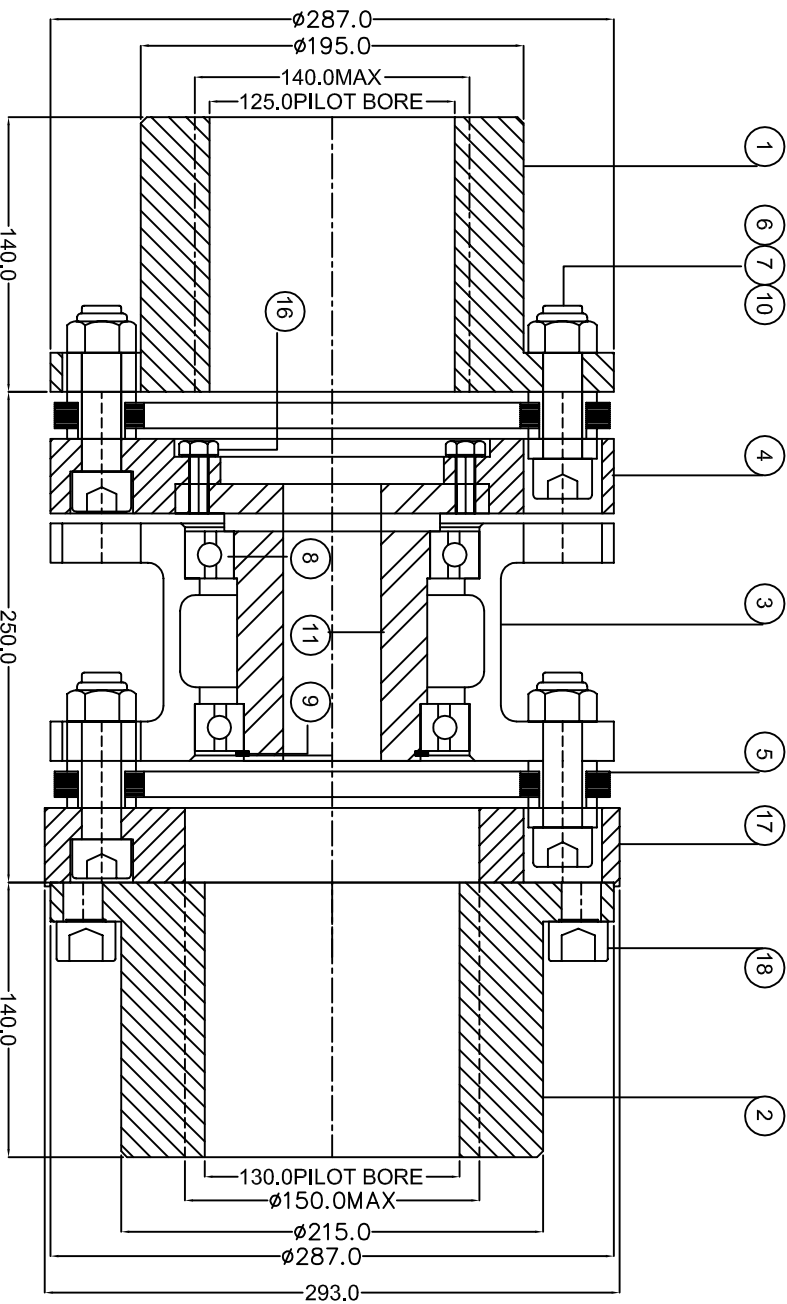




Item No	Description	Material	Qty
1	Hub Driving	Class 4 IS 2004	1
2	Hub Driven	Class 4 IS 2004	1
3	Spacer Reel	Class 4 IS 2004	1
4	Shear Ring	Class 4 IS 2004	1
5	Disc pack	Disc SS301	2
6	Bolt	Washer C45	
7	Lock Nut	Gr 10.9 IS 1367	16
8	Bearing	Gr 8 IS 7002	16
9	Bearing Retainer	Standard	2
10	Overload Bush	Standard	1
11	Bearing Stub	C45 IS 1570	16
12	Breaker Pin	Class 4 IS 2004	1
13	Bush	EN 24 BS 970	4
14	Washer	C45 IS 1570	8
15	Nut	C45 IS 1570	8
16	Bolts	Gr 8 IS 7002	8
17	Spacer Plater	Gr 10.9 IS 1367	8
18	Bolts	Class 4/ IS 2004	1
		Gr 12.9 IS 1367	4

Disc pack details:
OD 283 mm, ID 187 mm, 8 holes Ø20 @ 235 pod
Pack thickness excluding washers: 14 mm
Pack Thickness including washers: 24 mm

HP/100 RPM = 270 , Nominal Torque 19230 Nm , Peak Torque 38460 NM
Max Momentary Torque 67300 Nm
Shear Pin Breaking Torque 18940 Nm (1.75° Full Load torque)
Max Bore Capacity 160 mm
Weight 125 Kg , MR²/2 = 1.60 KgM²
Max Misalignment - Axial 3.00 mm cont , 4.80 mm Transient
Torsional Stiffness - 8.0 MNm/Rad based on 1/3rd Shaft Penetration
Radial 1.5 mm , Angular 0.5 deg/pack
Duty - 1700 KW 1500 RPM Turboalternator Drive
Gearbox Shaft Dia 140 mm , Alternator Shaft Dia 150 mm
Max Operating Speed 1725 RPM
Max Power 1955 KW
Kessel Data Sheet No 126-DS-CPL-01 R1
Low Speed Coupling 1.5 MW 1500 RPM

UNIQUE TRANSMISSION (I) P.LTD

METAFLEX 80Q/450/250 SHEAR PIN

SCALE: NTS

DRAWING NO: FQ45037_PIN

SHEET: 1/2

DATE: 17/03/04

REV: 0

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