



AN ISO 9001 : 2015  
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**BONNA-FLEX®**

# NYLON GEAR COUPLINGS



- Features :
- Easy and effortless assembly
  - Contains high grade Nylon to connect gear hubs
  - Low weight and Compact in Design
  - Requires no lubrication
  - Applies to broad range of application for machinery and hydraulics
  - Easily accommodate for axial and angular misalignment
  - Low noise operation

With our expertise in the field, we manufacture and supply superior quality product – Nylon Gear Coupling. The products at Bonnaflex are manufactured with high quality materials and advanced machines. We offer variety of specifications to fulfil customer requirements. We assure to supply quality- approved products at your doorstep stipulated timeline.

Manufacturer & Exporter :

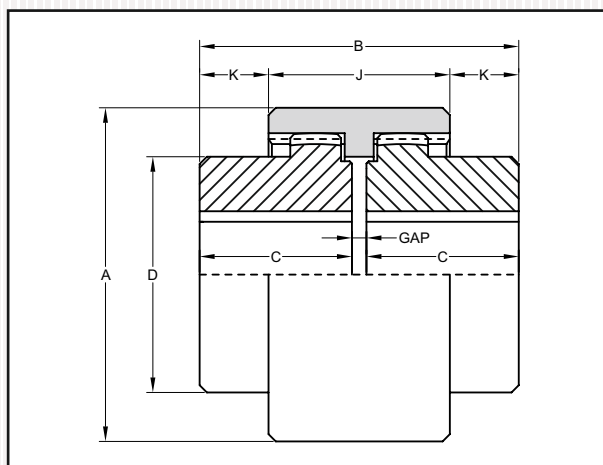
**BONNA-FLEX Industries Private Limited**





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| Size           | Torque Rating (Nm) | Allow Speed RPM | Max Bore (mm) | Min Bore (mm) | Dimensions (Millimeters) |     |    |    |    |      |     |
|----------------|--------------------|-----------------|---------------|---------------|--------------------------|-----|----|----|----|------|-----|
|                |                    |                 |               |               | A                        | B   | C  | D  | J  | K    | GAP |
| <b>M19-24T</b> | 30                 | 11,800          | 19            | 8             | 48                       | 54  | 25 | 32 | 37 | 8.5  | 4   |
| <b>M28-34T</b> | 69                 | 8,500           | 28            | 10            | 66                       | 84  | 40 | 45 | 46 | 19.0 | 4   |
| <b>M38-44T</b> | 127                | 6,700           | 38            | 14            | 83                       | 84  | 40 | 58 | 48 | 18.0 | 4   |
| <b>M48-50T</b> | 202                | 5,600           | 48            | 20            | 100                      | 104 | 50 | 68 | 50 | 27.0 | 4   |
| <b>M65-54T</b> | 436                | 4,000           | 65            | 25            | 140                      | 144 | 70 | 96 | 72 | 36.0 | 4   |

For various applications refer our selection guide for Bonnaflex Nylon Gear Coupling.  
Details required for selection are :

Interface Information, Diameters of coupling shafts, Distance between connecting shafts  
Drive RPM, Driving Power

Firstly calculate torque for coupling by given formula,

Torque (N-m) = ————— x service factor ; where, P = Power in kW  
N = Shaft RPM

Torque (lb<sub>f</sub>-ft) = ————— x service factor ; where, P = Power in hp  
N = Shaft RPM

Service Factor :

|                                          |     |
|------------------------------------------|-----|
| Even Load (8 hr/day) Low torque starting | 1.0 |
| Uneven Load (8hr/day) Moderate Shock     | 1.5 |
| Heavy Shock (8hr/day) Full load Starting | 2.0 |

| Coupling Size | Ele. Motor Frame Size | 3000 RPM (2 Pole) |      | 1500 RPM (4 Pole) |      | 1000 RPM (6 Pole) |      | 750 RPM (8 Pole) |      | Torque Rating (Nm) | Peak Torque Rating (Nm) | Max RPM | Weight kg |
|---------------|-----------------------|-------------------|------|-------------------|------|-------------------|------|------------------|------|--------------------|-------------------------|---------|-----------|
|               |                       | kW                | hp   | kW                | hp   | kW                | hp   | kW               | hp   |                    |                         |         |           |
| 19            | Upto 80               | 0.75              | 1.1  | 0.55              | 0.75 | 0.37              | 0.55 | -                | -    | 3.5                | 7                       | 3000    | 0.35      |
| 28            | 90S - 112M            | 4.0               | 5.36 | 4.0               | 5.36 | 2.2               | 3.0  | 1.5              | 2.0  | 25.5               | 51                      | 3000    | 1.05      |
| 38            | 132S - 132M           | 5.5               | 7.5  | 7.5               | 10.0 | 4.0               | 5.36 | 3.0              | 4.0  | 47.8               | 96                      | 3000    | 1.8       |
| 48            | 180M - 180L           | 22.0              | 30.0 | 22.0              | 30.0 | 15.0              | 20.0 | 11.0             | 14.7 | 140                | 280                     | 3000    | 3.2       |
| 65            | 225S - 250M           | 55.0              | 75.0 | 55.0              | 75.0 | 37.0              | 50.0 | 30.0             | 40.0 | 350                | 700                     | 3000    | 8.9       |

For Torque in kg-m follow this : torque (kg-m) = 0.102 x torque (N-m)