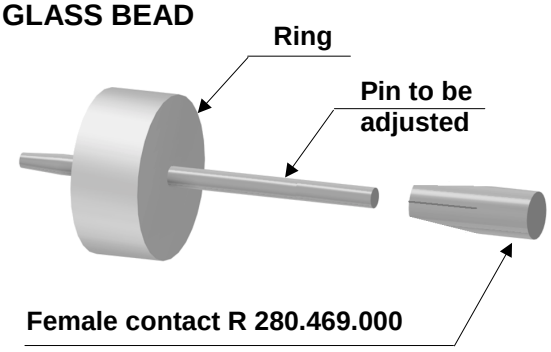
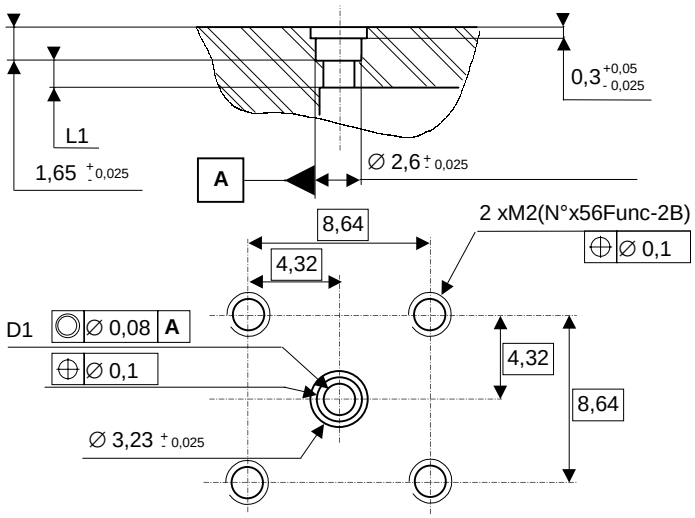
Herm 01 : Glass bead assembly

RADIALL®
RF interconnect solutions

GLASS BEAD



PANEL DRILLING



CONNECTOR

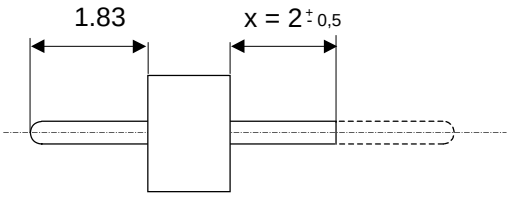
Set up the EMI screening gasket in the connector groove.
Put the connector on the housing while introducing the glass bead pin into the female contact (if necessary) then mount the fixtures of the flange.

The D1 and L1 dimensions have to be determined according to each using situation.

1st case

Utilisation of the removable female contact R280.469.000.

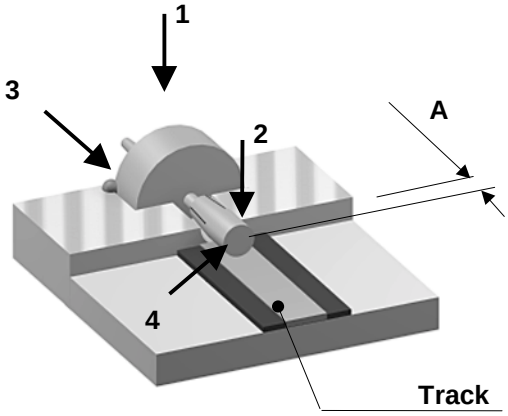
D1 = ∅ 2 ± 0,02 L1 = 2,5 ± 0,1 A = 1 max.



1

Adjust the dimension x by cutting the pin if necessary.

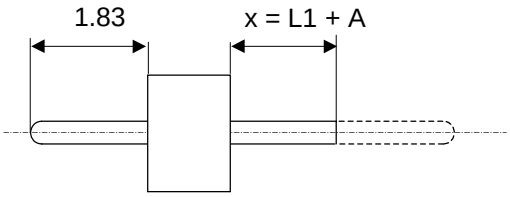
Introduce the glass bead into its housing with the female contact on it.
Weld the ring by putting a welding ring in the groove.
Weld the female contact on the track.
(Beware there is not too much welding).
We advise a SnPb 60/40 welding with a 0.3 mm wire (T 180°C).



2nd case

The glass bead pin is directly soldered onto the track.

D1 = ∅ 0,7 ± 0,02 L1 = 1 à 4 A = 0,5 ± 0,02



2

Adjust the dimension x by cutting the pin if necessary.

Introduce the glass bead into its housing.
Weld the ring by putting a welding ring in the groove.
Weld the glass bead pin on the track.
(Beware there is not too much welding).
(For maximum RF characteristics the link track/pin must be as thin as possible. We advise therefore to follow the A dimension rigorously, by welding accurately the glass bead pin on the track).
We advise a SnPb 60/40 welding with a 0.3 mm wire (T 180°C).