

Unitised Disc pack of 6 Hole Construction

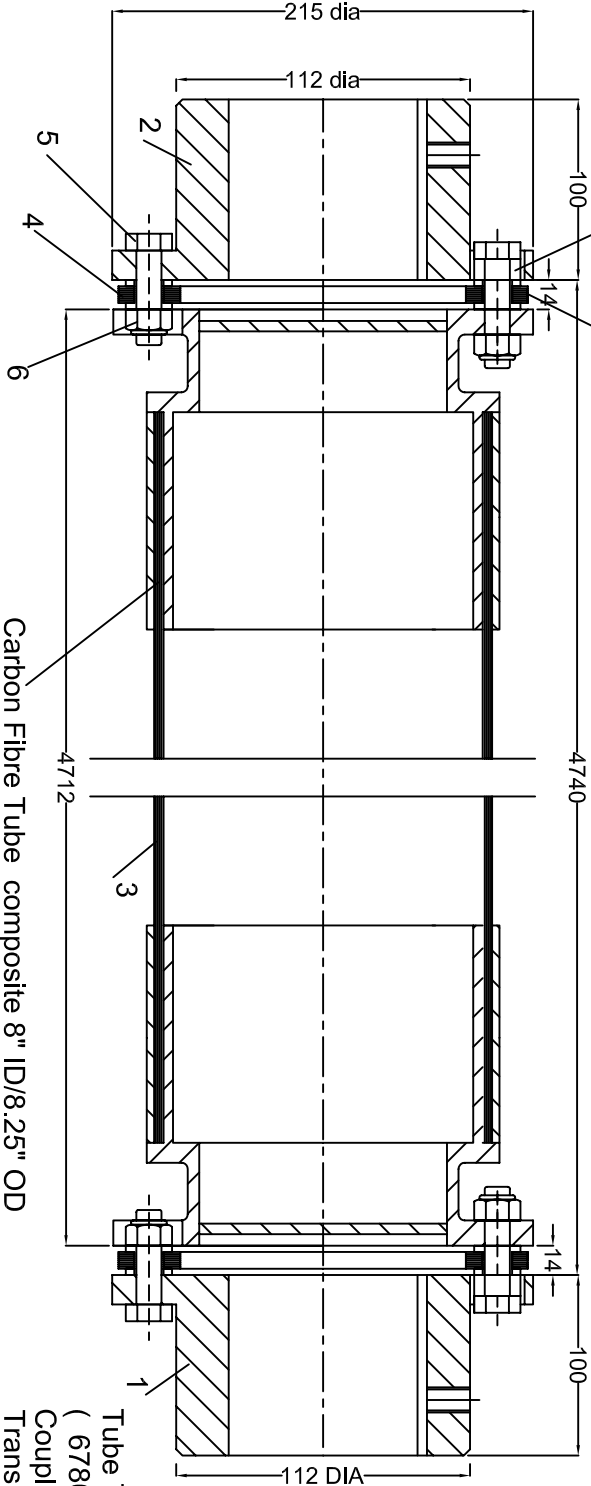
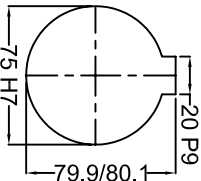
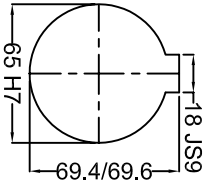


Table A

1	1st Critical Speed	2370 RPM
2	Rated Torque	0.578 KNm
3	Max Torque for which coupling designed	3.9 KNm
4	Mass	60 Kg
5	Inertia MR ²	0.4
6	Torsional Stiffness	48 KNm/Rad
7	Scrub Screw	SS 304 , M12
8	Dynamic Balancing	Hub & Spacer Dynamically balanced Gr 2.5 ISO 1940
9	Misalignment Maximum Axial Deflection	3 mm
10	Max Angular Deflection	0.5 Deg

Tube Torque Rating 60000 Lb.in
(6780 Nm)
Coupling Nominal torque rating 3990 Nm
Transmitted Torque 578 Nm

Item No	Description	Material	Quantity
1	Hub Motor	SS 304	1
2	Hub Gearbox	SS 304	1
3	Shaft	Tube - Composite Carbon Fibre Flanges - SS 304	1
4	Disc pack	SS 301	2
5	Bolts M16	SS 304	12
6	Nuts M16	SS 304	12
7	Bush	SS 304	6



Duty 90 KW 1500 RPM CT FAN DRIVE

Weight of Tubular spacer inclusive of Flanges 38 Kg

Total Assembly Weight 60 Kg Appx

MR² = 0.40 KgM², GD² = 1.6 KgM²

REV 1 - GAIL comments
incorporated
ashjain 131010

Unique Transmission (India) Pvt Ltd
Metaflex Coupling 80SN300 with
Carbon Fibre Composite Tubular shaft
Drawn ashjain 270110 Drg No SN300-CF-8 REV 1