

U.S. SEAL MFG.

VALUE GUARD INCH



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DEMAND QUALITY . . .

DEMAND U.S. SEAL MFG.

INCH

SEAL HEAD			MATING RING			Material Code	NOTES	Value Guard Part No.
Fig.	OD	Oper Hgt.	Fig.	Bore	Thick			
.500 (1/2")								
AV	.928	.656	1	1.000	.312	BMFJF		VG-162
BV	1.125	.537	—	—	—	BMF-F		VG-150
BV	1.125	.537	1	1.000	.218	BMFJF		VG-142
BV	1.125	.537	1	1.000	.312	BMFJF		VG-163
HV	.898	.718	1	.938	.225	BCFJF		VG-392
HV	.898	.718	1	.938	.225	VCFJF		VG-392V
HV	.898	.812	1	1.000	.312	BCFJF		VG-1002
HV	.898	.812	1	1.000	.312	BCFKF		VG-106
HV	.898	.812	1	1.000	.312	VLFLF		VG-30750
HV	.937	.625	1	.938	.225	QLFLF		VG-3920
Special	.945	.812	1	1.000	.312	BLFLF		VG-3909
.625 (5/8")								
AV	1.200	.718	Special	—	—	BMFJ/MF	G	VG-2131
AV	1.200	.718	1	1.084	.175	BMFJF		VG-21084
AV	1.200	.718	1	1.187	.288	BMFJF		VG-702
AV	1.200	.718	1	1.187	.288	BMFKF		VG-701
AV	1.200	.718	1	1.187	.343	BMFJF		VG-100
AV	1.200	.718	1	1.187	.343	VCFJF		VG-100V-CMS
AV	1.200	.718	3	1.187	.343	VCFJF		VG-100V
AV	1.200	.718	1	1.250	.406	BCFJF		VG-516
AV	1.200	.718	1	1.250	.406	BMFJF		VG-200
AV	1.200	.718	1	1.250	.406	BMFJF		VG-300
AV	1.200	.718	1	1.250	.406	VCFJF		VG-200V-CMS
AV	1.200	.718	3	1.250	.406	VCFJF		VG-200V
AV	1.200	.718	1	1.375	.562	BMFJF		VG-528
AV	1.200	.718	3	1.437	.312	BMFJF		VG-2014
AV	1.200	.718	14	.815	.312	BMFKF		VG-293
AV	1.200	.812	1	1.250	.406	BMFJF		VG-501
AV	1.200	.812	3	1.250	.406	VCFJF		VG-501V
AV	1.200	.875	3	1.250	.406	BMFJF		VG-637
BV	1.437	.615	1	1.187	.288	BMFJF		VG-700
BV	1.437	.615	1	1.187	.343	BMFJF		VG-600
BV	1.437	.615	1	1.187	.343	VMFJF		VG-600V
BV	1.437	.615	1	1.250	.406	BCFJF		VG-961
BV	1.437	.615	1	1.250	.406	BMFJF		VG-1000
BV	1.437	.615	1	1.250	.406	VCFLF*	316SS	VG-9596
BV	1.437	.615	8	—	.215	BCFJF	A	VG-447
BV	1.437	.615	8	—	.215	VCFJF	A	VG-447V
BV	1.437	.615	11	—	.487	BMFJF	A	VG-411
BV	1.437	.615	11	—	.487	VMFJF	A	VG-411V
HTV	1.055	.875	1	1.250	.406	BCFJF	B	VG-508
HTV	1.055	.875	1	1.250	.406	BCFKF	B	VG-102
HV	1.055	.718	1	1.250	.406	BCFJF		VG-2160
HV	1.055	.844	1	1.187	.343	BCFJF		VG-118
HV	1.055	.844	1	1.250	.406	BCFJF		VG-290
HV	1.055	.844	1	1.250	.406	VCFJF		VG-290V
HV	1.055	.875	1	1.187	.288	BCFKF		VG-493
HV	1.055	.875	1	1.250	.406	BCFJF		VG-359
HV	1.055	.875	1	1.250	.406	BCFKF		VG-633
HV	1.055	.875	1	1.250	.406	VCFJF		VG-359V-CMS
HV	1.055	.875	3	1.250	.406	BCFJF		VG-552
HV	1.055	.875	3	1.250	.406	VCFJF		VG-359V
HV	1.055	.875	3	1.250	.406	VCFKF		VG-633V
HV	1.055	1.187	1	1.156	.312	BCFJF		VG-800
HV	1.055	1.312	1	1.250	.406	BCFJF		VG-274
HV	1.055	1.312	1	1.250	.406	BCFKF		VG-487
HV	1.062	.875	1	1.250	.406	VLFLF		VG-30760
HV	1.062	1.312	1	1.250	.406	VLFLF		VG-30810
Special	1.303	1.200	25	1.060	.406	QCFLF		VG-9661
Special	1.303	1.200	25	1.060	.406	QLFLF		VG-9622
Special	1.303	1.200	25	1.060	.406	VCFLF		VG-9660
Special	1.303	1.200	25	1.060	.406	VLFLF		VG-9662
.750 (3/4")								
AV	1.295	.718	1	1.375	.406	BMFJF		VG-201
AV	1.295	.718	1	1.375	.406	QMJFJ		VG-201E-CMS

NOTE: A. MOUNTS ON SHAFT
 B. TAPERED SPRING
 G. MOUNTS IN PLASTIC
 * GRAPHITE LOADED SILICON CARBIDE

INCH

SEAL HEAD			MATING RING			Material Code	NOTES	Value Guard Part No.
Fig.	OD	Oper Hgt.	Fig.	Bore	Thick			
.750 (3/4") (continued)								
AV	1.295	.718	1	1.375	.406	VCFJF		VG-201V-CMS
AV	1.295	.718	3	1.375	.406	VCFJF		VG-201V
AV	1.295	.718	1	1.437	.406	BMFJF		VG-101
BV	1.575	.615	1	1.375	.406	BMFJF		VG-601
BV	1.575	.615	3	1.375	.406	VCFJF		VG-601V
BV	1.575	.615	9	—	.281	BMFKF	A	VG-902
HTV	1.161	.843	1	1.375	.406	BCFJF	B	VG-128
HV	1.161	.718	1	1.375	.406	BCFJF		VG-877
HV	1.161	.718	1	1.375	.406	VCFJF		VG-877V-CMS
HV	1.161	.875	1	1.275	.281	BCFJF		VG-437
HV	1.161	.875	1	1.275	.281	VCFJF		VG-437V
HV	1.161	.875	1	1.375	.406	BCFJF		VG-358
HV	1.161	.875	1	1.375	.406	BCFKF		VG-112
HV	1.161	.875	1	1.375	.406	VCFJF		VG-358V-CMS
HV	1.161	.875	1	1.375	.406	VLFLF		VG-3018
HV	1.161	.875	1	1.375	.406	VLFLF		VG-30780
HV	1.161	.875	3	1.375	.406	VCFJF		VG-358V
HV	1.161	.875	3	1.375	.406	VCFKF		VG-112V
.875 (7/8")								
HDV	1.323	1.625	1	1.500	.406	BCFJF		VG-428
HV	1.323	.812	1	1.437	.265	BCFJF		VG-790
HV	1.323	.812	1	1.437	.265	VCFJF		VG-790V-CMS
HV	1.323	.937	1	1.500	.406	BCFJF		VG-309
HV	1.323	.937	1	1.500	.406	BCFKF		VG-687
HV	1.323	.937	1	1.500	.406	VCFJF		VG-309V
HV	1.323	.937	3	1.500	.406	BCFJF		VG-774
HV	1.323	.937	3	1.500	.406	BCFKF		VG-617
HV	1.323	1.375	1	1.500	.406	BCFJF		VG-188
HV	1.323	1.375	1	1.500	.406	BCFKF		VG-935
HV	1.323	1.375	3	1.500	.406	BCFJF		VG-776
HV	1.323	1.375	3	1.500	.406	BCFKF		VG-229
1.000 (1")								
AV	1.552	.812	1	1.625	.437	BMFJF		VG-360
AV	1.552	.812	25	1.625	.625	BMFJF		VG-405
HDV	1.539	1.625	1	1.625	.437	BCFJF		VG-879
HDV	1.539	1.625	1	1.625	.437	BCFKF		VG-891
HDV	1.539	1.875	1	1.625	.437	BCFJF		VG-429
HDV	1.539	1.875	1	1.625	.437	BCFKF		VG-430
HDV	1.539	1.875	1	1.625	.437	VLFLF		VG-879V-SC-SC-CMS
HTV	1.539	1.000	1	1.625	.437	BCFJF	B	VG-245
HTV	1.539	1.000	1	1.625	.437	VCFJF	B	VG-245V-CMS
HTV	1.539	1.000	25	1.625	.625	BCFLF	B	VG-413
HV	1.539	1.000	1	1.625	.437	BCFJF		VG-235
HV	1.539	1.000	1	1.625	.437	BCFKF		VG-357
HV	1.539	1.000	1	1.625	.437	VCFJF		VG-235V-CMS
HV	1.539	1.000	1	1.625	.437	VLFLF		VG-30790
HV	1.539	1.000	3	1.625	.312	BCFKF		VG-1630
HV	1.539	1.000	3	1.625	.437	BCFJF		VG-548
HV	1.539	1.000	3	1.625	.437	BCFKF		VG-499
HV	1.539	1.000	3	1.625	.437	VCFJF		VG-548V
HV	1.539	1.562	1	1.625	.437	BCFJF		VG-754
HV	1.539	1.562	1	1.625	.437	BCFKF		VG-236
HV	1.539	1.562	1	1.625	.437	VLFLF		VG-30820
HV	1.539	1.562	3	1.625	.437	BCFJF		VG-557
HV	1.539	1.562	3	1.625	.437	BCFKF		VG-791
1.062 (1-1/16")								
Special	1.625	1.593	3	1.750	.437	BCFJF		VG-798
Special	1.625	1.593	3	1.750	.437	VCFJF		VG-798V
HV	1.673	1.157	3	1.750	.345	VCFLF		VG-110608V
1.125 (1-1/8")								
HV	1.673	1.062	1	1.750	.437	BCFJF		VG-356
HV	1.673	1.062	1	1.750	.437	BCFKF		VG-355
HV	1.673	1.062	1	1.750	.437	VCFJF		VG-356V-CMS

INCH

SEAL HEAD			MATING RING			Material Code	NOTES	Value Guard Part No.
Fig.	OD	Oper Hgt.	Fig.	Bore	Thick			
1.125 (1-1/8") (continued)								
HV	1.673	1.062	1	1.750	.437	VCFKF		VG-355V
HV	1.673	1.062	1	1.750	.437	VLFLF		VG-3029
HV	1.673	1.062	3	1.750	.437	BCFJF		VG-801
HV	1.673	1.062	3	1.750	.437	BCFKF		VG-529
HV	1.673	1.062	3	1.750	.437	VCFJF		VG-356V
HV	1.673	1.625	1	1.750	.437	BCFJF		VG-204
HV	1.673	1.625	1	1.750	.437	BCFKF		VG-384
HV	1.673	1.625	1	1.750	.437	VCFJF		VG-204V-CMS
HV	1.673	1.625	3	1.750	.437	BCFJF		VG-866
HV	1.673	1.625	3	1.750	.437	BCFKF		VG-867
1.250 (1-1/4")								
HTV	1.795	1.062	1	1.765	.365	BCFJF	B	VG-978
HTV	1.795	1.062	1	1.765	.365	BCFKF	B	VG-979
HTV	1.795	1.062	1	1.765	.365	VCFJF	B	VG-978V
HTV	1.795	1.062	1	1.875	.437	BCFJF	B	VG-246
HTV	1.795	1.062	1	1.875	.437	BCFKF	B	VG-249
HTV	1.795	1.062	1	1.875	.437	VCFJF	B	VG-246V-CMS
HTV	1.795	1.062	25	2.250	.625	BCFJF	B	VG-416A
HV	1.795	1.062	1	1.875	.437	BCFJF		VG-185
HV	1.795	1.062	1	1.875	.437	BCFKF		VG-756
HV	1.795	1.062	1	1.875	.437	VCFJF		VG-185V-CMS
HV	1.795	1.062	1	1.875	.437	VCFKF		VG-756V-CMS
HV	1.795	1.062	1	1.875	.437	VLFLF		VG-3017
HV	1.795	1.062	1	1.875	.437	VLFLF		VG-30800
HV	1.795	1.062	1	1.875	.437	XCFLF		VG-4103
HV	1.795	1.062	3	1.875	.437	BCFKF		VG-598
HV	1.795	1.062	3	1.875	.437	VCFJF		VG-185V
HV	1.795	1.062	3	1.875	.437	VCFKF		VG-756V
HV	1.795	1.062	1	2.000	.437	BCFJF		VG-466
HV	1.795	1.062	1	2.000	.437	VCFJF		VG-466V-CMS
HV	1.795	1.062	3	2.000	.437	BCFJF		VG-2230
HV	1.795	1.062	3	2.000	.437	BCFKF		VG-1018
HV	1.795	1.625	1	1.875	.437	BCFJF		VG-361
HV	1.795	1.625	1	1.875	.437	BCFJF		VG-2122
HV	1.795	1.625	1	1.875	.437	BCFKF		VG-137
HV	1.795	1.625	1	1.875	.437	VCFJF		VG-2122V
HV	1.795	1.625	1	1.875	.437	VLFLF		VG-30830
HV	1.795	1.625	3	1.875	.437	BCFJF		VG-546
HV	1.795	1.625	3	1.875	.437	BCFKF		VG-1109
1.375 (1-3/8")								
HDV	1.929	1.875	1	2.140	.437	BCFJF		VG-1104
HTV	1.929	.900	25	2.000	.500	BCFLF	B	VG-929
HV	1.929	1.125	1	2.000	.437	BCFJF		VG-177
HV	1.929	1.125	1	2.000	.437	BCFKF		VG-210
HV	1.929	1.125	1	2.000	.437	VLFLF		VG-177V-SC-SC-CMS
HV	1.929	1.125	3	2.000	.437	BCFJF		VG-805
HV	1.929	1.125	3	2.000	.437	BCFKF		VG-547
HV	1.929	1.687	1	2.000	.437	BCFJF		VG-354
HV	1.929	1.687	1	2.000	.437	BCFKF		VG-677
HV	1.929	1.687	3	2.000	.437	BCFJF		VG-864
HV	1.929	1.687	3	2.000	.437	BCFKF		VG-865
1.500 (1-1/2")								
HTV	2.047	1.125	1	2.125	.437	BCFJF	B	VG-347
HV	2.047	1.125	1	2.125	.437	BCFJF		VG-758
HV	2.047	1.125	1	2.125	.437	BCFKF		VG-659
HV	2.047	1.125	1	2.125	.437	VCFJF		VG-758V-CMS
HV	2.047	1.125	1	2.125	.437	VCFKF		VG-659V-CMS
HV	2.047	1.125	1	2.125	.437	VLFLF		VG-30770
HV	2.047	1.125	3	2.125	.437	BCFJF		VG-816
HV	2.047	1.125	3	2.125	.437	BCFKF		VG-553
HV	2.047	1.125	3	2.125	.437	VCFJF		VG-758V
HV	2.047	1.125	3	2.125	.437	VCFKF		VG-659V
HV	2.047	1.688	1	2.125	.437	BCFJF		VG-305

NOTE: B. TAPERED SPRING

INCH

SEAL HEAD			MATING RING			Material Code	NOTES	Value Guard Part No.
Fig.	OD	Oper Hgt.	Fig.	Bore	Thick			
1.500 (1-1/2") (continued)								
HV	2.047	1.688	1	2.125	.437	BCFKF		VG-374
HV	2.047	1.688	1	2.125	.437	VFLFLF		VG-30840
HV	2.047	1.688	3	2.125	.437	BCFJF		VG-395
HV	2.047	1.688	3	2.125	.437	BCFKF		VG-1110
HV	2.047	1.688	3	2.312	.437	VCFKF		VG-1648
1.625 (1-5/8")								
HTV	2.252	1.312	25	2.5	.812	BCFLF	B	VG-7497
HTV	2.252	1.375	1	2.375	.500	BCFJF	B	VG-514
HV	2.252	1.375	1	2.375	.500	BCFJF		VG-238
HV	2.252	1.375	1	2.375	.500	BCFKF		VG-239
HV	2.252	1.375	1	2.375	.500	VCFJF		VG-238V-CMS
HV	2.252	1.375	1	2.375	.500	VFLFLF		VG-30850
HV	2.252	1.375	3	2.625	.500	BCFKF		VG-1019
HV	2.252	2.000	1	2.375	.500	BCFJF		VG-745
HV	2.252	2.000	1	2.375	.500	BCFKF		VG-744
HV	2.252	2.000	3	2.375	.500	BCFJF		VG-1683
HV	2.252	2.000	3	2.375	.500	BCFKF		VG-822
HV	2.300	1.375	3	2.375	.500	BCFJF		VG-818
1.750 (1-3/4")								
HV	2.394	1.375	1	2.625	.500	BCFJF		VG-7252
HV	2.394	1.375	1	2.500	.500	BCFJF		VG-446
HV	2.394	1.375	1	2.500	.500	BCFKF		VG-448
HV	2.394	1.375	1	2.500	.500	VCFJF		VG-446V-CMS
HV	2.394	1.375	3	2.500	.500	BCFJF		VG-550
HV	2.394	1.375	3	2.500	.500	BCFKF		VG-436
HV	2.394	1.375	3	2.500	.500	VCFJF		VG-550V
HV	2.394	1.375	3	2.500	.500	VLFZF		VG-4361
HV	2.394	2.000	1	2.500	.500	BCFJF		VG-205
HV	2.394	2.000	1	2.500	.500	BCFKF		VG-366
HV	2.394	2.000	3	2.500	.500	BCFJF		VG-535
HV	2.394	2.000	3	2.500	.500	BCFKF		VG-262
1.875 (1-7/8")								
HV	2.516	2.000	1	2.640	.406	BCFJF		VG-1105
HV	2.516	1.500	1	2.625	.500	BCFJF		VG-340
HV	2.516	1.500	1	2.625	.500	BCFKF		VG-1608
HV	2.516	1.500	1	2.625	.500	VCFJF		VG-340V
HV	2.516	1.500	3	2.625	.500	BCFJF		VG-2114
HV	2.516	1.500	3	2.625	.500	BCFKF		VG-593
HV	2.516	2.125	1	2.625	.500	BCFJF		VG-523
HV	2.516	2.125	1	2.625	.500	BCFKF		VG-513
HV	2.516	2.125	3	2.625	.500	BCFJF		VG-2071
HV	2.516	2.125	3	2.625	.500	BCFKF		VG-2072
1.937 (1-15/16")								
HV	2.583	2.125	—	—	—	VCF-F		VG-1937
2.000 (2")								
AV	2.913	1.375	2	2.750	.375	VCFLF		VG-3004V
HV	2.583	1.500	1	2.750	.500	BCFJF		VG-267
HV	2.583	1.500	1	2.750	.500	BCFKF		VG-842
HV	2.583	1.500	3	2.750	.500	BCFJF		VG-532
HV	2.583	1.500	3	2.750	.500	BCFKF		VG-332
HV	2.583	2.125	1	2.750	.500	BCFJF		VG-479
HV	2.583	2.125	1	2.750	.500	BCFKF		VG-843
HV	2.583	2.125	1	2.750	.500	VCFJF		VG-479V
HV	2.583	2.125	3	2.750	.500	BCFJF		VG-530
HV	2.583	2.125	3	2.750	.500	BCFKF		VG-477
2.125 (2-1/8")								
HV	2.819	2.250	1	3.187	.562	BCFJF		VG-1107
HV	2.819	1.687	1	3.000	.562	BCFJF		VG-844
HV	2.819	1.687	1	3.000	.562	BCFKF		VG-543
HV	2.819	1.687	3	3.000	.562	BCFJF		VG-338
HV	2.819	1.687	3	3.000	.562	VLFZF		VG-4360
HV	2.819	2.375	1	3.000	.562	BCFJF		VG-537

INCH

SEAL HEAD			MATING RING			Material Code	NOTES	Value Guard Part No.
Fig.	OD	Oper Hgt.	Fig.	Bore	Thick			
2.250 (2-1/4")								
HV	2.819	2.375	1	3.000	.562	BCFKF		VG-353
HV	2.819	2.375	3	3.000	.562	BCFJF		VG-327
HV	2.819	2.375	3	3.000	.562	BCFKF		VG-2086
HV	3.027	1.688	1	3.125	.562	BCFJF		VG-1679
HV	3.027	1.688	1	3.125	.562	BCFKF		VG-1680
HV	3.027	1.688	1	3.125	.562	VCFJF		VG-1679V
HV	3.027	1.688	1	3.125	.562	VCFKF		VG-1680V
HV	3.027	1.688	3	3.125	.562	BCFJF		VG-1678
HV	3.027	1.688	3	3.125	.562	BCFKF		VG-1676
HV	3.027	2.375	1	3.125	.562	BCFJF		VG-323
HV	3.027	2.375	1	3.125	.562	BCFKF		VG-351
HV	3.027	2.375	3	3.125	.562	BCFJF		VG-848
HV	3.027	2.375	3	3.125	.562	BCFKF		VG-849
2.375 (2-3/8")								
HV	3.087	1.813	1	3.250	.562	BCFJF		VG-268-CMS
HV	3.087	1.813	1	3.250	.562	BCFKF		VG-492-CMS
HV	3.087	1.813	3	3.250	.562	BCFJF		VG-268
HV	3.087	1.813	3	3.250	.562	BCFKF		VG-492
HV	3.087	2.500	1	3.250	.562	BCFJF		VG-2097-CMS
HV	3.087	2.500	1	3.250	.562	BCFKF		VG-350-CMS
HV	3.087	2.500	3	3.250	.562	BCFJF		VG-2097
HV	3.087	2.500	3	3.250	.562	BCFKF		VG-350
2.500 (2-1/2")								
HV	3.197	1.813	3	3.375	.562	BCFJF		VG-269
HV	3.197	1.813	3	3.375	.562	BCFKF		VG-853
HV	3.197	2.500	3	3.375	.562	BCFJF		VG-279
HV	3.197	2.500	3	3.375	.562	BCFKF		VG-349
Spec	3.268	1.811	25	3.375	.562	QCFLF		VG-3804
2.625 (2-5/8")								
HV	3.327	1.937	3	3.375	.625	BCFJF		VG-7909
HV	3.327	2.750	3	3.375	.625	BCFJF		VG-328
HV	3.327	2.750	3	3.375	.625	BCFKF		VG-542
2.750 (2-3/4")								
HV	3.528	1.937	3	3.500	.625	BCFJF		VG-836
HV	3.528	1.937	3	3.500	.625	BCFKF		VG-483
HV	3.528	2.750	3	3.500	.625	BCFJF		VG-838
HV	3.528	2.750	3	3.500	.625	BCFKF		VG-321
HDV	3.528	3.750	1	3.500	.625	BCFKF		VG-322-CMS
HDV	3.528	3.750	3	3.500	.625	BCFKF		VG-322
3.000 (3")								
HV	2.386	2.000	1	2.500	.500	VFLF		VG-30860
HV	3.803	2.062	3	3.875	.625	BCFJF		VG-761
HV	3.803	2.062	3	3.875	.625	BCFKF		VG-465
HV	3.803	2.813	3	3.875	.625	BCFJF		VG-324
HV	3.803	2.813	3	3.875	.625	BCFKF		VG-475