



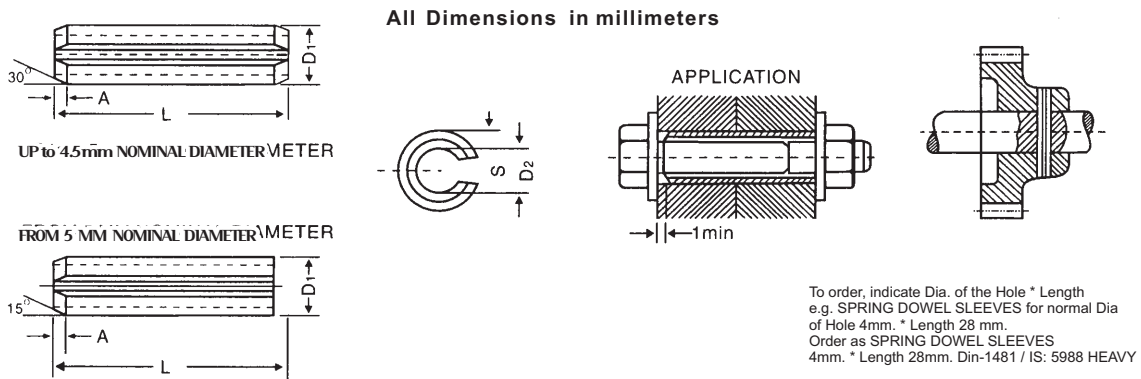
Shiv Sagar Industries

ISO 9001:2008



SPRING DOWEL SLEEVES (HEAVY SERIES)

DIN 1481
IS: 5988



SPRING DOWEL SLEEVES MAY ALSO BE USED AS SPRING DOWEL PINS (SEE APPLICATION DIAGRAM) 1)

| | | | | | | | | | | | | | | | | |
|---------------------|-----|--|--------------------|------|------|------|---------------------|------|------|----------------------|------|------|------|------|------|------|
| NOMINAL DIAMETER 1) | | | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 6.0 | 8.0 | 10.0 | 12.0 | 13.0 | | |
| S | | | 0.4 | 0.5 | 0.6 | 0.75 | 0.8 | 1.0 | 1.0 | 1.25 | 1.5 | 2.0 | 2.5 | 2.5 | | |
| A | | | 0.35 | 0.45 | 0.5 | 0.6 | 0.7 | 0.8 | 1.6 | 1.6 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| PRIOR TO FITTING | D1 | | 2.3 | 2.8 | 3.3 | 3.8 | 4.4 | 4.9 | 5.4 | 6.4 | 8.5 | 10.5 | 12.5 | 13.5 | | |
| | TOL | | +0.1 | | | +0.2 | | | | +0.3 | | | | | | |
| | D2≈ | | 1.5 | 1.8 | 2.1 | 2.3 | 2.8 | 2.9 | 3.4 | 3.9 | 5.5 | 6.5 | 7.5 | 8.5 | | |
| NOMINAL DIAMETER 1) | | | 18 | 20 | 21 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 45 | 50 | | |
| S | | | 3 | 4 | 4 | 5 | 5.5 | 6 | 6 | 7 | 7.5 | 7.5 | 8.5 | 9.5 | | |
| A | | | 2 | | | 3 | | | 4 | | | | | | | |
| PRIOR TO FITTING | D1 | | 14.5 | 16.5 | 18.5 | 20.5 | 21.5 | 25.5 | 28.5 | 30.5 | 32.5 | 35.5 | 38.5 | 40.5 | 45.5 | 50.5 |
| | TOL | | +0.3 | | 0.4 | | | | | | | | | | | |
| | D2≈ | | 9.5 | 10.5 | 11.5 | 12.5 | 13.5 | 15.5 | 17.5 | 18.5 | 20.5 | 21.5 | 23.5 | 25.5 | 28.5 | 31.5 |
| FOR BOLT SIZE | | | M8 | M10 | | M12 | M14 | M16 | | M18 | M20 | M22 | M24 | M27 | M30 | |
| L | TOL | | 4 TO 10 MM. = +0.5 | | | | 12 TO 50 MM. = +1.0 | | | 52 TO 100 MM. = +1.5 | | | | | | |

(LIGHT SERIES)

DIN 7346

| | | | | | | | | | | | | | | | | | |
|----------------------------|-----|------|--------------------|-----|------|-----|-----------------------|-----|------|------|------|-----|------|------|------|------|------|
| NOMINAL DIAMETER 1) | | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | |
| S | | 0.2 | 0.25 | 0.3 | 0.35 | 0.5 | 0.5 | 0.5 | 0.75 | 0.75 | 0.75 | 1 | 1 | 1 | 1.25 | 1.5 | |
| A | | 0.35 | 0.45 | 0.5 | 0.6 | 0.7 | 0.8 | 1.6 | 1.6 | 1.6 | 2 | 2 | 2 | 2 | 2 | 2 | |
| PRIOR TO FITTING | D1 | | 2.3 | 2.8 | 3.3 | 3.8 | 4.4 | 4.8 | 5.4 | 6.4 | 7.5 | 8.5 | 10.5 | 11.5 | 12.5 | 13.5 | 14.5 |
| | TOL | | +0.1 | | +0.2 | | | | +0.3 | | | | | | | | |
| | D2≈ | | 1.9 | 2.3 | 2.7 | 3.1 | 3.4 | 3.8 | 4.4 | 4.9 | 6 | 7 | 8.5 | 9.5 | 10.5 | 11 | 11.5 |
| FOR BOLT SIZE | | | - | - | - | - | - | M3 | - | M4 | M5 | M6 | - | M8 | - | M10 | - |
| Appropriate Washer DIN 125 | | | - | - | - | - | - | 3.2 | - | 4.3 | 5.3 | 6.4 | - | 8.4 | - | 10.5 | - |
| L | TOL | | 4 TO 10 MM. = +0.5 | | | | 11 & ABOVE = + 1.0 MM | | | | | | | | | | |

HRC = 45 To 50 HV = 442 TO 512 kg/mm²