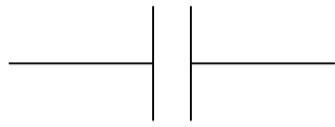
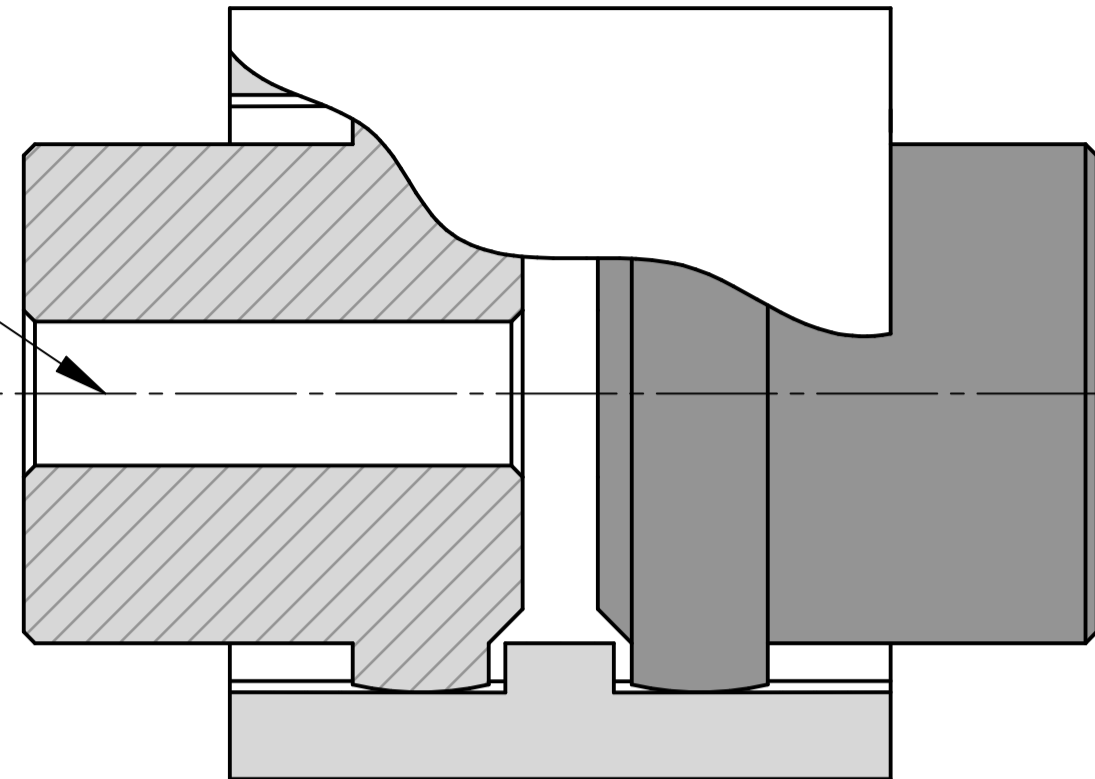


FLUID POWER SYMBOL



PILOT BORE



Application

Nylon couplings are compact and can operate over a wide temperature range at speeds up to 5,000 RPM and are effectively used in applications such as Motor/ Generator sets, pump sets, and many light-to-medium duty industrial coupling applications.

The resilient nature of the nylon material makes the contact of the hubs and sleeves almost frictionless. Since no lubrication is used, the coupling can readily be adapted to many applications including vertical and blind installations where the slip-together components offer easy inspection and adjustment.

The smooth and hard surface (crystalline structure) and the high

thermal stability and resistance to lubricants, fuels, hydraulic fluids, dissolvents etc. make polyamide an ideal material for components stressed by sliding, particularly for the coupling production.

Features

Operationally, the coupling offers a minimum backlash solution that will operate in ambient temperature environments from -20° to 65°C. Nylon Sleeve couplings have precision molded sleeves and hubs with no bolts, pins, flanges, or protrusions to affect balance or safety. The nylon sleeve permits misalignment up to ±1°. These couplings are suitable for vertical as well as horizontal

applications as they have accommodated axial, parallel, and angular shaft displacement /misalignment.

The nylon gear couplings come with an easy to assemble and simple to install axial plug. These low inertia-high efficiency offering couplings are light weight and compact in size. The combination of nylon and steel make them low maintenance and anti-abrasive in nature. With constant torque and well-aligned shafts, Tucson nylon gear couplings can be used up to the maximum torque.

Specifications

Figures based on: Oil Temp = 40°C Viscosity = 40 cSt

| | M19 | M28 | M38 | M48 |
|--|------------------------|------|------|------|
| Nom. Capacity (kW/10 ³ rpm) | 3.3 | 9.4 | 16.8 | 28.5 |
| Nom. Torque (Nm) | 15 | 45 | 80 | 140 |
| IP44 Motor Frame | 80 | 112 | 132 | 160 |
| Max. Speed (rpm) | 11800 | 8500 | 6700 | 5600 |
| Max. Axial Displ. (mm) | 0.4 | 0.5 | 0.7 | 1.0 |
| Max. Angular Displ. | ±1° | ±1° | ±1° | ±1° |
| Weight (Kg) | 0.35 | 0.90 | 1.80 | 2.50 |
| Gear Material | Zinc plated Mild Steel | | | |
| Sleeve Material | Nylon | | | |
| Operating Temp | -40°C to +65°C | | | |

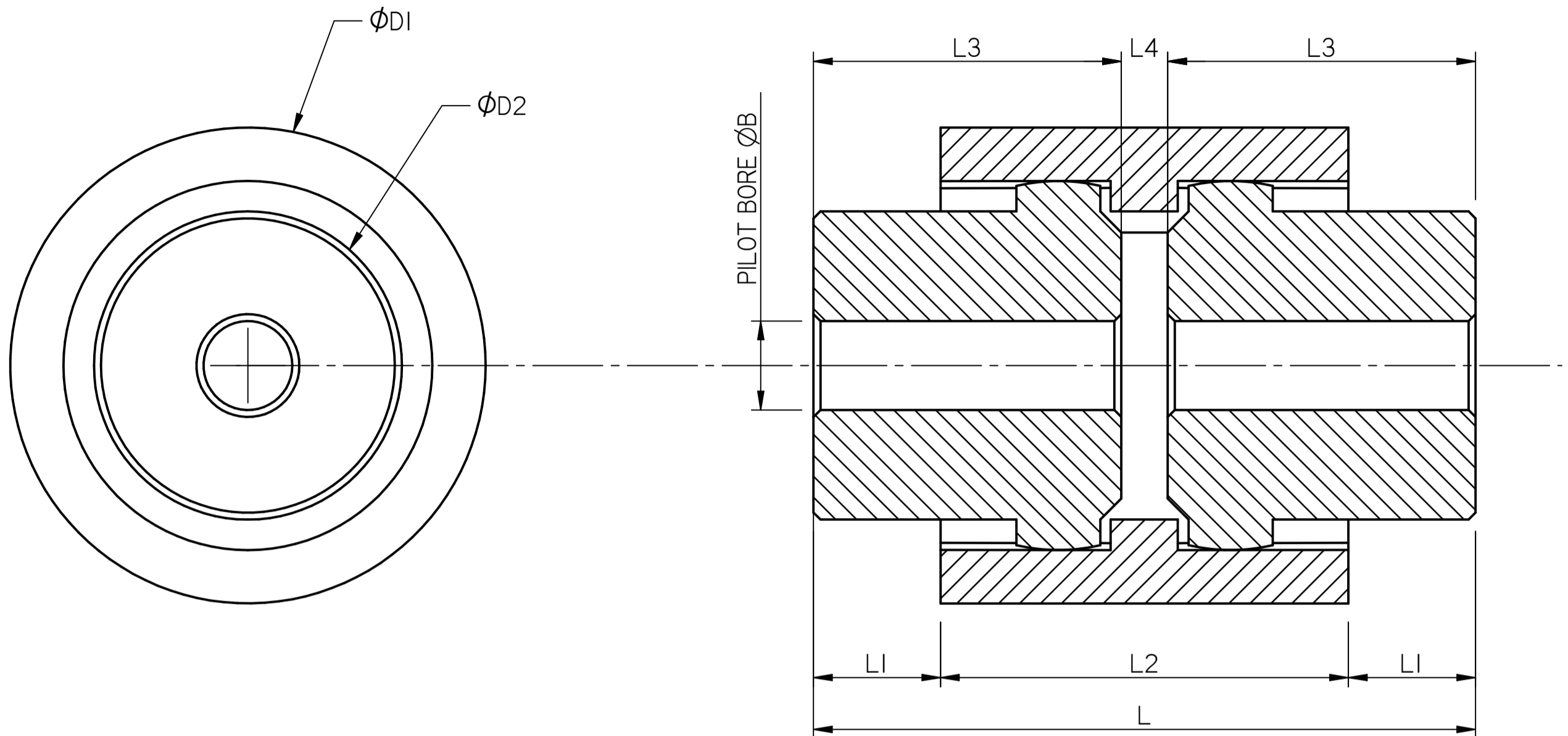


3D ISOMETRIC VIEW

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

COMPLETE VALVE VARIOUS BSP PORTS

BASIC CODE: M**



| Basic Code | Sleeve | Size | D1 | D2 | L | L1 | L2 | L3 | L4 | ϕB | Teeth |
|------------|--------|--------|-----|----|-----|-----|----|----|----|----------|-------|
| M19 | SMI9 | 19/48 | 48 | 32 | 54 | 8.5 | 37 | 9 | 8 | 6.7 | 24 |
| M28 | SM28 | 28/66 | 66 | 44 | 84 | 18 | 46 | 12 | 19 | 12.7 | 34 |
| M38 | SM38 | 38/83 | 83 | 58 | 84 | 18 | 48 | 12 | 18 | 15 | 44 |
| M48 | SM48 | 48/100 | 100 | 68 | 104 | 27 | 50 | 12 | 27 | 15 | 50 |

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.