

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-5055ATF	A	0.937	0.640	1CTF	0.875	0.219		TF/CA/CE
QS-1614X	A	0.937	0.656	1C	1.000	0.312		B/CA/CE
QS-03030X	A	0.937	0.640	1C	0.875	0.281		B/CA/CE
QS-03034X	A	0.937	0.640	1SS	0.875	0.312		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-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-302XN	C	0.812	0.750	---	---	---		N/CA/---
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-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								
QS-11001	C	0.865	0.590	1C	0.984	0.312		B/CA/CE
QS-11002	C	0.865	0.590	1SS	0.984	0.312		B/CA/SS
QSM-2966	T-43 DBL	22MM	30.3MM	G60	25MM	5M		V/CA/SC V/SC/SC
QSM-2967	T-43 DBL	22MM	30.3MM	G60	26MM	5M		V/CA/SC V/SC/SC
QSM-2968	T-43 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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.472 (12 MM) (continued)								
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
.500 (1/2") SHAFT								
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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.500 (1/2") (continued)								
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
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

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-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
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-2802	C	0.937	0.812	3SS	0.938	0.312		N/CA/SS
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-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: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.500 (1/2") (continued)								
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-9030A	C	0.937	0.656	2B	1.000	0.375		B/CA/BR
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-0545X	C	0.937	0.718	3C				B/CA/CE
QS-0545NX	C	0.937	0.718	3C				N/CA/CE
QS-0545VX	C	0.937	0.718	3C				V/CA/CE
QS-0553X	C	0.937	0.718	3SC				B/CA/SC
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-1539X	C	0.937	0.718	1SS	1.000	0.203		B/CA/SS
QS-10533X	C	0.937	0.718	25C	1.250	0.375		B/CA/CE
QS-10536VX	C	0.937	0.718	3C	1.093	0.312		V/CA/CE
QS-10582X	C	0.937	0.718	1C	1.000	0.312		B/CA/CE
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	0.312		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

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.500 (1/2") (continued)								
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-22088	G	0.945	0.591	3SC	1.000	0.312		B/CA/SC
QS-1071A	K	0.937	0.975	---	---	---		B/CA/---
QS-1083A	K	0.937	1.125	1C	1.000	0.312		B/CA/CE
QS-0511X	K	0.937	1.125	---	---	---		B/SC/---
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/---

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.500 (1/2") (continued)								
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-0506X	T	0.937	1.425	---	---	---		V/CA/---
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-22089	9	1.031	0.812	2C	1.000	0.312		V/CA/CE
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
QS-7727V	8-1T Special	0.875	0.527	3SS	1.000	0.312	316SS	V/CA/SS
QS-8138	8-1T	0.875	0.527	3SC	1.000	0.312		V/SC/SC

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.512 (13MM) SHAFT								
QS-11003	C	0.937	0.812	1C	1.000	0.375		B/CA/CE
QS-11004	C	0.937	0.812	1C	1.000	0.375		V/CA/CE
QS-11005	C	0.937	0.812	1SS	1.000	0.375		B/CA/SS
QSM-2981V	C-DBL	0.937	0.875	G60	---	5MM		V/SC/SC V/CA/CE
.552 (14MM) SHAFT								
QS-11006	C	0.945	0.875	1C	1.000	0.375		B/CA/CE
QS-11007	C	0.945	0.875	1C	1.000	0.375		V/CA/CE
QS-11008	C	0.945	0.875	1C	1.000	0.375		B/CA/SS
QSM-2969	T-43 DBL	24MM	38.3MM	G60	26MM	5MM		V/CA/SC V/SC/SC
QSM-2970	T-43 DBL	24MM	38.3MM	G60	28MM	5MM		V/CA/SC V/SC/SC
QSM-2971	T-43 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

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.562 (9/16") (continued)								
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
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
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-22058	D	1.312	0.875	1SC	1.250	0.406		B/CA/SC

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.590 (15MM) (continued)								
QS-22059	D	1.312	0.875	1SC	1.250	0.406		V/CA/SC
QS-05902X	D	1.312	0.875	---	---	---		B/CA/---
QS-20719XN	D	1.312	1.043	---	---	---		N/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-11009	C	1.062	0.875	1C	1.250	0.406		B/CA/CE
QS-11010	C	1.062	0.875	1C	1.250	0.406		V/CA/CE
QS-11011	C	1.062	0.875	1C	1.250	0.406		B/CA/SS
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
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

NOTE: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.625 (5/8") (continued)								
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
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

NOTE: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.625 (5/8") (continued)								
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
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-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

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-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-22229	A	1.218	0.812	1SC	1.250	0.406		E/CA/SC
QS-0619X	A	1.218	0.812	---	---	---		B/CA/---
QS-0630X	A	1.218	0.812	---	---	---		B/CA/---
QS-0643X	A	1.218	0.718	1SS	1.094			B/CA/SS
QS-0650VX	A	1.218	0.718	1C	1.187	0.343		V/CA/SC
QS-0658X	A	1.218	0.718	1SC	1.250	0.406		E/SC/SC
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
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

NOTE: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.625 (5/8") (continued)								
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-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-22011	B	1.437	0.615	8SS	1.109	0.375		B/CA/SS
QS-22178	B	1.437	0.615	8SS	1.109	0.312		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-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
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	C	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

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-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/---
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

NOTE:

* - TAPERED SPRING
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-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
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.625 (5/8") (continued)								
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
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

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-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/---
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-22014	C	1.062	0.875	3TC	1.250	0.406		E/CA/TC
QS-22097	C	1.062	0.875	3SC	1.250	0.406		E/CA/SC
QS-22159	C	1.062	0.875	3SC	1.250	0.406		E/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-0693EX	C	1.218	0.718	3C	1.250	0.406		E/CA/SC
QS-06104X	C	1.062	0.875	1				
QS-06104VX	C	1.062	0.875	1				
QS-06145X	C	1.062	0.687	---	---	---		B/CA/---
QS-06164XN	C	1.062	0.765	---	---	---		N/CA/---
QS-15-52	C	1.062	0.812	1C	1.175	0.375		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)								
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
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

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-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
QS-1901-1	G	1.024	0.718	G60		0.406		B/CA/CE
QS-1906-2	G	1.024	0.718	G60		0.406		B/CA/CE
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

NOTE: # - MOUNTS IN PLASTIC

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.625 (5/8") (continued)								
QS-2770	G	1.024	0.718	1SC	1.250	0.406		E/CA/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	1.250	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-22096	G	1.024	0.718	1	1.250	0.406		B/CA/SC
QS-22098	G	1.024	0.718	1	1.250	0.406		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-22169	K	1.062	1.187	3SC	1.250	0.406		B/CA/SC
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

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-1318AN	L-1	1.000	1.625	---	---	---		N/CA/---
QS-5965AV	L-1	1.000	0.812	---	---	---		V/CA/---
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-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 Db1.	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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.625 (5/8") (continued)								
QS-9322-STE.	T9T	1.082	0.937	Special SS	1.490	0.625	316SS	CA/STE
QS-22095	T9	1.187	0.750	2C	1.250	0.406	316SS	CA/CE
QS-8137V	T8-1	1.188	0.750	1C	1.250	0.406	316SS	V/CA/CE
QS-8139	T8-1T	1.082	0.750	3SC	1.250	0.406	316SS	V/SC/SC
.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	PREASSEMBLED 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

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.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
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-0751X	A	1.343	0.718	1C	1.375	0.406		B/CA/CE
QS-0758X	A	1.343	0.718	1C	1.375	0.406		B/CA/CE

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.750 (3/4") (continued)								
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-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
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-22099	B	1.575	0.615	1SC	1.375	0.406		E/CA/SC
QS-112	C	1.187	0.875	1SS	1.375	0.406		B/CA/SS

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.750 (3/4") (continued)								
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-182	C	1.187	0.875	---	PLATE	---		N/CA/SS
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
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

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-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
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

NOTE: * - TAPERED SPRING
 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-3194E	C	1.187	0.718	1SC	1.375	0.406		E/SC/SC
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
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-22009	C	1.187	0.875	1TC	1.375	0.406		E/CA/TC
QS-22182	C	1.187	0.875	5SC	1.383	0.406		B/CA/SC
QS-0708X	C	1.187	0.812	3SC	1.375	0.406		B/SC/SC
QS-0708NX	C	1.187	0.812	3SC	1.375	0.406		N/SC/SC
QS-0708VX	C	1.187	0.812	3SC	1.375	0.406		V/SC/SC
QS-0767X	C	1.187	0.875	1SC	1.375	0.406		V/CA/SC
QS-0780VX	C	1.187	0.875	1SC	1.375	0.406		B/SC/SC
QS-0781X	C	1.187	0.875	1SS	1.687	0.406		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
.750 (3/4") (continued)								
QS-07142X	C	1.187	0.875	2SS	1.125	0.406		B/CA/SS
QS-07143NX	C	1.187	0.875	3C	1.375	0.406		N/CA/CE
QS-10762VX	C	1.187	0.875	3SC	1.375	0.406		E/SC/SC
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-6006	D	1.437	0.845	3SC	1.375	0.406		B/CA/SC
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

NOTE: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.750 (3/4") (continued)								
QS-9925A	D	1.437	1.000	2B	1.375	0.406		B/CA/BR
QS-22003	D	1.437	0.875	1SC	1.375	0.406		E/SC/SC
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-22039	G	1.260	0.718	1SC	1.375	0.406		B/CA/SC
QS-22100	G	1.260	0.718	2C	1.375	0.406		B/CA/CE
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-22170	K	1.187	1.156	3SC	1.375	0.406		B/CA/SC
QS-0775X	K	1.187	1.187	---	---	---		B/CA/---
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

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.750 (3/4") (continued)								
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
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-8714	T8B2	1.375	0.875	3C	1.375	0.406		V/CA/CE
QS-8140	T8-1T	1.218	0.875	3SC	1.375	0.406	316SS	V/SC/SC
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

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.787 (20MM) (continued)								
QS-11012	C	1.312	0.937	1C	1.500	0.406		B/CA/CE
QS-11013	C	1.312	0.937	1C	1.500	0.406		V/CA/CE
QS-11014	C	1.312	0.937	1SS	1.500	0.406		B/CA/SS
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-22103	G			1SC	35MM	6MM		V/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
.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
QS-11015	C	1.312	0.937	1C	1.500	0.406		B/CA/CE
QS-11016	C	1.312	0.937	1C	1.500	0.406		V/CA/CE
QS-11017	C	1.312	0.937	1SS	1.500	0.406		B/CA/SS
QS-8142	T8-1T	1.218	0.937	3SC	1.375	0.406		V/SC/SC
.848 SHAFT								
QS-1580A	M	1.750	1.275	3SS	1.218	0.453		B/CA/SS

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
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-309V-CA-TC	C	1.312	0.937	1TC	1.500	0.406		V/CA/TC
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
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

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-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
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-0847VX	C	1.312	0.937	3SC	1.500	0.406		E/SC/SC

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-0873X	C	1.312	0.937	1C	1.562	0.406		B/CA/CE
QS-0889X	C	1.312	0.937	1SC	1.500	0.406		V/CA/SC
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
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-3316	D	1.562	0.937	3SC	1.500	0.406	AFLAS	AF/SC/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-22031	D	1.562	0.937	3	1.500	0.406		E/CA/CE

NOTE: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.875 (7/8") (continued)								
QS-22138	D	1.562	0.937	3SC	1.500	0.406		B/SC/SC
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
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

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-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-22032	K	1.281	1.250	3C	1.500	0.406		B/CA/CE
QS-22171	K	1.281	1.250	3SC	1.500	0.406		B/CA/SC
QS-0836VX	K	1.281	1.250	3SC	1.500	0.406		V/CA/SC
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-332203	T9	1.437	0.937	---	---	---	316SS	E/CA/---
QS-8065	T8-1	1.437	0.937	3SC	1.500	0.406	316SS	B/SC/SC
QS-8772	T8B	1.437	0.937	3SS	1.500	0.406	316SS	B/CA/SS
QS-8143	T8-1T	1.406	0.937	3SC	1.500	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
.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
24MM SHAFT								
QS-11018	C	1.687	1.000	1C	1.625	0.406		B/CA/CER
QS-11019	C	1.687	1.000	1C	1.625	0.406		V/CA/CER
QS-11020	C	1.687	1.000	1SS	1.625	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

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
.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
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	---	---		
QS-29900A	C	1.687	1.000	3C	1.625	0.437		B/CA/CE
QS-09806X	C	1.687	1.000	1C	1.720	0.406		B/CA/CE
QS-09806VX	C	1.687	1.000	1C	1.720	0.406		V/CA/CE
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-22104	G	1.535	0.787	1	1.575	0.437		E/CA/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

NOTE: HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.000 (1") (continued)								
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
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-1004X	A	1.687	0.812	1C	1.625	0.437		E/CA/CE
QS-1015X	A	1.687	0.812	1SC	1.625	0.437		V/CA/SC
QS-11002X	A	1.687	0.812	---	---	---		E/CA/---
QS-41002X	A	1.687	0.812	---	---	---		B/SC
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

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-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
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-1094E	C	1.687	0.812	1C	1.625	0.437		E/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

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-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-2814	C	1.687	1.000	3SS	1.625	0.437		N/CA/SS
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
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		

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-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-22044	C	1.687	1.000	1SC	1.625	0.437		B/CA/SC
QS-1052X	C	1.687	1.000	3TC	1.625	0.437		B/CA/TC
QS-1052VX	C	1.687	1.000	3TC	1.625	0.437		V/CA/TC
QS-10102VX	C	1.687	1.000	3SC	1.625	0.437		V/CA/SC
QS-10104X	C	1.687	1.000	1C	1.625	0.437		N/CA/CE
QS-10124X	C	1.687	1.000	3C	1.625	0.437		E/CA/SC
QS-10126X	C	1.687	1.000	3SC	1.625	0.437		E/CA/TC
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
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

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-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-3011	D	1.812	1.062	28TC				B/TC/TC
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-6019	D	1.750	1.000	3SS	1.625	0.437		N/CA/SS
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-7100	D	1.812	1.062	28TC				B/TC/TC
QS-7991	D	1.812	1.000	25SS	1.625	0.500		B/CA/SS
QS-22119	D	1.812	1.000	3	1.625	0.437		E/CA/CE
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

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-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
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

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.000 (1") (continued)								
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
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-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-22101	G	1.535	0.813	3SC	1.625	0.437		E/CA/SC
QS-22105	G	1.535	0.813	1SC	1.625	0.437		V/CA/SC
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

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.000 (1") (continued)								
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-1022X	K	1.687	1.625	3C	1.625	0.437		B/CA/CE
QS-1086X	K	1.687	1.625	1SC	1.625	0.437		B/CA/SC
QS-1090X	K	1.687	1.625	1SC	1.625	0.437		B/SC/SC
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/---
QS-2060AN	L-2	1.625	1.500	---	---	---		N/CA/---
QS-3922AN	L-2	1.875	1.875	8SS	M.O.S.	0.350		N/CA/SS
QS-3965A	L-2	1.750	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

NOTE: PLT - PLATE SEAT
HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.000 (1") (continued)								
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
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	1.562	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
QS-8145	T8-1T	1.437	1.000	3SC	1.625	0.437	316SS	V/SC/SC

NOTE: ++ - SLOTTED SEAT
 PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
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
QS-11021	C	1.687	1.062	1C	1.750	0.437		B/CA/CA
QS-11022	C	1.687	1.062	1C	1.750	0.437		V/CA/CER
QS-11023	C	1.687	1.062	1SS	1.750	0.437		B/CA/SS
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-10613X	C	1.687	1.062	1C	1.750	0.437		B/CA/CE
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
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-9303	T9	1.625	1.000	3SS	1.750	0.437	316SS	CA/SS
QS-9338	T9	1.625	1.000	27SS	1.812	0.437	316SS	CA/SS
QS-91062-3	T9	1.625	1.000	3SS	1.812	0.437	316SS	CA/SS
QS-91062-27	T9	1.625	1.000	27SS	1.812		316SS	CA/SS

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-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
QS-11024	C	1.812	1.062	1C	1.750	0.437		B/CA/CER
QS-11025	C	1.812	1.062	1C	1.750	0.437		V/CA/CER
QS-11026	C	1.812	1.062	1SS	1.750	0.437		B/CA/SS
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
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

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-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
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

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-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-1112X	C	1.812	1.062	3TC	1.750	0.437		E/TC/TC
QS-1121X	C	1.812	1.062	3CE	1.875	0.687		B/CA/CE
QS-1121VX	C	1.812	1.062	3CE	1.875	0.687		V/CA/CE
QS-1131X	C	1.812	1.062	3SC	1.875	0.437		B/CA/SC
QS-1194X	C	1.812	1.062	3SC	1.750	0.437		V/SC/SC
QS-1355X	C	1.812	1.062	3SC	1.750	0.437		E/SC/SC
QS-1356X	C	1.812	1.062	3TC	1.750	0.437		E/SC/TC
QS-11136VX	C	1.812	1.062	3SC	1.750	0.437		E/SC/SC
QS-11777VX	C	1.812	1.062	1SC	1.750	0.437		V/SC/SC
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

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-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
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

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-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
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-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

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-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-3325	E	1.625	1.625	27C	1.750	0.500		B/CA/CE
QS-3653N	E	1.937	1.333	3SS	2.000	0.375	++	N/CA/SS
QS-4262	E	1.625	1.625	3SS	1.750	0.437	++	B/CA/SS
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-12033	EB	1.625	1.937	3C	1.625	0.437		B/CA/CE
QS-12034	EB	1.625	1.937	3C	1.625	0.437		V/CA/CE
QS-12035	EB	1.625	1.937	3C	1.625	0.437		E/CA/CE
QS-12036	EB	1.625	1.937	3SS	1.625	0.437		B/CA/SS
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

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-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
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-12037	R	2.187	2.187	3C	2.000	0.437		V/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-12038	T	1.625	2.437	3C	2.000	0.437		B/CA/CE
QS-12039	T	1.625	2.437	3C	2.000	0.437		V/CA/CE
QS-12040	T	1.625	2.437	3C	2.000	0.437		E/CA/CE
QS-12041	T	1.625	2.437	3SS	2.000	0.437		B/CA/SS
QS-545	T/U	1.625	1.812	1C	1.750	0.437		B/CA/CE

NOTE: ++ - SLOTTED SEAT
 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-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-12042	U	1.625	1.688	3C	1.750	0.437		B/CA/CE
QS-12043	U	1.625	1.688	3C	1.750	0.437		E/CA/CE
QS-12044	U	1.625	1.688	3C	1.750	0.437		V/CA/CE
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 - 2 PIN HOLES
QS-22186	T8-B1	1.692	1.125	3C	1.625	0.437	316SS	V/CA/CE
QS-22193	T8-B1	1.692	1.125	3SC	1.625	0.437	316SS	V/CA/SC
QS-8006	T8B2	1.875	1.000	27C	2.375	1.000	316SS	V/CA/CE
QS-8146	T8-1T	1.625	1.062	3SC	1.750	0.437	316SS	V/SC/SC
1.156 SHAFT								
QS-2345AN	D	2.000	0.900	---	---	---		N/CA/---
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		---	---		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
QS-11027	C	1.875	1.062	1C	1.875	0.437		Y/CA/CE
QS-11028	C	1.875	1.062	1SS	1.875	0.437		B/CA/CE

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.181 (30MM) (continued)								
QS-1313NX	C	1.875	1.062					
QS-11809X	C	1.875	1.062	1C	1.969	0.437		B/CA/CE
QS-11809VX	C	1.875	1.062	1C	1.969	0.437		V/CA/CE
QS-11831X	C	1.875	1.062	1C	1.937	0.437		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-11029	C	1.875	1.062	1C	1.875	0.437		B/CA/CE
QS-11030	C	1.875	1.062	1C	1.875	0.437		V/CA/CE
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-11031	C	1.937	1.062	1C	1.875	0.437		B/CA/CE
QS-11032	C	1.937	1.062	1C	1.875	0.437		V/CA/CE

NOTE: PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.240 (continued)								
QS-11033	C	1.937	1.062	1SS	1.875	0.437		B/CA/SS
QS-2460AN	L-1	1.937	1.750	3BR	2.000	0.656		N/CA/BR
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

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-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
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

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-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
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

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-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
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	51	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

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-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
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

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-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	5I	2.687	PLT		N/CA/PLT
QS-2678B	C	1.937	0.734	---	---	---		B/CA/---
QS-22172	C	1.937	1.062	5SC	1.883	0.437		B/CA/SC
QS-22181	C	1.937	1.062	5TC	1.883	0.437		V/CA/TC
QS-1246X	C	1.937	1.625	---	---	---		B/CA/---
QS-312115VX	C	1.937	1.062	3SC	1.875	0.437		V/SC/SC
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
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

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-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-2659	D	2.000	1.062	3C	1.875	0.437		E/CA/CE
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
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-22008	D	2.062	1.062	3SC	2.125	0.437		B/CA/CE
QS-22135	D(B)	2.062	1.125	3C	1.750	0.437		B/CA/CE

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-1246EX	D	2.062	1.125	1SC	1.875	0.437		E/CA/SC
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
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

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.250 (1-1/4") (continued)								
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-2657	E	1.812	1.625	3TC	1.875	0.437		V/CA/TC
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	51	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-4628	E	1.812	1.625	27C	1.875	0.500		B/CA/CE
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-22077	E	1.812	1.625	3TC	1.875	0.437		E/CA/TC
QS-22207	E	1.812	1.625	3SC	1.875	0.437		B/CA/SC
QS-22224	E	1.812	1.625	3SC	1.875	0.437		B/SC/SC
QS-31299X	E	1.812	1.625	1SC	1.875	0.437		V/SC/SC
QS-3288	EB	1.812	2.000	3TC	1.875	0.437		V/CA/TC
QS-4628	EB	1.812	1.625	2TC	1.875	0.500		B/CA/CE
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

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-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-20001	G	1.811	1.062	1	1.875	0.437		V/CA/SC
QS-22177	G	1.811	1.062	1	1.875	0.437		B/CA/SC
QS-815	J	1.960	1.187	1C	2.000	0.375		B/CA/CE
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-1209X	K	1.937	1.750	3C	2.000	0.437		B/CA/CE
QS-1209VX	K	1.937	1.750	3C	2.000	0.437		V/CA/CE
QS-1212VX	K	1.937	1.750	25C	1.875	0.437		B/CA/CE
QS-1251X	K	1.937	1.750	3SC	1.875	0.437		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
1.250 (1-1/4") (continued)								
QS-1299X	K	1.937	1.750	1SC	1.875	0.437		B/CA/SC
QS-1299VX	K	1.937	1.750	1SC	1.875	0.437		V/CA/SC
QS-31254X	K	1.937	1.750	1SC	1.875	0.437		B/CA/SC
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-12045	R	2.000	1.875	1C	1.875	0.437		E/CA/CE
QS-12046	R	2.000	1.875	1C	1.875	0.437		V/CA/CE
QS-12047	R	2.000	1.875	1SS	1.875	0.437		B/CA/SS
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
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-12048	T	1.812	2.375	1C	1.875	0.437		E/CA/CE
QS-12049	T	1.812	2.375	1C	1.875	0.437		V/CA/CE
QS-12050	T	1.812	2.375	1SS	1.875	0.437		B/CA/SS
QS-22076	T	1.812	2.375	3TC	2.000	0.437		B/CA/TC

NOTE: ++ - SLOTTED SEAT
 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-394	U	1.812	1.625	3SS	1.875	0.437		B/CA/SS
QS-394V	U	1.812	1.625	3SS	1.875	0.437		V/CA/SS
QS-681	U	1.812	2.406	1C	1.875	0.437		B/CA/CE
QS-3973	U	1.812	1.625	2SS	1.875	0.437		B/CA/SS
QS-4385	U	1.812	1.625	2SS	1.875	0.500		B/CA/SS
QS-12051	U	1.812	1.625	1C	1.875	0.437		E/CA/CE
QS-12052	U	1.812	1.625	1C	1.875	0.437		V/CA/CE
QS-12053	U	1.812	1.625	1SS	1.875	0.437		B/CA/SS
QS-22173	U	1.812	1.625	3C	1.875	0.437		B/CA/CE
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-8147	T8-1T	1.687	1.062	3SC	1.875	0.437	316SS	V/SC/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-11034	C	1.937	1.062	1C	1.890	0.437		B/CA/CE
QS-11035	C	1.937	1.062	1C	1.890	0.437		V/CA/CE
QS-11036	C	1.937	1.062	1SS	1.890	0.437		B/CA/SS
QS-3150V	G	1.811	1.024	1SC	1.890	0.276	316SS	V/SC/SC

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.300 (33MM) SHAFT								
QS-11037	C	2.062	1.062	1C	2.000	0.437		B/CA/CE
QS-11038	C	2.062	1.062	1C	2.000	0.437		V/CA/CE
QS-11039	C	2.062	1.062	1SS	2.000	0.437		B/CA/SS
QS-1430U	MG1	---	---	G60	---	---		V/CA/SC
QS-1430L	MG1	---	---	G60	---	---		V/SC/SC
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-11040	C	2.062	1.062	1C	2.000	0.437		B/CA/CE
QS-11041	C	2.062	1.062	1C	2.000	0.437		V/CA/CE
QS-11042	C	2.062	1.062	1SS	2.000	0.437		B/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

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-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
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-547 TC-TC	C	2.062	1.125	3TC	2.000	0.437		
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

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-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-3318	C	2.062	1.125	3SC	2.000	0.437		AF/SC/SC
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
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.375 (1-3/8") (continued)								
QSM-2976V	C-DBL	2.062	1.625	G60	58MM	---		V/SC/SC V/CA/CE
QS-1314X	C	1.937	1.125	1C	2.375	0.437		B/CA/CE
QS-1332VX	C	1.937	1.125	3C	2.125	0.437		V/CA/CE
QS-1357X	C	2.062	1.125	25SC	2.187	0.437		B/CA/SC
QS-11377X	C	2.062	1.125	3C	1.875	0.437		B/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	D	2.187	1.125	---	---	---		E/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	17C	2.000	0.500		B/CA/CE
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

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-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-22023	D	2.187	1.125	3SC	2.000	0.437		E/CA/SC
QS-22136	D	2.187	1.125	3SC	2.000	0.437		B/CA/SC
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-22220	DB	2.250	1.437	3SC	1.875	0.437		B/CA/SC
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
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

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-865-CASC	E	1.875	1.687	3SC	2.000	0.437		B/CA/SC
QS-865V-SCSC	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-4087V	E	1.875	2.031	---	---	---		V/CA/---
QS-4119AN	E	1.875	2.375	52	---	PLT		N/CA/---
QS-4163	E	1.875	2.031	---	---	---	316SS	E/CA/---
QS-4163E	E	1.875	2.031	---	---	---		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-4552	E	1.875	1.687	1TC	2.000	0.437		B/TC/TC
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/---
QS-3732	EB	1.875	2.000	3C	1.875	0.437		E/CA/CE

NOTE: PLT - PLATE SEAT
LC - LOCK COLLAR
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.375 (1-3/8") (continued)								
QS-3769V	EB	1.875	2.000	3TC	1.875	0.437		V/CA/TC
QS-3799E	EB	1.875	2.000	3TC	1.875	0.437		E/CA/TC
QS-3954	EB	1.875	2.000	1SS	1.875	0.437		B/CA/SS
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-4145	EB	1.875	2.000	3TC	1.875	0.437		B/CA/TC
QS-4170	EB	1.875	2.000	3SS	1.875	0.437	++	B/CA/SS
QS-4420V	EB	1.875	2.000	3SS	1.875	0.437		V/CA/SS
QS-7702	EB	1.875	2.000	3C	1.875	0.437		B/CA/CE
QS-12054	EB	1.875	2.000	1C	1.875	0.437		B/CA/CE
QS-12055	EB	1.875	2.000	1C	1.875	0.437		E/CA/CE
QS-12056	EB	1.875	2.000	1C	1.875	0.437		V/CA/CE
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-22179	G	1.929	1.025	1C	2.000	0.437		V/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/SS
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-22102	K	2.062	1.625	3SC	2.000	0.437		E/CA/SC

NOTE: ++ - 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-1309X	K	2.062	1.625	1SC	2.000	0.437		B/CA/SC
QS-2924V	43-DBL	2.062	1.625	G60	---	---		V/SC/SC V/CA/CE
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-12057	R	2.187	2.187	1C	2.000	0.437		E/CA/CE
QS-12058	R	2.187	2.187	1C	2.000	0.437		V/CA/CE
QS-12059	R	2.187	2.187	1SS	2.000	0.437		B/CA/SS
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

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-12060	U	1.875	2.125	1C	2.000	0.437		B/CA/CE
QS-12061	U	1.875	2.125	1C	2.000	0.437		E/CA/CE
QS-12062	U	1.875	2.125	1C	2.000	0.437		V/CA/CE
QS-12063	U	1.875	2.125	1SS	2.000	0.437		B/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
QS-9706	T9T	1.937	1.062	3SS	2.000	0.437	316SS	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
QS-4134	T8-1 Special	3.500	0.701	Special	1.875	0.312	316SS	B/CA/SS
QS-8135	T8-1T	1.937	1.062	3C	2.000	0.437	316SS	E/CA/CE
QS-8135 SCSC	T8-1T	1.937	1.062	3SC	2.000	0.437	316SS	V/SC/SC
QS-8048	T8-1T	1.937	1.062	3C	2.125	0.437	316SS	V/CA/CE
1.406 SHAFT								
QS-4685AN	C	2.062	1.187	---	---	---		N/CA/---
QS-11043	C	2.125	1.125	1C	2.125	0.437		B/CA/CE
QS-11044	C	2.125	1.125	1C	2.125	0.437		V/CA/CE
QS-11045	C	2.125	1.125	1SS	2.125	0.437		B/CA/SS
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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.437 (1-7/16") (continued)								
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-11046	C	2.125	1.125	1C	2.187	0.437		B/CA/CE
QS-11047	C	2.125	1.125	1C	2.125	0.437		V/CA/CE
QS-11048	C	2.125	1.125	1SS	2.125	0.437		B/CA/CE
QS-1647X	C	2.125	1.125	25C	2.375	0.500		B/CA/CE
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
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-22151	E	1.937	1.688	3SS	2.310			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-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-1422X	K	2.125	1.750	3C	2.125	0.437		B/CA/CE
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	2.062	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
QS-8079	T8B5	2.125	1.500	3	1.937	0.437	316SS	Special
QS-8148	T8-1T	1.937	1.125	3SC	2.125	0.437	316SS	V/SC/SC
1.475 SHAFT								
QS-11049	C	2.187	1.125	1C	2.125	0.437		B/CA/CE
QS-11050	C	2.187	1.125	1C	2.125	0.437		V/CA/CE
QS-11051	C	2.187	1.125	1SS	2.125	0.437		B/CA/SS
QS-5205AN	D	2.312	2.375	---	---	---		N/CA/---

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.490 SHAFT								
QS-2820AN	C	2.187	3.000	2BR	2.250	0.437		N/CA/BR
QS-11052	C	2.187	1.125	1C	2.125	0.437		B/CA/CE
QS-11053	C	2.187	1.125	1C	2.125	0.437		V/CA/CE
QS-11054	C	2.187	1.125	1SS	2.125	0.437		B/CA/SS
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
QS-758V-CASC	C	2.187	1.125	1SC	2.125	0.437		V/CA/SC

NOTE: HC - HARD CARBON
* - TAPERED SPRING

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.500 (1-1/2") (continued)								
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-2755E-HC	C	2.187	1.125	---	---	---	HC	E/CA/---
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

NOTE:

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.500 (1-1/2") (continued)								
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
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-3279	C	2.187	1.125	3TC	2.125	0.437		B/CA/TC
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

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-9918AN	C	2.187	2.000	---	---	---		N/CA/---
QS-10043V	C	2.187	1.125	---	---	---		V/CA/---
QS-14122AN	C	2.187	1.687	52	---	PLT		N/CA/PLT
QS-22053	C	2.187	1.125	3SC	2.125	0.437		V/CA/SC
QS-22180	C	2.187	1.125	5SC	2.125	0.437		B/CA/SC
QS-22210	C	2.187	1.125	3SC	2.125	0.437		E/CA/SC
QS-1531X	C	2.187	1.687	---	---	---		B/CA/---
QS-11509X	C	2.187	1.125	1SC	2.156	0.437		B/CA/SC
QS-3880	CB	2.187	1.437	3C	2.000	0.437		B/CA/CE
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	2.125	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	2.125	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	2.125	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-3136	D	2.312	1.093	2SS	2.125	0.500		B/CA/SS
QS-3284	D	2.375	1.125	1SC	2.125	0.437		B/CA/SC
QS-3323	D	2.375	1.125	3SC	2.125	0.437		AF/SC/SC
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

NOTE: HC - HARD CARBON
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-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-7080	D	2.375	1.125	28SC	2.375	0.618		V/SC/SC
QS-7094	D	2.375	1.125	28SC	2.375	0.618		V/SC/SC
QS-7095	D	2.375	1.125	28TC	2.375	0.618		V/TC/TC
QS-7101	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-12068	D	2.312	1.125	1C	2.125	0.437		V/CA/CE
QS-22004	D	2.312	1.125	3TC	2.125	0.437		E/SC/TC
QS-22005	D	2.312	1.125	1SC	2.125	0.437		E/SC/SC
QS-22019	D	2.312	1.125	3SC	2.125	0.437		E/CA/SC
QS-22022	D	2.312	1.125	3SC	2.125	0.437		V/SC/SC
QS-22132	D	2.312	1.125	3C	2.125	0.437		V/CA/CE
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
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

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-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-1500E-SS	E	2.000	1.688	3SS	2.375	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
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

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-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-22139	E	2.000	1.688	3SC	2.125	0.437		V/CA/SC
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-12064	EB	2.000	2.000	1C	2.000	0.437		B/CA/CE
QS-12065	EB	2.000	2.000	1C	2.000	0.437		E/CA/CE
QS-12066	EB	2.000	2.000	1C	2.000	0.437		V/CA/CE
QS-12067	EB	2.000	2.000	1SS	2.000	0.437		B/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
1.500 (1-1/2") (continued)								
QS-2812	G	2.125	1.181	1SC	2.125	0.437		B/CA/SC
QS-3992V	G	2.125	1.181	1C	2.125	0.437		V/CA/CE
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

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-432	R	2.312	1.875	1SS	2.125	0.437		B/CA/SS
QS-12069	R	2.312	1.875	1C	2.125	0.437		E/CA/CE
QS-12070	R	2.312	1.875	1SS	2.125	0.437		V/CA/SS
QS-1500G	S	---	---	8SS	SP	---		N/BR/SS
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-12071	T	2.000	2.437	1C	2.125	0.437		E/CA/CE
QS-12072	T	2.000	2.437	1C	2.125	0.437		V/CA/CE
QS-12073	T	2.000	2.437	1SS	2.125	0.437		B/CA/SS
QS-915	U	2.000	2.062	3C	2.000	0.437		B/CA/CE
QS-12074	U	2.000	2.062	1C	2.125	0.437		B/CA/CE
QS-12075	U	2.000	2.062	1C	2.125	0.437		V/CA/CE
QS-12076	U	2.000	2.062	1SS	2.125	0.437		B/CA/SS
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 DbI.	1.942	2.250	3C	2.375	0.437	316SS	CA/CE
QS-8600E	T8-1	2.125	1.125	5TC	2.133	0.437	316SS	E/CA/TC
QS-8810	T8-1	2.125	1.125	3SS	2.125	0.437	316SS	V/CA/SS
QS-8002	T8-1 Special	2.312	0.937	3C	2.125	0.437		B/CA/CE
QS-8141	T8B1	2.125	1.125	3SS	2.125	0.437	316SS	V/CA/SS
QS-8807	T8B1	2.125	1.125	3SC	2.125	0.437	316SS	V/TC/SC
QS-8149	T8-1T	1.937	1.125	3SC	2.125	0.437	316SS	V/SC/SC
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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
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-11055	C	2.187	1.125	1C	2.125	0.437		B/CA/CE
QS-11056	C	2.187	1.125	1C	2.125	0.437		V/CA/CE
QS-11057	C	2.187	1.125	1SS	2.125	0.437		B/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-11058	C	2.187	1.125	1C	2.375	0.468		B/CA/CE
QS-11059	C	2.187	1.125	1C	2.375	0.468		V/CA/CE
QS-11060	C	2.187	1.125	1SS	2.375	0.468		B/CA/SS
QS-22123AN	C	2.187	2.375	52	---	PLT		N/CA/PLT
QS-664 LC	E	2.250	2.000	3C	2.375	0.500	LC	B/CA/CE
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
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
QS-11061	C	2.187	1.375	1C	2.375	0.468		V/CA/CE
QS-11062	C	2.187	1.375	1SS	2.375	0.468		B/CA/SS

NOTE: PLT - PLATE SEAT
LC - LOCK COLLAR

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.575 (40MM) (continued)								
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
QS-11063	C	2.500	1.375	1C	2.375	0.468		B/CA/CE
QS-11064	C	2.500	1.375	1C	2.375	0.468		V/CA/CE
QS-11065	C	2.500	1.375	1SS	2.375	0.468		B/CA/SS
1.601 SHAFT								
QS-11066	C	2.500	1.375	1C	2.375	0.500		B/CA/CE
QS-11067	C	2.500	1.375	1C	2.375	0.500		V/CA/CE
QS-11068	C	2.500	1.375	1SS	2.375	0.500		B/CA/SS
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

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-CASC	C	2.500	1.375	1SC	2.375	0.500		V/CA/SC
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-2762	C	2.500	1.375	1SC	2.375	0.500		V/CA/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

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-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
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-1611X	C	2.500	1.375	3C	2.375	0.500	316SS	B/CA/CE
QS-1611VX	C	2.500	1.375	3C	2.375	0.500	316SS	V/CA/CE
QS-1624X	C	2.500	1.375	1C	2.500	0.500		B/CA/CE

NOTE: PLT - PLATE SEAT
 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-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
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

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-22226	D	2.718	1.375	3C	2.375	0.500		E/CA/SC
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
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

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-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-6351	E	2.250	2.000	3SS	2.375	0.500		N/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-22078	E	2.250	2.000	3SS	2.375	0.500		B/CA/SS
QS-22079	E	2.250	2.000	3SC	2.375	0.500		V/CA/SC
QS-22082	E	2.250	2.000	3C	2.375	0.500		B/CA/CE
QS-22083	E	2.250	2.000	3TC	2.375	0.500		V/CA/TC
QS-4159	EB	2.250	2.375	3C	2.125	0.437		V/CA/CE
QS-4160	EB	2.250	2.375	---	---	---		B/CA/---
QS-4160 V TC	EB	2.250	2.375	---	---	---		V/TC/---
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-12077	EB	2.250	2.375	1C	2.250	0.500		B/CA/CE
QS-12078	EB	2.250	2.375	1C	2.250	0.500		E/CA/CE
QS-12079	EB	2.250	2.375	1C	2.250	0.500		V/CA/CE
QS-12080	EB	2.250	2.375	1SS	2.250	0.500		B/CA/SS
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
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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.625 (1-5/8") (continued)								
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-12081	R	2.718	2.125	1C	2.375	0.500		B/CA/CE
QS-12082	R	2.718	2.125	1C	2.375	0.500		E/CA/CE
QS-12083	R	2.718	2.125	1C	2.375	0.500		V/CA/CE
QS-12084	R	2.718	2.125	1SS	2.375	0.500		B/CA/SS
QS-22080	R	2.718	2.125	3	2.375	0.500		V/CA/SC
QS-22081	R	2.718	2.125	3	2.375	0.500		V/CA/TC
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-12085	T	2.250	2.625	1C	2.375	0.500		B/CA/CE
QS-12086	T	2.250	2.625	1C	2.375	0.500		E/CA/CE
QS-12087	T	2.250	2.625	1C	2.375	0.500		V/CA/CE
QS-12088	T	2.250	2.625	1SS	2.375	0.500		B/CA/SS
QS-458	U	2.250	2.875	1C	2.375	0.500		B/CA/CE
QS-12089	U	2.250	2.625	1C	2.375	0.500		E/CA/CE
QS-12090	U	2.250	2.625	1C	2.375	0.500		V/CA/CE
QS-12091	U	2.250	2.625	1SS	2.375	0.500		B/CA/SS
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-22183	8B	2.500	1.750	3TC	2.375	0.437		V/CA/TC
QS-22184	8B	2.500	1.750	SP	2.406			

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.625 (1-5/8") (continued)								
QS-22187	8B	2.500	1.750	3TC	2.375	0.437		V/CA/TC
QS-22188	8B	2.500	1.750	SP	2.406			
QS-22189	8B	2.500	1.750	SP	2.406			
QS-22191	8B	2.500	1.750	SP	2.406			
QS-22192	8B	2.500	1.750	3TC	2.375	0.437		V/CA/TC
QS-6008	T8 Special	2.718	1.375	25SS Special	2.410	0.406		B/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-975002334	T8B2	2.375	1.750	27SC	2.875	0.500		V/CA/SC
1.653 (42MM) SHAFT								
QS-3082AV	C	2.500	1.375	3SS	2.375	0.500		V/CA/SS
QS-11069	C	2.500	1.375	1C	2.375	0.500		B/CA/CE
QS-11070	C	2.500	1.375	1C	2.375	0.500		V/CA/CE
QS-11071	C	2.500	1.375	1SS	2.375	0.500		B/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
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/---

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.692 (43MM) SHAFT								
QS-4654V	C	2.315	1.338	2C	2.400	0.434		V/CA/CE
QS-5654V	C	2.315	1.338	2SS	2.400	0.434	316SS	V/CA/SS
QS-11072	C	2.500	1.375	1C	2.375	0.500		B/CA/CE
QS-11073	C	2.500	1.375	1C	2.375	0.500		V/CA/CE
QS-11074	C	2.500	1.375	1SS	2.375	0.500		B/CA/SS
QS-2815	G	2.322	1.456	1C	2.400	0.315		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-434 OEM	C	2.625	1.375	17SS/CE	2.625	0.812		B/CA/SS-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
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

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-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
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/---

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-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	5I	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	5I	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
QS-3719	C	2.625	1.125	3TC	2.500	0.500		B/SC/TC

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-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-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-22084	C	2.625	1.375	3SC	2.500	0.500		E/SC/SC
QS-22085	C	2.625	1.375	3TC	2.500	0.500		B/TC/TC
QS-22086	C	2.625	1.375	3TC	2.500	0.500		E/TC/TC
QS-22106	C	2.625	1.375	1TC	2.500	0.500		B/CA/TC
QS-22213	C	2.625	1.375	1SC	2.500	0.500		E/SC/SC
QS-387BZFZX	C	2.625	1.375	3	2.625	0.500		B/TC/TC
QS-1770NX	C	2.625	1.375	1C	2.625	0.500		B/CA/SC
QS-1799NX	C	2.625	1.375	1SC	2.625	0.500		B/SC/SC
QS-11770X	C	2.625	1.375	1C	2.625	0.500		B/CA/CE
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

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-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
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-7102	D	2.750	1.375	28TC				V/TC/TC
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-22006	D	2.750	1.375	1SC	2.500	0.500		E/SC/TC
QS-22018	D	2.750	1.375	3	2.500	0.500		E/SC/SC

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.750 (1-3/4") (continued)								
QS-22024	D	2.750	1.375	3	2.500	0.500		E/CA/CE
QS-22122	D	2.750	1.375	3TC	2.500	0.500		E/SC/SC
QS-22137	D	2.750	1.375	3SC	2.500	0.500		V/CA/SC
QS-22202	D	2.750	1.375	3SC	2.500	0.500		E/CA/SC
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
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

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-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
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

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-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-4618	E	2.375	2.000	27C	2.500	0.500		B/CA/CE
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
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-22130	E	2.375	2.000	3SC	2.500	0.500		V/SC/SC
QS-22218	E	2.375	2.000	3SC	2.500	0.500		E/SC/SC

NOTE: HC - HARD CARBON
 LC - LOCK COLLAR

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.750 (1-3/4") (continued)								
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-12092	EB	2.375	2.375	1C	2.375	0.500		E/CA/CE
QS-12093	EB	2.375	2.375	1C	2.375	0.500		V/CA/CE
QS-12094	EB	2.375	2.375	1SS	2.375	0.500		B/CA/SS
QS-22217	EB	2.375	2.375	3	2.375	0.500		B/SC/SC
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-3283	G	2.402	1.181	3SC	2.500	0.500		B/CA/SC
QS-4216	G	2.402	1.181	1TC	2.500	0.500		B/SC/TC
QS-22175	G	2.402	1.181	1C	2.500	0.500		B/CA/CE
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
QS-6246	K	2.609	2.125	1C	2.500	0.500		B/CA/CE
QS-1795X	K	2.625	2.125	3C	2.500	0.500		B/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-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-12095	R	2.750	2.125	1C	2.500	0.500		B/CA/CE
QS-12096	R	2.750	2.125	1C	2.500	0.500		E/CA/CE
QS-12097	R	2.750	2.125	1C	2.500	0.500		V/CA/CE
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	2.750	2SS	2.573	0.437		N/CA/SS
QS-3111A	T	2.375	2.750	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	3C	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-12098	T	2.375	2.750	1C	2.500	0.500		E/CA/CE
QS-12099	T	2.375	2.750	1C	2.500	0.500		V/CA/CE
QS-13000	T	2.375	2.750	1SS	2.500	0.500		B/CA/SS

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-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
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-13001	U	2.375	2.000	1C	2.500	0.500		E/CA/CE
QS-13002	U	2.375	2.000	1C	2.500	0.500		V/CA/CE
QS-13003	U	2.375	2.000	1SS	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-9014	T9T	2.312	1.375	27C	2.500	0.562	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

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-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-8800	T81T	2.312	1.375	3SC	2.500	0.500	316SS	V/CA/SC
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/---
1.771 (45MM) SHAFT								
QS-11075	C	2.625	1.375	1C	2.500	0.500		B/CA/CE
QS-11076	C	2.625	1.375	1C	2.500	0.500		V/CA/CE
QS-11077	C	2.625	1.375	1SS	2.500	0.500		B/CA/SS
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-11078	C	2.625	1.375	1C	2.625	0.500		B/CA/CE
QS-11079	C	2.625	1.375	1C	2.625	0.500		V/CA/CE
QS-11080	C	2.625	1.375	1SS	2.625	0.500		B/CA/SS

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.812 (46MM) (continued)								
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
QS-11081	C	2.750	1.500	1C	2.625	0.500		B/CA/CE
QS-11082	C	2.750	1.500	1C	2.625	0.500		V/CA/CE
QS-11083	C	2.750	1.500	1SS	2.625	0.500		B/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
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

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.875 (1-7/8") (continued)								
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
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-7081	D	2.875	1.500	28TC				V/TC/TC
QS-7082	D	2.875	1.500	28SC				V/SC/SC

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-13004	D	2.875	1.500	1C	2.625	0.500		E/CA/CE
QS-13005	D	2.875	1.500	1C	2.625	0.500		V/CA/CE
QS-22133	D	2.875	1.500	3C	2.500	0.500		V/CA/CE
QS-22147	D	2.875	1.500	3TC	2.500	0.500		E/CA/TC
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-7862	E	2.500	2.125	3TC	2.625	0.500		V/TC/TC
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-22131	E	2.500	2.125	3SC	2.625	0.500		V/SC/SC
QS-1845VX	E	2.500	2.125	3C	2.687	0.500		V/CA/CE
QS-50089	E/SP	2.500	2.125	3TC	2.625	0.500		B/CA/TC

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.875 (1-7/8") (continued)								
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
QS-13006	EB	2.500	2.500	1C	2.500	0.500		B/CA/CE
QS-13007	EB	2.500	2.500	1C	2.500	0.500		E/CA/CE
QS-13008	EB	2.500	2.500	1C	2.500	0.500		V/CA/CE
QS-13009	EB	2.500	2.500	1SS	2.500	0.500		B/CA/SS
QS-22206	EB	2.500	2.500	1SC	2.500	0.500		B/CA/SC
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-1830VX	K	2.750	2.125	1SC	2.625	0.500		V/CA/CE/CA/SC
QS-1831X	K	2.750	2.125	1SC	2.625	0.500		E/CA/CE/CA/SC
QS-4787A-1	L	2.562	1.150	---	---	---		B/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

NOTE: ++ - 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-13010	R	2.875	2.125	1C	2.625	0.500		B/CA/CE
QS-13011	R	2.875	2.125	1C	2.625	0.500		E/CA/CE
QS-13012	R	2.875	2.125	1C	2.625	0.500		V/CA/CE
QS-13013	R	2.875	2.125	1SS	2.625	0.500		B/CA/SS
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
QS-13014	T	2.500	2.625	1C	2.625	0.500		E/CA/CE
QS-13015	T	2.500	2.625	1C	2.625	0.500		V/CA/CE
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-13016	U	2.500	2.437	1C	2.625	0.500		E/CA/CE
QS-13017	U	2.500	2.437	1C	2.625	0.500		V/CA/CE
QS-13018	U	2.500	2.437	1SS	2.625	0.500		B/CA/SS
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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.875 (1-7/8") (continued)								
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-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-22185	T Special 8.1	2.500	1.500	3TC	2.625	0.500	316SS	V/CA/TC
QS-22190	T Special 8.1	2.500	1.500	3TC	2.625	0.500	316SS	V/CA/TC
QS-8059E	T8B1T	2.510	1.750	3TC	2.375	0.500	316SS	E/CA/TC
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								
QS-11084	C	2.750	1.500	1C	2.625	0.500		B/CA/CE
QS-11085	C	2.750	1.500	1C	2.625	0.500		V/CA/CE
QS-11086	C	2.750	1.500	1SS	2.625	0.500		B/CA/SS
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-11087	C	2.750	1.500	1C	2.750	0.500		B/CA/CE
QS-11088	C	2.750	1.500	1C	2.750	0.500		V/CA/CE
QS-11089	C	2.750	1.500	1SS	2.750	0.500		B/CA/SS
QS-3385AN	L-1	2.562	1.875	---	---	---		N/CA/---

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.937 SHAFT (continued)								
QS-3375AN	L-2	2.562	1.250	---	---	---		N/CA/---
QS-3390AN	L-2	2.562	3.750	---	---	---		N/CA/---
1.969 (50MM) SHAFT								
QS-1090A	C	2.875	1.500					B/CA/---
QS-1091A	C	2.875	1.500	G60				B/CA/CE
QS-1092A	C	2.875	1.500	G60				E/CA/CE
QS-1093A	C	2.875	1.500	G60				V/CA/CE
QS-11083	C	2.875	1.500	1SC	72MM	0.500		B/CA/SC
QS-11090	C	2.875	1.500	1C	2.750	0.500		B/CA/CE
QS-11091	C	2.875	1.500	1C	2.750	0.500		V/CA/CE
QS-11092	C	2.875	1.500	1SS	2.750	0.500		B/CA/SS
QSM-2983V	C-DBL	2.875	2.125	G60	72MM	---		V/SC/SC V/CA/CE
QS-1070A	D	3.000	1.500	G60	72MM	---		B/CA/---
QS-1071A	D	3.000	1.500	G60	72MM	---		B/CA/CE
QS-1072A	D	3.000	1.500	G60	72MM	---		E/CA/CE
QS-1073A	D	3.000	1.500	G60	72MM	---		V/CA/CE
QS-10170A	D	3.000	1.500	G60	72MM	---		
QS-1074A	E	2.625	2.125	G60	72MM	---		B/CA/---
QS-1075A	E	2.625	2.125	G60	72MM	---		B/CA/CE
QS-1076A	E	2.625	2.125	G60	72MM	---		E/CA/CE
QS-1077A	E	2.625	2.125	G60	72MM	---		V/CA/CE
QS-1094A	K	2.875	1.500		---	---		B/CA/---
QS-1095A	K	2.875	1.500	G60	---	---		B/CA/CE
QS-1096A	K	2.875	1.500	G60	---	---		E/CA/CE
QS-1097A	K	2.875	1.500	G60	---	---		V/CA/CE
QS-1969	K	2.875	2.125	G60	---	---		V/SC/SC
QS-1078A	R	3.000	2.125	G60	72MM	---		B/CA/---
QS-1079A	R	3.000	2.125	G60	72MM	---		B/CA/CE
QS-1080A	R	3.000	2.125	G60	72MM	---		E/CA/CE

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
1.969 (50MM) (continued)								
QS-1081A	R	3.000	2.125	G60	72MM	---		V/CA/CE
QS-1082A	T	2.625	2.500	G60	72MM	---		B/CA/---
QS-1083A	T	2.625	2.500	G60	72MM	---		B/CA/CE
QS-1084A	T	2.625	2.500	G60	72MM	---		E/CA/CE
QS-1085A	T	2.625	2.500	G60	72MM	---		V/CA/CE
QS-1086A	U	2.625	2.500	G60	72MM	---		B/CA/---
QS-1087A	U	2.625	2.500	G60	72MM	---		B/CA/CE
QS-1088A	U	2.625	2.500	G60	72MM	---		E/CA/CE
QS-1089A	U	2.625	2.500	G60	72MM	---		V/CA/CE
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.000 (2") (continued)								
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
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-3292	C	2.875	1.500	5TC	2.750	0.500		E/CA/TC
QS-3293	C	2.875	1.500	5SC	2.750	0.500		E/SC/SC
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

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-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
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-2056X	C	2.875	1.500	3SC	2.750	0.500		B/CA/SC
QS-32071X	C	2.875	1.500	---	---	---		B/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
2.000 (2") (continued)								
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-13019	D	3.000	1.500	1C	2.750	0.500		E/CA/CE
QS-13020	D	3.000	1.500	1C	2.750	0.500		V/CA/CE
QS-22134	D	3.000	1.500	3C	2.750	0.500		V/CA/CE
QS-319	E	2.625	2.125	1C	2.687	0.500		B/CA/CE
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-462V-TC-SC	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

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-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	5TC	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
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

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-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-22087	E	2.625	2.125	3SC	2.750	0.500		E/SC/SC
QS-22174	E	2.625	2.125	3	2.750	0.500		V/SC/SC
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-13021	EB	2.625	2.500	1C	2.750	0.500		E/CA/CE
QS-13022	EB	2.625	2.500	1C	2.750	0.500		V/CA/CE
QS-13023	EB	2.625	2.500	1SS	2.750	0.500		B/CA/SS
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

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-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
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-2063X	K	2.875	2.125	1SC	2.750	0.500		B/CA/SC
QS-12092X	K	2.875	2.125	3SC	2.750	0.500		B/CA/SC
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-13024	R	3.000	2.125	1C	2.750	0.500		E/CA/CE
QS-13025	R	3.000	2.125	1C	2.750	0.500		V/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	2.625	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/CA/TC
QS-13026	T	2.625	2.500	1C	2.750	0.500		B/CA/CE
QS-13027	T	2.625	2.500	1C	2.750	0.500		E/CA/CE
QS-13028	T	2.625	2.500	1C	2.750	0.500		V/CA/CE
QS-13029	T	2.625	2.500	1SS	2.750	0.500		B/CA/SS
QS-385	U	2.625	2.500	3SS	2.750	0.500	++	B/CA/SS

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.000 (2") (continued)								
QS-385A	U	2.625	2.000	3SS	2.750	0.500	++	B/CA/SS
QS-385AV	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
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-13030	U	2.625	2.218	1C	2.750	0.500		B/CA/CE
QS-13031	U	2.625	2.218	1C	2.750	0.500		E/CA/CE
QS-13032	U	2.625	2.218	1C	2.750	0.500		V/CA/CE
QS-13033	U	2.625	2.218	1SS	2.750	0.500		B/CA/SS
QS-9029	T9	2.750	1.750	27C	2.500	0.500	316SS	V/CA/CE
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-22063	T9B	2.750	1.750	3	2.468		316SS	
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.000 (2") (continued)								
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-3997A	SP			SP	3.000/3.250			
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
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-2120A	C	3.000	1.687	---	---	---		B/CA/---
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

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-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-12104X	C	3.000	1.687	1SC	3.000	0.562		B/CA/SC
QS-1686	D	3.250	1.687	1C	3.000	0.562		B/CA/CE
QS-1686VZFZ	D	3.250	1.687	1TC	3.000	0.562		V/TC/TC
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
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

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-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-3502-2125	E	2.812	2.375	---	---	---		B/CA/---
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-5370V	E	2.812	2.375	1SC	3.125	0.562	LC	V/CA/SC
QS-6912	E	2.812	2.125	3C	2.875	0.562	++	B/CA/CE
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-9964A	E	2.812	1.750	3C	2.875	0.562		B/CA/CE
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.125 (2-1/8") (continued)								
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
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.125 (2-1/8") (continued)								
QS-9122	T9	3.000	1.687	2C	3.000	0.562	316SS	CA/CE
QS-8132	T8-1 DOUBLE	2.812	2.625	3C	2.875	0.312	++316SS	V/CA/CE- 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-8562	T81T	2.812	1.687	3C	2.875	0.562	++316SS	V/CA/CE
QS-8702	T81T Special	2.812	2.625	3C	2.875	0.312	++316SS	V/CA/CE
QS-22156	T8-1T DOUBLE	2.812	2.625	3	2.875	0.562	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
QS-11093	C	3.000	1.687	1C	3.000	0.562		B/CA/CE
QS-11094	C	3.000	1.687	1C	3.000	0.562		V/CA/CE
QS-11095	C	3.000	1.687	1SS	3.000	0.562		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-11096	C	3.000	1.687	1C	3.000	0.562		B/CA/CE
QS-11097	C	3.000	1.687	1C	3.000	0.562		V/CA/CE
QS-11098	C	3.000	1.687	1SS	3.000	0.562		B/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	0.969	2SS	3.000	0.406		B/CA/SS
QS-5024V	D	3.468	0.969	2SS	3.000	0.406		V/CA/SS
QS-5719	D	3.468	0.969	2SS	3.000	0.406		E/CA/SS

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
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
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-E	C	3.125	1.688	3SS	3.125	0.562		E/CA/SS
QS-1676-HC	C	3.125	1.688	3SS	3.125	0.562	HC	B/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-3289	C	3.125	1.688	3SC	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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.250 (2-1/4") (continued)								
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/---
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-7138V	C	3.125	1.187	1TC	3.125	0.562		V/TC/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-2213X	C	3.125	1.688	3SC	3.125	0.562		B/CA/SC
QS-2228X	C	3.125	1.688	3SC	3.125	0.562		V/CA/SC
QS-2237X	C	3.125	1.688	3TC				B/CA/TC
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-942 SC SC	D	3.375	1.688	3SC	3.125	0.562	++	B/SC/SC
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

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.250 (2-1/4") (continued)								
QS-5358	D	3.468	1.688	3C	3.125	0.562		B/CA/CE/ Special
QS-22021	D	3.375	1.688	3CE	3.125	0.562		E/CA/CE
QS-22047	D	3.375	1.688	3CE	3.125	0.562		B/CA/CE
QS-22048	D	3.375	1.688	3CE	3.125	0.562		V/CA/CE
QS-22148	D	3.375	1.688	3	3.125	0.562		E/CA/SC
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
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-22215	E	2.938	2.375	3SC	3.125	0.562		B/SC/SC
QS-22222	E	2.938	2.375	1SC	3.125	0.562		E/CA/SC
QS-2658	EB	2.938	2.750	3SC	3.000	0.562		B/CA/SC
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

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.250 (2-1/4") (continued)								
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-22216	EB	2.938	2.750	3SC	3.000			E/CA/SC
QS-22219	EB	2.938	2.750	3SC	3.000			V/CA/SC
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-2236X	K	3.125	1.875	3	3.125	0.562		B/CA/SC
QS-32235X	K	3.125	1.875	---	---	---		B/CA/---
QS-32239X	K	3.125	1.875	3C	3.375	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
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.312 SHAFT								
QS-3590AN	C	3.125	1.688	---	---	---		N/CA/---
QS-11099	C	3.125	1.688	1C	3.125	0.562		B/CA/CE
QS-12001	C	3.125	1.688	1C	3.125	0.562		V/CA/CE
QS-12002	C	3.125	1.688	1SS	3.125	0.562		B/CA/SS
2.362 (60MM) SHAFT								
QS-12003	C	3.219	1.813	1C	3.250	0.562		B/CA/CE
QS-12004	C	3.219	1.813	1C	3.250	0.562		V/CA/CE
QS-12005	C	3.219	1.813	1SS	3.250	0.562		B/CA/SS
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
 ++ - SLOTTED SEAT
 PLT - PLATE 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-22051	C	3.219	1.813	1C	3.250	0.562		E/CA/CE
QS-22211	C	3.219	1.813	3SC	3.250	0.562		E/CA/SC
QS-594	D	3.500	1.812	3SS	3.250	0.562	++	B/CA/SS
QS-594-HC	D	3.500	1.812	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	1.812	3C	3.250	0.562	HC/++	B/CA/CE
QS-834-CATC	D	3.500	1.812	3TC	3.250	0.562	++	B/CA/TC
QS-834E-TC	D	3.500	1.812	3TC	3.250	0.562		E/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-23211	E	3.062	2.500					
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

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-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
QS-22201	EB	3.062	2.875	1SC	3.125	0.562		B/CA/SC
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
QS-22065	T8B1	3.250	2.125	3	2.875	0.562	++316SS	V/CA/TC
2.406 (61MM) SHAFT								
QS-12006	C	3.219	1.813	1C	3.312	0.562		B/CA/CE
QS-12007	C	3.219	1.813	1C	3.312	0.562		V/CA/CE
QS-12008	C	3.219	1.813	1SS	3.312	0.562		B/CA/SS
QS-4854	K	3.219	2.125	3SS	3.312	0.500		B/CA/SS
QS-22066	K	3.219	2.125	3C	3.305	0.500		B/CA/CE
2.437 (2-7/16") SHAFT								
QS-3625A	C	3.219	1.500	3SS	3.437	0.562		B/CA/SS

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.437 (2-7/16") (continued)								
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-12009	C	3.219	1.813	1C	3.375	0.562		B/CA/CE
QS-12010	C	3.219	1.813	1C	3.375	0.562		V/CA/CE
QS-12011	C	3.219	1.813	1SS	3.375	0.562		B/CA/SS
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
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	51	4.500	PLT		N/CA/PLT
QS-3645AN	C	3.344	3.000	51	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

NOTE: ++ - SLOTTED SEAT
 PLT - PLATE SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.500 (2-1/2") (continued)								
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-22043	C	3.344	1.813	1SC	3.375	0.562		B/CA/SC
QS-2512EX	C	3.244	1.813	1	3.375	0.562		E/CA/SC
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
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-22002	D	3.625	1.813	3TC	3.250	0.562		V/TC/TC
QS-22040	D	3.625	1.813	3SC	3.375	0.562		V/SC/SC
QS-22051	D	3.625	1.813	3SC	3.375	0.562		V/CA/SC
QS-22090	D	3.625	1.813	3SC	3.375	0.562		B/CA/SC
QS-22094	D	3.625	1.813	3TC	3.375	0.562		B/CA/TC
QS-22166	D	3.625	1.813	3	3.375	0.562		E/CA/CE
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

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.500 (2-1/2") (continued)								
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-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
QS-22067	E	3.187	2.500	3SC	3.375	0.562		B/CA/SC
QS-916	EB	3.187	2.625	3TC	3.250	0.562		B/CA/TC
QS-2763	EB	3.187	2.625	3TC	3.250	0.562		V/CA/TC
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

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT
PLT - PLATE 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-4801	G	3.268	1.811	3SC	3.375	0.562		B/CA/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-12532X	K	3.344	2.125	3SC	3.375	0.562		B/CA/SC
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

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-8044AV	U	3.187	0.800	7SS	M.O.S.	0.312		V/CA/SS
QS-9725	U	3.187	2.500	3C	3.375	0.562		B/CA/CE
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-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
QS-8108	T81T	3.125	1.375	3 Special SS	3.375	0.562	316SS	V/CA/SS
65MM SHAFT								
QS-11173	C	3.469	2.732	1C	85MM	0.562		B/CA/SC
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-2610X	C	3.469	2.732	3C	3.500	0.625		B/CA/CE
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-328BB	E	3.375	2.750	3SC	3.625	0.625		B/CA/SC

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.625 (2-5/8") (continued)								
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
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
QS-12012	C	3.469	1.937	1C	3.500	0.562		B/CA/CE
QS-12013	C	3.469	1.937	1C	3.500	0.562		V/CA/CE
QS-12014	C	3.469	1.937	1SS	3.500	0.562		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	E/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

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-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
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-22167	C	3.750	1.937	3C	3.500	0.625		E/CA/CE
QS-2201X	C	3.750	1.937	2C	4.390	0.625		B/CA/CE
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

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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.750 (2-3/4") (continued)								
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-7083	D	4.000	1.937	28TC				V/TC/TC
QS-7084	D	4.000	1.937	28SC				V/SC/SC
QS-22046	D	4.000	1.937	3SC	3.500	0.625		B/CA/SC
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-838V	E	3.500	2.750	3C	3.500	0.625		V/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
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-22208	E	3.500	2.750	3SC	3.500	0.625		B/CA/SC
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-22069	K	3.750	1.875	3C	4.000	0.625		V/CA/CE

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-2218X	K	3.750	1.875	1C	3.500	0.625		B/CA/CE
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-2771	U	3.500	2.500	3SS	3.500	0.625		B/CA/SS
QS-9314	T9	3.625	1.687	2C	3.500	0.625	316SS	CA/CE
QS-22068	T9B	3.625	1.687	3SC	3.456	0.625	316SS	V/CA/SC
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-8102V	T8B1	3.625	2.062	3TC	3.375	0.562	316SS	V/CA/TC
QS-8136V	T8-1T	3.375	1.687	3C	3.500	0.625	316SS	V/CA/CE
2.756 (70MM) SHAFT								
QS-12015	C	3.750	1.937	1C	3.500	0.625		B/CA/CE
QS-12016	C	3.750	1.937	1C	3.500	0.625		V/CA/CE
QS-12017	C	3.750	1.937	1SS	3.500	0.625		B/CA/SS
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

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.875 (2-7/8") (continued)								
QS-4647	D	3.875	2.062	3SC	3.750	0.625		V/CA/SC
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
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-82875	T8B2	---	---	27C	---	---	++316SS/S	V/CA/CE
QS-82876	T8B2	---	---	27SC	---	---	++316SS/S	V/CA/SC
QS-8701V	T8-1T DOUBLE	3.500	2.250	3C	3.750	0.625	++316SS/S	V/TC/CE
QS-22070	T9B	3.750	1.750		4.248			
2.937 SHAFT								
QS-3760A	C	3.718	1.312	2SS	4.187	0.438		B/CA/SS
QS-12018	C	4.000	2.062	1C	3.875	0.625		B/CA/CE
QS-12019	C	4.000	2.062	1C	3.875	0.625		V/CA/CE
QS-12020	C	4.000	2.062	1SS	3.875	0.625		B/CA/SS
2.952 (75MM) SHAFT								
QS-12021	C	4.000	2.062	1C	3.875	0.625		B/CA/CE
QS-12022	C	4.000	2.062	1C	3.875	0.625		V/CA/CE

NOTE: HC - HARD CARBON
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
2.952 (75MM) (continued)								
QS-12023	C	4.000	2.062	1SS	3.875	0.625		B/CA/SS
QS-22037	G			25SC	97MM			V/CA/SC
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-1088TCTC	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-2116V	C	4.000	2.062	3C	3.875	0.625		V/CA/CE
QS-2116-SCSC	C	4.000	2.062	3SC	3.875	0.625		B/SC/SC
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

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-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	3TC	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-22214	C	4.000	2.375	1SC	3.875	0.625		B/CA/SC
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
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-22092	D	4.250	2.062	3	3.875	0.625		B/CA/CE

NOTE: PLT - PLATE SEAT
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
3.000 (3") (continued)								
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-4514	E	3.750	2.875	3SC	3.875	0.625		B/SC/SC
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-4646	G	3.898	2.062	3SC	3.875	0.625		V/SC/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
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

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-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-3035X	K	4.000	2.500	3C	3.875	0.625		B/CA/CE
QS-3036X	K	4.000	2.500	3C	3.875	0.625		V/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-22072	T9B	3.812	1.687	3	3.500	0.625	316SS	V/CA/SC
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

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-3790AV	C	4.000	3.375	2SS	4.250	0.625		V/CA/SS
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-12024	C	4.000	2.187	1C	4.000	0.625		B/CA/SS
QS-12025	C	4.000	2.187	1C	4.000	0.625		V/CA/CE
QS-12026	C	4.000	2.187	1SS	4.000	0.625		B/CA/SS
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

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
3.250 (3-1/4") (continued)								
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
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-22035	E	4.250	2.125	3C	4.125	0.781		V/CA/CE
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

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-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
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
QS-12027	C	4.250	2.187	1C	4.250	0.781		B/CA/CE
QS-12028	C	4.250	2.187	1C	4.250	0.781		V/CA/CE
QS-12029	C	4.250	2.187	1SS	4.250	0.781		B/CA/SS
3.375 (3-3/8") SHAFT								
QS-6177V	C	4.500	2.187	3SS	4.250	0.781	++	V/CA/SS
QS-12030	C	4.500	2.187	1C	4.250	0.781		B/CA/CE
QS-12031	C	4.500	2.187	1C	4.250	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
3.375 (3-3/8") (continued)								
QS-12032	C	4.500	2.187	1SS	4.250	0.781		B/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
QS-8806	T8B-1	4.250	1.687	5SC	4.250	0.781	316SS	V/CA/SC
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
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

NOTE: ++ - SLOTTED SEAT
 HC - HARD CARBON

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
3.500 (3-1/2") (continued)								
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-22073	T9B	4.375	1.687	3	4.000	0.781	316SS	
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
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

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
3.625 (3-5/8") (continued)								
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-22049	T	4.500	3.875	3C	4.781	0.781		V/CA/CE
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
QS-22074	T9B	4.500	1.750		4.996	0.781		
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/---
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

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-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-22036	E	4.625	3.250	3C	4.625	0.781		V/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-3314	D	5.250	2.250	3SS	5.125	0.781		V/CA/SS
QS-4341AN	D	5.250	2.250	3SS	5.125	0.781		N/CA/SS
QS-22000	D	5.250	2.250	3SC	4.750	0.781		B/CA/SC
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-2772	D	5.375	2.437	3TC	4.875	0.781		V/TC/TC
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-22223	E	5.312	3.375	3SC	4.875	0.781		B/CA/SC
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-22075	T9B	4.875	1.687		5.016	0.781	316SS	
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

NOTE: ++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
4.125 SHAFT								
QS-3870AN	C	5.375	2.750	---	---	---		N/CA/---
QS-8037	81BT		1.750	3C		0.781		V/CA/CE
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

NOTE: LC - LOCK COLLAR
++ - SLOTTED SEAT

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
4.750 (4-3/4") (continued)								
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
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-4613	V	6.125	4.968	3C	6.781	0.781		B/CA/CE
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-	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

Quantum Part Number	Type	O.D.	OP. Height	Type	C' Bore	Thick	NOTES	Material Code
5.500 (5-1/2") (continued)								
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
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