

Floating Ball

Specification of Products : NPS3/8" ~10" (DN10-250)
Pressure Rating : Class 150~600(PN16~100)
Base Material : Inconel, Monel
Coatings : Stellite, Inconel
Support Type : seat **Drive :** Rectangle Socket



Floating ball

Specification of Products : NPS3/8" ~10" (DN10-300)
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 : seat **Drive :** Curve Slot



Connecting rod ball

Specification of Products : NPS2" ~40" (DN50-1000)
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
Stem : Gr630 A630 17-4PH
Coatings : Tungsten Carbide, Stellite, Inconel, Ni60
Support Type : stem **Drive :** Rectangle Socket



Stem ball

Specification of Products : NPS1" ~4" (DN25-350)
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, Chrome Carbide, Stellite, Inconel, Ni60
Support Type : stem **Drive :** Straight Slot



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)