0.500 | 316SS | PF/CA/TC |
| QS-8000 | T8B1T | 2.312 | 1.750 | --- | --- | --- | 316SS | V/CA/--- |
| QS-8063V | T81T | 2.312 | 1.375 | 3TC | 2.500 | 0.500 | 316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-26166AV | Z | SP | 2.250 | 1C | 2.500 | 0.500 | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 1.760 SHAFT | | | | | | | | |
| QS-3285A | E | 2.375 | 1.500 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------|--------|-------|------------|-------------------------|---------|-------|-------|--------------------|
| 1.771 (45MM) SHAFT | | | | | | | | |
| QS-45BDC | E | 2.375 | 2.000 | 1C | 2.500 | 0.500 | | B/CA/CE |
| QS-719 | E | 2.500 | 2.125 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-722 | E | 2.500 | 2.125 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-3285A | E | 2.375 | 1.500 | --- | --- | --- | | B/CA/C/--- |
| | | | | | | | | |
| | | | | | | | | |
| QSM-2978V | C-DBL | 2.625 | 1.375 | G60 | 66MM | --- | | V/SC/SC V/CA/CE |
| QS-3158V | G | 2.401 | 30MM | 25SC | 63MM | 8MM | | V/SC/SC |
| QS-6916V | G | 2.401 | 37MM | 1SC | 63MM | 8MM | 316SS | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-2926V | 43-DBL | 2.625 | 1.625 | G60 | --- | --- | | V/SC/SC V/CA/CE |
| QS-727 | T | 2.500 | 3.000 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-728 | T | 2.500 | 3.000 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1057A | T | 2.375 | 2.875 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| 1.812 (46MM) SHAFT | | | | | | | | |
| QS-3291A | D | 2.875 | 0.950 | 3SS | 2.750 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3245A | E | 2.500 | 1.375 | 3SS | 2.437 | 0.500 | | B/CA/SS |
| QS-3290A | E | 2.500 | 1.200 | 2SS | 2.812 | 0.375 | | B/CA/SS |
| QS-3295A | E | 2.500 | 1.750 | 2B | 2.750 | 0.562 | | B/CA/BR |
| QS-3300AN | E | 2.500 | 2.000 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3297AV | Z | 2.875 | 0.900 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| QS-3298AV | Z | 2.875 | 0.900 | SEAT UNITIZED WITH SEAL | | | | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| 1.844 SHAFT | | | | | | | | |
| QS-3305AN | C | 2.750 | 2.250 | 2SS | 2.750 | 0.500 | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| 1.875 (1-7/8") SHAFT | | | | | | | | |
| QS-312 | C | 2.750 | 1.500 | 3SS | 2.625 | 0.500 | ++ | B/CA/SS |
| QS-312-E-HC | C | 2.750 | 1.500 | 3SS | 2.625 | 0.500 | HC | B/CA/SS |
| QS-312V | C | 2.750 | 1.500 | 3SS | 2.625 | 0.500 | ++ | V/CA/SS |
| QS-340 | C | 2.750 | 1.500 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-340-E | C | 2.750 | 1.500 | 1C | 2.625 | 0.500 | | E/CA/CE |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|-------|-----------------|
| 1.875 (1-7/8") (continued) | | | | | | | | |
| QS-340-E-CATC | C | 2.750 | 1.500 | 1TC | 2.625 | 0.500 | | E/CA/TC |
| QS-340-HC | C | 2.750 | 1.500 | 1C | 2.625 | 0.500 | HC | B/CA/CE |
| QS-340-TC-SC | C | 2.750 | 1.500 | 1SC | 2.625 | 0.500 | | B/TC/SC |
| QS-340-TC-TC | C | 2.750 | 1.500 | 1TC | 2.625 | 0.500 | | B/TC/TC |
| QS-340V | C | 2.750 | 1.500 | 3C | 2.625 | 0.500 | | V/CA/CE |
| QS-340V-HC | C | 2.750 | 1.500 | 1C | 2.625 | 0.500 | HC | V/CA/CE |
| QS-340V-TC-SC | C | 2.750 | 1.500 | 1SC | 2.625 | 0.500 | | V/TC/SC |
| QS-1608 | C | 2.750 | 1.500 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1608V | C | 2.750 | 1.500 | 1SS | 2.625 | 0.500 | | V/CA/SS |
| QS-2114 | C | 2.750 | 1.500 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-2729 | C | 2.750 | 1.500 | 3SC | 2.625 | 0.500 | | B/SC/SC |
| QS-3211 | C | 2.750 | 2.125 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-3269BLS | C | 2.750 | --- | 1SS | 2.500 | 0.500 | | B/CA/SS |
| QS-3310A | C | 2.750 | 1.500 | --- | --- | --- | | B/CA/--- |
| QS-3335AN | C | 2.750 | 2.125 | 2BR | 2.750 | 0.562 | | N/CA/BR |
| QS-3352AV | C | 2.750 | 0.800 | 3SS | 2.453 | 0.312 | | V/CA/SS |
| QS-3353A | C | 2.750 | 0.800 | 3SS | 2.453 | 0.312 | | B/CA/SS |
| QS-3356A | C | 2.750 | 1.000 | 8SS | 3.528 | 0.437 | | B/CA/SS |
| QS-3360AN | C | 2.750 | 1.500 | --- | --- | --- | | N/CA/--- |
| QS-3365A | C | 2.750 | 0.950 | --- | --- | --- | | B/CA/--- |
| QS-3370AN | C | 2.750 | 1.625 | 51 | --- | PLT | | N/CA/PLT |
| QS-4219V | C | 2.921 | 0.688 | 3SS | 2.431 | 0.312 | | V/CA/SS |
| QS-4645A | C | 2.750 | 1.000 | 2BR | 3.000 | 0.437 | | B/CA/BR |
| QS-4485A | C | 2.750 | 1.750 | 1C | 2.625 | 0.578 | | B/CA/CE |
| QS-4885E HC | C | 2.750 | 1.500 | 1C | 2.625 | 0.500 | HC | E/CA/CE |
| QS-5011 | C | 2.561 | 1.000 | PLATE | 3.528 | 0.437 | | B/CA/SS |
| QS-5342 | C | 2.645 | 1.110 | 2C | 3.000 | 0.404 | | B/CA/CE |
| QS-5679E | C | 2.645 | 1.110 | 2C | 3.000 | 0.404 | | E/CA/CE |
| QS-5712 | C | 2.645 | 1.125 | 2SS | 3.000 | 0.474 | | B/CA/SS |
| QS-5717V | C | 2.645 | 1.110 | 2C | 3.000 | 0.404 | | V/CA/CE |
| QS-5721V | C | 2.561 | 1.000 | PLATE | PLATE | PLATE | | V/CA/PLT/S S |
| QS-6098V | C | 2.645 | 1.000 | 3 Special | 2.625 | 0.500 | ++ | V/CA/SS |
| QS-7935AN | C | 2.750 | 1.750 | 51 | --- | PLT | | N/CA/PLT |
| QS-1875V-C | C | 2.750 | 1.500 | --- | --- | --- | | V/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-223 | D | 2.875 | 1.500 | --- | --- | --- | | |
| QS-593 | D | 2.875 | 1.500 | 3SS | 2.625 | 0.500 | ++ | B/CA/SS |
| QS-828 | D | 2.875 | 1.500 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-1097 | D | 2.875 | 1.500 | 1SS | 2.625 | 0.500 | | B/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|---------|---------------|
| 1.875 (1-7/8") (continued) | | | | | | | | |
| QS-1620 | D | 2.875 | 1.500 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-2065 | D | 2.875 | 1.500 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-2066 | D | 2.875 | 1.500 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-2067 | D | 2.875 | 1.500 | 3C | 2.625 | 0.500 | | B/CA/SS |
| QS-2068 | D | 2.875 | 1.500 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-4107 | D | 2.875 | 1.500 | 3SC | 2.625 | 0.500 | ++ | B/CA/SC |
| QS-4333 | D | 2.875 | 1.500 | 3C | 2.625 | 0.500 | ++ | B/CA/CE |
| QS-6094V | D | 2.875 | 1.500 | 3SS | 2.625 | 0.500 | ++ | V/CA/SS |
| QS-46512 | D | 2.875 | --- | SP | SP | --- | | B/CA |
| | | | | | | | | |
| | | | | | | | | |
| QS-3070 | DB | 2.875 | 1.875 | 3C | 2.500 | 0.500 | ++ | B/CA/CE |
| QS-3818 | DB | 2.875 | 1.875 | 1TC | 2.500 | 0.500 | | B/CA/TC |
| QS-4486 | DB | 2.875 | 1.875 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-4563V | DB | 2.875 | 1.875 | 3TC | 2.500 | 0.500 | ++316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-513 | E | 2.500 | 2.125 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-523 | E | 2.500 | 2.125 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-586 | E | 2.500 | 2.125 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-586-SC-SC | E | 2.500 | 2.125 | 3SC | 2.625 | 0.500 | | B/SC/SC |
| QS-586-CASC | E | 2.500 | 2.125 | 3SC | 2.625 | 0.500 | | B/CA/SC |
| QS-586 TCTC | E | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | | B/TC/TC |
| QS-586V-SC-TC | E | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | | V/SC/TC |
| QS-829 | E | 2.500 | 2.437 | 3C | 2.687 | 0.500 | | B/CA/CE |
| QS-831 | E | 2.500 | 2.437 | 3SS | 2.687 | 0.500 | | B/CA/CE |
| QS-946 | E | 2.500 | 2.437 | 3C | 2.687 | 0.500 | | B/CA/CE |
| QS-949 | E | 2.500 | 2.437 | 3SS | 2.687 | 0.500 | | B/CA/SS |
| QS-1654 | E | 2.500 | 2.125 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-1655 | E | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | | B/CA/TC |
| QS-1656 | E | 2.500 | 2.125 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-1657 | E | 2.500 | 2.125 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1658 | E | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | | B/CA/TC |
| QS-1659V | E | 2.500 | 2.062 | 3C | 2.625 | 0.500 | | V/CA/CE |
| QS-1659V | E | 2.500 | 2.125 | 1C | 2.625 | 0.500 | | V/CA/CE |
| QS-1660V | E | 2.500 | 2.062 | 3SS | 2.625 | 0.500 | | V/CA/SS |
| QS-1661V | E | 2.500 | 2.062 | 3TC | 2.625 | 0.500 | | V/CA/TC |
| QS-1662 | E | 2.500 | 2.125 | 3C | 2.687 | 0.500 | | B/CA/CE |
| QS-1663 | E | 2.500 | 2.125 | 3SS | 2.687 | 0.500 | | B/CA/SS |
| QS-1664 | E | 2.500 | 2.125 | 3C | 2.687 | 0.500 | | B/CA/CE |
| QS-1665 | E | 2.500 | 2.125 | 3SS | 2.687 | 0.500 | | B/CA/SS |
| QS-1669V | E | 2.500 | 2.125 | 3TC | 2.687 | 0.500 | | V/CA/TC |
| QS-1672V | E | 2.500 | 2.125 | 3TC | 2.687 | 0.500 | | V/CA/TC |
| QS-1845VX | E | 2.500 | 2.125 | 3C | 2.687 | 0.500 | | V/CA/CE |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------------|---------|-------|-------|---------------|
| 1.875 (1-7/8") (continued) | | | | | | | | |
| QS-2069 | E | 2.500 | 2.125 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-2069-CATC | E | 2.500 | 2.125 | 1TC | 2.625 | 0.500 | | B/CA/TC |
| QS-2070 | E | 2.500 | 2.125 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-2071 | E | 2.500 | 2.125 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-2072 | E | 2.500 | 2.125 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-2072-TCTC | E | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | | B/TC/TC |
| QS-2110 | E | 2.500 | 2.125 | --- | --- | --- | | B/CA/--- |
| QS-3046E | E | 2.500 | 1.531 | 3C | 2.625 | 0.500 | ++ | E/CA/CE |
| QS-3049E | E | 2.500 | 1.531 | 3SC | 2.625 | 0.500 | ++ | E/TC/SC |
| QS-3315A | E | 2.500 | 1.750 | 1C | 2.625 | 0.579 | | B/CA/CE |
| QS-3322AN | E | 2.500 | 1.625 | --- | --- | --- | | N/CA/--- |
| QS-3929V | E | 2.500 | 1.906 | 3C | 2.625 | 0.500 | LC | V/CA/CE |
| QS-4025A | E | 2.500 | 2.125 | 1SS | 2.625 | 0.453 | | B/CA/SS |
| QS-4105A | E | 2.500 | 1.500 | 1C | 2.625 | 0.578 | | B/CA/CE |
| QS-4166V | E | 2.500 | 1.531 | 3TC | 2.625 | 0.500 | | V/TC/TC |
| QS-4171V | E | 2.500 | 2.125 | 3SS | 2.687 | 0.500 | | V/CA/SS |
| QS-4193V | E | 2.500 | 1.531 | 3TC | 2.625 | 0.500 | | V/CA/TC |
| QS-4270 | E | 2.500 | 2.125 | 3SC | 2.625 | 0.500 | | B/SC/SC |
| QS-4477AF HC | E | 2.500 | 1.906 | 3TC | 2.625 | 0.500 | HC | AF/CA/TC |
| QS-4595AN | E | 2.500 | 1.625 | 2SS | 2.625 | 0.437 | | N/CA/SS |
| QS-6865A | E | 2.500 | 1.500 | 2SS | 2.625 | 0.469 | | B/CA/SS |
| QS-7020V | E | 2.500 | 2.125 | 3C | 2.687 | 0.500 | | V/CA/CE |
| QS-7559 | E | 2.500 | 1.906 | 3C | 2.625 | 0.500 | LC/++ | B/CA/CE |
| QS-7698V | E | 2.500 | 1.906 | 3SS | 2.500 | 0.500 | LC/++ | V/CA/SS |
| QS-7869E HC | E | 2.500 | 2.125 | 1TC | 2.625 | 0.500 | HC | E/CA/TC |
| QS-7898 | E | 2.500 | 2.125 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-7951E HC | E | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | HC | E/CA/TC |
| QS-7962 | E | 2.500 | 2.125 | 3SS | 2.625 | 0.500 | | B/CA/SS |
| QS-8020A | E | 2.500 | 1.500 | 2SS | 2.625 | 0.469 | | B/CA/SS |
| QS-513V-1875 | E | 2.500 | 2.125 | --- | --- | --- | | V/CA/--- |
| QS-4193-1875 | E | 2.500 | 1.531 | --- | --- | --- | | V/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-50089 | E/SP | 2.500 | 2.125 | 3TC | 2.625 | 0.500 | | B/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3648V | EB | 2.500 | 2.500 | Special TC | 2.687 | 0.500 | | V/CA/TC |
| QS-4417V | EB | 2.500 | 2.500 | 3C | 2.500 | 0.500 | | V/CA/CE |
| QS-7827 | EB | 2.500 | 2.500 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-7884 | EB | 2.500 | 2.500 | 3SS | 2.500 | 0.500 | ++ | B/CA/SS |
| QS-7884V | EB | 2.500 | 2.500 | 3SS | 2.500 | 0.500 | ++ | V/CA/SS |
| | | | | | | | | |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|---------|---------|-------|-------|---------------|
| 1.875 (1-7/8") (continued) | | | | | | | | |
| QS-3017 | G | 2.520 | 1.181 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-3018 | G | 2.520 | 1.181 | 1SC | 2.625 | 0.500 | | B/SC/SC |
| | | | | | | | | |
| QS-318 | K | 2.750 | 2.125 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-318-TC-TC | K | 2.750 | 3.000 | 1TC | 2.625 | 0.500 | | B/TC/TC |
| QS-1693 | K | 2.750 | 2.125 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-2237 | K | 2.750 | 1.750 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-3190 | K | 2.750 | 1.750 | 1TC | 2.625 | 0.500 | | B/CA/TC/CA/TC |
| QS-3753 | K | 2.734 | 1.750 | 1SC 1CE | 2.625 | 0.500 | | B/CA/SC/SC/CE |
| QS-4217 | K | 2.750 | 1.843 | 1TC 1CE | 2.625 | 0.500 | | B/CA/TC/TC/CE |
| QS-4426 | K | 2.750 | 1.750 | 1TC 1CE | 2.625 | 0.500 | | B/CA/TC/SC/CE |
| QS-7352 | K | 2.750 | 2.125 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| QS-4787A | L-1 | 2.562 | 1.150 | 25CA | 2.625 | 0.500 | | B/SS/CA |
| | | | | | | | | |
| QS-4790A | L-2 | 2.562 | 1.750 | 25CA | 2.625 | 0.500 | | B/SS/CA |
| QS-4790AV | L-2 | 2.562 | 1.750 | 25CA | 2.625 | 0.500 | | V/SS/CA |
| QS-7940AN | L-2 | 2.500 | 2.625 | 51 | 2.871 | PLT | | N/CA/PLT |
| | | | | | | | | |
| QS-742 | T | 2.500 | 3.000 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-743 | T | 2.500 | 3.000 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1653 | T | 2.500 | 3.000 | 3C | 2.687 | 0.500 | | V/CA/CE |
| QS-2087A | T | 2.500 | 3.000 | 1C | 2.625 | 0.578 | | B/CA/CE |
| QS-3203 | T | 2.500 | 2.937 | 3TC 3CE | 2.625 | 0.500 | | B/SC/TC/CA/CE |
| QS-3320AN | T | 2.500 | 1.187 | --- | --- | --- | | N/CA/--- |
| QS-3321AN | T | 2.500 | 1.187 | 8SS | 2.625 | 0.312 | | N/CA/SS |
| QS-3964 | T | 2.500 | 2.500 | 3C | 2.625 | 0.437 | | B/CA/CE |
| QS-3979A | T | 2.500 | 1.187 | 2SS | 2.875 | 0.437 | | B/CA/CE |
| QS-4046 | T | 2.500 | 2.343 | 25C | 2.650 | 0.406 | | B/CA/CE |
| QS-4487A | T | 2.500 | 1.187 | 1C | 2.625 | 0.578 | | B/CA/CE |
| QS-4521V | T | 2.500 | 2.500 | 3SS | 2.625 | 0.437 | | V/CA/SS |
| QS-4780AN | T | 2.500 | 2.250 | 1SS | 2.625 | 0.453 | | N/CA/SS |
| QS-4805AN | T | 2.500 | 3.000 | 2SS | 2.625 | 0.469 | | N/CA/SS |
| QS-5087 | T | 2.500 | 2.500 | 3TC | 2.625 | 0.437 | | B/TC/TC |
| QS-7878 | T | 2.500 | 3.000 | 1C | 2.625 | 0.500 | | B/CA/CE |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|---------------|-------|------------|-----------|---------|-------|-------|---------------|
| 1.875 (1-7/8") (continued) | | | | | | | | |
| QS-538 | U | 2.500 | 2.437 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-538S | U | 2.500 | --- | 2SS | 2.625 | --- | | B/CA/SS |
| QS-554 | U | 2.500 | 2.437 | 3SS | 2.500 | 0.500 | | B/CA/SS |
| QS-898 | U | 2.500 | 2.437 | 3C | 2.500 | 0.500 | | B/CA/CE |
| QS-4592V | U | 2.500 | 2.125 | 5TC | 2.500 | 0.500 | | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-1105 | V | 2.500 | 2.000 | 25C | 2.640 | 0.406 | | B/CA/CE |
| QS-1108 | V | 2.500 | 2.000 | 1C | 2.625 | 0.500 | | B/CA/CE |
| QS-2146 | V | 2.500 | 2.000 | 3C | 2.625 | 0.437 | | B/CA/CE |
| QS-4467 | V | 2.437 | 2.000 | 3C | 2.625 | 0.437 | | B/CA/CE |
| QS-21456 | V | 2.500 | 2.000 | 3C | 2.625 | 0.437 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-9119E | T9T | 2.510 | 1.375 | 3TC | 2.625 | 0.500 | 316SS | E/CA/TC |
| QS-9340V | T9T | 2.510 | 1.375 | 3TC | 2.625 | 0.500 | 316SS | CA/TC |
| QS-9709V | T9T | 2.510 | 1.375 | 3C | 2.625 | 0.500 | 316SS | CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-8010V | T8B1 | 2.500 | 1.750 | 3TC | 2.375 | 0.500 | 316SS | V/CA/TC |
| QS-8124E | T8B1 | 2.625 | 1.750 | 3SC | 2.375 | 0.500 | 316SS | E/CA/SC |
| QS-8059E | T8B1T | 2.510 | 1.750 | 3TC | 2.375 | 0.500 | 316SS | E/CA/TC |
| QS-6097N | T Special 8-1 | 2.500 | 1.000 | 3 Special | 2.625 | 0.500 | 316SS | N/CA/TC |
| QS-8077V | T Special 8-1 | 2.500 | 1.500 | 3C | 2.000 | 0.500 | 316SS | V/CA/CE |
| QS-8076V | T81T | 2.510 | 1.750 | 3C | 2.625 | 0.437 | 316SS | V/CA/CE |
| QS-8094V | T81T | 2.510 | 1.375 | 3TC | 2.625 | 0.500 | 316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| 1.890 (48MM) SHAFT | | | | | | | | |
| QSMG12-3245 | MG12 | --- | --- | G60 | --- | --- | | V/SC/SC |
| QS-1448U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1448L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| 1.937 SHAFT | | | | | | | | |
| QS-3380AV | C | 2.750 | 1.500 | 2SS | 3.000 | 0.375 | | V/CA/SS |
| QS-3970A | C | 2.750 | 1.250 | 3SS | 2.750 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3385AN | L-1 | 2.562 | 1.875 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3375AN | L-2 | 2.562 | 1.250 | --- | --- | --- | | N/CA/--- |
| QS-3390AN | L-2 | 2.562 | 3.750 | --- | --- | --- | | N/CA/--- |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|---------------------------|-------|-------|------------|------|---------|-------|-------|--------------------|
| 1.969 (50MM) SHAFT | | | | | | | | |
| QSM-2983V | C-DBL | 2.875 | 2.125 | G60 | 72MM | --- | | V/SC/SC V/CA/CE |
| QS-1969 | K | 2.875 | 2.125 | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| 2.000 (2") SHAFT | | | | | | | | |
| QS-267 | C | 2.875 | 1.500 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-267-E | C | 2.875 | 1.500 | 1C | 2.750 | 0.500 | | E/CA/CE |
| QS-267-HC | C | 2.875 | 1.500 | 1C | 2.750 | 0.500 | HC | B/CA/CE |
| QS-267-SC-SC | C | 2.875 | 1.500 | 1SC | 2.750 | 0.500 | | B/SC/SC |
| QS-267-SC-TC | C | 2.875 | 1.500 | 3TC | 2.750 | 0.500 | LC | B/SC/TC |
| QS-267-SC-TC | C | 2.875 | 1.500 | 3TC | 2.750 | 0.500 | | B/SC/TC |
| QS-267-CATC | C | 2.875 | 1.500 | 3TC | 2.750 | 0.500 | | B/CA/TC |
| QS-267V | C | 2.875 | 1.500 | 3C | 2.750 | 0.500 | ++ | V/CA/CE |
| QS-267V-HC | C | 2.875 | 1.500 | 1C | 2.750 | 0.500 | HC | B/CA/CE |
| QS-267V-SC-SC | C | 2.875 | 1.500 | 3SC | 2.750 | 0.500 | ++ | V/SC/SC |
| QS-267V-SCTC | C | 2.875 | 1.500 | 1TC | 2.750 | 0.500 | ++/LC | V/SC/TC |
| QS-267V-CATC | C | 2.875 | 1.500 | 3TC | 2.750 | 0.500 | ++ | V/CA/TC |
| QS-332 | C | 2.875 | 1.500 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-435 | C | 2.875 | 1.218 | 17CS | 2.750 | 0.812 | | B/CA/CE/SS |
| QS-532 | C | 2.875 | 1.500 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-576 | C | 2.875 | 1.231 | 2SS | 3.060 | 0.250 | | B/CA/SS |
| QS-582 | C | 2.875 | 1.125 | 3SS | 3.000 | 0.500 | | B/CA/SS |
| QS-842 | C | 2.875 | 1.500 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-842-HC | C | 2.875 | 1.500 | 1SS | 2.750 | 0.500 | HC | B/CA/SS |
| QS-842-CATC | C | 2.875 | 1.500 | 1TC | 2.750 | 0.500 | | B/CA/TC |
| QS-842V | C | 2.875 | 1.500 | 1SS | 2.750 | 0.500 | | V/CA/SS |
| QS-842V-HC | C | 2.875 | 1.500 | 1SS | 2.750 | 0.500 | HC | V/CA/SS |
| QS-1017 | C | 2.875 | 2.125 | 1SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-1017-CATC | C | 2.875 | 2.125 | 3TC | 2.750 | 0.500 | | B/CA/TC |
| QS-1020 | C | 2.875 | 1.500 | 3SS | 3.000 | 0.500 | | B/CA/SS |
| QS-1020-E-HC | C | 2.875 | 1.500 | 3SS | 3.000 | 0.500 | HC | E/CA/SS |
| QS-1020V | C | 2.875 | 1.500 | 3SS | 3.000 | 0.500 | | V/CA/SS |
| QS-1022AN | C | 2.875 | 1.750 | 51 | --- | PLT | | N/CA/PLT |
| QS-1024AN | C | 2.875 | 1.750 | 52 | 2.937 | 0.437 | | N/CA/PLT |
| QS-1028 | C | 2.875 | 1.250 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-1029AN | C | 2.875 | 3.000 | 51 | 3.750 | PLT | | N/CA/PLT |
| QS-1037 | C | 2.875 | 1.500 | 28S | 4.330 | 1.060 | | B/CA/SS |
| QS-1037V | C | 2.875 | 1.500 | 28S | 4.330 | 1.060 | | V/CA/SS |
| QS-1145V | C | 2.875 | 1.500 | 3SS | 2.750 | 0.500 | | V/CA/SS |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|-------|---------|-------|-------|---------------|
| 2.000 (2") (continued) | | | | | | | | |
| QS-2111 | C | 2.875 | 1.500 | --- | --- | --- | | B/CA/--- |
| QS-2133 | C | 2.875 | 2.125 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-2133-HC | C | 2.875 | 2.125 | 1C | 2.750 | 0.500 | HC | B/CA/CE |
| QS-2139 | C | 2.875 | 1.250 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-2219 TCTC | C | 2.875 | 1.500 | 1TC | 2.750 | 0.500 | | B/TC/TC |
| QS-3027E | C | 2.875 | 1.500 | 3TC | 3.000 | 0.500 | | E/CA/TC |
| QS-3415AN | C | 2.875 | 1.500 | 51 | 4.005 | PLT | | N/CA/PLT |
| QS-3420AN | C | 2.875 | 1.500 | --- | --- | --- | | N/CA/--- |
| QS-3425AN | C | 2.875 | 2.500 | 2SS | 2.875 | 0.500 | | N/CA/SS |
| QS-3426AN | C | 2.875 | 1.125 | 2SS | 2.937 | 0.500 | | N/CA/SS |
| QS-3445AN | C | 2.875 | 3.000 | 51 | 3.750 | PLT | | N/CA/PLT |
| QS-3460AN | C | 2.875 | 1.750 | 51 | --- | PLT | | N/CA/PLT |
| QS-3470A | C | 2.875 | 1.500 | 3SS | 2.625 | 0.562 | | B/CA/SS |
| QS-3470AV | C | 2.875 | 1.500 | 3SS | 2.625 | 0.562 | | V/CA/SS |
| QS-3475AN | C | 2.875 | 1.250 | 51/2S | 3.437 | PLT | | N/CA/PLT |
| QS-3480A | C | 2.875 | 1.125 | 3SS | 3.000 | 0.359 | | B/CA/SS |
| QS-3480AV | C | 2.875 | 1.125 | 3SS | 3.000 | 0.359 | | V/CA/SS |
| QS-3485AN | C | 2.875 | 3.375 | 51 | 4.219 | PLT | | N/CA/PLT |
| QS-3580E HC | C | 2.875 | 1.500 | 1TC | 2.750 | 0.500 | HC | E/CA/TC |
| QS-3674E HC | C | 2.875 | 2.125 | 1SS | 2.750 | 0.500 | HC | E/CA/SS |
| QS-3676 | C | 2.875 | 1.250 | 1TC | 2.750 | 0.500 | | B/TC/TC |
| QS-3688 | C | 2.875 | 1.062 | 3TC | 2.750 | 0.500 | | B/TC/TC |
| QS-3716V | C | 2.875 | 1.500 | 1SC | 2.750 | 0.500 | | V/CA/SC |
| QS-3721 | C | 2.875 | 1.062 | 3TC | 2.750 | 0.500 | ++ | B/SC/TC |
| QS-3810V-CMS | C | 2.875 | 1.250 | 1CE | 2.750 | 0.500 | | V/CA/CE |
| QS-3875 | C | 2.875 | 1.250 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-3990 | C | 2.875 | 1.500 | 1C | 2.750 | 0.437 | | B/CA/CE |
| QS-3993 | C | 2.875 | 1.062 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-3995A | C | 2.875 | 2.125 | 1C | 2.750 | 0.437 | | B/CA/CE |
| QS-4015 | C | 2.875 | 1.062 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-4080A | C | 2.875 | 2.125 | 1C | 2.687 | 0.469 | | B/CA/CE |
| QS-4120V | C | 2.875 | 1.500 | 1SS | 2.750 | 0.500 | 316SS | V/CA/SS |
| QS-4178V | C | 2.875 | 1.062 | 3SC | 2.750 | 0.500 | | V/SC/SC |
| QS-4185A | C | 2.875 | 1.250 | 3SS | 2.750 | 0.794 | | B/CA/SS |
| QS-4187A | C | 2.875 | 1.500 | 3SS | 2.750 | 0.625 | | B/CA/SS |
| QS-4235 | C | 2.875 | 1.500 | 3SC | 2.750 | 0.500 | | B/CA/SC |
| QS-4239 | C | 2.875 | 1.062 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-4255AN | C | 2.875 | 1.500 | 3SS | 2.750 | 0.497 | | N/CA/SS |
| QS-4287E HC | C | 2.875 | 1.500 | 3C | 3.000 | 0.500 | HC | E/CA/CE |
| QS-4345 HC | C | 2.875 | 1.500 | 3C | 3.000 | 0.500 | HC | B/CA/CE |
| QS-4416 | C | 2.875 | 1.250 | 3C | 2.750 | 0.500 | | B/CA/CE |
| QS-5224 | C | 2.598 | 1.500 | 1C | 2.750 | 0.500 | | B/CA/CE |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|-------|---------|-------|---------|---------------|
| 2.000 (2") (continued) | | | | | | | | |
| QS-6085AN | C | 2.875 | 1.750 | 2SS | 2.875 | 0.406 | | N/CA/SS |
| QS-6155AN | C | 2.875 | 1.500 | 51 | 4.312 | PLT | | N/CA/PLT |
| QS-6165AN | C | 2.875 | 2.125 | 51 | 4.312 | PLT | | N/CA/PLT |
| QS-6213V | C | 2.875 | 1.500 | 1TC | 2.750 | 0.500 | 316SS | V/TC/TC |
| QS-6218V | C | 2.875 | 1.500 | 1TC | 2.750 | 0.500 | | V/TC/TC |
| QS-6224V | C | 2.875 | 1.500 | 1SC | 2.750 | 0.500 | | V/SC/SC |
| QS-6238 | C | 2.875 | 1.062 | 3SC | 2.750 | 0.500 | | B/SC/SC |
| QS-6247V | C | 2.875 | 1.062 | 3SS | 2.750 | 0.500 | | V/A/SS |
| QS-6695AN | C | 2.875 | 1.500 | 2SS | 2.875 | 0.500 | | N/CA/SS |
| QS-7100A | C | 2.875 | 1.500 | 1C | 2.750 | 0.438 | | B/CA/CE |
| QS-7105A | C | 2.875 | 1.750 | 2SS | 2.875 | 0.406 | | B/CA/SS |
| QS-7309E | C | 2.875 | 1.500 | 3TC | 2.750 | 0.500 | ++ | E/CA/TC |
| QS-7731V | C | 2.875 | 1.500 | 3SC | 2.750 | 0.500 | | V/SC/SC |
| QS-7781 | C | 2.875 | 1.062 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-7781-SCTC | C | 2.875 | 1.062 | 1TC | 2.750 | 0.500 | | B/SC/TC |
| QS-8315A | C | 2.875 | 1.750 | 2SS | 2.937 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-193 | D | 3.000 | 1.500 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-196 | D | 3.000 | 1.500 | --- | --- | --- | | B/CA/--- |
| QS-333 | D | 3.000 | 1.500 | 3SS | 2.812 | 0.500 | | B/CA/SS |
| QS-445 | D | 3.000 | 1.500 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-445V | D | 3.000 | 1.500 | 3C | 2.750 | 0.500 | | V/CA/CE |
| QS-462 | D | 3.000 | 1.500 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-462V | D | 3.000 | 1.500 | 3SS | 2.750 | 0.500 | ++ | V/CA/SS |
| QS-832 | D | 3.000 | 1.500 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-833 | D | 3.000 | 1.500 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-876 | D | 3.000 | 1.500 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1134 | D | 3.000 | 1.500 | 3SS | 2.750 | 0.500 | | B/CA/SS |
| QS-2073 | D | 3.000 | 1.500 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-2073V-SC-TC | D | 3.000 | 1.500 | 1TC | 2.750 | 0.500 | | V/SC/TC |
| QS-2074 | D | 3.000 | 1.500 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-2075 | D | 3.000 | 1.500 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-2076 | D | 3.000 | 1.500 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-3066V | D | 3.000 | 1.500 | 1SC | 2.750 | 0.500 | | V/SC/SC |
| QS-3142V | D | 3.000 | 1.500 | 3SC | 2.750 | 0.500 | ++316SS | V/TC/SC |
| QS-3153 | D | 3.000 | 1.500 | 3SC | 2.750 | 0.500 | ++ | B/TC/SC |
| QS-3898V | D | 3.000 | 1.500 | 3TC | 2.750 | 0.500 | | V/CA/TC |
| QS-4154V | D | 3.000 | 1.500 | 3SS | 2.750 | 0.500 | 316SS | V/CA/SS |
| QS-6115N | D | 3.187 | 1.653 | PLATE | 5.125 | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-319 | E | 2.625 | 2.125 | 1C | 2.687 | 0.500 | | B/CA/CE |

NOTE: ++ - SLOTTED SEAT
 PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|-------|----------|---------------|
| 2.000 (2") (continued) | | | | | | | | |
| QS-319-HC | E | 2.625 | 2.125 | 1C | 2.687 | 0.500 | HC/++ | B/CA/CE |
| QS-319V | E | 2.625 | 2.125 | 1C | 2.687 | 0.500 | | V/CA/CE |
| QS-342 | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | | B/CA/SS |
| QS-462V | E | 2.625 | 2.125 | 3SC | 2.750 | 0.500 | | V/TC/SC |
| QS-477 | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-477-E | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | ++ | E/CA/SS |
| QS-477-E-SC | E | 2.625 | 2.125 | 3SC | 2.750 | 0.500 | ++ | E/CA/SC |
| QS-477-HC | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | HC/++ | B/CA/SS |
| QS-477-TC-SC | E | 2.625 | 2.125 | 3SC | 2.750 | 0.500 | ++ | B/TC/SC |
| QS-477-CATC | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | ++ | B/CA/TC |
| QS-477-TC-TC | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | ++ | B/TC/TC |
| QS-477V | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | ++ | V/CA/SS |
| QS-477V-CATC | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | ++ | V/CA/TC |
| QS-477V-TC-TC | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | ++ | V/TC/TC |
| QS-478 | E | 2.625 | 2.125 | 1SS | 2.687 | 0.500 | | B/CA/SS |
| QS-479 | E | 2.625 | 2.125 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-479-HC | E | 2.625 | 2.125 | 1C | 2.750 | 0.500 | HC | B/CA/CE |
| QS-479-SC-TC | E | 2.625 | 2.125 | 1TC | 2.750 | 0.500 | | B/SC/TC |
| QS-479V | E | 2.625 | 2.125 | 3C | 2.750 | 0.500 | | V/CA/CE |
| QS-479V-HC | E | 2.625 | 2.125 | 1C | 2.750 | 0.500 | HC | V/CA/CE |
| QS-479V-TC | E | 2.625 | 2.125 | 1TC | 2.750 | 0.500 | | V/CA/TC |
| QS-479V-TC-TC | E | 2.625 | 2.125 | 1TC | 2.750 | 0.500 | | V/TC/TC |
| QS-530 | E | 2.625 | 2.125 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-843 | E | 2.625 | 2.125 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-843V | E | 2.625 | 2.125 | 1SS | 2.750 | 0.500 | | V/CA/SS |
| QS-1018A | E | 2.625 | 1.500 | 3SS | 2.750 | 0.500 | | B/CA/SS |
| QS-1033A | E | 2.625 | 1.500 | 51 | 4.000 | PLT | | B/CA/PLT |
| QS-1033AV | E | 2.625 | 1.500 | 51 | 4.000 | PLT | | V/CA/PLT |
| QS-1609 | E | 2.625 | 2.125 | 1SS | 2.625 | 0.500 | | B/CA/SS |
| QS-1685 | E | 2.625 | 2.125 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-2077 | E | 2.625 | 2.125 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-2078 | E | 2.625 | 2.125 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-2079 | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | | B/CA/SS |
| QS-2112 | E | 2.625 | 2.125 | --- | --- | --- | | B/CA/--- |
| QS-2112V | E | 2.625 | 2.125 | --- | --- | --- | 316SS | V/CA/--- |
| QS-2112V-HC | E | 2.625 | 2.125 | --- | --- | --- | HC/316SS | V/CA/--- |
| QS-3079V HC | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | HC/++ | V/CA/SS |
| QS-3108E HC | E | 2.625 | 2.125 | TC5 | 2.750 | 0.500 | HC | E/CA/TC |
| QS-3522 HC | E | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | HC | B/CA/SS |
| QS-3639E | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | ++ | E/CA/TC |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|-----------|-------|------------|---------|---------|-------|-------------------|-------------------|
| 2.000 (2") (continued) | | | | | | | | |
| QS-3708 HC | E | 2.625 | 2.125 | 5TC | 2.750 | 0.500 | HC | B/CA/TC |
| QS-3708V CATC | E | 2.625 | 2.125 | 5TC | 2.750 | 0.500 | | V/CA/TC |
| QS-3999V | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | | V/CA/TC |
| QS-4312 | E | 2.625 | 2.125 | 3SS | 3.000 | 0.500 | | B/CA/SS |
| QS-4376E | E | 2.625 | 2.125 | 3C | 2.750 | 0.500 | | E/CA/CE |
| QS-4432 | E | 2.625 | 2.125 | 3SC | 2.750 | 0.500 | | B/SC/SC |
| QS-4600 | E | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | | B/TC/TC |
| QS-5265A | E | 2.625 | 2.500 | 1SS | 2.750 | 0.440 | | B/CA/SS |
| QS-6104N | E | 2.730 | 2.165 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-3644N | E Special | 2.625 | 1.843 | 3SS | 2.750 | 0.500 | ++ | N/CA/SS |
| QS-3952 | E Special | 2.625 | 1.843 | 3SS | 3.031 | 0.500 | INCLUDE SLEEVE | N/CA/SS |
| QS-6007N | E Special | 2.730 | 2.165 | PLATE | 5.875 | 0.750 | | N/CA/PLT |
| | | | | | | | | |
| QS-3088 HC | EB | 2.625 | 2.500 | 3TC | 2.500 | 0.500 | HC/++ | E/CA/TC |
| QS-3304 | EB | 2.625 | 2.500 | 3CE | 2.625 | 0.500 | ++ | B/CA/CE |
| QS-4102V | EB | 2.625 | 2.500 | 3TC | 2.625 | 0.500 | | V/CA/TC |
| QS-4291 | EB | 2.625 | 2.500 | 3TC | 2.625 | 0.500 | | B/CA/TC |
| QS-4419V | EB | 2.625 | 2.500 | 3C | 2.625 | 0.500 | | V/CA/CE |
| QS-7890V | EB | 2.625 | 2.500 | 3SS | 2.625 | 0.500 | ++ | V/CA/SS |
| QS-7892 | EB | 2.625 | 2.500 | 3SS | 2.625 | 0.500 | ++ | B/CA/SS |
| QS-7910 | EB | 2.625 | 2.500 | 1C | 2.625 | 0.500 | | B/CA/CE |
| | | | | | | | | |
| QS-3019E | G | 2.598 | 1.500 | 25SC | 2.750 | 0.500 | 316SS | E/SC/SC |
| QS-3170V | G | 2.598 | 1.500 | 25SC | 2.750 | 0.500 | 316SS | V/CA/SC |
| QS-4357E | G | 2.598 | 1.500 | 25SC | 2.750 | 0.500 | | E/CA/SC |
| | | | | | | | | |
| QS-1040 | K | 2.625 | 2.125 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-1265A | K | 2.625 | 2.125 | 2SS | 2.750 | 0.500 | | B/CA/SS |
| QS-1266A | K | 2.625 | 2.125 | 3C | 2.750 | 0.500 | | B/CA/CE |
| QS-2143 | K | 2.625 | 2.125 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-3254V | K | 2.875 | 2.125 | 3TC | 2.750 | 0.500 | 316SS | V/TC/TC |
| QS-3465A | K | 2.625 | 2.125 | 2SS | 2.937 | 0.437 | | B/CA/SS |
| QS-4294 | K | 2.875 | 1.500 | 1SC 1TC | 2.750 | 0.500 | | B/CA/SC/CA /TC |
| QS-4343 | K | 2.859 | 2.125 | 1TC 3CE | 2.750 | 0.500 | | B/CA/TC/CA /CE |
| QS-4478 | K | 2.859 | 1.875 | 1C | 2.750 | 0.500 | | B/CA/CE |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|---------|-------|------------|---------|---------|-------|-------|-------------------|
| 2.000 (2") (continued) | | | | | | | | |
| QS-4853AN | K | 2.625 | 2.125 | 3SS | 2.875 | 0.500 | | N/CA/SS |
| QS-7196 | K | 2.875 | 2.125 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-7196V | K | 2.875 | 2.125 | 3C | 2.750 | 0.500 | ++ | V/CA/CE |
| QS-7963 | K | 2.875 | 2.125 | 3C | 3.000 | 0.500 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-1951AN | L-1 | 2.875 | 2.375 | --- | --- | --- | | N/CA/--- |
| QS-3430AN | L-1 | 3.062 | 1.750 | --- | --- | --- | | N/CA/--- |
| QS-3435AN | L-1 | 3.062 | 1.750 | --- | --- | --- | | N/CA/--- |
| QS-6635AN | L-1 | 2.625 | 2.375 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3406AN | L-2 | 2.625 | 2.000 | --- | --- | --- | | N/CA/--- |
| QS-8025AN | L-2 | 2.625 | 2.750 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-658 | R | 3.000 | 2.125 | 1SS | 2.750 | 0.500 | | B/CA/SS |
| QS-1610 | R | 3.000 | 2.125 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-RO-051 | RO | --- | --- | 25 | 2.750 | --- | | V/TC/CA |
| QS-4052 | Special | 2.750 | 0.750 | Special | 2.750 | 0.375 | | B/A/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-3413A | T | 2.598 | 1.875 | 1C | 2.750 | 0.500 | | B/CA/CE |
| QS-4208V | T | 2.625 | 3.000 | 3TC 3TC | 2.750 | 0.500 | ++ | V/CA/TC/C A/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-385 | U | 2.625 | 2.500 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-385A | U | 2.625 | 2.000 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-385V | U | 2.625 | 2.000 | 3SS | 2.750 | 0.500 | | V/CA/SS |
| QS-386 | U | 2.625 | 2.500 | 3SS | 2.812 | 0.500 | | B/CA/SS |
| QS-456 | U | 2.625 | 2.218 | 3SS | 2.750 | 0.500 | ++ | B/CA/SS |
| QS-456-E | U | 2.625 | 2.218 | 3SS | 2.750 | 0.500 | | E/CA/SS |
| QS-456V | U | 2.625 | 2.218 | 3SS | 2.750 | 0.500 | | V/CA/SS |
| QS-456V-SC- SC | U | 2.625 | 2.218 | 3SC | 2.750 | 0.500 | | V/SC/SC |
| QS-456V- CATC | U | 2.625 | 2.218 | 3TC | 2.750 | 0.500 | | V/CA/TC |
| QS-888 | U | 2.625 | 2.437 | 3C | 2.625 | 0.500 | | B/CA/CE |
| QS-3044E | U | 2.625 | 2.218 | 3SC | 2.750 | 0.500 | | E/CA/SC |
| QS-3083V | U | 2.625 | 2.218 | 3SC | 2.750 | 0.500 | | V/CA/SC |
| QS-3591E HC | U | 2.625 | 2.218 | 3TC | 2.750 | 0.500 | HC | E/CA/TC |
| QS-3649AF | U | 2.625 | 2.218 | 3SC | 2.750 | 0.500 | | AF/TC/SC |
| QS-3999 | U | 2.625 | 2.125 | 3TC | 2.750 | 0.500 | ++ | V/SC/TC |
| QS-4258 | U | 2.625 | 2.218 | 3SC | 2.750 | 0.500 | | B/TC/SC |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|-------|-------|------------|-------------------------|---------|-------|---------|---------------|
| 2.000 (2") (continued) | | | | | | | | |
| QS-4391V | U | 2.625 | 2.000 | 3SC | 2.750 | 0.500 | | V/SC/SC |
| QS-4468V | U | 2.625 | 2.000 | 3SC | 2.750 | 0.500 | | V/CA/SC |
| QS-4474 | U | 2.625 | 2.000 | 3C | 2.750 | 0.500 | | B/CA/CE |
| QS-7400 | U | 2.625 | 2.218 | 3C | 2.750 | 0.500 | | B/CA/CE |
| QS-7616V | U | 2.625 | 2.000 | 3SC | 2.750 | 0.500 | ++/LC | V/TC/SC |
| | | | | | | | | |
| QS-9703N | T9B | 2.750 | 1.750 | Special | 2.500 | 0.500 | 316SS | CA/SC |
| QS-9712 | T9B | 2.750 | 1.750 | 3SS | 2.500 | 0.937 | 316SS | CA/SS |
| | | | | | | | | |
| QS-8134V | T8-1 | 2.750 | 1.375 | 3SC | 2.750 | 0.500 | 316SS | V/TC/SC |
| QS-8561E | T8-1 | 2.750 | 1.375 | 5TC | 2.750 | 0.500 | 316SS | E/CA/TC |
| QS-8122AF | T8B1 | 2.750 | 1.750 | 3SC | 2.500 | 0.500 | ++316SS | AF/CA/SC |
| QS-8053V HC | T8B1T | 2.625 | 1.750 | 3TC | 2.500 | 0.500 | HC/++ | V/CA/TC |
| QS-8119 | T8B1T | 2.625 | 1.750 | 3C | 2.500 | 0.500 | 316SS | V/CA/CE |
| | | | | | | | | |
| QS-3418AV | Z | 3.250 | 0.950 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 2.062 (2-1/16") SHAFT | | | | | | | | |
| QS-707 | E | 2.812 | 2.375 | 3SS | 2.875 | 0.562 | | B/CA/SS |
| QS-1611 | E | 2.812 | 2.375 | 3C | 2.875 | 0.562 | | B/CA/CE |
| QS-3487A | E | 2.812 | 2.375 | 3SS | 2.875 | 0.562 | | B/CA/SS |
| | | | | | | | | |
| QS-3562 | T | 2.812 | 3.375 | 3SS | 2.937 | 0.562 | | B/CA/SS |
| | | | | | | | | |
| QS-3421AV | Z | 3.500 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| QS-3422AV | Z | 3.500 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 2.125 (2-1/8") SHAFT | | | | | | | | |
| QS-336 | C | 3.000 | 1.687 | 2SS | 3.000 | 0.562 | | B/CA/SS |
| QS-338 | C | 3.000 | 1.687 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-338-E | C | 3.000 | 1.687 | 3C | 3.000 | 0.562 | ++ | E/CA/CE |
| QS-338LS | C | 3.000 | 2.375 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-338V | C | 3.000 | 1.687 | 3C | 3.000 | 0.562 | ++ | V/CA/CE |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 2.125 (2-1/8") (continued) | | | | | | | | |
| QS-338V-SC-SC | C | 3.000 | 1.687 | 3SC | 3.000 | 0.562 | ++ | V/SC/SC |
| QS-543 | C | 3.000 | 1.687 | 1SS | 3.000 | 0.562 | ++ | B/CA/SS |
| QS-543V | C | 3.000 | 1.687 | 3SS | 3.000 | 0.562 | ++ | V/CA/SS |
| QS-844 | C | 3.000 | 1.687 | 1C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-844-HC | C | 3.000 | 1.687 | 1C | 3.000 | 0.562 | HC/++ | B/CA/CE |
| QS-854 | C | 3.000 | 1.687 | 3C | 2.875 | 0.562 | ++ | B/CA/CE |
| QS-855 | C | 3.000 | 1.687 | 3SS | 2.875 | 0.562 | ++ | B/CA/SS |
| QS-1057 | C | 3.000 | 1.687 | 3SS | 3.000 | 0.562 | ++ | B/CA/SS |
| QS-3495AN | C | 3.000 | 3.000 | 2SS | 3.000 | 0.500 | | N/CA/SS |
| QS-3500AN | C | 3.000 | 2.000 | 2BR | 3.000 | 0.500 | | N/CA/BR |
| QS-3505A | C | 3.000 | 1.000 | 3SS | 3.250 | 0.500 | | B/CA/SS |
| QS-3510A | C | 3.000 | 1.000 | 2SS | 3.000 | 0.375 | | B/CA/SS |
| QS-3510AE | C | 3.000 | 1.000 | 2SS | 3.000 | 0.375 | | E/CA/SS |
| QS-3510AV | C | 3.000 | 1.000 | 2SS | 3.000 | 0.375 | | V/CA/SS |
| QS-3520AN | C | 3.000 | 2.125 | 51 | 3.625 | PLT | | N/CA/PLT |
| QS-3521AN | C | 3.000 | 1.687 | 51 | 4.250 | PLT | | N/CA/PLT |
| QS-3525AN | C | 3.000 | 1.687 | 51 | 4.250 | PLT | | N/CA/PLT |
| QS-3606V CASC | C | 3.000 | 1.687 | 3SC | 3.000 | 0.562 | | V/CA/SC |
| QS-4235 | C | 3.000 | 2.375 | 3C | 3.000 | 0.562 | | B/CA/CE |
| QS-4276V | C | 3.000 | 2.375 | 3SS | 3.000 | 0.562 | ++ | V/CA/SS |
| QS-4314E | C | 2.968 | 1.687 | 3TC | 3.000 | 0.562 | ++ | E/CA/TC |
| QS-4436V | C | 3.000 | 1.687 | 1C | 3.000 | 0.562 | | V/CA/CE |
| QS-4508 | C | 3.000 | 2.375 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-4570V | C | 3.000 | 1.687 | 3SC | 3.000 | 0.562 | ++ | V/TC/SC |
| QS-5700AN | C | 3.000 | 1.687 | 2SS | 2.844 | 0.468 | | N/CA/SS |
| QS-5706V | C | 2.812 | 1.197 | 2SS | 3.000 | 0.500 | 316SS | V/CA/SS |
| QS-6110A | C | 3.000 | 2.000 | 1SS | 2.812 | 0.469 | | B/CA/SS |
| QS-6120A | C | 3.000 | 2.000 | 1SS | 2.812 | 0.469 | | B/CA/SS |
| QS-6120AV | C | 3.000 | 2.000 | 1SS | 2.812 | 0.469 | | V/CA/SS |
| QS-2120A | C | 3.000 | 1.687 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-1686 | D | 3.250 | 1.687 | 1C | 3.000 | 0.562 | | B/CA/CE |
| QS-1687 | D | 3.250 | 1.687 | 1SS | 3.000 | 0.562 | | B/CA/SS |
| QS-2093 | D | 3.250 | 1.687 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-2102 | D | 3.250 | 1.687 | 3SS | 3.000 | 0.562 | | B/CA/SS |
| QS-2125 | D | 3.250 | 1.687 | 2SS | 3.000 | 0.562 | | B/CA/SS |
| QS-3035E HC | D | 3.250 | 1.687 | 1SC | 3.000 | 0.562 | HC | E/CA/SC |
| QS-3515AN | D | 3.250 | 1.125 | 51 | 3.625 | PLT | | N/CA/PLT |
| QS-3809V | D | 3.250 | 1.687 | 3TC | 3.000 | 0.562 | ++ | V/SC/TC |
| QS-4079V HC | D | 3.250 | 1.687 | 3SC | 3.000 | 0.562 | HC/++ | V/CA/SC |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 2.125 (2-1/8") (continued) | | | | | | | | |
| QS-4080 | D | 3.250 | 1.687 | 3SC | 3.000 | 0.562 | | V/CA/SC |
| QS-4437 | D | 3.250 | 1.687 | 2SS | 3.000 | 0.562 | | B/CA/SS |
| | | | | | | | | |
| QS-327 | E | 2.812 | 2.375 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-327V | E | 2.812 | 2.375 | 3C | 3.000 | 0.562 | ++ | V/CA/CE |
| QS-353 | E | 2.812 | 2.375 | 2SS | 3.000 | 0.625 | | B/CA/SS |
| QS-353V | E | 2.812 | 2.375 | 3SS | 3.000 | 0.562 | | V/CA/SS |
| QS-537 | E | 2.812 | 2.375 | 1C | 3.000 | 0.562 | | B/CA/CE |
| QS-537-HC | E | 2.812 | 2.375 | 1C | 3.000 | 0.562 | HC | B/CA/CE |
| QS-611 | E | 2.812 | 2.375 | 3C | 2.812 | 0.437 | | B/CA/CE |
| QS-611-HC | E | 2.812 | 2.375 | 3C | 2.812 | 0.437 | HC | B/CA/CE |
| QS-612 | E | 2.812 | 2.250 | 3SS | 2.812 | 0.437 | | B/CA/SS |
| QS-856 | E | 2.812 | 2.375 | 3C | 2.875 | 0.562 | ++ | B/CA/CE |
| QS-857 | E | 2.812 | 2.375 | 3SS | 2.875 | 0.562 | ++ | B/CA/SS |
| QS-857V | E | 2.812 | 2.375 | 3SS | 2.875 | 0.562 | ++ | V/CA/SS |
| QS-857V-CATC | E | 2.812 | 2.375 | 3TC | 2.875 | 0.562 | ++ | V/CA/TC |
| QS-859V-TC-SC | E | 2.812 | 2.375 | 3SC | 2.875 | 0.562 | | V/TC/SC |
| QS-1612 | E | 2.812 | 2.250 | 3SS | 2.812 | 0.437 | | B/CA/SS |
| QS-1612V | E | 2.812 | 2.375 | 3SS | 2.812 | 0.437 | | V/CA/SS |
| QS-1617 | E | 2.812 | 2.375 | 3C | 3.000 | 0.562 | | B/CA/CE |
| QS-1666 | E | 2.812 | 2.375 | 3SS | 3.000 | 0.562 | | B/CA/SS |
| QS-2084 | E | 2.812 | 2.375 | 1C | 3.000 | 0.562 | | B/CA/CE |
| QS-2085 | E | 2.812 | 2.375 | 1SS | 3.000 | 0.562 | | B/CA/SS |
| QS-2086 | E | 2.812 | 2.375 | 3SS | 3.000 | 0.562 | ++ | B/CA/SS |
| QS-2159 | E | 2.812 | 2.375 | 1SS | 3.000 | 0.562 | | B/CA/SS |
| QS-3122 | E | 2.812 | 2.375 | 3C | 3.125 | 0.562 | | B/CA/CE |
| QS-3134E | E | 2.812 | 2.375 | 3TC | 3.000 | 0.562 | ++ | E/CA/TC |
| QS-3261E HC | E | 2.812 | 2.375 | 3SC | 3.000 | 0.562 | HC/++ | E/CA/SC |
| QS-3490A | E | 2.812 | 1.750 | 2SS | 3.000 | 0.500 | | B/CA/SS |
| QS-3490AV | E | 2.812 | 1.750 | 2SS | 3.000 | 0.500 | | V/CA/SS |
| QS-3492A | E | 2.812 | 2.375 | 1C | 3.000 | 0.625 | | B/CA/CE |
| QS-3513A | E | 2.812 | 1.750 | 3C | 3.000 | 0.500 | | B/CA/CE |
| QS-3514A | E | 2.812 | 1.750 | 3C | 3.000 | 0.562 | | B/CA/CE |
| QS-3727V SCSC | E | 2.812 | 2.375 | 3SC | 3.000 | 0.562 | | V/SC/SC |
| QS-3897V | E | 2.812 | 2.312 | 3C | 2.875 | 0.562 | ++/LC | V/CA/CE |
| QS-4243 | E | 2.812 | 2.312 | 3SS | 2.875 | 0.562 | ++/LC | B/CA/SS |
| QS-4434V | E | 2.812 | 2.375 | 3C | 3.000 | 0.562 | ++ | V/SC/CE |
| QS-5125SSA | E | 2.812 | 3.000 | 3SS | 3.000 | 0.562 | | B/CA/SS |
| QS-6912 | E | 2.812 | 2.125 | 3C | 2.875 | 0.562 | ++ | B/CA/CE |
| QS-9964A | E | 2.812 | 1.750 | 3C | 2.875 | 0.562 | | B/CA/CE |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|----------------|-------------------|
| 2.125 (2-1/8") (continued) | | | | | | | | |
| QS-9966A | E | 2.812 | 1.750 | 3SS | 2.875 | 0.562 | | B/CA/SS |
| QS-9968A | E | 2.812 | 2.375 | 3SS | 2.875 | 0.625 | | B/CA/SS |
| QS-8035A | E | 2.812 | 1.500 | 2SS | 3.000 | 0.500 | | B/CA/SS |
| QS-8105A | E | 2.812 | 1.750 | 2SS | 3.000 | 0.500 | | B/CA/SS |
| QS-3502-2125 | E | 2.812 | 2.375 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-3714 | EB | 2.812 | 2.750 | 3C | 2.750 | 0.500 | ++ | B/CA/CE |
| QS-4146 | EB | 2.812 | 2.750 | 5TC | 2.625 | 0.437 | | B/CA/TC |
| QS-4418V | EB | 2.812 | 2.750 | 3C | 2.750 | 0.500 | ++ | V/CA/CE |
| | | | | | | | | |
| QS-3020E | G | 2.717 | 1.181 | 3C | 3.000 | 0.562 | 316SS | E/CA/CE |
| | | | | | | | | |
| QS-887 | K | 3.000 | 2.125 | 1C | 3.000 | 0.562 | | B/CA/CE |
| QS-3765 | K | 3.968 | 2.125 | 1SC | 3.000 | 0.562 | | B/CA/SC |
| QS-3765 | K | 3.968 | 2.125 | 1TC | 3.000 | 0.562 | ++ | B/CA/TC |
| QS-6120V | K | 3.000 | 2.125 | 3 Special | 3.000 | 0.562 | | V/CA/TC |
| QS-6121V HC | K | 3.000 | 2.125 | 3 Special | 3.000 | 0.562 | HC | V/CA/TC/C A/SS |
| | | | | | | | | |
| QS-4792A | L-2 | 2.812 | 1.625 | 25CA | 3.143 | 1.031 | | B/SS/CA |
| QS-4792AV | L-2 | 2.812 | 1.625 | 25CA | 3.143 | 1.031 | | V/SS/CA |
| QS-4799A | L-2 | 2.812 | 1.625 | 25CA | 3.187 | 0.844 | | B/SS/CA |
| | | | | | | | | |
| QS-2126 | T | 2.812 | 3.375 | 1C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-3879 | T | 2.812 | 2.625 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-4388 | T | 2.812 | 3.375 | 3TC | 3.000 | 0.562 | ++ | B/CA/TC |
| | | | | | | | | |
| QS-457 | T/U | 2.812 | 3.656 | 1C | 3.000 | 0.562 | | B/CA/CE |
| | | | | | | | | |
| QS-556 | U | 2.812 | 2.375 | 2SS | 3.000 | 0.562 | | B/CA/SS |
| QS-556SS | U | 2.812 | 2.375 | 2SS | 3.000 | 0.562 | | B/CA/SS |
| QS-4584V | U | 2.812 | 2.812 | 3C | 2.750 | 0.500 | ++/LC 316SS | V/CA/CE |
| QS-5126A | U | 2.812 | 3.000 | 3SS | 3.000 | 0.562 | | B/CA/SS |
| | | | | | | | | |

NOTE: HC - HARD CARBON
 LC - LOCK COLLAR
 ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-----------------|-------|------------|-------------------------|---------|-------|---------|-------------------|
| 2.125 (2-1/8") (continued) | | | | | | | | |
| QS-1102 | V | 2.750 | 2.562 | 25C | 3.140 | 0.562 | | B/CA/CE |
| QS-1107 | V | 2.750 | 1.625 | 25C | 3.187 | 0.875 | | B/CA/CE |
| | | | | | | | | |
| QS-9122 | T9 | 3.000 | 1.687 | 2C | 3.000 | 0.562 | 316SS | CA/CE |
| | | | | | | | | |
| QS-8562 | T81T | 2.812 | 1.687 | 3C | 2.875 | 0.562 | ++316SS | V/CA/CE |
| QS-8132 | T8-1 DOUBLE | 2.812 | 2.625 | 3C | 2.875 | 0.312 | ++316SS | V/CA/CE- CA/CE |
| QS-8702 | T81T Special | 2.812 | 2.625 | 3C | 2.875 | 0.312 | ++316SS | V/CA/CE |
| QS-8035 | T8B2 | 3.125 | 1.156 | 27C | 3.375 | 1.000 | 316SS | V/CA/CE |
| QS-8057 | T8B2 | 3.125 | 1.312 | 27C | 3.562 | 1.000 | 316SS | V/CA/CE |
| QS-8057- CA/SC | T8B2 | 3.125 | 1.312 | 27SC | 3.562 | 1.000 | 316SS | V/CA/SC |
| | | | | | | | | |
| QS-3497AV | Z | 3.500 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| QS-3498AV | Z | 3.500 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 2.165 (55MM) SHAFT | | | | | | | | |
| QS-5019 | C | 2.820 | 1.358 | 2SS | 2.952 | 0.437 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| 2.187 (2-3/16") SHAFT | | | | | | | | |
| QS-3530A | C | 3.000 | 1.375 | 2SS | 3.187 | 0.375 | | B/CA/SS |
| QS-4385AV | C | 3.000 | 1.375 | 2SS | 3.187 | 0.375 | | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3003AV | D | 3.250 | 1.000 | 2SS | 3.000 | 0.406 | | V/CA/SS |
| QS-4785A | D | 3.250 | 1.000 | 2SS | 3.000 | 0.406 | | B/CA/SS |
| QS-4785AE | D | 3.250 | 1.000 | 2SS | 3.000 | 0.406 | | E/CA/SS |
| QS-5005 | D | 3.468 | 9.690 | 2SS | 3.000 | 0.406 | | B/CA/SS |
| QS-5024V | D | 3.468 | 9.690 | 2SS | 3.000 | 0.406 | | V/CA/SS |
| QS-5719 | D | 3.468 | 9.690 | 2SS | 3.000 | 0.406 | | E/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| 2.250 (2-1/4") SHAFT | | | | | | | | |
| QS-1068AN | C | 3.125 | 2.250 | 1SS | 3.147 | 0.438 | | N/CA/SS |
| QS-1068AV | C | 3.125 | 2.250 | 1SS | 3.147 | 0.438 | | V/CA/SS |
| QS-1087 | C | 3.125 | 1.437 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-1087V | C | 3.125 | 1.437 | 1C | 3.125 | 0.562 | | V/CA/CE |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------------|---------|-------|-------|---------------|
| 2.250 (2-1/4") (continued) | | | | | | | | |
| QS-1087V-SC-TC | C | 3.125 | 1.437 | 1TC | 3.125 | 0.562 | | V/SC/TC |
| QS-1676 | C | 3.125 | 1.688 | 3SS | 3.125 | 0.562 | ++ | B/CA/SS |
| QS-1676-HC | C | 3.125 | 1.688 | 3SS | 3.125 | 0.562 | HC | B/CA/SS |
| QS-1676-E | C | 3.125 | 1.688 | 3SS | 3.125 | 0.562 | | E/CA/SS |
| QS-1676-E-HC | C | 3.125 | 1.688 | 3SS | 3.125 | 0.562 | HC/++ | E/CA/SS |
| QS-1676-CATC | C | 3.125 | 1.688 | 3TC | 3.125 | 0.562 | ++ | B/CA/TC |
| QS-1676V | C | 3.125 | 1.688 | 3SS | 3.125 | 0.562 | ++ | V/CA/SS |
| QS-1676V-CATC | C | 3.125 | 1.688 | 3TC | 3.125 | 0.562 | ++ | V/CA/TC |
| QS-1678 | C | 3.125 | 1.688 | 3C | 3.125 | 0.562 | ++ | B/CA/CE |
| QS-1678V | C | 3.125 | 1.688 | 3C | 3.125 | 0.562 | ++ | V/CA/CE |
| QS-1679 | C | 3.125 | 1.688 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-1679-E-HC | C | 3.125 | 1.688 | 3C | 3.125 | 0.562 | HC | E/CA/CE |
| QS-1679-HC | C | 3.125 | 1.688 | 1C | 3.125 | 0.562 | HC | B/CA/CE |
| QS-1679V | C | 3.125 | 1.688 | 1C | 3.125 | 0.562 | | V/CA/CE |
| QS-1680 | C | 3.125 | 1.688 | 1SS | 3.125 | 0.562 | * | B/CA/SS |
| QS-1680-HC | C | 3.125 | 1.688 | 1SS | 3.125 | 0.562 | HC | B/CA/SS |
| QS-1680SCSC | C | 3.125 | 1.688 | 1SC | 3.125 | 0.562 | | B/SC/SC |
| QS-1680TCTC | C | 3.125 | 1.688 | 1TC | 3.125 | 0.562 | | B/TC/TC |
| QS-1680V | C | 3.125 | 1.688 | 1SS | 3.125 | 0.562 | | V/CA/SS |
| QS-1718V | C | 3.125 | 1.187 | 1TC | 3.125 | 0.562 | | V/SC/TC |
| QS-3041 | C | 3.125 | 2.375 | 3SS | 3.125 | 0.562 | | B/CA/SS |
| QS-3182 | C | 3.125 | 1.688 | 1SC | 3.125 | 0.562 | | B/SC/SC |
| QS-3537 | C | 3.125 | 2.375 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-3537V | C | 3.125 | 2.375 | 1C | 3.125 | 0.562 | | V/CA/CE |
| QS-3540A | C | 3.125 | 1.125 | 2SS | 3.125 | 0.438 | | B/CA/SS |
| QS-3543AV | C | 3.125 | 1.688 | 2SS | 3.125 | 0.532 | | V/CA/SS |
| QS-3544A | C | 3.125 | 0.875 | 3BR | 3.125 | 0.562 | | B/CA/BR |
| QS-3560AN | C | 3.125 | 1.688 | 2BR | 3.125 | 0.532 | | N/CA/BR |
| QS-3560AV | C | 3.125 | 1.688 | 2BR | 3.125 | 0.532 | | V/CA/BR |
| QS-3570AN | C | 3.125 | 2.250 | --- | --- | --- | | N/CA/--- |
| QS-3580AN | C | 3.125 | 2.250 | 2SS | 3.125 | 0.438 | | N/CA/SS |
| QS-3773V | C | 3.125 | 1.688 | 1TC | 3.125 | 0.562 | | V/TC/TC |
| QS-3955V | C | 3.125 | 1.688 | 27SS Special | 3.125 | 0.779 | | V/CA/SS |
| QS-3966 | C | 3.125 | 1.187 | 3TC | 3.125 | 0.562 | | B/SC/TC |
| QS-4585A | C | 3.125 | 1.437 | 1C | 3.250 | 0.500 | | B/CA/CE |
| QS-5076V | C | 3.125 | 1.667 | 3 Special | 3.125 | 1.015 | | V/CA/SS |
| QS-6233V CASC | C | 3.125 | 1.695 | 3SC | 3.125 | 0.500 | | V/CA/SC |
| QS-6248V | C | 3.125 | 1.187 | 3SS | 3.125 | 0.562 | | V/CA/SS |
| QS-6660AN | C | 3.125 | 3.750 | --- | --- | --- | | N/CA/--- |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------------|
| 2.250 (2-1/4") (continued) | | | | | | | | |
| QS-7064 | C | 3.125 | 1.437 | 1TC | 3.125 | 0.562 | | B/TC/TC |
| QS-7110A | C | 3.125 | 1.688 | 2SS | 3.125 | 0.532 | | B/CA/SS |
| QS-7138 | C | 3.125 | 1.187 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-7138-TC-TC | C | 3.125 | 1.187 | 1TC | 3.125 | 0.562 | | B/TC/TC |
| QS-7138V-SC-TC-CMS | C | 3.125 | 1.187 | 1TC | 3.125 | 0.562 | | V/SC/TC |
| QS-7750E | C | 3.125 | 1.688 | 3TC | 3.125 | 0.562 | ++ | E/CA/TC |
| QS-7782 | C | 3.125 | 1.187 | 1SS | 3.125 | 0.562 | | B/CA/SS |
| QS-7945AN | C | 3.125 | 2.250 | 5I | --- | PLT | | N/CA/PLT |
| QS-2250-2250 | C | 3.125 | 1.688 | --- | --- | --- | | B/CA/--- |
| QS-7750-2250 | C | 3.125 | 1.688 | --- | --- | --- | | B/CA/--- |
| QS-3289 | C | 3.125 | 1.688 | 3SC | 3.125 | 0.562 | ++ | B/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-846 | D | 3.375 | 1.688 | 3C | 3.125 | 0.562 | ++ | B/CA/CE |
| QS-847 | D | 3.375 | 1.688 | 3SS | 3.125 | 0.562 | ++ | B/CA/SS |
| QS-874 | D | 3.375 | 1.688 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-941 | D | 3.375 | 1.688 | 1SS | 3.125 | 0.562 | | B/CA/SS |
| QS-941-E | D | 3.375 | 1.688 | 1SS | 3.125 | 0.562 | | E/CA/SS |
| QS-941V | D | 3.375 | 1.688 | 3SS | 3.125 | 0.562 | ++ | V/CA/SS |
| QS-942 | D | 3.375 | 1.688 | --- | --- | --- | | B/CA/--- |
| QS-2087 | D | 3.375 | 1.688 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-2088 | D | 3.375 | 1.688 | 1SS | 3.125 | 0.562 | | B/CA/SS |
| QS-2089 | D | 3.375 | 1.688 | 3C | 3.125 | 0.562 | ++ | B/CA/CE |
| QS-2090 | D | 3.375 | 1.688 | 3SS | 3.125 | 0.562 | ++ | B/CA/SS |
| QS-4070V | D | 3.704 | 1.631 | 3SC | 3.125 | 0.562 | ++ | V/BR/SC |
| QS-5358 | D | 3.468 | 1.688 | 3 | 3.125 | 0.562 | | B/CA/CE/ Special |
| | | | | | | | | |
| | | | | | | | | |
| QS-323 | E | 2.938 | 2.375 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-323-HC | E | 2.938 | 2.375 | 1C | 3.125 | 0.562 | HC | B/CA/CE |
| QS-323-SC-TC | E | 2.938 | 2.375 | 1TC | 3.125 | 0.562 | | B/SC/TC |
| QS-323V | E | 2.938 | 2.375 | 1C | 3.125 | 0.562 | | V/CA/CE |
| QS-351 | E | 2.938 | 2.375 | 1SS | 3.125 | 0.562 | | B/CA/SS |
| QS-351V | E | 2.938 | 2.375 | 3SS | 3.125 | 0.562 | ++ | V/CA/SS |
| QS-848 | E | 2.938 | 2.375 | 3C | 3.125 | 0.562 | ++ | B/CA/CE |
| QS-849 | E | 2.938 | 2.375 | 3SS | 3.125 | 0.562 | ++ | B/CA/SS |
| QS-1688 | E | 2.938 | 2.375 | 3C | 3.125 | 0.562 | ++ | B/CA/CE |
| QS-1688V | E | 2.938 | 2.375 | 3C | 3.125 | 0.562 | ++ | V/CA/CE |
| QS-2091 | E | 2.938 | 2.375 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-2092 | E | 2.938 | 2.375 | 1SS | 3.125 | 0.562 | | B/CA/SS |
| QS-2094 | E | 2.938 | 2.375 | 3SS | 3.125 | 0.562 | ++ | B/CA/SS |

NOTE: ++ - SLOTTED SEAT
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|-------------|-------|-------|---------------|
| 2.250 (2-1/4") (continued) | | | | | | | | |
| QS-2094V | E | 2.938 | 2.375 | 3SS | 3.125 | 0.562 | ++ | V/CA/SS |
| QS-2113 | E | 2.938 | 2.375 | --- | --- | --- | | B/CA/--- |
| QS-3067 | E | 2.938 | 2.375 | 3TC | 3.125 | 0.562 | | B/CA/TC |
| QS-3075 | E | 2.938 | 2.375 | 3TC | 3.281 | 0.562 | | B/TC/TC |
| QS-3530 | E | 2.938 | 2.375 | 3TC | 3.125 | 0.562 | ++ | B/TC/TC |
| QS-3576V HC | E | 2.938 | 2.375 | 3TC | 3.125 | 0.562 | HC | V/TC/TC |
| QS-3951V | E | 2.938 | 2.375 | 27SS | 3.906 | 1.000 | | V/CA/SS |
| QS-4383 | E | 2.938 | 2.375 | 3SS | 3.125 | 0.562 | | V/CA/SS |
| QS-4409E HC | E | 2.938 | 2.375 | 3SC | 3.125 | 0.562 | HC | E/CA/SC |
| QS-4549 | E | 2.938 | 2.375 | 3TC | 3.125 | 0.562 | | B/TC/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3643 | EB | 2.938 | 2.750 | 3SS | 3.000 | 0.562 | ++ | B/CA/SS |
| QS-3656 | EB | 2.938 | 2.750 | 3TC | 3.000 | 0.562 | | V/CA/TC |
| QS-3784 | EB | 2.938 | 2.750 | 3C | 3.000 | 0.562 | ++ | B/CA/CE |
| QS-4105V | EB | 2.938 | 2.750 | 3C | 3.000 | 0.562 | | V/CA/CE |
| QS-4380V HC | EB | 2.938 | 2.750 | 3SC | 3.000 | 0.562 | HC | V/CA/SC |
| QS-7749 | EB | 2.938 | 2.750 | 3TC | 3.000 | 0.562 | ++ | B/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3535AN | K | 3.125 | 1.500 | 2/51 | 3.250 | PLT | | N/CA/PLT |
| QS-3536AN | K | 3.125 | 1.500 | 2SS | 3.000/3.250 | PLT | | N/CA/PLT |
| QS-7060 HC | K | 3.109 | 2.562 | 3SS | 3.281 | 0.562 | HC | B/CA/SS |
| QS-7431 | K | 3.125 | 1.875 | 1C | 3.125 | 0.562 | | B/CA/CE |
| QS-7766 | K | 3.125 | 2.125 | 3C | 3.125 | 0.562 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-3550AN | L-2 | 2.875 | 2.500 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-4041V | Q | 3.660 | 0.750 | 1C | 3.375 | 0.281 | | V/CA/CE |
| QS-6301N | Q | 3.500 | 0.750 | 3C | 3.000 | 0.406 | | N/CA/CE |
| QS-6302 | Q | 3.625 | 0.750 | 1C | 3.375 | 0.281 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-1073 | R | 3.375 | 2.375 | 3SS | 3.125 | 0.562 | | B/CA/SS |
| QS-3077 | R | 3.375 | 2.375 | 1C | 3.125 | 0.562 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-2132 | T | 2.938 | 3.375 | 3C | 3.125 | 0.562 | | B/CA/CE |
| QS-3562A | T | 2.938 | 1.875 | 3C | 3.125 | 0.562 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |

NOTE: HC - HARD CARBON
 ++ - SLOTTED SEAT
 PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 2.250 (2-1/4") (continued) | | | | | | | | |
| QS-3210 | V | 3.125 | 2.375 | 3SS | 3.281 | 0.750 | | B/CA/SS |
| QS-9120 | T9 | 3.125 | 1.687 | 2CE | 3.125 | 0.562 | | CA/CE |
| QS-8712 | T8B1 | 3.125 | 2.062 | 3TC | 2.750 | 0.500 | | V/CA/TC |
| 2.312 SHAFT | | | | | | | | |
| QS-3590AN | C | 3.125 | 1.688 | --- | --- | --- | | N/CA/--- |
| 2.362 (60MM) SHAFT | | | | | | | | |
| QS-3276 | G | 3.346 | 1.299 | 2SC | 80MM | 0.473 | | V/CA/SC |
| QS-5735 | G | 3.346 | 1.299 | 2SC | 80MM | 0.473 | | V/SC/SC |
| QS-2362 | K | 3.219 | 2.125 | G60 | --- | --- | | V/SC/SC |
| 2.375 (2-3/8") SHAFT | | | | | | | | |
| QS-268 | C | 3.219 | 1.813 | 3C | 3.250 | 0.562 | ++ | B/CA/CE |
| QS-268-HC | C | 3.219 | 1.813 | 3C | 3.250 | 0.562 | HC/++ | B/CA/CE |
| QS-268V | C | 3.219 | 1.813 | 3C | 3.250 | 0.562 | ++ | V/CA/CE |
| QS-492 | C | 3.219 | 1.813 | 3SS | 3.250 | 0.562 | ++ | B/CA/SS |
| QS-492-HC | C | 3.219 | 1.813 | 3SS | 3.250 | 0.562 | HC/++ | B/CA/SS |
| QS-492V | C | 3.219 | 1.813 | 1SS | 3.250 | 0.562 | ++ | V/CA/SS |
| QS-492V-HC | C | 3.219 | 1.813 | 3SS | 3.250 | 0.562 | HC/++ | V/CA/SS |
| QS-492V-CATC | C | 3.219 | 1.813 | 3TC | 3.250 | 0.562 | ++ | V/CA/TC |
| QS-1026AN | C | 3.219 | 1.813 | 52 | --- | PLT | | N/CA/PLT |
| QS-1677 | C | 3.219 | 1.813 | 51SS | --- | PLT | | B/CA/PLT |
| QS-1677V | C | 3.219 | 1.813 | 28SS | 5.118 | 1.060 | | V/CA/SS |
| QS-3051CASC | C | 3.219 | 1.813 | 3SC | 3.250 | 0.562 | | B/CA/SC |
| QS-3127V HC | C | 3.219 | 1.813 | 3C | 3.250 | 0.562 | HC/++ | V/CA/CE |
| QS-3233V | C | 3.219 | 1.813 | 3C | 3.250 | 0.562 | 316SS | V/CA/CE |
| QS-3595AN | C | 3.219 | 2.500 | 1C | 3.250 | 0.562 | | N/CA/CE |
| QS-3596A | C | 3.219 | 2.500 | 1C | 3.250 | 0.562 | | B/CA/CE |
| QS-3596AV | C | 3.219 | 2.500 | 2SS | 3.250 | 0.562 | | V/CA/SS |
| QS-3605A | C | 3.219 | 1.813 | 2SS | 3.250 | 0.562 | | B/CA/SS |

NOTE: HC - HARD CARBON
PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 2.375 (2-3/8") (continued) | | | | | | | | |
| QS-3605AV | C | 3.219 | 1.813 | 2SS | 3.250 | 0.562 | | V/CA/SS |
| QS-3610AN | C | 3.219 | 1.000 | --- | --- | --- | | N/CA/--- |
| QS-3615AN | C | 3.219 | 2.500 | 2SS | 3.250 | 0.563 | | N/CA/SS |
| QS-3615AV | C | 3.219 | 2.500 | 2SS | 3.250 | 0.563 | | V/CA/SS |
| QS-4325V | C | 3.219 | 1.813 | 3SC | 3.250 | 0.562 | ++ | V/CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-594 | D | 3.500 | 1.812 | 3SS | 3.250 | 0.562 | ++ | B/CA/SS |
| QS-594-HC | D | 3.500 | 1.813 | 3SS | 3.250 | 0.562 | HC/++ | B/CA/SS |
| QS-834 | D | 3.500 | 1.812 | 3C | 3.250 | 0.562 | ++ | B/CA/CE |
| QS-834-HC | D | 3.500 | 1.813 | 3C | 3.250 | 0.562 | HC/++ | B/CA/CE |
| QS-834-CATC | D | 3.500 | 1.813 | 3TC | 3.250 | 0.562 | ++ | B/CA/TC |
| QS-2095 | D | 3.500 | 1.812 | 3SS | 3.250 | 0.562 | ++ | B/CA/SS |
| QS-2096 | D | 3.500 | 1.812 | 3C | 3.250 | 0.562 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-278 | E | 3.062 | 2.500 | 3C | 3.250 | 0.562 | ++ | B/CA/CE |
| QS-278-HC | E | 3.062 | 2.500 | 3C | 3.250 | 0.562 | HC/++ | B/CA/CE |
| QS-278V | E | 3.062 | 2.500 | 3C | 3.250 | 0.562 | ++ | V/CA/CE |
| QS-350 | E | 3.062 | 2.500 | 3SS | 3.250 | 0.562 | ++ | B/CA/SS |
| QS-350V-HC | E | 3.062 | 2.500 | 3TC | 3.250 | 0.562 | HC/++ | V/CA/TC |
| QS-2097 | E | 3.062 | 2.500 | 3C | 3.250 | 0.562 | | B/CA/CE |
| QS-2098 | E | 3.062 | 2.500 | 3SS | 3.250 | 0.562 | | B/CA/SS |
| QS-2098V | E | 3.062 | 2.500 | 3SS | 3.250 | 0.562 | | V/CA/SS |
| QS-3085V | E | 3.062 | 2.500 | 5TC | 3.250 | 0.562 | | V/CA/TC |
| QS-3187E | E | 3.062 | 2.500 | 5TC | 3.250 | 0.562 | | E/CA/TC |
| QS-4006 | E | 3.062 | 2.500 | 5TC | 3.250 | 0.562 | | B/CA/TC |
| QS-4162E | E | 3.062 | 2.875 | 3SC | 3.250 | 0.562 | ++ | E/SC/SC |
| QS-4492V | E | 3.062 | 2.500 | 3SC | 3.250 | 0.562 | ++ | V/SC/SC |
| QS-7935V | E | 3.062 | 2.500 | 3SC | 3.250 | 0.562 | ++ | V/TC/SC |
| QS-350V-2375 | E | 3.062 | 2.500 | --- | --- | --- | | V/CA/--- |
| QS-2098-2375 | E | 3.062 | 2.500 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3501 | EB | 3.062 | 2.875 | 3TC | 3.125 | 0.562 | ++ | B/CA/TC |
| QS-3936 | EB | 3.062 | 2.875 | 3SS | 3.125 | 0.562 | ++ | B/CA/SS |
| QS-3936V | EB | 3.062 | 2.875 | 3SS | 3.125 | 0.562 | ++ | V/CA/SS |
| QS-3936V | EB | 3.062 | 2.875 | 3SS | 3.125 | 0.562 | ++ | V/CA/SS |
| QS-3936V-CATC | EB | 3.062 | 2.875 | 3TC | 3.125 | 0.562 | ++ | V/CA/TC |
| QS-4108V | EB | 3.062 | 2.875 | 3SC | 3.125 | 0.562 | ++ | V/CA/SC |
| | | | | | | | | |
| | | | | | | | | |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-------|-------|------------|-------------------------|---------|-------|---------|---------------|
| 2.375 (2-3/8") (continued) | | | | | | | | |
| QS-3073 | G | 3.150 | 1.299 | 1SC | 3.125 | 0.531 | 316SS | B/CA/SC |
| QS-3008 | G | 3.150 | 1.299 | 1C | 3.250 | 0.562 | | B/CA/CE |
| QS-3022 | G | 3.150 | 1.299 | 1TC | 3.250 | 0.562 | | B/SC/TC |
| | | | | | | | | |
| QS-1041 | K | 3.219 | 2.125 | 3SS | 3.250 | 0.562 | ++ | B/CA/SS |
| QS-1694 | K | 3.219 | 2.125 | 3C | 3.250 | 0.562 | ++ | B/CA/CE |
| | | | | | | | | |
| QS-2711 | R | 3.500 | 2.375 | 3C | 3.250 | 0.562 | ++ | B/CA/SC |
| | | | | | | | | |
| QS-8003V CASC | T8-1 | 3.250 | 1.687 | 3SC | 3.250 | 0.562 | ++316SS | V/CA/SC |
| QS-8560 | T8-1 | 3.250 | 1.687 | 3C | 3.250 | 0.562 | ++316SS | V/CA/CE |
| QS-8069V | T8B1 | 3.250 | 2.125 | 3SC | 3.000 | 0.500 | ++316SS | V/CA/SC |
| QS-8121E | T8B1 | 3.250 | 2.125 | 3SC | 3.000 | 0.562 | ++316SS | E/CA/SC |
| QS-8113V | T8BT1 | 3.000 | 2.062 | 3C | 3.250 | 0.562 | ++316SS | V/CA/CE |
| | | | | | | | | |
| 2.406 (61MM) SHAFT | | | | | | | | |
| QS-4854 | K | 3.219 | 2.125 | 3SS | 3.312 | 0.500 | | B/CA/SS |
| | | | | | | | | |
| 2.437 (2-7/16") SHAFT | | | | | | | | |
| QS-3625A | C | 3.219 | 1.500 | 3SS | 3.437 | 0.562 | | B/CA/SS |
| QS-3626A | C | 3.219 | 1.813 | 2SS | 3.437 | 0.625 | | B/CA/SS |
| QS-7950AN | C | 3.219 | 1.813 | 51 | --- | PLT | | N/CA/--- |
| | | | | | | | | |
| QS-3624A | D | 3.500 | 1.175 | 3SS | 3.875 | 0.468 | | B/CA/SS |
| | | | | | | | | |
| QS-3751V | E | 3.312 | 1.687 | 3SS | 3.437 | 0.375 | | V/CA/SS |
| QS-7580 | E | 3.312 | 1.687 | 3SS | 3.437 | 0.375 | | B/CA/SS |
| | | | | | | | | |
| QS-9333 | T9 | 3.312 | 1.687 | 28SS | 4.000 | 0.750 | 316SS | CA/SS |
| | | | | | | | | |
| QS-3627AV | Z | 3.750 | 0.875 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------|------|-------|------------|-----------|---------|-------|---------|---------------|
| 2.500 (2-1/2") SHAFT | | | | | | | | |
| QS-212 | C | 3.515 | 1.813 | 1C | 3.375 | 0.562 | | B/CA/CE |
| QS-269 | C | 3.344 | 1.813 | 3C | 3.375 | 0.562 | ++ | B/CA/CE |
| QS-269V | C | 3.515 | 1.813 | 3C | 3.375 | 0.562 | ++ | V/CA/CE |
| QS-853 | C | 3.344 | 1.813 | 3SS | 3.375 | 0.562 | ++ | B/CA/SS |
| QS-1058 | C | 3.344 | 1.813 | 3SS | 3.375 | 0.562 | | B/CA/SS |
| QS-2120 | C | 3.344 | 1.813 | 1C | 3.375 | 0.562 | | B/CA/CE |
| QS-2158 | C | 3.344 | 2.125 | 1C | 3.375 | 0.562 | | B/CA/CE |
| QS-3247 | C | 3.515 | 1.813 | 3TC | 3.375 | 0.562 | | B/CA/TC |
| QS-3630AN | C | 3.344 | 1.500 | 5I | 4.500 | PLT | | N/CA/PLT |
| QS-3645AN | C | 3.344 | 3.000 | 5I | 3.750 | PLT | | N/CA/PLT |
| QS-3650A | C | 3.344 | 1.500 | 2SS | 3.500 | 0.468 | | B/CA/SS |
| QS-3651 | C/X | 3.344 | 1.250 | 1C | 3.375 | 0.500 | | B/CA/CE |
| QS-3679A | C | 3.344 | 2.500 | 3C | 3.375 | 0.562 | | B/CA/CE |
| QS-3764V | C | 3.515 | 1.813 | 1TC | 3.375 | 0.562 | | V/CA/TC |
| QS-3680A | C | 3.344 | 2.375 | 2SS | 3.375 | 0.562 | | B/CA/SS |
| QS-3681AN | C | 3.344 | 3.000 | 2SS | 3.375 | 0.500 | | N/CA/SS |
| QS-3877V | C | 3.515 | 1.862 | 3SC | 3.375 | 0.562 | | V/SC/SC |
| QS-4075A | C | 3.344 | 1.250 | 3SS | 3.500 | 0.562 | | B/CA/SS |
| QS-4085A | C | 3.344 | 1.813 | 3SS | 3.375 | 0.375 | | B/CA/SS |
| QS-4230A | C | 3.344 | 2.375 | --- | --- | --- | | B/CA/--- |
| QS-4465AN | C | 3.344 | 1.500 | 3SS | 3.500 | 0.562 | | N/CA/SS |
| QS-6095AN | C | 3.344 | 1.813 | 2SS | 3.375 | 0.500 | | N/CA/SS |
| QS-6138V | C | 3.515 | 1.813 | 3 Special | 3.375 | 0.562 | | V/CA/SS |
| QS-8045A | C | 3.344 | 1.813 | 2SS | 3.625 | 0.500 | | B/CA/SS |
| QS-8055A | C | 3.344 | 1.375 | 2SS | 3.375 | 0.469 | | B/CA/SS |
| QS-3651AF | C | 3.344 | 1.250 | 1CE | 3.375 | 0.500 | | AF/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-335 | D | 3.625 | 1.250 | 3SS | 3.375 | 0.562 | | B/CA/SS |
| QS-335V | D | 3.718 | 1.250 | 3SS | 3.375 | 0.562 | | V/CA/SS |
| QS-463 | D | 3.625 | 1.813 | 3SS | 3.375 | 0.562 | | B/CA/SS |
| QS-463-TC-SC | D | 3.625 | 1.813 | 3SC | 3.375 | 0.562 | ++ | B/TC/SC |
| QS-463V | D | 3.625 | 1.813 | 3SS | 3.375 | 0.562 | ++ | V/CA/SS |
| QS-463VSS-CASC | D | 3.625 | 1.813 | 3SC | 3.375 | 0.562 | ++ | V/CA/SC |
| QS-468 | D | 3.625 | 1.813 | 3C | 3.250 | 0.437 | | B/CA/CE |
| QS-469 | D | 3.625 | 1.813 | 3SS | 3.250 | 0.437 | | B/CA/SS |
| QS-481 | D | 3.625 | 1.750 | 3SS | 3.500 | 0.562 | | B/CA/SS |
| QS-835 | D | 3.625 | 1.813 | 3C | 3.375 | 0.562 | ++ | B/CA/CE |
| QS-2099 | D | 3.625 | 1.813 | 3C | 3.375 | 0.562 | | B/CA/CE |
| QS-2100 | D | 3.625 | 1.813 | 3SS | 3.375 | 0.562 | | B/CA/SS |
| QS-2740V | D | 3.625 | 1.813 | 3TC | 3.375 | 0.562 | ++316SS | V/SC/TC |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-----------|-------|------------|--------------|---------|-------|---------|---------------|
| 2.500 (2-1/2") (continued) | | | | | | | | |
| QS-3498V | D | 4.375 | 1.871 | 3SC | 3.375 | 0.562 | ++ | V/BR/SC |
| QS-3631AN | D | 3.625 | 1.250 | 3SS | 3.375 | 0.562 | | N/CA/SS |
| QS-3888 | D | 3.625 | 1.813 | 3SC | 3.375 | 0.562 | | V/TC/SC |
| QS-3888V | D | 3.625 | 1.813 | 3SC | 3.375 | 0.562 | | V/TC/SC |
| | | | | | | | | |
| QS-4532V | D Special | 4.062 | 2.078 | 3 Special TC | 3.250 | 0.875 | ++316SS | V/CA/TC |
| | | | | | | | | |
| QS-279 | E | 3.187 | 2.500 | 3C | 3.375 | 0.562 | | B/CA/CE |
| QS-279-HC | E | 3.187 | 2.500 | 1C | 3.375 | 0.562 | HC | B/CA/CE |
| QS-279V | E | 3.187 | 2.500 | 3C | 3.375 | 0.562 | | V/CA/CE |
| QS-279V-SC-TC | E | 3.187 | 2.500 | 3TC | 3.375 | 0.562 | | V/SC/TC |
| QS-349 | E | 3.187 | 2.500 | 3SS | 3.375 | 0.562 | | B/CA/SS |
| QS-349-HC | E | 3.187 | 2.500 | 3SS | 3.375 | 0.562 | HC | B/CA/SS |
| QS-349-CATC | E | 3.187 | 2.500 | 3TC | 3.375 | 0.562 | | B/CA/TC |
| QS-349V | E | 3.187 | 2.500 | 3SS | 3.375 | 0.562 | | V/CA/SS |
| QS-349V-CASC | E | 3.187 | 2.500 | 3SC | 3.375 | 0.562 | | V/CA/SC |
| QS-349V-TC-SC | E | 3.187 | 2.500 | 3SC | 3.375 | 0.562 | | V/TC/SC |
| QS-916 | E | 3.187 | 2.500 | 3C | 3.375 | 0.562 | | B/CA/CE |
| QS-916BTC | E(B) | 3.187 | 2.500 | 3TC | 3.250 | 0.562 | | B/CA/TC |
| QS-2101 | E | 3.187 | 2.500 | 3SS | 3.375 | 0.562 | | B/CA/SS |
| QS-2205 HC | E | 3.187 | 2.500 | 3SS | 3.375 | 0.562 | HC | B/CA/SS |
| QS-2205-E-HC | E | 3.187 | 2.500 | 3C | 3.375 | 0.562 | HC | E/CA/CE |
| QS-3064E | E | 3.187 | 2.500 | 3C | 3.375 | 0.562 | | E/CA/CE |
| QS-3076V | E | 3.187 | 2.312 | 3TC | 3.500 | 0.422 | | V/CA/TC |
| QS-3164 HC | E | 3.187 | 2.500 | 5TC | 3.375 | 0.562 | HC | B/CA/TC |
| QS-3206V | E | 3.187 | 2.718 | 3SC | 3.250 | 0.562 | | V/CA/SC |
| QS-3516E | E | 3.187 | 2.500 | 3TC | 3.250 | 0.562 | | E/CA/TC |
| QS-3632A | E | 3.187 | 2.500 | 3C | 3.375 | 0.562 | | B/CA/CE |
| QS-3806V | E | 3.187 | 2.718 | 3C | 3.250 | 0.562 | | LC/V/CA/CE |
| QS-3924 | E | 3.187 | 2.500 | 3SS | 3.250 | 0.562 | | B/CA/SS |
| QS-4380AN | E | 3.187 | 1.500 | 3SS | 3.500 | 0.562 | | N/CA/SS |
| QS-4411 | E | 3.187 | 2.500 | 1TC | 3.375 | 0.562 | | B/SC/TC |
| QS-4466V | E | 3.187 | 2.718 | 3SC | 3.250 | 0.625 | ++/LC | V/TC/SC |
| QS-6254 | E | 3.187 | 1.813 | 3C | 3.500 | 0.422 | | B/CA/CE |
| QS-7716 | E | 3.187 | 2.718 | 3SS | 3.250 | 0.562 | LC | B/CA/SS |
| QS-7985E HC | E | 3.062 | 2.500 | 3TC | 3.375 | 0.562 | HC/++ | E/CA/TC |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
LC - LOCK COLLAR

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|--------------|---------|-------|-------|-------------------|
| 2.500 (2-1/2") (continued) | | | | | | | | |
| QS-3640AN | G | 3.344 | 1.625 | 51 | --- | PLT | | N/CA/PLT |
| QS-3804E | G | 3.268 | 1.811 | 25SC | 3.375 | 0.562 | | E/CA/SC |
| QS-4490E | G | 3.268 | 1.811 | 25SC | 3.375 | 0.562 | 316SS | E/SC/SC |
| | | | | | | | | |
| QS-1613 | K | 3.344 | 2.125 | 3C | 3.375 | 0.562 | ++ | B/CA/CE |
| QS-1695 | K | 3.344 | 2.125 | 3SS | 3.375 | 0.562 | ++ | B/CA/SS |
| QS-2158 | K | 3.344 | 2.125 | 1C | 3.375 | 0.562 | | B/CA/CE |
| QS-2158-TC-TC | K | 3.344 | 2.125 | 1TC | 3.375 | 0.562 | | B/TC/TC |
| QS-3635AN | K | 3.344 | 2.125 | --- | --- | --- | | N/CA/--- |
| QS-3655A | K | 3.344 | 1.625 | 2SS | 3.500 | 0.468 | | B/CA/SS |
| QS-4311 | K | 3.344 | 2.125 | 1SC | 3.375 | 0.562 | | B/SC/SC |
| QS-6140V | K | 3.375 | 1.750 | 3 Special TC | 3.375 | 0.562 | | V/CA/TC |
| QS-6141V | K | 3.344 | 1.750 | 3 Special SS | 3.375 | 0.562 | | V/CA/SS |
| QS-6997N | K | 3.359 | 1.750 | 3SS | 3.375 | 0.562 | ++ | N/CA/SS |
| QS-8050AN | K | 3.344 | 1.625 | 2S/51 | 3.625 | 0.438 | | N/CA/PLT/S S |
| | | | | | | | | |
| QS-6640AN | L-1 | 3.125 | 2.000 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-3670AN | L-2 | 3.125 | 2.625 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-889 | R | 3.625 | 2.187 | 3SS | 3.375 | 0.531 | | B/CA/SS |
| QS-6146N | R | 3.625 | 2.562 | 3SS | 3.375 | 0.531 | | N/CA/SS |
| | | | | | | | | |
| QS-3652AN | T | 3.187 | 2.125 | 1C | 3.375 | 0.562 | | N/CA/CE |
| QS-4072 | T | 3.187 | 2.656 | 3C | 3.500 | 0.422 | | B/CA/CE |
| QS-4109V | T | 3.187 | 2.938 | 3TC 3SC | 3.375 | 0.563 | | V/CA/TC/C A/SC |
| QS-4580V | T | 3.187 | 2.938 | 1TC 1SC | 3.375 | 0.563 | | V/CA/TC/C A/SC |
| QS-6243V | T | 3.187 | 2.656 | 3SC 3TC | 3.500 | 0.422 | | V/CA/SC/CA /TC |
| QS-6244V | T | 3.187 | 2.656 | 3SC 3TC | 3.500 | 0.422 | | V/CA/SC/CA /TC |
| | | | | | | | | |
| QS-8044AV | U | 3.187 | 0.800 | 7SS | M.O.S. | 0.312 | | V/CA/SS |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|--------------|---------|-------|-------|---------------|
| 2.500 (2-1/2") (continued) | | | | | | | | |
| QS-2147 | V | 3.187 | 2.375 | 3C | 3.500 | 0.562 | | B/CA/CE |
| QS-4523 | V | 3.187 | 2.375 | 3C | 3.250 | 0.562 | | B/CA/CE |
| | | | | | | | | |
| QS-9710 | T9B | 3.375 | 2.062 | Special SS | 3.125 | 1.062 | 316SS | CA/SS |
| | | | | | | | | |
| QS-8108 | T81T | 3.125 | 1.375 | 3 Special SS | 3.375 | 0.562 | 316SS | V/CA/SS |
| QS-8089E | T8B1 | 3.375 | 2.062 | 3SC | 3.125 | 0.562 | 316SS | E/CA/SC |
| QS-8103V | T8B1 | 3.375 | 2.062 | 3TC | 3.125 | 0.562 | 316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| 2.625 (2-5/8") SHAFT | | | | | | | | |
| QS-571N | C | 3.469 | 2.732 | 3SS | 3.336 | 0.531 | | N/CA/SS |
| QS-1051A | C | 3.469 | 1.125 | 3SS | 4.000 | 0.434 | | B/CA/SS |
| QS-3695AN | C | 3.469 | 2.732 | 2SS | 3.500 | 0.500 | | N/CA/SS |
| QS-3705AN | C | 3.469 | 2.732 | 2SS | 3.625 | 0.437 | | N/CA/SS |
| QS-8060AN | C | 3.469 | 2.732 | 2SS | 3.437 | 0.687 | | N/CA/SS |
| QS-9917AV | C | 3.469 | 1.125 | 3B | 4.000 | 0.496 | | V/CA/BR |
| | | | | | | | | |
| QS-3188E | D | 3.875 | 1.937 | 3TC | 3.375 | 0.625 | ++ | E/CA/TC |
| QS-6002V | D | 3.875 | 1.937 | 3SS | 3.375 | 0.625 | ++ | V/CA/SS |
| QS-6151 | D | 3.875 | 1.937 | --- | --- | --- | | N/CA/--- |
| QS-7888AV | D | 3.750 | 1.125 | 3SS | 3.750 | 0.565 | | V/CA/SS |
| QS-7909 HC | D | 3.875 | 1.937 | 3C | 3.375 | 0.625 | HC/++ | B/CA/CE |
| | | | | | | | | |
| QS-328 | E | 3.375 | 2.750 | 3C | 3.375 | 0.625 | ++ | B/CA/CE |
| QS-328-HC | E | 3.375 | 2.750 | 3SS | 3.375 | 0.625 | HC/++ | B/CA/SS |
| QS-542 | E | 3.375 | 2.750 | 3SS | 3.375 | 0.625 | ++ | B/CA/SS |
| QS-3300 | E | 3.375 | 2.750 | 3SS | 3.375 | 0.625 | | B/CA/SS |
| QS-4392E | E | 3.375 | 2.625 | 3TC | 3.625 | 0.593 | ++/LC | E/CA/TC |
| QS-4472V | E | 3.375 | 2.750 | 3TC | 3.375 | 0.625 | | V/SC/TC |
| | | | | | | | | |
| QS-4485 | EB | 3.375 | 3.125 | 3TC | 3.375 | 0.562 | ++ | B/SC/TC |
| QS-4554 | EB | 3.375 | 3.125 | 5TC | 3.375 | 0.562 | | B/CA/TC |
| QS-7703 | EB | 3.375 | 3.125 | 3C | 3.375 | 0.562 | ++ | B/CA/CE |
| QS-7773 | EB | 3.375 | 3.125 | 3TC | 3.375 | 0.562 | | B/CA/TC |
| QS-7927 | EB | 3.375 | 3.125 | 3SS | 3.375 | 0.562 | ++ | B/CE/SS |
| | | | | | | | | |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
LC - LOCK COLLAR

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 2.625 (2-5/8") (continued) | | | | | | | | |
| QS-4797A | L-2 | 3.500 | 1.625 | 25CA | 3.645 | 0.562 | | B/SS/CA |
| QS-RO-052 | RO | --- | --- | 25 | 3.500 | --- | | V/TC/CA |
| QS-RO-054 | RO | --- | --- | 25 | 3.500 | --- | | V/TC/CA |
| QS-1106 | V | 3.375 | 2.562 | 25C | 3.643 | 0.562 | | B/CA/CE |
| 2.687 SHAFT | | | | | | | | |
| QS-3710A | C | 3.469 | 1.375 | 2SS | 3.937 | 0.438 | | B/CA/SS |
| 2.750 (2-3/4") SHAFT | | | | | | | | |
| QS-483 | C | 3.750 | 1.937 | 3SS | 3.500 | 0.625 | ++ | B/CA/SS |
| QS-483-E-HC | C | 3.750 | 1.937 | 3SS | 3.500 | 0.625 | HC | B/CA/SS |
| QS-483-SC-TC | C | 3.750 | 1.937 | 3TC | 3.500 | 0.625 | ++/LC | B/SC/TC |
| QS-483-CATC | C | 3.750 | 1.937 | 3TC | 3.500 | 0.625 | ++ | B/CA/TC |
| QS-483V-CATC | C | 3.750 | 1.937 | 3TC | 3.500 | 0.625 | ++ | V/CA/TC |
| QS-836 | C | 3.750 | 1.937 | 3C | 3.500 | 0.625 | ++ | B/CA/CE |
| QS-836-HC | C | 3.750 | 1.937 | 3C | 3.500 | 0.625 | HC/++ | B/CA/CE |
| QS-836SS | C | 3.750 | 1.300 | 3C | 3.500 | 0.625 | ++ | B/SC/CE |
| QS-1058AN | C | 3.750 | 1.375 | 51 | 4.500 | PLT | | N/CA/PLT |
| QS-2124 | C | 3.750 | 1.937 | 3SS | 3.500 | 0.625 | | B/CA/SS |
| QS-2152 | C | 3.750 | 1.937 | 3SS | 3.500 | 0.625 | | B/CA/SS |
| QS-2152V | C | 3.750 | 2.000 | 3SS | 3.500 | 0.625 | | V/CA/SS |
| QS-2154 | C | 3.750 | 1.125 | 3C | 3.500 | 0.625 | | B/CA/CE |
| QS-2154-SC-TC | C | 3.750 | 1.125 | 1TC | 3.500 | 0.625 | ++ | B/SC/TC |
| QS-2154-TCSC | C | 3.750 | 1.125 | 1SC | 3.500 | 0.625 | ++ | B/TC/SC |
| QS-2154-CATC | C | 3.750 | 1.125 | 1TC | 3.500 | 0.625 | ++ | B/CA/TC |
| QS-2154V-SC-SC | C | 3.750 | 1.125 | 3SC | 3.500 | 0.625 | | V/SC/SC |
| QS-2154V-TC-TC | C | 3.750 | 1.125 | 3TC | 3.500 | 0.625 | ++ | V/TC/TC |
| QS-2708V | C | 3.750 | 1.937 | 3SC | 3.500 | 0.625 | ++ | V/CA/SC |
| QS-3661V | C | 3.750 | 1.500 | 3TC | 3.500 | 0.625 | | V/SC/TC |
| QS-3719AV | C | 3.750 | 1.375 | 3SS | 3.500 | 0.500 | | V/CA/SS |
| QS-3720A | C | 3.750 | 1.937 | 3SS | 3.312 | 0.562 | | B/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
LC - LOCK COLLAR
PLT - PLATE SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|---------|---------------|
| 2.750 (2-3/4") (continued) | | | | | | | | |
| QS-3727A | C | 3.750 | 1.375 | 3SS | 3.500 | 0.500 | | B/CA/SS |
| QS-3841 | C | 3.750 | 1.937 | 3SC | 3.500 | 0.625 | | B/CA/SC |
| QS-3994 | C | 3.750 | 1.500 | 3C | 3.500 | 0.625 | | B/CA/CE |
| QS-4308 | C | 3.750 | 1.937 | 1TC | 3.500 | 0.625 | | B/TC/TC |
| QS-4366 | C | 3.750 | 1.500 | 3TC | 3.500 | 0.625 | | B/SC/TC |
| QS-4381V | C | 3.750 | 1.125 | 1TC | 3.500 | 0.625 | | V/TC/TC |
| QS-6154V | C | 3.625 | 1.687 | 27SS | 4.406 | 0.779 | | V/CA/SS |
| QS-6155V | C | 3.750 | 1.937 | 3SS | 3.500 | 0.625 | ++ | V/CA/SS |
| QS-6205 | C | 3.750 | 1.125 | 1C | 3.500 | 0.625 | | B/CA/CE |
| QS-6207V | C | 3.750 | 1.125 | 3C | 3.500 | 0.625 | | V/CA/CE |
| QS-6239 | C | 3.750 | 1.500 | 3SC | 3.500 | 0.625 | | B/SC/SC |
| QS-6908 | C | 3.750 | 1.125 | 1TC | 3.500 | 0.625 | | B/TC/TC |
| QS-8070A | C | 3.750 | 1.937 | 2SS | 3.500 | 0.469 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-337 | D | 4.000 | 1.937 | 3SS | 3.750 | 0.625 | | B/CA/SS |
| QS-464 | D | 4.000 | 1.937 | 3SS | 3.500 | 0.625 | ++ | B/CA/SS |
| QS-464-CATC | D | 4.000 | 1.937 | 3TC | 3.500 | 0.625 | ++ | B/CA/TC |
| QS-837 | D | 4.000 | 1.937 | 3C | 3.500 | 0.625 | ++ | B/CA/CE |
| QS-837-HC | D | 4.000 | 1.937 | 3C | 3.500 | 0.625 | HC/++ | B/CA/CE |
| QS-3189V | D | 4.000 | 1.937 | 3TC | 3.500 | 0.625 | ++316SS | V/SC/STC |
| QS-3713AN | D | 4.000 | 1.125 | 3SS | 4.375 | 0.468 | | N/CA/SS |
| QS-3715A | D | 4.000 | 1.125 | 2SS | 3.625 | 0.468 | | B/CA/SS |
| QS-3715AE | D | 4.000 | 1.125 | 2SS | 3.625 | 0.468 | | E/CA/SS |
| QS-3737AN | D | 4.000 | 1.937 | 3C | 3.750 | 0.625 | | N/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-321 | E | 3.500 | 2.750 | 3SS | 3.500 | 0.625 | ++ | B/CA/SS |
| QS-321-HC-TC | E | 3.500 | 2.750 | 3TC | 3.500 | 0.625 | HC/++ | B/CA/TC |
| QS-321V | E | 3.500 | 2.750 | 3SS | 3.500 | 0.625 | ++ | V/CA/SS |
| QS-321V-CATC | E | 3.500 | 2.750 | 3TC | 3.500 | 0.625 | ++ | V/CA/TC |
| QS-838 | E | 3.500 | 2.750 | 3C | 3.500 | 0.625 | ++ | B/CA/CE |
| QS-838-HC | E | 3.500 | 2.750 | 3C | 3.500 | 0.625 | HC/++ | B/CA/CE |
| QS-3037 TCTC | E | 3.500 | 2.750 | 1TC | 3.500 | 0.625 | | B/TC/TC |
| QS-3059E | E | 3.500 | 3.250 | 3SC | 3.500 | 0.625 | LC | E/CA/SC |
| QS-3725AN | E | 3.500 | 1.937 | --- | --- | --- | | N/CA/--- |
| QS-4089V | E | 3.500 | 2.750 | 3SC | 3.500 | 0.625 | | V/CA/SC |
| QS-4446V | E | 3.500 | 2.750 | 3TC | 3.500 | 0.625 | | V/TC/TC |
| QS-4544V | E | 3.500 | 3.250 | 3SC | 3.500 | 0.625 | | V/SC/SC |
| QS-4583V | E | 3.500 | 3.250 | 3C | 3.500 | 0.625 | LC | V/CA/CE |
| QS-4788 | E | 3.500 | 2.750 | 3SC | 3.500 | 0.625 | | B/TC/SC |
| QS-7936V | E | 3.500 | 2.750 | 3TC | 3.500 | 0.625 | | V/CA/TC |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
LC - LOCK COLLAR

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-------|-------|------------|---------|---------|-------|-------|---------------|
| 2.750 (2-3/4") (continued) | | | | | | | | |
| QS-9970A | E | 3.500 | 2.000 | 3SS | 3.750 | 0.625 | | B/CA/SS |
| QS-9971A | E | 3.500 | 2.750 | 3SS | 3.750 | 0.625 | | B/CA/SS |
| | | | | | | | | |
| QS-322 | K | 3.750 | 3.750 | 3SS | 3.500 | 0.625 | ++ | B/CA/SS |
| QS-2148 | K | 3.750 | 1.875 | 3C | 3.500 | 0.625 | | B/CA/CE |
| QS-3718A | K | 3.750 | 1.750 | 2SS | 3.750 | 0.531 | | B/CA/SS |
| QS-4855AN | K | 3.750 | 2.375 | 3SS | 4.000 | 0.750 | | N/CA/SS |
| | | | | | | | | |
| QS-6645AN | L-1 | 3.375 | 2.000 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| QS-3722A | T | 3.500 | 3.625 | 3SS | 3.500 | 0.625 | | B/CA/SS |
| QS-4564 | T | 3.500 | 3.750 | 3TC 3TC | 3.750 | 0.625 | | B/CA/TC/CA/TC |
| | | | | | | | | |
| QS-9314 | T9 | 3.625 | 1.687 | 2C | 3.500 | 0.625 | 316SS | CA/CE |
| | | | | | | | | |
| QS-8120V | T8-1 | 3.625 | 1.687 | 3TC | 3.500 | 0.625 | 316SS | V/CA/TC |
| QS-8128E | T8-1 | 3.625 | 1.687 | 5TC | 3.500 | 0.625 | 316SS | E/CA/TC |
| QS-8136V | T8-1T | 3.375 | 1.687 | 3C | 3.500 | 0.625 | 316SS | V/CA/CE |
| QS-8102V | T8B1 | 3.625 | 2.062 | 3TC | 3.375 | 0.562 | 316SS | V/CA/TC |
| | | | | | | | | |
| 2.756 (70MM) SHAFT | | | | | | | | |
| QS-2756 | K | 3.750 | 2.375 | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| 2.875 (2-7/8") SHAFT | | | | | | | | |
| QS-270 | C | 3.718 | 2.062 | 3C | 3.750 | 0.625 | ++ | B/CA/CE |
| QS-839 | C | 3.718 | 2.062 | 3SS | 3.750 | 0.625 | | B/CA/SS |
| QS-1074 | C | 3.718 | 1.312 | 3SS | 3.750 | 0.625 | | B/CA/SS |
| QS-3745AN | C | 3.718 | 2.062 | --- | --- | --- | | N/CA/--- |
| QS-3755A | C | 3.718 | 1.125 | --- | --- | --- | | B/CA/--- |
| QS-3771A | C | 3.718 | 2.062 | 3C | 3.750 | 0.625 | | B/CA/CE |
| QS-4590AN | C | 3.718 | 2.062 | 2SS | 3.875 | 0.688 | | N/CA/SS |
| | | | | | | | | |
| QS-329 | E | 3.625 | 2.875 | 3C | 3.750 | 0.625 | ++ | B/CA/CE |
| QS-329-HC | E | 3.625 | 2.875 | 3C | 3.750 | 0.625 | HC/++ | B/CA/CE |
| QS-841 | E | 3.625 | 2.875 | 3SS | 3.750 | 0.625 | ++ | B/CA/SS |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|-----------------|-------|------------|-----------|---------|-------|-----------|---------------|
| 2.875 (2-7/8") (continued) | | | | | | | | |
| QS-841-E | E | 3.625 | 2.875 | 3SS | 3.750 | 0.625 | ++ | E/CA/SS |
| QS-841-HC | E | 3.625 | 2.875 | 3SS | 3.750 | 0.625 | HC/++ | B/CA/SS |
| QS-3729A | E | 3.625 | 2.875 | 3C | 3.750 | 0.625 | | B/CA/CE |
| QS-4341 | E | 3.625 | 2.875 | 5TC | 3.750 | 0.625 | | B/CA/TC |
| QS-5737 CA-B | EB | 3.625 | 3.250 | 3CE | 3.500 | 0.625 | ++ | B/CA/CE |
| QS-1075 | K | 3.718 | 1.750 | SP*3S | 4.500 | 0.265 | | B/CA/SS |
| QS-3740A | K | 3.718 | 2.250 | 2SS | 3.875 | 0.515 | | B/CA/SS |
| QS-4028N | K | 4.500 | 1.700 | 3 Special | 4.500 | 0.292 | | N/CA/SS |
| QS-4296V | V | 3.625 | 2.250 | 3C | 3.750 | 0.625 | ++ | V/CA/CE |
| QS-8701V | T8-1T DOUBLE | 3.500 | 2.250 | 3C | 3.750 | 0.625 | ++316SS/S | V/TC/CE |
| QS-82875 | T8B2 | --- | --- | 27C | --- | --- | ++316SS/S | V/CA/CE |
| QS-82875 | T8B2 | --- | --- | 27SC | --- | --- | ++316SS/S | |
| 2.937 SHAFT | | | | | | | | |
| QS-3760A | C | 3.718 | 1.312 | 2SS | 4.187 | 0.438 | | B/CA/SS |
| 2.952 (75MM) SHAFT | | | | | | | | |
| QS-1475U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1475L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| 3.000 (3") SHAFT | | | | | | | | |
| QS-1059 | C | 4.000 | 2.750 | 3SS | 3.875 | 0.625 | | B/CA/SS |
| QS-1088 | C | 4.000 | 1.312 | 3C | 3.875 | 0.625 | ++ / * | B/CA/CE |
| QS-1088-TCTC | C | 4.062 | 1.312 | 3TC | 3.875 | 0.625 | ++ / * | B/TC/TC |
| QS-1088V | C | 4.062 | 1.312 | 3CE | 3.875 | 0.625 | ++ / * | V/CA/CE |
| QS-1088V TCTC | C | 4.062 | 1.312 | 3TC | 3.875 | 0.625 | ++ / * | V/TC/TC |
| QS-1696 | C | 4.000 | 2.062 | 3C | 3.875 | 0.625 | | B/CA/CE |
| QS-2115 | C | 4.000 | 2.062 | 3SS | 3.875 | 0.625 | ++ | B/CA/SS |
| QS-2115- CATC | C | 4.000 | 2.062 | 3TC | 3.875 | 0.625 | ++ | B/CA/TC |
| QS-2116 | C | 4.000 | 2.062 | 3C | 3.875 | 0.625 | ++ | B/CA/CE |
| QS-2116-SCSC | C | 4.000 | 2.062 | 3SC | 3.875 | 0.625 | ++ | B/SC/SC |

NOTE: ++ - SLOTTED SEAT
* - TAPERED SPRING

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|-----------|---------|-------|---------|---------------|
| 3.000 (3") (continued) | | | | | | | | |
| QS-2153 | C | 4.000 | 1.125 | 3C | 3.875 | 0.625 | ++ | B/CA/CE |
| QS-2153-SCSC | C | 4.000 | 1.125 | 3SC | 3.875 | 0.625 | ++ | B/SC/SC |
| QS-2153-CATC | C | 4.000 | 1.125 | 3TC | 3.875 | 0.625 | ++ | B/CA/TC |
| QS-2153V-TC-TC | C | 4.000 | 1.125 | 3TC | 3.875 | 0.625 | ++ | V/TC/TC |
| QS-3043V | C | 4.000 | 2.062 | 1SC | 3.875 | 0.625 | | V/CA/SC |
| QS-3152V | C | 4.000 | 1.125 | 1SC | 3.875 | 0.625 | 316SS | V/SC/SC |
| QS-3232V | C | 4.000 | 1.125 | 3TC | 3.875 | 0.625 | | V/CA/TC |
| QS-3235 | C | 4.000 | 2.062 | 1C | 3.875 | 0.625 | 316SS | B/CA/CE |
| QS-3275V | C | 4.000 | 2.062 | 3TC | 3.875 | 0.625 | | V/CA/TC |
| QS-3539V | C | 4.000 | 1.125 | 1TC | 3.875 | 0.625 | | V/TC/TC |
| QS-3600 | C | 4.000 | 1.500 | 3SS | 3.875 | 0.625 | | B/CA/SS |
| QS-3701 | C | 4.000 | 1.500 | 3TC | 3.875 | 0.625 | | B/SC/TC |
| QS-3770AN | C | 4.000 | 3.000 | 8BR | 3.875 | 0.687 | | N/CA/BR |
| QS-3777V | C | 4.000 | 2.062 | 3SC | 3.875 | 0.625 | ++ | V/CA/SC |
| QS-3780A | C | 4.000 | 2.062 | 3SS | 3.562 | 0.469 | | B/CA/SS |
| QS-3785AN | C | 4.000 | 2.062 | --- | --- | --- | | N/CA/--- |
| QS-4086V | C | 4.000 | 2.062 | 1C | 3.875 | 0.625 | | V/CA/CE |
| QS-4352 | C | 4.062 | 1.312 | 3TC | 3.875 | 0.625 | ++ | B/SC/TC |
| QS-4367 | C | 4.000 | 1.125 | 3SS | 3.875 | 0.625 | | B/CA/SS |
| QS-4378V | C | 4.000 | 1.125 | 1TC | 3.875 | 0.625 | | V/SC/TC |
| QS-4481V | C | 4.000 | 2.062 | 3TC | 3.875 | 0.625 | | V/TC/TC |
| QS-6206V | C | 4.000 | 1.125 | 3C | 3.875 | 0.625 | ++ | V/CA/CE |
| QS-6172 | C | 4.000 | 2.062 | 3 Special | 3.875 | 0.625 | ++ | B/CA/CE |
| QS-6173 | C | 3.843 | 1.125 | 3 Special | 3.875 | 0.625 | ++ | B/CA/CE |
| QS-6214V | C | 4.000 | 2.062 | 1TC | 3.875 | 0.625 | | V/TC/TC |
| QS-6225V | C | 4.000 | 2.062 | 3SC | 3.875 | 0.625 | | V/SC/SC |
| QS-6240 | C | 4.000 | 1.500 | 3SC | 3.875 | 0.625 | | B/SC/SC |
| QS-6249 TCTC | C | 4.000 | 1.125 | 3TC | 3.875 | 0.625 | | B/TC/TC |
| QS-6249 SCTC | C | 4.000 | 1.125 | 3 | 3.875 | 0.625 | | B/SC/TC |
| QS-6250V | C | 4.000 | 1.125 | 3SS | 3.875 | 0.625 | | V/CA/SS |
| QS-7875 | C | 4.000 | 2.062 | 1TC | 3.875 | 0.625 | | B/TC/TC |
| QS-7955AN | C | 4.000 | 2.062 | 51 | --- | PLT | | N/CA/PLT |
| QS-7998 | C | 4.000 | 1.125 | 1TC | 3.875 | 0.625 | | B/TC/TC |
| QS-8075A | C | 4.000 | 2.375 | 2SS | 3.875 | 0.469 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-465 | D | 4.250 | 2.062 | 3SS | 3.875 | 0.625 | ++ | B/CA/SS |
| QS-465V | D | 4.250 | 2.062 | 3SS | 3.875 | 0.625 | ++ | V/CA/SS |
| QS-761 | D | 4.250 | 2.062 | 3C | 3.875 | 0.625 | ++ | B/CA/SC |
| QS-2709 | D | 4.250 | 2.062 | 1SC | 3.875 | 0.625 | | B/SC/SC |
| QS-2710V | D | 4.250 | 2.062 | 3SC | 3.883 | 0.625 | ++316SS | V/TC/SC |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 3.000 (3") (continued) | | | | | | | | |
| QS-2716V | D | 4.250 | 2.062 | 3SC | 3.875 | 0.625 | | V/TC/SC |
| QS-3713N | D | 4.250 | 2.062 | 3SS | 4.000 | 0.625 | | N/CA/SS |
| QS-3776V | D | 4.250 | 2.062 | 3TC | 3.875 | 0.625 | | V/TC/TC |
| QS-4033V | D | 4.250 | 2.062 | 3SC | 3.875 | 0.625 | ++ | V/TC/SC |
| QS-4324V | D | 4.250 | 2.062 | 3SS | 4.000 | 0.625 | | V/CA/SS |
| QS-6202 | D | 4.250 | 2.062 | 1TC | 3.875 | 0.625 | | B/TC/TC |
| QS-6219 | D | 4.250 | 2.062 | 3SC | 3.875 | 0.625 | | B/TC/SC |
| QS-6232V | D | 4.250 | 2.062 | 3SC | 3.875 | 0.625 | | V/TC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-324 | E | 3.750 | 2.813 | 3C | 3.875 | 0.625 | ++ | B/CA/CE |
| QS-324-HC | E | 3.750 | 2.875 | 3C | 3.875 | 0.625 | HC/++ | B/CA/CE |
| QS-324-SC-TC | E | 3.750 | 2.875 | 3TC | 3.875 | 0.625 | ++ | B/SC/TC |
| QS-324SS | E | 3.750 | 2.875 | 3C | 3.875 | 0.625 | ++ | B/CA/CE |
| QS-324SSV | E | 3.750 | 2.875 | 3C | 3.875 | 0.625 | ++ | V/CA/CE |
| QS-324-TC-TC | E | 3.750 | 2.875 | 3TC | 3.875 | 0.625 | ++ | B/TC/TC |
| QS-475 | E | 3.750 | 2.813 | 3SS | 3.875 | 0.625 | | B/CA/SS |
| QS-1034A | E | 3.750 | 2.000 | 51 | --- | PLT | | B/CA/PLT |
| QS-1060 | E | 3.750 | 2.813 | 3SS | 3.875 | 0.625 | | B/CA/SS |
| QS-1060V | E | 3.750 | 2.875 | 3SS | 3.875 | 0.625 | | V/CA/SS |
| QS-3766AN | E | 3.750 | 2.813 | 3SS | 3.875 | 0.625 | | N/CA/SS |
| QS-3770 | E | 3.750 | 2.875 | 3SC | 3.875 | 0.625 | ++ | B/TC/SC |
| QS-3969 | E | 3.750 | 2.625 | 3C | 4.000 | 0.500 | LC | B/CA/CE |
| QS-4082 | E | 3.750 | 2.875 | 3SS | 4.000 | 0.500 | | B/CA/SS |
| QS-4147 HC | E | 3.750 | 2.875 | 3C | 3.875 | 0.625 | HC | B/CA/CE |
| QS-4172V | E | 3.750 | 2.875 | 3SS | 3.875 | 0.625 | | V/CA/SS |
| QS-5252 | E | 3.750 | 2.875 | 3SS | 3.875 | 0.625 | ++ | B/CA/SS |
| QS-6174V | E | 3.750 | 2.875 | 3SS | 3.875 | 0.625 | | V/CA/SS |
| QS-9931A | E | 3.750 | 2.000 | 3SS | 3.875 | 0.625 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3021V | G | 3.898 | 2.062 | 1SC | 3.875 | 0.625 | 316SS | V/SC/SC |
| QS-3802E | G | 3.898 | 2.062 | 3SC | 3.875 | 0.625 | | E/CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-2141 | K | 4.000 | 2.500 | 3SS | 3.875 | 0.625 | ++ | B/CA/SS |
| QS-2141-SC-SC | K | 4.000 | 2.500 | 3SC | 3.875 | 0.625 | | B/SC/SC |
| QS-3518 | K | 4.000 | 2.500 | 1C | 3.875 | 0.625 | | B/CA/CE |
| QS-3775A | K | 4.000 | 1.750 | 2SS | 4.000 | 0.515 | | B/CA/SS |
| QS-3776AN | K | 4.000 | 3.000 | 3SS | 3.875 | 0.625 | | N/CA/SS |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT
HC - HARD CARBON
LC - LOCK COLLAR

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|--------------|---------|-------|---------|---------------|
| 3.000 (3") (continued) | | | | | | | | |
| QS-3777A | K | 4.000 | 2.625 | 2SS | 4.000 | 0.515 | | B/CA/SS |
| QS-4196 | K | 4.000 | 2.062 | 3TC | 3.875 | 0.625 | ++ | B/TC/TC |
| QS-6169N | K | 3.968 | 1.750 | 3 Special | 3.875 | 0.625 | | N/CA/CE |
| QS-6170V | K | 3.968 | 1.750 | 3 Special TC | 3.875 | 0.625 | ++ | V/CA/TC |
| QS-6171V | K | 3.968 | 1.750 | 3 Special | 3.875 | 0.625 | | V/CA/CE |
| QS-6228V | K | 4.000 | 2.500 | 3C | 3.875 | 0.625 | | V/CA/CE |
| QS-7873 | K | 4.000 | 2.125 | 3C | 3.875 | 0.625 | ++ | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-4783A | L-2 | 3.750 | 2.750 | 25CA | 4.250 | 0.625 | | B/SS/CA |
| QS-4975AN | L-2 | 3.625 | 2.750 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-284 | R | 4.250 | 2.750 | 3SS | 3.875 | 0.625 | ++ | B/CA/SS |
| QS-986 | R | 4.250 | 3.000 | 3SS | 3.875 | 0.562 | | B/CA/SS |
| QS-6175N | R | 4.250 | 3.000 | 3SS | 3.875 | 0.562 | | N/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-4784A | T | 3.750 | 2.000 | 2SS | 4.125 | 0.569 | | B/CA/SS |
| QS-7993 | T | 3.750 | 3.125 | 3C | 4.000 | 0.500 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-897 | U | 3.750 | 3.375 | 3C | 3.875 | 0.625 | | B/CA/CE |
| QS-3836 | U | 3.750 | 3.875 | 3C | 3.875 | 0.625 | LC / ++ | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-893 | V | 3.750 | 2.750 | 25C | 4.250 | 0.625 | | B/CA/CE |
| QS-3181 | V | 3.750 | 2.750 | 3C | 4.250 | 0.625 | 316SS | B/CA/CE |
| QS-4069 | V | 3.750 | 2.750 | 3TC | 4.000 | 0.500 | | B/CA/TC |
| QS-7215 | V | 3.750 | 2.750 | 3C | 4.000 | 0.500 | 316SS | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-9140 | T9 | 3.812 | 1.687 | 2C | 3.875 | 0.625 | 316SS | CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-8088-81 | T8-1 | 3.812 | 1.687 | --- | --- | --- | 316SS | V/CA/--- |
| QS-8144 | T8B1 | 3.812 | 2.063 | 3TC | 3.500 | 0.625 | 316SS | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| 3.125 (3-1/8") SHAFT | | | | | | | | |
| QS-3790AN | C | 4.000 | 3.375 | 2SS | 4.250 | 0.625 | | N/CA/SS |
| QS-3790AV | C | 4.000 | 3.375 | 2SS | 4.250 | 0.625 | | V/CA/SS |

NOTE: LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------------------------|---------|--------|-------|-----------------|
| 3.125 (3-1/8") (continued) | | | | | | | | |
| QS-3800AN | D | 4.562 | 1.250 | --- | --- | --- | | N/CA/--- |
| QS-7889AV | D | 4.562 | 1.125 | 3SS | 4.125 | 0.562 | | V/CA/SS |
| | | | | | | | | |
| QS-4789A | L-2 | 4.250 | 2.625 | 25CA | 4.750 | 1.031 | | B/SS/CA |
| | | | | | | | | |
| QS-1076 | R | 4.562 | 3.406 | 3SS | 4.000 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-1069 | V | 3.875 | 3.062 | 3C | 4.750 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| QS-8086V | T8-1 | 3.937 | 1.687 | 3TC | 4.000 | 0.781 | 316SS | V/CA/TC |
| | | | | | | | | |
| QS-9949AV | Z | 4.750 | 1.000 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 3.149 (80MM) SHAFT | | | | | | | | |
| QS-3270V | G | 104MM | 40MM | 2SC | 105MM | 12.5MM | 316SS | V/CA/SC |
| | | | | | | | | |
| | | | | | | | | |
| 3.250 (3-1/4") SHAFT | | | | | | | | |
| QS-572 | C | 4.187 | 4.163 | 2SS | 4.500 | 0.500 | | B/CA/SS |
| QS-573 | C | 4.187 | 2.937 | 2SS | 4.000 | 0.531 | | B/CA/SS |
| QS-3180V | C | 4.250 | 2.187 | 3C | 4.125 | 0.781 | | V/CA/CE |
| QS-3702 | C | 4.187 | 1.562 | 3TC | 4.125 | 0.781 | | B/SC/TC |
| QS-3806AN | C | 4.187 | 2.000 | 3SS | 4.250 | 0.781 | | N/CA/SS |
| QS-4127 | C | 4.187 | 1.562 | 3C | 4.125 | 0.781 | ++ | B/CA/CE |
| QS-5720AN | C | 4.187 | 2.937 | 2SS | 4.500 | 0.500 | | N/CA/SS |
| QS-5720AV | C | 4.187 | 2.937 | 2SS | 4.500 | 0.500 | | V/CA/SS |
| QS-5721AN | C | 4.187 | 2.937 | 51/2S | 4.500 | 0.500 | | N/CA/PLT/S S |
| QS-5730AN | C | 4.187 | 2.937 | 2SS | 4.000 | 0.531 | | N/CA/SS |
| QS-6226V SCSC | C | 4.250 | 2.187 | 3SC | 4.125 | 0.781 | | V/SC/SC |
| QS-6251 | C | 4.187 | 1.562 | 3TC | 4.125 | 0.781 | | B/TC/TC |
| QS-6252 | C | 4.187 | 1.562 | 3TC | 4.125 | 0.781 | | V/SC/TC |
| QS-6253 | C | 4.187 | 1.562 | 3C | 4.125 | 0.781 | | B/CA/CE |
| QS-6258 | C | 4.187 | 1.562 | 3SS | 4.125 | 0.781 | | B/CA/SS |
| QS-7835 | C | 4.250 | 2.187 | 3C | 4.125 | 0.781 | | B/CA/CE |

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|---------|-------------|-------|-------|-------------------|
| 3.250 (3-1/4") (continued) | | | | | | | | |
| QS-480 | D | 4.687 | 2.062 | 3SS | 4.250 | 0.781 | | B/CA/SS |
| QS-2803 | D | 4.687 | 2.187 | 3TC | 4.125 | 0.781 | ++ | V/SC/TC |
| QS-3222V | D | 4.187 | 2.062 | 3SC | 4.125 | 0.781 | ++ | V/TC/SC |
| QS-3827 | D | 4.187 | 2.187 | 3TC | 4.125 | 0.781 | | B/TC/TC |
| QS-4175 | D | 4.687 | 2.187 | 3SS | 4.500 | 0.781 | | B/CA/SS |
| QS-6201V | D | 4.687 | 2.187 | 3C | 4.125 | 0.781 | | V/CA/CE |
| QS-7172 | D | 4.687 | 2.187 | 3C | 4.125 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| QS-330 | E | 4.125 | 3.125 | 3C | 4.125 | 0.781 | | B/CA/CE |
| QS-3072V | E | 4.125 | 3.125 | 3SS | 4.125 | 0.781 | ++ | V/CA/SS |
| QS-3246 | E | 4.125 | 3.125 | 3TC | 4.125 | 0.781 | | B/SC/TC |
| QS-3816A | E | 4.125 | 3.125 | 3SS | 4.125 | 0.781 | | B/CA/SS |
| QS-7754 | E | 4.125 | 3.125 | 3SS | 4.125 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| QS-3050 | EB | 4.125 | 3.500 | 3C | 3.875 | 0.625 | | B/CA/CE |
| QS-3256V | EB | 4.125 | 3.500 | 3C | 3.875 | 0.625 | | V/CA/CE |
| QS-3268V | EB | 4.125 | 3.500 | 3TC | 3.875 | 0.625 | | V/CA/TC |
| QS-10144 | EB | 4.125 | 3.500 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| | | | | | | | | |
| QS-3154V | G | 4.094 | 2.187 | 1SC | 4.125 | 0.781 | 316SS | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3258V | K | 4.250 | 2.750 | 3SS 3TC | 4.125 | 0.781 | | V/CA/SS/TC /TC |
| QS-3805A | K | 4.187 | 2.125 | 2SS | 4.250 | 0.515 | | B/CA/SS |
| QS-3815A | K | 4.187 | 2.125 | 2SS | 4.250 | 0.515 | | B/CA/SS |
| QS-3825A | K | 4.187 | 2.125 | 3SS | 4.250 | 0.523 | | B/CA/SS |
| QS-4585 | K | 4.187 | 2.875 | 3SC | 4.125 | 0.781 | | B/CA/SC |
| QS-6227V | K | 4.187 | 2.625 | 3C | 4.125 | 0.781 | | V/CA/CE |
| QS-7244 | K | 4.250 | 2.875 | 3SS | 4.125 | 0.781 | ++ | B/CA/SS |
| QS-3250V- SC/SC | K | 4.250 | 2.875 | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-3255V | T | 4.125 | 4.250 | 3SC | 4.125/4.500 | 0.781 | | V/SC/SC |
| | | | | | | | | |
| | | | | | | | | |
| QS-325 | U | 4.125 | 3.032 | 3SS | 4.125 | 0.781 | | B/CA/SS |
| QS-325SS | U | 4.125 | 3.032 | 3SS | 4.125 | 0.781 | LC/++ | B/CA/SS |
| QS-3157V | U | 4.125 | 3.032 | 3TC | 4.125 | 0.781 | LC | V/CA/TC |
| QS-4174 | U | 4.125 | 3.437 | 3TC | 4.125 | 0.781 | LC | B/TC/TC |

NOTE: LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-----------|---------|-------|-------|---------------|
| 3.250 (3-1/4") (continued) | | | | | | | | |
| QS-4192 | U | 4.125 | 3.032 | 3C | 4.125 | 0.781 | | B/CA/C |
| QS-4475E | U | 4.125 | 3.437 | 3C | 4.125 | 0.781 | LC | E/CA/CE |
| QS-4483V | U | 4.125 | 3.437 | 3SS | 4.125 | 0.781 | | V/CA/SS |
| | | | | | | | | |
| QS-4393 | UB | 4.125 | 3.812 | 5TC | 3.875 | 0.625 | LC | B/CA/TC |
| | | | | | | | | |
| 3.312 (84MM) SHAFT | | | | | | | | |
| QS-3835AN | C | 4.250 | 4.000 | 2SS | 4.437 | 0.688 | | N/CA/SS |
| QS-3836AN | C | 4.250 | 4.250 | 2SS | 4.437 | 0.688 | | N/CA/SS |
| QS-3837AN | C | 4.250 | 2.250 | 2B | 4.437 | 0.688 | | N/CA/BR |
| QS-3838AN | C | 4.250 | 2.625 | 2B | 4.437 | 0.688 | | N/CA/BR |
| QS-4935AN | C | 4.250 | 2.625 | 2SS | 4.250 | 0.812 | | N/CA/SS |
| QS-5725AN | C | 4.250 | 2.625 | 2SS | 4.437 | 0.688 | | N/CA/SS |
| | | | | | | | | |
| 3.375 (3-3/8") SHAFT | | | | | | | | |
| QS-6177V | C | 4.500 | 2.187 | 3SS | 4.250 | 0.781 | ++ | V/CA/SS |
| | | | | | | | | |
| QS-3961V | K | 4.421 | 1.750 | --- | --- | --- | | V/CA/--- |
| | | | | | | | | |
| QS-8706V | T8-1 | 4.250 | 1.687 | 3C | 4.250 | 0.781 | 316SS | V/CA/CE |
| QS-6179V | T8-1 | 4.250 | 1.687 | 3 Special | 5.031 | 0.750 | 316SS | V/CA/CE |
| | | | | | | | | |
| 3.437 (3-7/16") SHAFT | | | | | | | | |
| QS-3505V | U | 4.375 | 2.937 | 3SS | 4.375 | 0.781 | ++ | V/CA/SS |
| | | | | | | | | |
| QS-8106V | T8-1 | 4.312 | 1.687 | 3SS | 4.312 | 0.781 | ++ | V/CA/SS |
| | | | | | | | | |
| 3.497 SHAFT | | | | | | | | |
| QS-7891AV | D | 4.937 | 1.150 | 3SS | 4.884 | 0.562 | | V/CA/SS |
| | | | | | | | | |
| 3.500 (3-1/2") SHAFT | | | | | | | | |
| QS-3847A | C | 4.500 | 1.875 | 3SS | 4.375 | 0.781 | | B/CA/SS |
| QS-4164E | C | 4.625 | 2.187 | 3TC | 4.375 | 0.781 | | E/CA/TC |
| QS-6204 | C | 4.625 | 2.187 | 3C | 4.375 | 0.781 | ++ | B/CA/CE |

NOTE: LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 3.500 (3-1/2") (continued) | | | | | | | | |
| QS-6245 | C | 4.625 | 2.187 | 3SS | 4.375 | 0.781 | | B/CA/SS |
| QS-7890AV | C | 4.500 | 1.375 | 3SS | 4.375 | 0.437 | | V/CA/SS |
| QS-6256V | C | 4.500 | 2.187 | 3C | 4.375 | 0.781 | | V/CA/CE |
| | | | | | | | | |
| QS-3745V | D | 4.937 | 2.187 | 3TC | 4.375 | 0.781 | | V/TC/TC |
| QS-6221 | D | 4.937 | 2.187 | 3TC | 4.375 | 0.781 | | B/TC/TC |
| QS-6256 | D | 5.031 | 1.500 | 3TC | 4.375 | 0.781 | | B/SC/TC |
| | | | | | | | | |
| QS-3143V TCTC | E | 4.375 | 3.125 | 3TC | 4.375 | 0.781 | | V/TC/TC |
| QS-3858 | E | 4.375 | 3.125 | 3SS | 4.375 | 0.781 | | B/CA/SS |
| QS-4019 HC | E | 4.375 | 3.125 | 3C | 4.375 | 0.781 | HC | B/CA/CE |
| QS-4881 | E | 4.375 | 3.125 | 3SS | 4.375 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-3793E | G | 4.402 | 2.189 | 3SC | 4.375 | 0.625 | | B/CA/SC |
| | | | | | | | | |
| QS-4236 | R | 4.937 | 3.125 | 3SC | 4.375 | 0.781 | | B/CA/SC |
| | | | | | | | | |
| QS-4113 | T | 4.375 | 3.562 | 3SS | 4.375 | 0.781 | ++ | B/CA/SS |
| QS-4168 | T | 4.375 | 4.250 | 3C | 4.375 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| QS-3238 | U | 4.375 | 3.625 | 3C | 4.750 | 0.781 | | B/CA/CE |
| QS-4027-U | U | 4.375 | 3.125 | --- | --- | --- | | B/CA/--- |
| | | | | | | | | |
| QS-9337 | T9 | 4.375 | 1.687 | 3TC | 4.375 | 0.781 | 316SS | CA/TC |
| QS-9352 | T9 | 4.375 | 1.687 | 3SS | 4.375 | 0.781 | 316SS | CA/SS |
| | | | | | | | | |
| QS-3862V | T8-1 | 4.375 | 1.687 | 3SS | 4.375 | 0.781 | 316SS | V/CA/SS |
| | | | | | | | | |
| 3.544 (90MM) SHAFT | | | | | | | | |
| QS-1490U | MG1 | --- | --- | G60 | --- | --- | | V/CA/SC |
| QS-1490L | MG1 | --- | --- | G60 | --- | --- | | V/SC/SC |
| | | | | | | | | |

NOTE: ++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------|------|-------|------------|-------------------------|---------|-------|-------|---------------|
| 3.562 SHAFT | | | | | | | | |
| QS-3843AV | S | 5.250 | 1.500 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| 3.625 (3-5/8") SHAFT | | | | | | | | |
| QS-3840AN | C | 4.750 | 4.500 | 2B | 4.750 | 0.687 | | N/CA/BR |
| QS-3841AN | C | 4.750 | 2.625 | 2B | 4.750 | 0.625 | | N/CA/BR |
| | | | | | | | | |
| QS-3262 | E | 4.500 | 3.250 | 3TC | 4.781 | 0.781 | | B/TC/TC |
| QS-3499 | E | 4.500 | 3.750 | 3C | 4.625 | 0.562 | LC | B/CA/CE |
| QS-4043 | E | 4.500 | 3.250 | 3C | 4.625 | 0.781 | ++ | B/CA/CE |
| | | | | | | | | |
| QS-4856AN | K | 4.750 | 3.625 | 3SS | 4.875 | 0.750 | | N/CA/SS |
| | | | | | | | | |
| QS-4547N | R | 5.125 | 3.765 | 3SS | 5.125 | 0.750 | | N/CA/SS |
| | | | | | | | | |
| QS-3553 HC | T | 4.500 | 3.875 | 3SS | 4.781 | 0.781 | HC | B/CA/SS |
| QS-3645 | T | 4.500 | 3.875 | 3TC | 4.625 | 0.562 | | B/SC/TC |
| QS-3684 | T | 4.625 | 3.875 | 3C | 4.625 | 0.562 | | B/CA/CE |
| QS-6237 | T | 4.500 | 3.875 | 3TC | 4.625 | 0.562 | | B/CA/TC |
| | | | | | | | | |
| QS-285 | U | 4.500 | 3.250 | 3SS | 4.500 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-3779 | V | 4.375 | 2.625 | 3C | 4.625 | 0.562 | | B/CA/CE |
| QS-8054 HC | V | 4.500 | 3.875 | 3SS | 4.781 | 0.781 | HC | B/CA/SS |
| QS-8127 | V | 4.500 | 3.875 | 3C | 4.781 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| 3.750 (3-3/4") SHAFT | | | | | | | | |
| QS-272 | C | 4.875 | 2.312 | 3C | 4.625 | 0.781 | ++ | B/CA/CE |
| QS-1313A | C | 4.875 | 2.312 | 3SS | 4.625 | 0.688 | | B/CA/SS |
| QS-5740AN | C | 4.875 | 2.625 | 2SS | 4.500 | 0.531 | | N/CA/SS |
| QS-9105AN | C | 4.875 | 2.312 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |

NOTE: HC - HARD CARBON
LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|------|---------|-------|---------|---------------|
| 3.750 (3-3/4") (continued) | | | | | | | | |
| QS-4010 | D | 5.406 | 1.562 | 3TC | 4.625 | 0.781 | | B/SC/TC |
| QS-6203 | D | 5.250 | 2.312 | 3C | 4.625 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| QS-4278 | E | 4.625 | 3.250 | 3C | 4.625 | 0.781 | | B/CA/CE |
| QS-4142V | E | 4.625 | 3.812 | 3SC | 4.625 | 0.856 | LC | V/CA/SC |
| QS-10002 | E | 4.625 | 3.375 | 3C | 4.625 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| QS-3237 | K | 4.875 | 2.875 | 3SC | 4.625 | 0.781 | | B/SC/SC |
| QS-3855AV | K | 4.875 | 2.125 | 2SS | 4.750 | 0.515 | | V/CA/SS |
| | | | | | | | | |
| QS-4798A | L-2 | 5.000 | 3.250 | 25CA | 5.625 | 1.031 | | B/SS/CA |
| | | | | | | | | |
| QS-RO-053 | RO | --- | --- | 25 | 4.625 | --- | | 18055 |
| QS-RO-055 | RO | --- | --- | 25 | 4.125 | --- | | 18053 |
| | | | | | | | | |
| QS-7986 | U | 4.625 | 3.500 | 3SS | 4.625 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-9708 | T9B | 4.625 | 2.062 | 1SS | 4.375 | 0.781 | 316SS | CA/SS |
| | | | | | | | | |
| QS-8104V | T8-1 | 4.625 | 1.687 | 3C | 4.625 | 0.781 | ++316SS | V/CA/CE |
| QS-8700V | T8-1 | 4.625 | 1.687 | 27SS | 5.421 | 1.000 | ++316SS | V/CA/SS |
| | | | | | | | | |
| | | | | | | | | |
| 3.875 (3-7/8") SHAFT | | | | | | | | |
| QS-3845AN | C | 5.000 | 5.625 | 2B | 5.000 | 0.625 | | N/CA/BR |
| QS-3846A | C | 5.000 | 2.250 | 3SS | 4.750 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-4341AN | D | 5.250 | 2.250 | 3SS | 5.125 | 0.781 | | N/CA/SS |
| | | | | | | | | |
| QS-10001 | E | 4.750 | 2.500 | 3C | 4.750 | 0.781 | | B/CA/CE |
| | | | | | | | | |

NOTE: LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------------|------|-------|------------|-------------------------|---------|-------|----------------|---------------|
| 3.875 (3-7/8") (continued) | | | | | | | | |
| QS-286 | U | 4.750 | 3.375 | 3SS | 4.750 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-8028 HC | T8-1 | 4.750 | 1.688 | 3SS | 4.750 | 0.781 | ++316SS/ HC | V/CA/SS |
| QS-8055 HC | T8-1 | 4.750 | 1.688 | 3C | 4.750 | 0.781 | ++316SS/ HC | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 4.000 (4") SHAFT | | | | | | | | |
| QS-2719V | D | 5.562 | 2.437 | 3SC | 4.875 | 0.781 | | V/CA/SC |
| QS-7892AV | D | 5.375 | 1.125 | 3SS | 4.884 | 0.563 | | V/CA/SS |
| | | | | | | | | |
| QS-3257 | E | 5.312 | 3.375 | 3C | 4.875 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| QS-7853 | EB | 4.880 | 3.750 | 3C | 4.625 | 0.781 | | B/CA/CE |
| | | | | | | | | |
| QS-3253 | K | 5.125 | 2.875 | 3TC | 4.875 | 0.781 | | B/CA/TC |
| QS-3865A | K | 5.250 | 2.250 | 2SS | 5.125 | 0.515 | | B/CA/SS |
| QS-4857AN | K | 5.250 | 4.375 | 3SS | 5.750 | 1.000 | | N/CA/SS |
| | | | | | | | | |
| QS-1077 | R | 5.562 | 3.125 | 3SS | 4.875 | 0.781 | | B/CA/SS |
| | | | | | | | | |
| QS-9351 | T9 | 4.875 | 1.687 | 2C | 4.875 | 0.781 | 316SS | CA/CE |
| | | | | | | | | |
| QS-8563 | T8-1 | 4.875 | 1.687 | 5TC | 4.875 | 0.781 | | V/CA/TC |
| | | | | | | | | |
| | | | | | | | | |
| 4.062 SHAFT | | | | | | | | |
| QS-1052AV | Z | 6.000 | 1.550 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| QS-3867AV | Z | 6.000 | 1.550 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |
| | | | | | | | | |
| | | | | | | | | |
| 4.125 SHAFT | | | | | | | | |
| QS-3870AN | C | 5.375 | 2.750 | --- | --- | --- | | N/CA/--- |
| | | | | | | | | |
| | | | | | | | | |

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------|------|-------|------------|------|---------|-------|---------|---------------|
| 4.250 (4-1/4") SHAFT | | | | | | | | |
| QS-3875A | K | 5.580 | 2.750 | 2SS | 5.500 | 0.578 | | B/CA/SS |
| QS-8126 | T8-1 | 5.250 | 1.687 | 3C | 5.250 | 0.781 | 316SS | V/CA/CE |
| 4.375 (4-3/8") SHAFT | | | | | | | | |
| QS-8060V | T8-1 | 5.250 | 1.687 | 3SS | 5.375 | 0.781 | ++316SS | V/CA/SS |
| 4.437 SHAFT | | | | | | | | |
| QS-3885AN | C | 5.500 | 2.500 | --- | --- | --- | | N/CA/--- |
| QS-8061V | T8-1 | 5.250 | 1.687 | 3SS | 5.375 | 0.781 | 316SS | V/CA/SS |
| 4.500 (4-1/2") SHAFT | | | | | | | | |
| QS-4529 | E | 5.562 | 4.812 | 3C | 5.500 | 0.781 | LC | B/CA/CE |
| 4.625 (4-5/8") SHAFT | | | | | | | | |
| QS-7893AV | D | 5.750 | 1.625 | 3SS | 6.250 | 0.562 | | V/CA/SS |
| QS-8083V | T8B1 | 5.625 | 2.062 | 3TC | 5.375 | 0.781 | 316SS | V/CA/TC |
| 4.750 (4-3/4") SHAFT | | | | | | | | |
| QS-4199 | D | 6.500 | 3.000 | 3C | 5.750 | 0.781 | | B/CA/CE |
| QS-490 | E | 5.750 | 3.156 | 3C | 7.000 | 0.562 | | B/CA/CE |
| QS-8067 | T8B1 | 5.750 | 2.062 | 3SC | 5.500 | 0.781 | | B/CA/SC |
| 5.000 (5") SHAFT | | | | | | | | |
| QS-4430 | C | 6.375 | 2.937 | 3CE | 6.000 | 0.781 | | V/CA/CE |

NOTE: LC - LOCK COLLAR
++ - SLOTTED SEAT

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-------------------------------|------|-------|------------|-------------------------|---------|-------|-------|---------------|
| 5.000 (5") (continued) | | | | | | | | |
| QS-4209 | E | 6.375 | 4.125 | 3C | 6.000 | 0.781 | | B/CA/CE |
| QS-2140 | K | 6.375 | 3.780 | 3SS | 6.000 | 0.781 | | B/CA/SS |
| QS-4414 | V | 6.125 | 4.968 | 3SS | 6.781 | 0.781 | | B/CA/SS |
| QS-8087 | X | 6.000 | 1.688 | 3TC | 6.000 | 0.781 | 316SS | V/SC/TC |
| 5.250 SHAFT | | | | | | | | |
| QS-7894AV | D | 6.375 | 2.000 | 3SS | 7.000 | 0.562 | | V/CA/SS |
| 5.375 SHAFT | | | | | | | | |
| QS-6231 | D | 7.375 | 2.750 | 3SC | 6.375 | 0.781 | | V/TC/SC |
| 5.500 (5-1/2") SHAFT | | | | | | | | |
| QS-4430V | C | 6.375 | 2.937 | 3C | 6.000 | 0.781 | | V/CA/CE |
| QS-7895AV | D | 6.625 | 1.625 | 3SS | 7.600 | 0.563 | | V/CA/SS |
| QS-4209 | E | 6.375 | 4.125 | 3C | 6.000 | 0.781 | | B/CA/CE |
| QS-20137V-E | E | 6.375 | 4.125 | --- | --- | --- | | V/CA/--- |
| QS-2140 | K | 6.375 | 3.781 | 3SS | 6.000 | 0.781 | | B/CA/SS |
| QS-2741 | K | 6.375 | 3.781 | 3C | 6.000 | 0.781 | | B/CA/CE |
| QS-3155 | K | 6.375 | 3.625 | 3SS | 6.000 | 0.781 | | B/CA/SS |
| QS-4414-V | V | 6.125 | 4.968 | 3SC | 6.781 | 0.781 | | V/CA/SC |
| QS-8087V SCTC | T8-1 | 6.000 | 1.688 | 3TC | 6.000 | 0.781 | 316SS | V/CA/TC |
| QS-3902AV | Z | 7.500 | 1.500 | SEAT UNITIZED WITH SEAL | | | | V/CA/CE |

| Quantum Part Number | Type | O.D. | OP. Height | Type | C' Bore | Thick | NOTES | Material Code |
|-----------------------------|------|-------|------------|------|---------|-------|-------|---------------|
| 5.625 (5-5/8") SHAFT | | | | | | | | |
| QS-6230 | D | 7.687 | 2.750 | 3C | 6.625 | 0.781 | ++ | B/CA/CE |
| QS-6230V | D | 7.687 | 2.750 | 3C | 6.625 | 0.781 | ++ | V/CA/CE |
| | | | | | | | | |

NOTE: ++ - SLOTTED SEAT