

## L Style Three-way ball

**Specification of Products :** NPS1/2" ~12" (DN10-300)

**Pressure Rating :** Class 150~600(PN20~100)

**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



## 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



## Body for ball valve

**Specification of Products :** NPS2" ~48" (DN50-1200)

**Pressure Rating :** Class 150~2500(PN20~420)

**Substrate Materials :** 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



## Flange for ball valve

**Specification of Products :** NPS2" ~48" (DN50-1200)

**Pressure Rating :** Class 150~2500(PN20~420)

**Substrate Materials :** 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

**Link Type :** Flange joint(FF Therefore RTJ etc.), bell-and-spigot joint,butt welding joint.Or depending on the customers' drawing



## PRODUCTS DISPLAY

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

<b>Products:</b>	Trunnion Ball, Floating Ball, Hexagon Trunnion Ball, Triangon Trunnion Ball, Sem-disc Ball, Three-Way Ball, Stem, Seats
<b>Size:</b>	1/2" -56"
<b>Pressure:</b>	API 600&6D : Class150-Class2500
<b>Raw Material:</b>	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
<b>Coating:</b>	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
<b>Tests and Measurements:</b>	PT UT MT PMI HARDNESS FERRITE THICKNESS( for (ouverlaying, plating or coatir
<b>Technical features:</b>	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)