



DOUBLE BLOCK & BLEED

Ball Valves.



RMT Valvomeccanica

Trunnion **Double Block & Bleed** Ball Valves

High In-Time Reliability

- Critical Areas Protection from External Particles
- Partial or Full Internal C.R.A. Overlay (625).

Material Selection

- In Accordance with Dedicate International Standards and Additional Client Requirements.
- Soft and Metal-to-Metal Seat to Ball Design.





***Fully Customizable
Static &
Dynamic
Seal Design***



***Suitable
for any Required
Operator***



Material Specification

Parts	CARBON STEELS	MARTENSITICSS	AUSTENITICSS	DUPLEX SS SUPERDUPLEX SS	OTHER SS	NICKEL ALLOYS
Body	A105	A182 F6a	AISI 316	A182 F51	-	Monel 400
Closure	A350 LF2	(AISI 410)	AISI 321	A182 F53		Inconel 625
Glandplate	A350 LF3 (notes 1-2)		A182 F44	A182 F55		
Ball & Seats	A105 + ENP 75µm A350 LF2 + ENP 75 µm A350 LF3 + ENP 75 µm (note 3)	A182 F6a (AISI 410) (notes 3-4)	AISI 316 AISI 321 A182 F44 A182 F XM-19 (Nitronic 50) (notes 3-4)	A182 F51 A182 F53 A182 F55 (notes 3-4)	A564 Gr. 630 (17-4PH) (notes 3-4)	Monel 400 Monel K500 Inconel 625
Seat Insert	Soft Seated: Metal-to-Metal Seated:	PTFE - RPTFE - Nylon 12 - Devlon - Peek - KEL-F - Vespel. Tungsten Carbide Coated (TCC) - Chromium Carbide Coated (CCC), 120 µm minimum thickness.				
Stem	AISI 4140 + ENP 75 µm	A182 F6a (AISI 410) (note 4)	AISI 316 A182 F XM-19 (note 4)	A182 F51 A182 F53 A182 F55 (note 4)	A564 Gr. 630 (17-4PH) (note 4)	Monel K500 Inconel 718
Bolting	A193 B7/A194 2H A193 B7M/A194 2HM A320 L7/A194 Gr.4 A320 L7M/A194 Gr.7M (notes 5-6-7)	-	A193 B8/A194 Gr.8 A193 B8M/A194 GR.8M	A182 F51 A182 F53 A182 F55	A453 Gr. 660 -	
Springs	-	-	-	-	-	Inconel X750 Inconel 718
Seals	O-Rings (Std Temp.): Lipseals (Low Temp.): Graphite or Spiral Wound (High Temp.):	Fluoroelastomer (Viton® - Viton GLT®), Hydrogenate Nitrile (HNBR), Perfluoroelastomer (Kalrez®) RPTFE + ELGILOY® Graphite 98%, SS316 + Graphite.				

All combinations of the above materials are possible.

OPTIONAL FEATURES

1. 3mm. Inconel 625 weld overlay on dynamic seals areas.
2. 3mm. Inconel 625 weld overlay on all wetted parts.
3. Hard coating (TCC-CCC) on ball and seat contact surfaces (metal-to-metal design), 120 µm minimum thickness.
4. ENP 25 µm
5. Zinc plated (10-20 µm)
6. Hot Dip Galvanized - HDG (ASTM A153 or ISO 1461)
7. Fluorocarbon Coated

Construction and testing in accordance with API 6D \ ASME B16.34.



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