

SYMBOL	PARTS NAME	QUANTITY	MATERIAL
1	CASING	1	G-Y12C-MoWNbNiTiO-1-1 (10Cr alloy steel)
3	HEAD SV	1	G-Y12C-MoWNbNiTiO-1-1 (10Cr alloy steel) or ASTM A182F91
5	HEAD CV	1	G-Y12C-MoWNbNiTiO-1-1 (10Cr alloy steel) or ASTM A182F91
7	SEAT SV	1	ASTM A182F91 w/Stellite 6
8	SEAT CV	1	ASTM A182F91 w/Stellite 6
9	STEM SV	1	INCOLOY901
10	DISC SV	1	ASTM A182F91 w/Stellite 6
11	DISC COVER SV	1	12Cr alloy steel
12	HEX SOC BOLT	8	12Cr alloy steel
13	STRAINER DOWEL	1	1.25CMoV alloy steel
14	STRAINER DOWEL	1	1CMoV alloy steel
15	PN	2	1CMoV alloy steel
16	GASKET	1	GRAPHITE + INCONEL600
17	BUSHING SV LOWER	1	ASTM A182F91 w/Stellite 6
18	SEAT RING SV	1	ASTM A182F91 w/Stellite 6
19	PN SV	1	12Cr alloy steel
20	FLANGE SV LEAKOFF	2	ASTM A182F22 Q.3
21	GASKET	2	GRAPHITE + INCONEL600
22	STUD LEAKOFF	8	12Cr alloy steel 94
23	HEX NUT	8	1CMoV alloy steel 95
25	STUD BOLT	8	12Cr alloy steel
26	HEX NUT	8	1CMoV alloy steel
27	CONNECTOR SV	1	1CMoV alloy steel
28	KEY	2	1CMoV alloy steel
33	STUD BOLT SV	18	12Cr alloy steel
34	CASTLE NUT	18	12Cr alloy steel
40	BRACKET	1	ASTM A387G22
41	HEX BOLT	5	12Cr alloy steel
50	DISC CV	1	12Cr alloy steel w/Stellite 6
51	STEM CV	1	INCOLOY901
52	SLEEVE CV	1	12Cr alloy steel
53	GASKET	1	GRAPHITE + INCONEL600 97
54	BUSH CV LOWER	1	ASTM A182F91 w/Stellite 6
55	SEAT RING	1	ASTM A182F91 w/Stellite 6
56	PN	3	1CMoV alloy steel
57	PN CV	1	1CMoV alloy steel
58	HEX SOC BOLT	4	1CMoV alloy steel
60	FLANGE 2ND LEAK	1	ASTM A182F22 Q.3 99
61	GASKET	1	GRAPHITE + INCONEL600
62	STUD BOLT	4	12Cr alloy steel
63	HEX NUT	4	1CMoV alloy steel
64	FLANGE 3RD LEAK	1	ASTM A182F22 Q.3
65	GASKET	1	GRAPHITE + INCONEL600
66	STUD BOLT	4	12Cr alloy steel
67	HEX NUT	8	1CMoV alloy steel
68	CONNECTOR CV	1	1CMoV alloy steel
69	STUD BOLT	4	12Cr alloy steel
70	STUD BOLT CV	14	12Cr alloy steel
71	CASTLE NUT	14	12Cr alloy steel
72	PN	2	1CMoV alloy steel 96
73	BUSHING CV UPPER	1	ASTM A182F91 w/Stellite 6
74	REFRAINER	2	ASTM A387G22
75	HEX BOLT	16	12Cr alloy steel
76	LOCK PLATE	2sets	SUS410 for retainer ring CV
79	BUSHING SV UPPER	1	ASTM A182F91 w/Stellite 6
81	FLANGE 1ST LEAK	1	ASTM A182F22 Q.3
82	GASKET	1	GRAPHITE + INCONEL600 98
83	INSULATION RING	1	CERAMIC WOOL
150	FLANGE	2	12Cr alloy steel
151	GASKET	2	SUS410
152	HEX NUT	8	1CMoV alloy steel
153	STUD BOLT	8	12Cr alloy steel
154	PN	2	12Cr alloy steel
202	Yoke SV	1	ASTM A387G22, SS400
203	COUPLING SV	1	SOM435-Q (Carbon steel)
204	SPACER SV	1	SS400 (Carbon steel)
205	HEX BOLT	12	SOM435-Q (Carbon alloy steel)
206	LOCK PLATE	1sets	SPQC-SQ (Carbon steel) 93
207	HEX BOLT	24	SOM435-Q (Carbon alloy steel)
208	LOCK PLATE	2sets	SPQC-SQ (Carbon steel) 92
209	COUPLING CV	1	SOM435-Q (Carbon alloy steel)
210	LOCK PLATE	1sets	SPQC-SQ (Carbon steel) 100
211	ACTUATOR SV	1	-
212	Yoke CV	1	ASTM A387G22, SS400
214	SPACER CV	1	SS400 (Carbon steel)
222	ACTUATOR CV	1	-

CLEARANCE TABLE			
LETTER	HOLE SIDE	SHAFT SIDE	CLEARANCE
ØH1	CSING	SV HEAD	Ø 666.65 ±0.05 C= 0.18 - 0.25
ØH2	CSING	CV	Ø 666.67 ±0.05 C= 0.13 - 0.23
ØH3	CSING	CV HEAD	Ø 519.13 ±0.05 C= 0.13 - 0.23
ØM1	SV HEAD	SV HEAD	Ø 84.50 ±0.05 C= 0.33 - 0.43
ØM2	SV HEAD	CV HEAD	Ø 84.50 ±0.05 C= 0.25 - 0.30
ØP1	CV STEM	CV HEAD	Ø 79.85 ±0.05 C= 0.45 - 0.50
ØS1	SV STEM	SV HEAD	Ø 559.17 ±0.1 C= 0.33 - 0.39
ØS2	SV STEM	SV HEAD	Ø 559.17 ±0.1 C= 0.33 - 0.39
ØV1	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV2	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV3	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV4	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV5	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV6	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV7	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV8	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV9	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV10	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV11	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV12	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV13	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV14	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV15	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV16	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV17	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV18	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV19	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV20	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV21	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV22	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV23	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV24	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV25	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV26	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV28	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV36	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV37	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV38	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV40	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV42	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV43	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV44	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV56	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV63	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
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ØV141	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV142	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV143	SV Yoke	SV HEAD	Ø 646.67 ±0.1 C= 0.33 - 0.39
ØV144	CV Yoke	CV HEAD	Ø 646.67 ±0.1 C= 0.33 -