

■ TRIM MATERIAL

Trim (a) No.	Nominal Trim	Material Type	Body Seat Surface (b)	Disk Seat Surface (b)	Stem and Other Trim Parts	Available (c) Type of Body Seat Ring
1	F6	13Cr	13% Chromium	13% Chromium	13% Chromium	X
2	304	18-8 Cr-Ni	Type 304 Stainless Steel	Type 304 Stainless Steel	Type 304 Stainless Steel	X, Y, Z (e)
2H (d)	304 (Hardfaced)		Stellite 6	Stellite 6	Type 304 Stainless Steel	X, Y, Z (f)
2S	304 and Hardfaced		Stellite 6	Type 304 Stainless Steel	Type 304 Stainless Steel	X, Y, Z (d)
5	Hardfaced	Co Cr-A	Stellite 6	Stellite 6	13% Chromium	X, Y, Z (f)
8	F6 and Hardfaced	13Cr		13% Chromium	13% Chromium	X, Y, Z (f)
		Co Cr-A	Stellite 6			
8A	F6 and Hardfaced	13Cr		13% Chromium	13% Chromium	X, Y, Z (f)
		Ni-Cr	Ni-Cr			
9	Monel	Ni-Cu Alloy	Monel	Monel	Monel	X, Y, Z (e) (f)
10	316	18-8 Cr-Ni	Type 316 Stainless Steel	Type 316 Stainless Steel	Type 316 Stainless Steel	X, Y, Z (e)
10H (d)	316(Hardfaced)		Stellite 6	Stellite 6	Type 316 Stainless Steel	X, Y, Z (f)
11	Monel and Hardfaced	Ni-Cu Alloy		Monel	Monel	X, Y, Z (f)
		Trim 5 or 5A	Stellite 6			
12	316 and Hardfaced	18-8 Cr-Ni		Type 316 Stainless Steel	Type 316 Stainless Steel	X, Y, Z (f)
		Trim 5 or 5A	Stellite 6			
13	Alloy 20	19-29 Cr-Ni	Alloy 20	Alloy 20	Alloy 20	X, Y, Z (e)
14	Alloy 20 and Hardfaced	19-29 Cr-Ni		Alloy 20	Alloy 20	X, Y, Z (f)
		Trim 5 or 5A	Stellite 6			
15	304L		Type 304L Stainless Steel	Type 304L Stainless Steel	Type 304L Stainless Steel	X, Y, Z (d)
15H	304L(Hardfaced)		Stellite 6	Stellite 6	Type 304L Stainless Steel	X, Y, Z (d)
15S	304L and Hardfaced		Stellite 6	Type 304L Stainless Steel	Type 304L Stainless Steel	X, Y, Z (d)
16	316L		Type 316L Stainless Steel	Type 316L Stainless Steel	Type 316L Stainless Steel	X, Y, Z (d)
16H	316L(Hardfaced)		Stellite 6	Stellite 6	Type 316L Stainless Steel	X, Y, Z (d)
16S	316L and Hardfaced		Stellite 6	Type 316L Stainless Steel	Type 316L Stainless Steel	X, Y, Z (d)
17	347		Type 347 Stainless Steel	Type 347 Stainless Steel	Type 347 Stainless Steel	X, Y, Z (d)
17H	347 (Hardfaced)		Stellite 6	Stellite 6		
17S	347 and Hardfaced		Stellite 6	Type 347 Stainless Steel	Type 347 Stainless Steel	X, Y, Z (d)
18	Hastelloy B		Hastelloy B	Hastelloy B	Hastelloy B	X, Y, Z (d)
18H	(Hardfaced)		Stellite 6	Stellite 6	Hastelloy B	X, Y, Z (d)
18S	Hastelloy B and Hardfaced		Stellite 6	Hastelloy B	Hastelloy B	X, Y, Z (d)
19	Hastelloy C		Hastelloy C	Hastelloy C	Hastelloy C	X, Y, Z (d)
19H	Hastelloy C		Stellite 6	Stellite 6	Hastelloy C	X, Y, Z (d)
19S	Hastelloy C		Stellite 6	Hastelloy C		
20	Inconel		Inconel	Inconel	Inconel	X, Y, Z (d)
20H	Inconel		Stellite 6	Stellite 6	Inconel	X, Y, Z (d)
20S	Inconel		Stellite 6	Inconel	Inconel	X, Y, Z (d)
0 (d)	The Other Combination					

(a) Trim numbers correspond to API 600.

(b) Base material equal to or better than the body / bonnet material corrosion resistance.

(c) Type of body seat ring X : Threaded renewable seat ring

Y : Seal-welded seat ring

Z : Integral seat

(d) These trim numbers are not included in API 600.

(e) Z type can be used when trim material is equal to that of body.

(f) Z type can be used for Globe and Lift Check valves.