



EXPERTISE DRIVEN | CUSTOMER FOCUSED | SUSTAINABLE THINKERS

# Data Sheets

## Pin & Bush Couplings - EPB



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ESCO EPB Series coupling's assembly is made of two flanges interlocked with number of Pin & Bush flexible elements based on coupling size.

Conical rubber bush mounted on steel pins are unique flexible elements and take high shaft misalignments. Hubs are made of cast iron.

Pin bush couplings are suitable for general industrial application.

## FEATURES

### SIMPLICITY

EPB series couplings are easy to assemble and disassemble on machinery shafts. The couplings are also suitable for Independent running of the drive.

### NO LUBRICATION.

EPB coupling do not require lubrication of any kind whatsoever.

### SHOCK & VIBRATION ABSORPTION

EPB coupling has good shock absorption capacity due to construction being cushioned drive type transmitting the torque through rubber bushes.

### SIZE AND COST

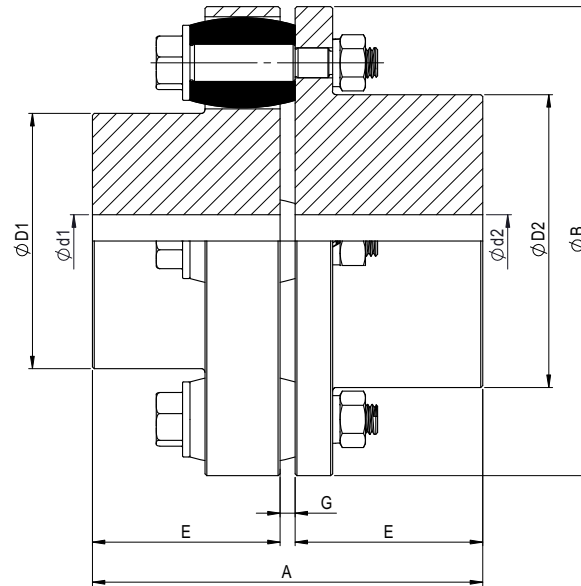
High torque capacity for compact size and low weight.

### EASY MAINTENANCE.

No complicated mechanism to demand adjustment or maintenance. Inspection and replacement of bushes are easy and can be quickly fitted without dismantling or moving either of coupled shafts.

### LOW OPERATIONAL COST.

In EPB Series coupling, wear part is the curved shaped bush, cost of bush coupling is reliable and economical in the long run.



### TECHNICAL DATA

| Coupling Size | Torque, Nm | Max. speed rpm | Min. Bore | Max. Bore Ød1 | Max. Bore Ød2 | ØB  | ØD1 | ØD2 | G    | E   | A   | Wt. in kg | M.I (WR) in Kg m <sup>2</sup> | Max. Misalignment |     |    |
|---------------|------------|----------------|-----------|---------------|---------------|-----|-----|-----|------|-----|-----|-----------|-------------------------------|-------------------|-----|----|
|               |            |                |           |               |               |     |     |     |      |     |     |           |                               | ΔKa               | ΔKr | ∠  |
| EPB-105       | 95         | 7200           | 11        | 30            | 32            | 105 | 48  | 50  | 2-6  | 45  | 94  | 2.6       | 0.0027                        | 2                 | 0.3 | 1° |
| EPB-116       | 143        | 6100           | 12        | 39            | 42            | 116 | 60  | 68  | 2-6  | 45  | 94  | 3.6       | 0.0045                        | 2                 | 0.3 | 1° |
| EPB-125       | 162        | 5500           | 14        | 45            | 50            | 125 | 68  | 78  | 2-6  | 50  | 104 | 4.6       | 0.007                         | 2                 | 0.4 | 1° |
| EPB-144       | 315        | 4900           | 18        | 50            | 60            | 144 | 82  | 91  | 2-6  | 55  | 114 | 6.6       | 0.01                          | 2                 | 0.4 | 1° |
| EPB-162       | 525        | 4500           | 22        | 60            | 65            | 162 | 89  | 100 | 2-6  | 60  | 124 | 9.4       | 0.02                          | 2                 | 0.4 | 1° |
| EPB-178       | 640        | 3800           | 24        | 70            | 75            | 178 | 105 | 115 | 2-6  | 70  | 144 | 13.4      | 0.04                          | 2                 | 0.5 | 1° |
| EPB-198       | 1241       | 3400           | 28        | 80            | 90            | 198 | 124 | 135 | 2-6  | 80  | 164 | 19        | 0.06                          | 2                 | 0.5 | 1° |
| EPB-228       | 2005       | 3000           | 28        | 90            | 100           | 228 | 133 | 146 | 4-10 | 90  | 187 | 27.9      | 0.13                          | 3                 | 0.6 | 1° |
| EPB-252       | 3056       | 2700           | 38        | 105           | 115           | 252 | 156 | 167 | 4-10 | 100 | 207 | 38        | 0.21                          | 3                 | 0.6 | 1° |
| EPB-285       | 4584       | 2400           | 48        | 115           | 125           | 285 | 170 | 186 | 4-10 | 110 | 227 | 53        | 0.36                          | 3                 | 0.7 | 1° |
| EPB-320       | 6112       | 2100           | 55        | 125           | 135           | 320 | 196 | 212 | 4-10 | 125 | 257 | 74.8      | 0.65                          | 3                 | 0.7 | 1° |
| EPB-360       | 8881       | 1900           | 65        | 135           | 150           | 360 | 212 | 232 | 4-12 | 140 | 288 | 105.9     | 1.16                          | 4                 | 0.9 | 1° |

### NOTES :-

- ΔKa : Axial misalignment. ΔKr : Radial misalignment. ∠ : Angular misalignment.
- All dimensions are in mm.
- Weight and inertia are at minimum bore diameter.

# Other coupling types available

Escogear CST / CST...M



Escogear FST



Escodisc DLC / DMU / DPU



Escogear NST



Escoflex A-R-S-T  
Esconyl A-B-C



Escorail FTRN /FTRNO



Escospeed DHSU - GHS



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