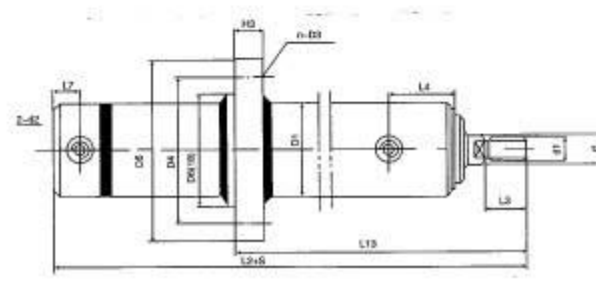
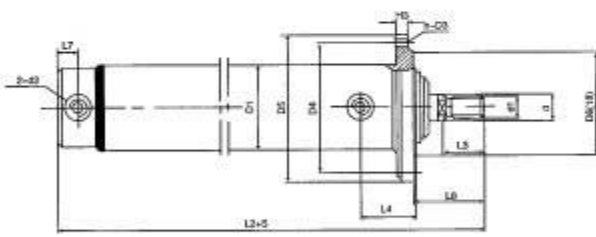
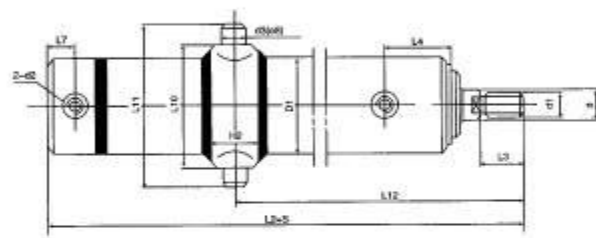
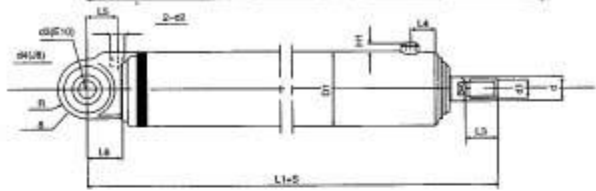
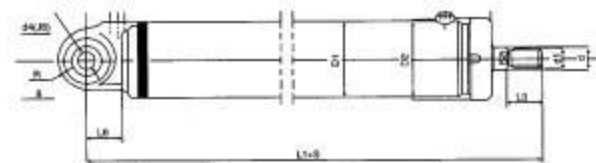


HSG 01 Series of Hydraulic Cylinders

Performance parameters:

| Type | Nominal pressure (MPa) | Cylinder diameter D(mm) | Speed ratio | | | | | | Minimum stroke of non-Connection of the hinge axis and the flange (mm) |
|--------------|------------------------|-------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--|
| | | | 1.33 | | 1.46 | | 2 | | |
| | | | Rod diameter d(mm) | Maximum stroke s(mm) | Rod diameter d(mm) | Maximum stroke s(mm) | Rod diameter d(mm) | Maximum stroke s(mm) | |
| HSG01-40/dE | 16 | 40 | 20 | 1000 | 22 | 1000 | 25 | 1000 | |
| HSG01-50/dE | | 50 | 25 | 1000 | 28 | 1000 | 32 | 1000 | |
| HSG01-63/dE | | 63 | 32 | 2000 | 35 | 2000 | 45 | 2000 | |
| HSG01-80/dE | | 80 | 40 | 2000 | 45 | 3000 | 55 | 3000 | |
| HSG01-80/dE | | 80 | 40 | 3000 | 45 | 3000 | / | / | 30 |
| HSG01-90/dE | | 90 | 45 | 3000 | 50 | 3000 | 63 | 3000 | 40 |
| HSG01-100/dE | | 100 | 50 | 3000 | 56 | 3000 | 70 | 3000 | 40 |
| HSG01-110/dE | | 110 | 55 | 3000 | 63 | 3000 | 80 | 3000 | 45 |
| HSG01-125/dE | | 125 | 63 | 3000 | 70 | 3000 | 90 | 3000 | 45 |
| HSG01-140/dE | | 140 | 70 | 3000 | 80 | 3000 | 100 | 3000 | 50 |
| HSG01-150/dE | | 150 | 75 | 3000 | 85 | 3000 | 105 | 3000 | 55 |
| HSG01-160/dE | | 160 | 80 | 3000 | 90 | 3000 | 110 | 3000 | 45 |
| HSG01-180/dE | | 180 | 90 | 3000 | 100 | 3000 | 125 | 3000 | 45 |
| HSG01-200/dE | | 200 | 100 | 3000 | 110 | 3000 | 140 | 3000 | 50 |
| HSG01-220/dE | | 220 | 110 | 3000 | 125 | 3000 | 160 | 3000 | 50 |
| HSG01-250/dE | | 250 | 125 | 3000 | 140 | 3000 | 180 | 3000 | 60 |

Connection type and outer shape:



Mounting dimensions table of the Piston rod end is the earrings connection of the head of the external thread:

| | | | | | | | | | | | | | | | | | |
|---------------------|-------------|-------------|-------------|-----------|------------------|---------------------|---------------------|---------------------|--------------|---------------------|---------------------|--------------|--------------|--------------|--------------|--------------|-----|
| Cylinder diameter D | | 40 | 50 | 63 | 80 | 90 | 100 | 110 | 125 | 140 | 150 | 160 | 180 | 200 | 220 | 250 | |
| D1 | | 57 | 68 | 83 | 102 | 114 | 127 | 140 | 152 | 168 | 180 | 194 | 219 | 245 | 273 | 299 | |
| d | Speed ratio | 1.33 | 20 | 25 | 32 | 40 | 45 | 50 | 55 | 63 | 70 | 75 | 80 | 90 | 100 | 110 | 125 |
| | | 1.46 | 22 | 28 | 35 | 45 | 50 | 55 | 63 | 70 | 80 | 85 | 90 | 100 | 110 | 125 | 140 |
| | | 2 | △25 | △32 | 45 | 55 | 63 | 70 | 80 | 90 | 100 | 105 | 110 | 125 | 140 | 160 | 180 |
| d3 | | 20 | 30 | | 40 | | 50 | | | 60 | | | 70 | 80 | 90 | 100 | |
| d4 | | 35 | 47 | | 62 | | 75 | | | 90 | | | 105 | 120 | 130 | 150 | |
| R | | 25 | 35 | | 45 | | 60 | | | 70 | | | 80 | 90 | 105 | 120 | |
| | | | | | | | | | | | | | | | 100 | 110 | |
| L6 | | 30 | 40 | | 50 | | 65 | | | 75 | | | 85 | 95 | 105 | 150 | |
| d1 | | M16 ×1.5 | M22 ×1.5 | M27 ×2 | M33 ×2 | M42 ×2 | M42 ×2 | M48 ×2 | M48 ×2 | M48 ×2 | M64 ×2 | M64 ×3 | M80 ×3 | M80 ×3 | M100 ×3 | M100 ×3 | |
| L3 | | 30 | 35 | 40 | 45 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 95 | 105 | 115 | |
| L5 | | 30 | 40 | | 50 | | 60 | | | 70 | | | 82 | 90 | 110 | 122 | |
| L4 | | 65 | | | 75 | 66 ▲76 | 70 ▲80 | 75 ▲ 85 | 78 | 85 ▲ 95 | 90 ▲ 100 | 100 | 107 | 112 | 120 | 135 | |
| L1+S | | 253+S | 278+S | 295+S | 347+S | 305+S ▲ 325+S | 340+S ▲ 360+S | 360+S ▲ 380+S | 370+S | 405+S ▲ 425+S | 420+S ▲ 440+S | 435+S | 480+S | 510+S | 560+S | 614+S | |
| 2-d2 | | M18×1.5 | | | M22×1.5 | | M27×2 | | | M33×2 | | | M42×2 | | | | |
| H1 | | 15 | | | 18 | | 20 | | | 22 | | | 24 | | | | |
| D2 | | 65 | 75 | 90 | 110 | | | | | | | | | | | | |
| L10 | | | | | 125 | 140 | 155 | 170 | 185 | 205 | 220 | 240 | 270 | 300 | 320 | 350 | |
| L11 | | | | | 185 | 200 | 230 | 245 | 260 | 295 | 310 | 330 | 375 | 420 | 455 | 500 | |
| H2 | | | | | 75 | | 90 | | | 105 | | | 120 | 135 | 145 | 155 | |
| L2+S | | | | | 275+S | 280+S ▲ 300+S | 310+S ▲ 330+S | 330+S ▲ 350+S | 340+S | 370+S ▲ 390+S | 385+S ▲ 405+S | 400+S | 440+S | 460+S | 503+S | 547+S | |
| L7 | | | | | 25 | | 30 | | | 35 | | | 42 | 40 | 53 | 55 | |
| D6(f8) | | | | | 115 | 130 | 145 | 160 | 175 | 190 | 205 | 225 | 250 | 280 | 305 | 330 | |
| D4 | | | | | 145 | 160 | 180 | 195 | 210 | 225 | 245 | 265 | 290 | 325 | 355 | 390 | |
| D5 | | | | | 175 | 190 | 210 | 225 | 240 | 260 | 285 | 305 | 330 | 370 | 405 | 450 | |
| H3 | | | | | 20 | | 22 | | | 24 | 26 | 28 | 30 | 32 | 34 | 36 | |
| L8 | | | | | 81 | 82 ▲98 | 88 ▲98 | 95 ▲ 105 | 98 | 108 ▲ 118 | 114 ▲ 124 | 109 105 | 130 | 143 118 | 156 124 | 171 | |
| N-D3 | | | | | 8 - φ 13.5 | 8 - φ 18 | 8 - φ 13.5 | 10 - φ 18 | 10 - φ 18 | 10 - φ 20 | 10 - φ 22 | 10 - φ 22 | 10 - φ 24 | 10 - φ 26 | 10 - φ 29 | 12 - φ 32 | |
| L12 | | | | | > 215 | > 225 | > 250 | > 260 | > 225 | > 290 | > 305 | > 310 | > 455 | > 285 | > 525 | > 570 | |

| | | | | | | | | | | | | | |
|-----|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | < 160+S | < 165+S | < 170+S | < 190+S | < 200+S | < 210+S | < 225+S | < 240+S | < 365+S | < 385+S | < 415+S | < 455+S |
| L13 | | > 200 | > 210 | > 230 | > 240 | > 235 | > 265 | > 215 | > 290 | > 280 | > 340 | > 365 | > 395 |
| | | < 190+S | < 195+S | < 210+S | < 225+S | < 240+S | < 250+S | < 160+S | < 280+S | < 320+S | < 315+S | < 340+S | < 375+S |
| S1 | | 55 | 60 | 80 | 70 | 55 | 80 | 80 | 70 | 90 | 100 | 100 | 105 |