

1. **NAME OF ITEM:** SPHERICAL ROD END
2. **MATERIAL:** Shaft with female threading and a plain spherical bearing pressed into the head. The plain spherical bearings used are of self-lubricating and maintenance free type.
3. The forged body of the spherical rod ends shall be made out of steel C 45.
4. **CONSTRUCTION:** The rod ends shall be galvanized to protect them against corrosion. The plain spherical bearings to be pressed into the head of forged body of the rod ends shall be made out of bearing steels duly heat treated and polished. The materials of parts in sliding contact may have following designs :-

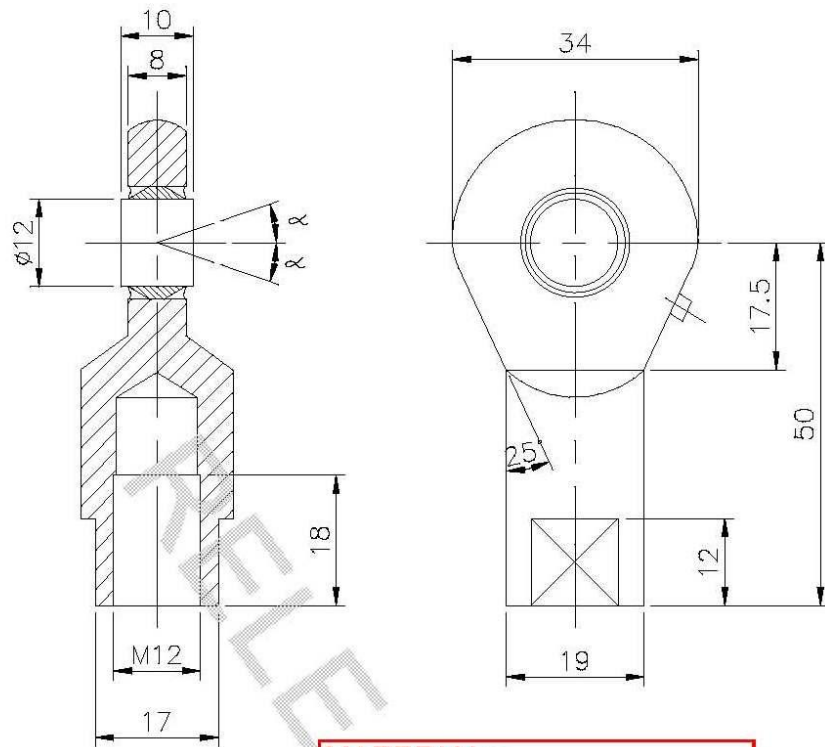
Steel on PTFE :

The sliding area of outer ring is overlaid with PTFE liner reinforced with glass fibre. The hard chromed inner surface slides over this liner.

Steel on composite material :

A layer of porous tin bronze whose pores are impregnated with a mixture of PTFE and lead is sintered on to the steel and this composite material is applied on to the outer ring forming the sliding surface over which hard chromed inner ring surface slides

5. **LOAD RATINGS :** Static load (Co):- 2700kG
Dynamic Load (Cr) :- 1250Kg
6. **TEST REQUIREMENTS :** Dimension checks, Testing the static load rating,
At loads up to the magnitude of the static load rating no permanent deformation should develop in sliding surface parts and the forged body of the rod ends. also no increase in friction or seizing of the surfaces in sliding contact should occur.



ANGLE OF MISALIGNMENT
 LOAD CAPACITY :-
 DYNAMIC C = 1250 Kg.
 STATIC C = 2700Kg.

**MATERIAL:-
 STEEL FORGING- C45**

NOTE :- THIS IS EQUIVALENT TO GELENKKOPF TYPE
 SI 12C OF M/S SKF OR GREEN KOPF m INNEN
 GEWINDE SI 12C OF M/S CARL HIRSCHMANN OR
 STANDARD-GELENK KOPF GIR 12UK OF M/S HELMUT
 EDGES.