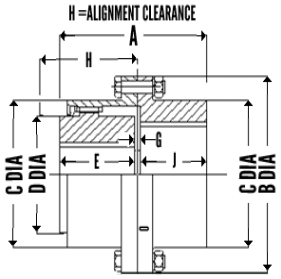
UNIQUE SLEEVE GEAR COUPLINGS

# SIZE SG420

- Curved teeth for reduced wear
- Piloted on tooth OD for better Dynamic Balance
- Compact
- Higher Bore Capacity
- Higher ratings

## GENERAL ASSEMBLY DRAWING




## DIMENSIONS AND STANDARD SIZES

| Size | HP/100 *RPM* | Nominal Torque *Nm* | Peak Torque *Nm* | Max Speed *RPM* | Max Bore Gear *mm* | Max Bore rigid *mm* | A *mm* | B Dia *mm* | C Dia *mm* | D Dia *mm* | E *mm* | G *mm* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SG 115 | 10 | 710 | 1420 | 10000 | 42 | 60 | 87 | 115 | 85 | 60 | 42 | 3 |
| SG 150 | 24 | 1710 | 3420 | 7400 | 55 | 75 | 103 | 150 | 106 | 78 | 50 | 3 |
| SG 180 | 50 | 3560 | 5800 | 5900 | 70 | 90 | 127 | 180 | 132 | 100 | 62 | 3 |
| SG 195 | 65 | 4630 | 7730 | 5600 | 80 | 100 | 155 | 195 | 145 | 113 | 75 | 5 |
| SG 210 | 90 | 6410 | 10700 | 5000 | 90 | 110 | 165 | 210 | 160 | 126 | 80 | 5 |
| SG 240 | 150 | 10685 | 16400 | 4300 | 100 | 125 | 185 | 240 | 180 | 140 | 90 | 5 |
| SG 250 | 185 | 13180 | 21100 | 4300 | 110 | 140 | 185 | 250 | 192 | 155 | 90 | 5 |
| SG 290 | 230 | 16380 | 25200 | 3900 | 125 | 150 | 226 | 290 | 212 | 170 | 110 | 6 |
| SG 320 | 428 | 30500 | 45750 | 3500 | 140 | 160 | 246 | 320 | 240 | 190 | 120 | 6 |
| SG 350 | 587 | 41800 | 62700 | 3200 | 165 | 185 | 278 | 350 | 270 | 216 | 135 | 8 |
| SG 390 | 793 | 56500 | 84750 | 2900 | 180 | 205 | 318 | 390 | 295 | 240 | 155 | 8 |
| SG 420 | 1032 | 73500 | 116000 | 2700 | 200 | 230 | 348 | 420 | 325 | 265 | 170 | 8 |

Mass and In ertia MR^2 are at pilot bore. Limited End Float , Extra end Float on request . Dimension H is alignment Clearance..



Head Office: Mercantile Buildings, 10/1D, Lal Bazar Street,
3rd Floor, Kolkata – 700001, INDIA.
Phone : +91 33 22200366 / 2248 0231 / 0433
sales@uniquecouplings.com | www.uniquecouplings.com

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# SIZE SG420

## ENGINEERING DATA

| Size | Pilot Bore | H | J | Whight | MR^2 | Max Misalignment | | | Grease required | Bolt Torque |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Parallel | Angular | Axial | | |
| | *mm* | *mm* | *mm* | *Kg* | *Kg.m^2* | *mm* | *mm* | *+- mm* | *Kg* | *Nm* |
| SG 115 | 15 | 53 | 39 | 0.4 | 0.006 | 1.1 | 1.5 | 3 | 0.03 | 0.9 |
| SG 150 | 15 | 60 | 47 | 8.6 | 0.019 | 1.3 | 1.5 | 3 | 0.06 | 40 |
| SG 180 | 20 | 75 | 57 | 15.5 | 0.043 | 1.7 | 1.5 | 3 | 0.08 | 70 |
| SG 195 | 20 | 75 | 57 | 0.19 | 0.062 | 1.7 | 1.5 | 3 | 00.1 | 70 |
| SG210 | 30 | 90 | 74 | 24.5 | 000.1 | 2.1 | 1.5 | 5 | 0.15 | 70 |
| SG 240 | 40 | 103 | 85 | 0.36 | 0.192 | 2.4 | 1.5 | 5 | 0.23 | 180 |
| SG 250 | 40 | 103 | 85 | 0.42 | 00.25 | 2.4 | 1.5 | 5 | 0.24 | 180 |
| SG 290 | 50 | 119 | 98 | 0.59 | 0.435 | 0.3 | 1.5 | 6 | 0.26 | 360 |
| SG 320 | 50 | 152 | 113 | 0.84 | 000.9 | 0.4 | 1.5 | 6 | 0.45 | 350 |
| SG 350 | 50 | 180 | 127 | 116 | 01.41 | 4.5 | 1.5 | 8 | 00.8 | 350 |
| SG 390 | 60 | 192 | 146 | 170 | 002.7 | 0.5 | 1.5 | 8 | 01.1 | 600 |
| SG 420 | 75 | 210 | 155 | 220 | 000.4 | 5.5 | 1.5 | 8 | 01.5 | 600 |

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