

700 & 600 SERIES	D711 & D611 ANSI 150	D721 & D621 ANSI 300	D741 & D641 ANSI 600
Body	CAST CARBON STEEL ASTM A216 WCB WITH CHROME PLATED BORE	CAST CARBON STEEL ASTM A216 WCB WITH CHROME PLATED BORE	CAST CARBON STEEL ASTM A216 WCB WITH CHROME PLATED BORE
Bonnet/Lower Plate	CARBON STEEL ASTM A216 WCB or ASTM A350 LF2	CARBON STEEL ASTM A216 WCB or ASTM A350 LF2	CARBON STEEL ASTM A216 WCB or ASTM A350 LF2
Plug	ASTM A216 WCB or ASTM A487 – 4D WITH ELECTROLESS NICKEL PLATING (1)	ASTM A216 WCB WITH ELECTROLESS NICKEL PLATING (1)	ASTM A216 WCB & ASTM A487 – 4D WITH ELECTROLESS NICKEL PLATING (1)
Stem	A216 WCB or ASTM A487 – 4D WITH ELECTROLESS NICKEL PLATING (1)	A216 WCB WITH ELECTROLESS NICKEL PLATING (CAST PLUG) (1)	A216 WCB or ASTM A487 – 4D WITH ELECTROLESS NICKEL PLATING (1)
Slips	Ductile Iron ASTM A536 Gr 80-55-06, ASTM A 395 60-40-18 or ASTM A516 gr 70	Ductile Iron ASTM A536 Gr 80-55-06, ASTM A 395 60-40-18 or ASTM A516 gr70	Ductile Iron ASTM A536 Gr 80-55-06, ASTM A395 60-40-18 or ASTM A516 gr70
Gland	17-4 SS	17-4 SS	17-4 SS
Gland Packing	Graphite	Graphite	Graphite
Body Fire Seals	Graphite	Graphite	Graphite
O-Rings & Slip Seals	See trim selection	See trim selection	See trim selection
Fasteners	ASTM A193 Gr. B7 / 2H	ASTM A193 Gr. B7 / 2H	ASTM A193 Gr. B7 / 2H

Note: All Materials subject to change without notice. *Manganese Phosphate Coating available * NACE SPECIFICATION AVAILABLE *ENP Bore available
(1) In accordance with NACE MRO175 Latest Edition

Proper seal selection requires a number of considerations such as media, pressure class, differential pressure, low temperature, high temperature, seal type, etc. To that end we have included a selection of slip seal materials and a brief list of considerations:

Fluoro Elastomers Slip Seal Materials		
V	Viton	Our Standard Material
V9	Viton 90 Durometer	Standard HIDP
VFR	Fiber Reinforced Viton	Optional HIDP
VGF	Viton GF	Viton with Enhanced Chem. Resistance
VGLT	Viton GFLT	Low Temp Viton GF
VGLT9	Viton 90 Durometer GFLT	HIDP Low Temp Viton GF
Nitrile Elastomers Slip Seal Materials		
H	Nitrile	Standard Nitrile
H9	Nitrile 90 Durometer	HIDP Nitrile
LH	Low Temp Nitrile	Low Temp Nitrile
H5	Modified Nitrile	Reformulate Gasoline Seal Material
Specialty Slip Seal Materials		
C	Epichlorohydrin	Good Low Temp Material
E	Ethylenepropylene	Ammonia but not Hydrocarbon
UHS	Fluorosilicone	Good High and Low Temp
AFL	AFLAS	Amines, exp. decomp., steam, 450° F

All specifications and materials are subject to change without notice. DURASEAL conforms to API 6FA testing