

Trunnion ball

Specification of Products : NPS1" ~12" (DN25-300)

Pressure Rating : Class 150~2500(PN16~420)

Base Material : ASTM A105 ,A305 LF2,A182 F6A,A182 F304,A182F6NM ,
A182 F316,A182 F321, A182 F51,A182 F55,A564 630(17-4PH),B564 No6625,
B564 NO8825, B564 NO4400, INCONEL 825,INCONEL625,MONEL,Hadtelloy Alloy

Coatings : ENP, Chrome Plating, Tungsten Carbide,
Ni60, Chrome Carbide, Stellite, Inconel

Support Type : Stem **Drive :** Hexagon Hole



Trunnion ball

Specification of Products : NPS1" ~56" (DN25-1400)

Pressure Rating : Class 150~600(PN16~100)

Base Material : ASTM A105 ,A305 LF2,A182 F6A,A182 F304,A182F6NM ,
A182 F316,A182 F321, A182 F51,A182 F55,A564 630(17-4PH),B564 No6625,
B564 NO8825, B564 NO4400, INCONEL 825,INCONEL625,MONEL,Hadtelloy Alloy

Coatings : ENP, Chrome Plating, Tungsten Carbide, Chrome Carbide,
Ni60, Stellite, Inconel

Support Type : Support Plate **Drive :** pin



Trunnion ball

Specification of Products : NPS6" ~56" (DN50-1400)

Pressure Rating : Class 150~2500(PN16~420)

Base Material : ASTM A105 ,A305 LF2,A182 F6A,A182 F304,A182F6NM ,
A182 F316,A182 F321, A182 F51,A182 F55,A564 630(17-4PH),B564 No6625,
B564 NO8825, B564 NO4400, INCONEL 825,INCONEL625,MONEL,Hadtelloy Alloy

Coatings : ENP, Chrome Plating, Tungsten Carbide,
Ni60, Chrome Carbide, Stellite, Inconel

Support Type : Support Plate **Drive :** Rectangle Socket



Three-way ball

Specification of Products : NPS2" ~16" (DN50-400)

Pressure Rating : Class 150~2500(PN16~420)

Base Material : ASTM A105 ,A305 LF2,A182 F6A,A182 F304,A182F6NM ,
A182 F316,A182 F321, A182 F51,A182 F55,A564 630(17-4PH),B564 No6625,
B564 NO8825, B564 NO4400, INCONEL 825,INCONEL625,MONEL,Hadtelloy Alloy

Coatings : ENP, Chrome Plating, Tungsten Carbide,
Ni60, Chrome Carbide, Stellite, Inconel

Support Type : Stem **Drive :** Key Hole



PRODUCTS DISPLAY

The main products, materials, and executed standards are as follows:

Products:	Trunnion Ball, Floating Ball, Hexagon Trunnion Ball, Triangon Trunnion Ball, Sem-disc Ball, Three-Way Ball, Stem, Seats
Size:	1/2" -56"
Pressure:	API 600&6D : Class150-Class2500
Raw Material:	Carbon steel (low, mild or higher):A105, LF2,LF3,4130,4140,F22,A694F50(F60,F65) AUSTENITIC Stainless steel:F304, F316, F316L, F316Ti, F316LN Mod,F317,F321,F347 Martensitic stainless steel:F6a(410), F6NM(415) Precipitation hardening stainless steel:17-4PH, 17-7PH Duplex or Superduplex stainless steel:F51, F53, F55 ,F60 Exotic Materials:INCONEL625, INCONEL825, INCONEL718, HASTELLOY, MONEL400, MONEL K500, Zirconium alloy, Titanium alloy, Aluminum -bronze
Coating:	HVOF : Tungsten Carbide, Stellite, Chromium Carbide(thickness:150-400um), Hardness ≥1100HV ENP(Thickness from 25 to 75µm) Chrome (0.02,0.03,0.05mm) Thermal spraying :Nickel alloy(thickness: 0.5-1mm) HRC≤59 Welding: F304,F316,Inconel, STL (thickness:3-4mm) Lapping: match grinding with seats after spraying
Tests and Measurements:	PT UT MT PMI HARDNESS FERRITE THICKNESS(for (ouverlaying, plating or coatir
Technical features:	Ball sphericity: 0.02mm MAX Roughness: From Ra 0.3 to 0.6(after maching) From Ra 0.1 to 0.2(after TC coating) From Ra 0.4 to 0.8(after ENP)