



API 600 TRIM CHART

Important Note:

*Data provided in this chart is for informational purposes only.
Always consult current API publications to verify information and trim data.*

API Trim Number	Material	Seat / Disc		Backseat	Stem	Notes
1	410	410	410	410	410	
2	304	304	304	304	304	
3	F310	310	310	310	310	
4	Hard 410	Hard 410	Hard 410	410	410	Seats 750 BHN min.
5	Hardfaced	Stellite	Stellite	410	410	
5A	Hardfaced	Ni-Cr	Ni-Cr	410	410	
6	410 and Cu-Ni	Cu-Ni	Cu-Ni	410	410	
7	410 and Hard 410	Hard 410	Hard 410	410	410	Seats 750 BHN min.
8	410 and Hardfaced	Stellite	410	410	410	
8A	410 and Hardfaced	Ni-Cr	410	410	410	
9	Monel	Monel	Monel	Monel	Monel	
10	316	316	316	316	316	
11	Moned and Hardfaced	Stellite	Monel	Monel	Monel	
12	316 and Hardfaced	Stellite	316	316	316	
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20	Alloy 20	
14	Alloy 20 and Hardfaced	Stellite	Alloy 20	Alloy 20	Alloy 20	
15	304 and Hardfaced	Stellite	Stellite	304	304	
16	316 and Hardfaced	Stellite	Stellite	316	316	
17	347 and Hardfaced	Stellite	Stellite	347	347	
18	Alloy 20 and Hardfaced	Stellite	Stellite	Alloy 20	Alloy 20	

AMERICAN STANDARDS

American Petroleum Institute (API)

API-6D Specification for Pipeline Valves

API-6A Specification for Wellhead and Christmas Tree Equipment

API-6FA Specification for Fire Test for Valves

API-594 Check Valves: Wafer, Wafer Lug, & Double Flanged Type

API 598 Valve Inspection & Testing

API-600 Bolted Bonnet Steel Gate Valves for Petroleum & Natural Gas Industries

API-602 Compact Steel Gate Valves - Flanged, Threaded, Welding & Extended Body Ends

API-607 Fire Test for Soft-Seated Quarter - Turn Valves

API-608 Metal Ball Valves - Flanged, Threaded, & Welding End

API-609 Butterfly Valves: Double Flanged, Lug & Wafer - Type

API-Q1 Specifications for Quality Programs for the Petroleum, Petrochemical & Natural Gas

American Society of Mechanical Engineers (ASME)

ASME-B1.20.1 Pipe Threads, General Purpose (inch)

ASME-B16.11 Forged Fittings, Socket - Welding & Threaded

ASME-B16.10 Face to Face & End to End Dimensions of Valves

ASME-B16.5 Pipe Flanges & Flanged Fittings NPS 1/2 ~ NPS 24

ASME-B16.47 Large Diameter Steel Flanges NPS 26 ~ NPS 60

ASME-B16.25 Buttwelding Ends

ASME-B16.34 Valves - Flanged, Threaded & Welding End

INTERNATIONAL STANDARDS

ISO 9001:2008 Quality Management Systems

ISO 14001 Environmental Management

OHSAS 18001:2007 Occupational Health & Safety Management System

ISO/TS 29001 Petroleum, Petrochemical & Natural Gas Industries - Sector Specific

Quality Management Systems

CE/PED Pressure Equipment Directive

GOST Russian National Technical Standards

CRN Canadian Registration Number

Z245.15.96 Pipeline Steel Valves

TESTING

According to API598 specification.

Non-Destructive Testing: X-Ray Testing, UT Testing, Magnetic Particle testing, Dye

Penetration Test

Destructive Testing: Impact Testing