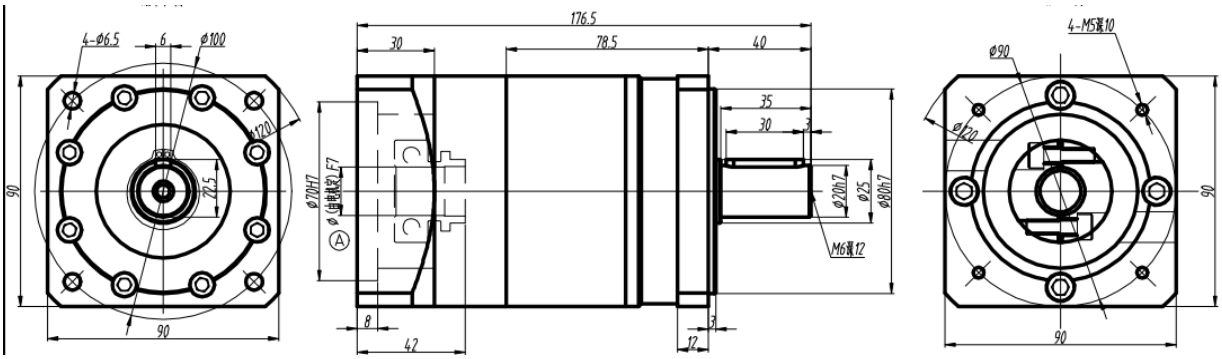
AE-090 Planetary reducers

Two stage dimensional drawing

AE-090-( )-S2



Motor size:Ø( )x35/Ø70x3/4-Ø5.5-φ90 Input shaft diameter: 19mm
Output shaft diameter: 20mm

Model	Ratio	Moment of inertia Kgcm ²	Rated output torque TN(Nm)
AE-090-12-S2	12:1	0.4	96
AE-090-15-S2	15:1	0.4	96
AE-090-16-S2	16:1	0.309	96
AE-090-20-S2	20:1	0.291	96
AE-090-25-S2	25:1	0.291	105.5
AE-090-28-S2	28:1	0.285	96
AE-090-35-S2	35:1	0.285	105.5
AE-090-40-S2	40:1	0.283	96
AE-090-50-S2	50:1	0.283	105.5
AE-090-70-S2	70:1	0.283	71.5

Rated output torque	TN Nm
Fault stop torque	2TN Nm (2 times the rated output torque)
Rated input speed	3000min^{-1}
Maximum input speed	6000min^{-1}
Average life span	20000h
Weight	3.8KG
Torsional rigidity	14 Nm/arcmin
Backlash	≤12 arcmin
Maximum output radial force	Fr=1270n (according to the rated service life, the output speed is 50RPM, and 1/2 of the length of the output shaft is the stress point)
Maximum output axial force	Fa=1100n (according to the rated service life, the output speed is 50RPM, and 1/2 of the output shaft length is the stress point)
Output shaft key standard	Round head ordinary flat key (type A)GB1096-79