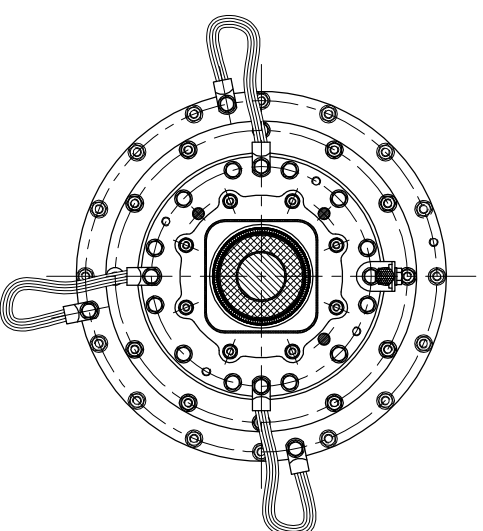
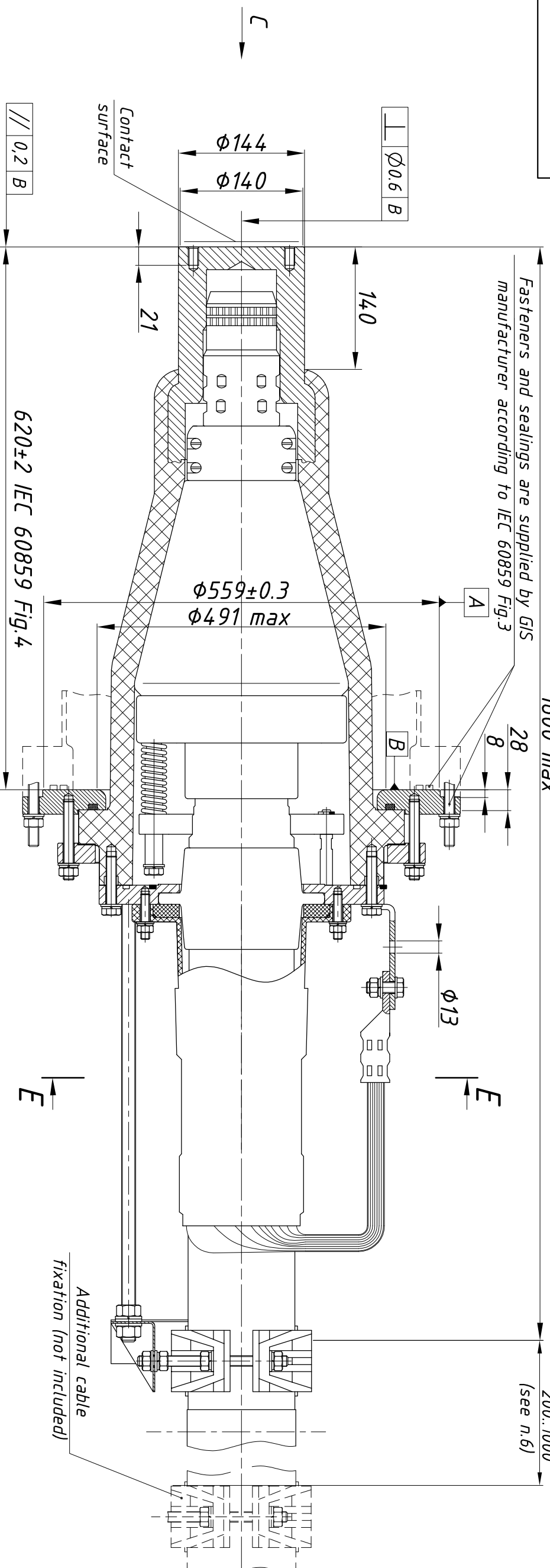


D-D max

Fasteners and sealings are supplied by GIS manufacturer according to IEC 60859 Fig.3

1600 max

200..1000
(see n.6)



*E-E (1:10)
HF earthing
routing scheme*

1. Dimensions and scope of supply according to IEC 60859 Fig.4 (L5=620 mm).
2. Conductor cross section range, mm sq:
Cu: 400*-2500; Al: 400*-500 (crimping), 400*-1000 (screwing), 1200-2500 (welding).
*Exact value depends on XLPE insulation thickness.
3. Prepared insulation diameter range: 64-112 mm.
4. Maximal cable overall diameter - 120 mm.
5. In case if screen cross section exceeds 185 mm sq, screen wires have to be divided into 2 approximately same bundles. Each bundle has to be routed symmetrically to a separate earthing angle.
6. Cable has to be additionally fixed on metal framework at least once leaving 200..1000 from the existing cable holder toward uncut cable. Fixation shall be performed coaxially with GIS interface leaving at least 100 mm air gap between cable holder and other grounded metal parts. Kit for additional fixation is not included to the scope of supply.
7. If possible HF earthings have to be connected to GIS flange directly. Otherwise connect to M12 holes at $\phi 4.75$ as shown on section E-E. HF earthing wires with kits of fasteners (M12) are included to the scope of supply.
8. Maximum system voltage $U_m = 252$ kV.

								AKS.331.100.000 SV
Chan Sheet	Document #	Signature	Date					MBB 245/252 IEC 60859 GIS sealing end
Develop	Khoroshilov A.		02.03.20					
Check	Terekhov E.		02.03.20					
Approve	Kintyukhin D.		02.03.20					Simple view
								Arkasil SK LLC