

ZERO-MAX

Keyless Shaft Bushings Posi-Lok®

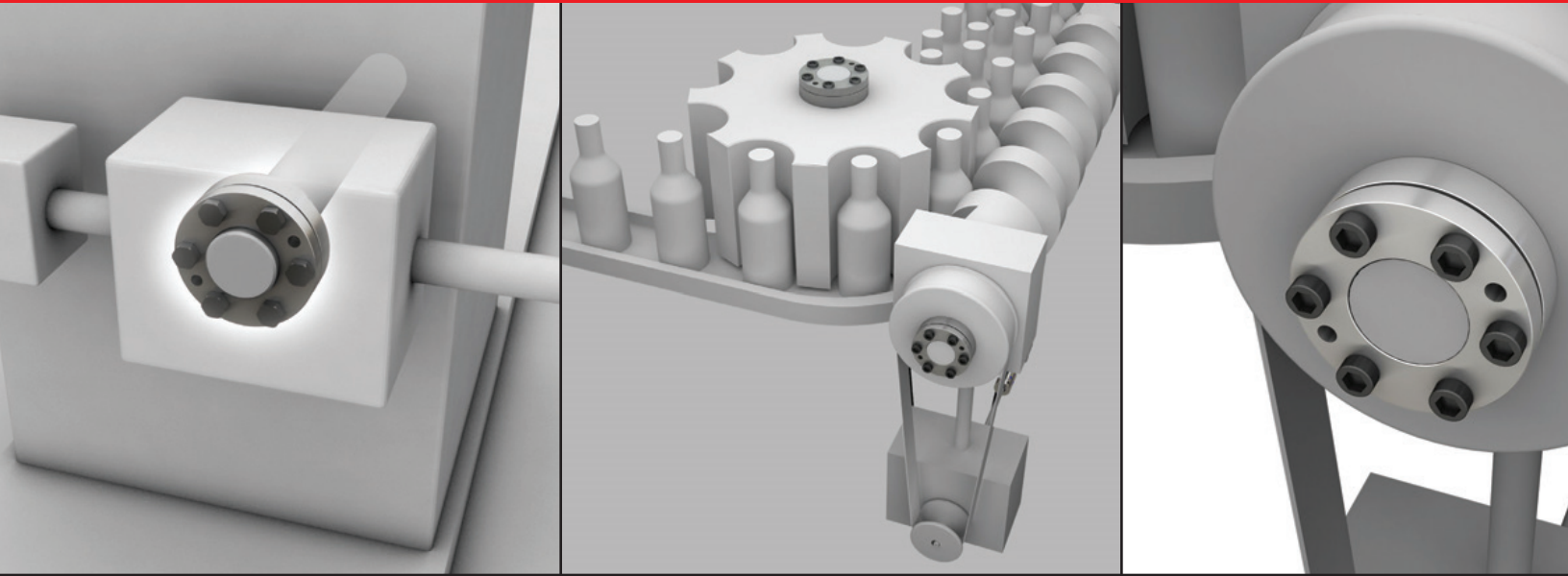


**DISTRIBUIDOR
AUTORIZADO**

MEX (55) 53 63 23 31
QRO (442) 1 95 72 60

MTY (81) 83 54 10 18
ventas@industrialmagza.com

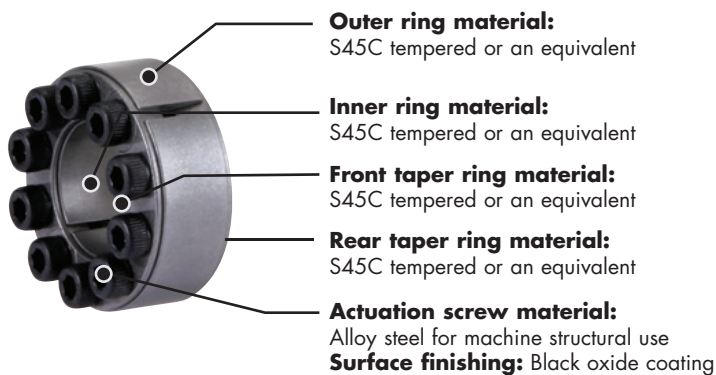
DISCOVER THE MANY WAYS KEYLESS SHAFT BUSHINGS FROM ZERO-MAX SAVE VALUABLE TIME AND RESOURCES IN PRODUCTION PROCESSES.



Variations and Materials

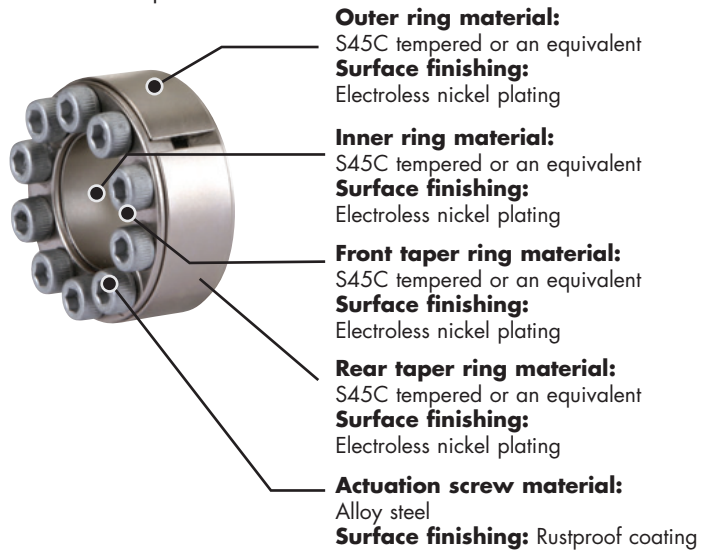
PSL-G pages 4-5

Standard type of the PLS-G model.



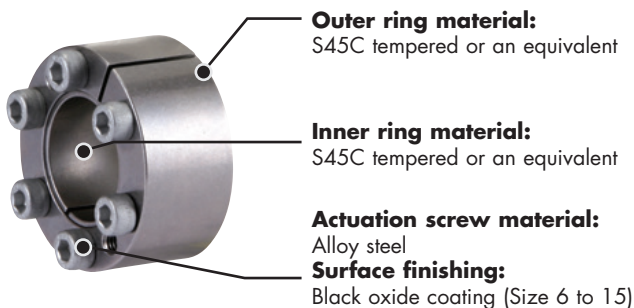
PSL-G-C pages 6-7

The main body is electroless nickel plated for corrosion protection.



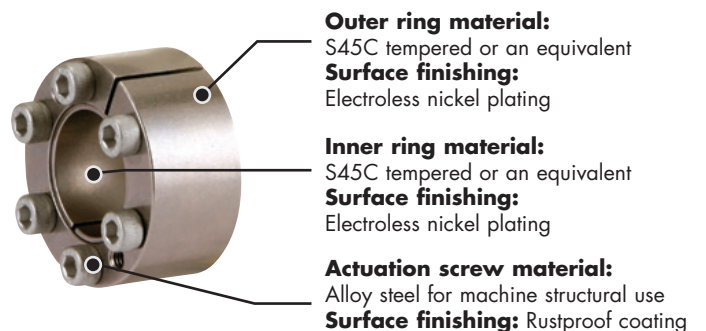
PSL-D pages 8-9

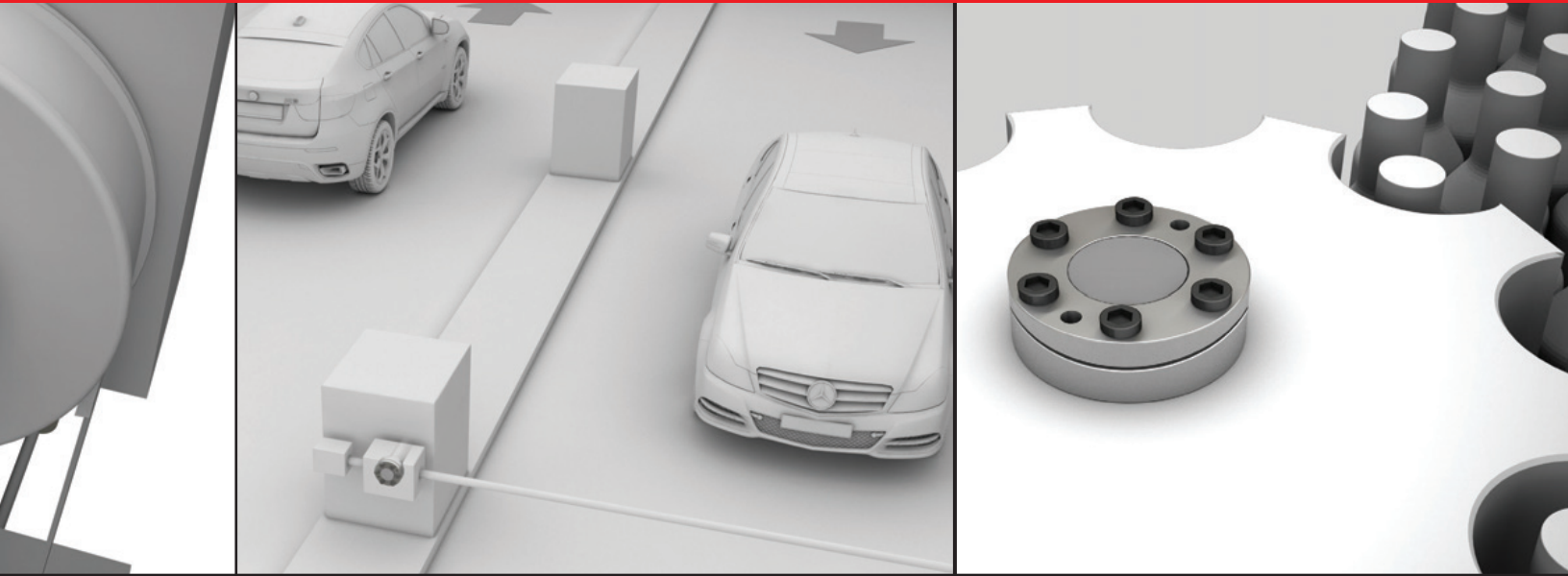
Standard type of the PSL-D model.



PSL-D-C pages 10-11

The main body is electroless nickel plated for corrosion protection.





PSL-K pages 12-13

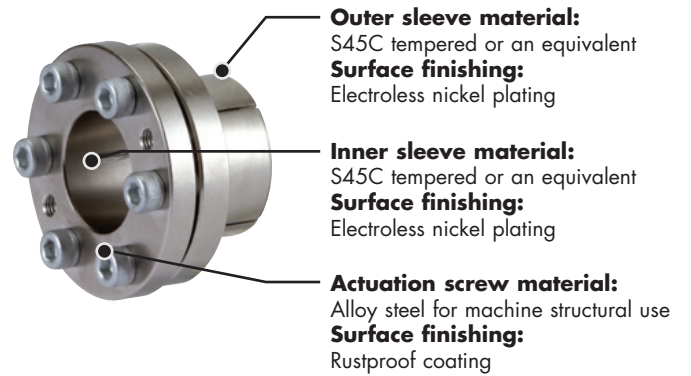
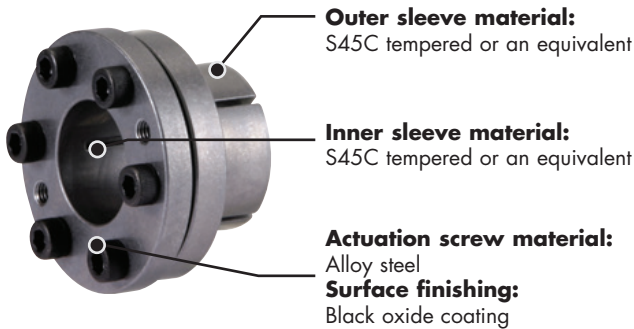
Standard type of the PSL-K model.

PSL-K-B pages 14-15

Hex head screws are used for clamping so the device can be mounted in tight spaces having limited access axially.

PSL-K-C pages 16-17

The main body is electroless nickel plated for corrosion protection.

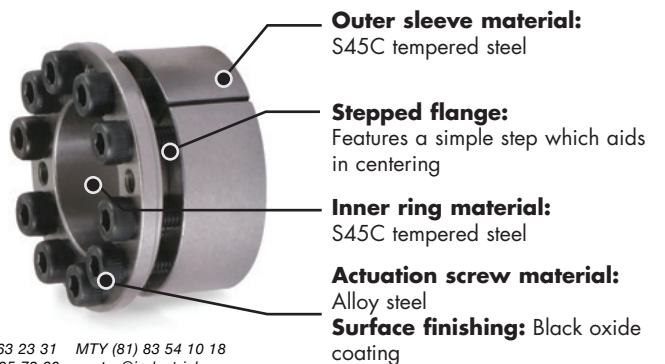
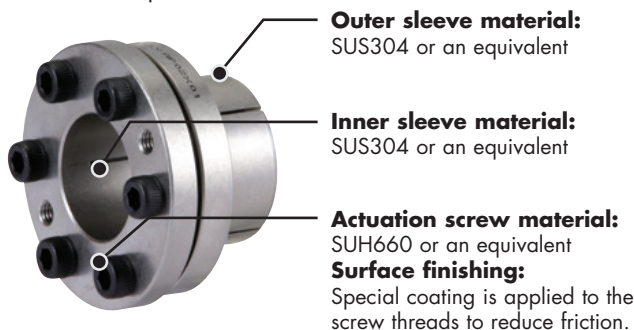


PSL-K-F pages 18-19

The main body is made of stainless material for corrosion protection.

PSL-M pages 20-21

The PSL-M model employs a piloted stepped flange.





Design / Operation

A mechanical locking double-tapered wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flangeless design allows bushing to be recessed within hub for space savings.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- The 2 tapered rings increase the contact pressure at hub, which allows the PSL-G series to offer the highest torque capacity in the Posi-Lok family

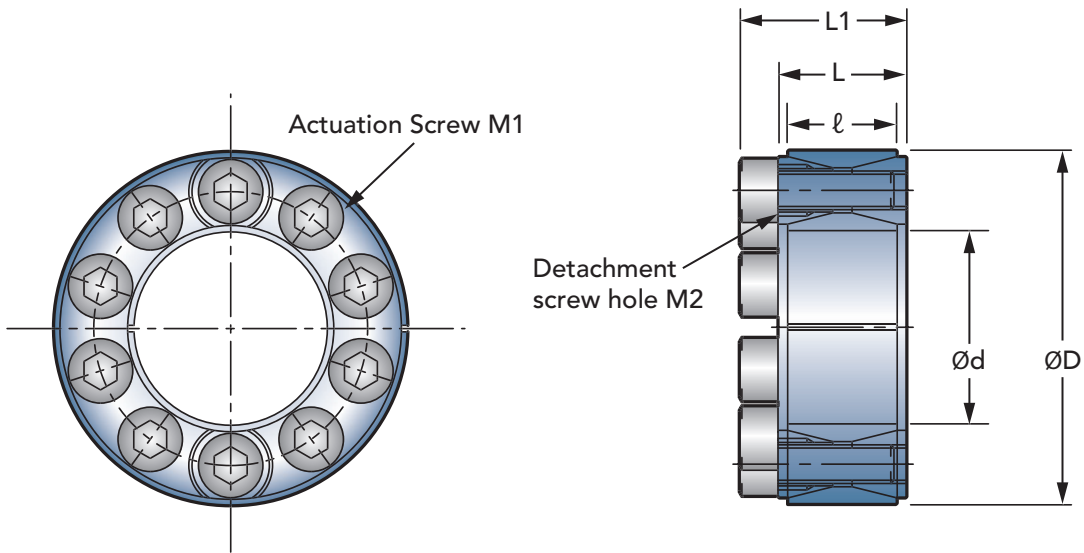
Specifications

| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁴ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|-----------|---------------|-----------|-------------------------------|-----------------------------|---|--------------|--------------------|-------------------|---------|-------------------|-------------------|-------|---------|----|
| | T lb ft | FA lbf | Shaft Contact Pressure PSI | Hub Contact Pressure PSI | | | Upper Limit mm | Lower Limit mm | Grade | Upper Limit mm | Lower Limit mm | Grade | | |
| PSL-G-19 | 213 | 6,857 | 36,259 | 14,649 | 17 | 0.49 | 47.039 | - | 47.000 | H8 | 19.000 | - | 18.948 | h9 |
| PSL-G-20 | 225 | 6,857 | 34,519 | 14,649 | 17 | 0.46 | 47.039 | - | 47.000 | H8 | 20.000 | - | 19.948 | h9 |
| PSL-G-22 | 247 | 6,857 | 31,328 | 14,649 | 16 | 0.44 | 47.039 | - | 47.000 | H8 | 22.000 | - | 21.948 | h9 |
| PSL-G-24 | 303 | 7,711 | 32,343 | 15,519 | 21 | 0.51 | 50.039 | - | 50.000 | H8 | 24.000 | - | 23.948 | h9 |
| PSL-G-25 | 316 | 7,711 | 31,038 | 15,519 | 21 | 0.49 | 50.039 | - | 50.000 | H8 | 25.000 | - | 24.948 | h9 |
| PSL-G-28 | 393 | 8,565 | 30,748 | 15,664 | 30 | 0.57 | 55.046 | - | 55.000 | H8 | 28.000 | - | 27.948 | h9 |
| PSL-G-30 | 421 | 8,565 | 28,717 | 15,664 | 30 | 0.55 | 55.046 | - | 55.000 | H8 | 30.000 | - | 29.948 | h9 |
| PSL-G-32 | 539 | 10,274 | 32,343 | 17,259 | 43 | 0.66 | 60.046 | - | 60.000 | H8 | 32.000 | - | 31.938 | h9 |
| PSL-G-35 | 590 | 10,274 | 29,588 | 17,259 | 41 | 0.62 | 60.046 | - | 60.000 | H8 | 35.000 | - | 34.938 | h9 |
| PSL-G-38 | 752 | 12,027 | 31,908 | 18,710 | 58 | 0.75 | 65.046 | - | 65.000 | H8 | 38.000 | - | 37.938 | h9 |
| PSL-G-40 | 789 | 12,027 | 30,313 | 18,710 | 56 | 0.71 | 65.046 | - | 65.000 | H8 | 40.000 | - | 39.938 | h9 |
| PSL-G-42 | 1,239 | 18,030 | 36,695 | 20,595 | 125 | 1.23 | 75.046 | - | 75.000 | H8 | 42.000 | - | 41.938 | h9 |
| PSL-G-45 | 1,328 | 18,030 | 34,229 | 20,595 | 121 | 1.17 | 75.046 | - | 75.000 | H8 | 45.000 | - | 44.938 | h9 |
| PSL-G-48 | 1,416 | 18,030 | 32,198 | 19,290 | 154 | 1.30 | 80.046 | - | 80.000 | H8 | 48.000 | - | 47.938 | h9 |
| PSL-G-50 | 1,482 | 18,030 | 30,893 | 19,290 | 151 | 1.23 | 80.046 | - | 80.000 | H8 | 50.000 | - | 49.938 | h9 |
| PSL-G-55 | 1,896 | 21,042 | 32,779 | 21,176 | 190 | 1.37 | 85.054 | - | 85.000 | H8 | 55.000 | - | 54.926 | h9 |
| PSL-G-60 | 2,073 | 21,042 | 30,023 | 20,015 | 230 | 1.43 | 90.054 | - | 90.000 | H8 | 60.000 | - | 59.926 | h9 |
| PSL-G-65 | 2,279 | 21,357 | 28,137 | 19,290 | 304 | 1.70 | 95.054 | - | 95.000 | H8 | 65.000 | - | 64.926 | h9 |
| PSL-G-70 | 3,540 | 30,799 | 31,618 | 20,015 | 672 | 2.95 | 110.054 | - | 110.000 | H8 | 70.000 | - | 69.926 | h9 |
| PSL-G-75 | 3,806 | 31,024 | 29,443 | 19,145 | 781 | 3.09 | 115.054 | - | 115.000 | H8 | 75.000 | - | 74.926 | h9 |
| PSL-G-80 | 4,064 | 31,024 | 27,557 | 18,420 | 900 | 3.22 | 120.054 | - | 120.000 | H8 | 80.000 | - | 79.926 | h9 |
| PSL-G-85 | 4,794 | 34,396 | 28,863 | 19,580 | 1,051 | 3.44 | 125.063 | - | 125.000 | H8 | 85.000 | - | 84.913 | h9 |
| PSL-G-90 | 5,074 | 34,396 | 27,267 | 18,855 | 1,196 | 3.57 | 130.063 | - | 130.000 | H8 | 90.000 | - | 89.913 | h9 |
| PSL-G-95 | 5,856 | 37,543 | 28,282 | 19,870 | 1,343 | 3.68 | 135.063 | - | 135.000 | H8 | 95.000 | - | 94.913 | h9 |
| PSL-G-100 | 7,449 | 45,411 | 29,733 | 20,595 | 2,169 | 5.20 | 145.063 | - | 145.000 | H8 | 100.000 | - | 99.913 | h9 |
| PSL-G-110 | 8,187 | 45,411 | 27,122 | 19,290 | 2,703 | 5.58 | 155.063 | - | 155.000 | H8 | 110.000 | - | 109.913 | h9 |
| PSL-G-120 | 9,957 | 50,582 | 27,557 | 20,015 | 3,386 | 6.04 | 165.063 | - | 165.000 | H8 | 120.000 | - | 119.913 | h9 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | Screws | | Detachment Screw Hole | | Tightening Torque |
|-----------|------------|---------|----------|---------|-----------|--------|-----------|-----------------------|-----------|-------------------|
| | d mm | D mm | L* mm | ℓ mm | L1* mm | No. | Dim M1 | No. | Dim M2 | Tt In-lb |
| PSL-G-19 | 19 | 47 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-20 | 20 | 47 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-22 | 22 | 47 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-24 | 24 | 50 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-25 | 25 | 50 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-28 | 28 | 55 | 20 | 17 | 26 | 10 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-30 | 30 | 55 | 20 | 17 | 26 | 10 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-32 | 32 | 60 | 20 | 17 | 26 | 12 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-35 | 35 | 60 | 20 | 17 | 26 | 12 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-38 | 38 | 65 | 20 | 17 | 26 | 14 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-40 | 40 | 65 | 20 | 17 | 26 | 14 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-42 | 42 | 75 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-45 | 45 | 75 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-48 | 48 | 80 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-50 | 50 | 80 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-55 | 55 | 85 | 24 | 20 | 32 | 14 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-60 | 60 | 90 | 24 | 20 | 32 | 14 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-65 | 65 | 95 | 24 | 20 | 32 | 16 | M8 x 22 | 3 | M10 | 363 |
| PSL-G-70 | 70 | 110 | 28 | 24 | 38 | 14 | M10 x 25 | 3 | M12 | 726 |
| PSL-G-75 | 75 | 115 | 28 | 24 | 38 | 14 | M10 x 25 | 3 | M12 | 726 |
| PSL-G-80 | 80 | 120 | 28 | 24 | 38 | 14 | M10 x 25 | 3 | M12 | 726 |
| PSL-G-85 | 85 | 125 | 28 | 24 | 38 | 16 | M10 x 25 | 3 | M12 | 726 |
| PSL-G-90 | 90 | 130 | 28 | 24 | 38 | 16 | M10 x 25 | 3 | M12 | 726 |
| PSL-G-95 | 95 | 135 | 28 | 24 | 38 | 18 | M10 x 25 | 3 | M12 | 726 |
| PSL-G-100 | 100 | 145 | 33 | 26 | 45 | 14 | M12 x 30 | 3 | M14 | 1,257 |
| PSL-G-110 | 110 | 155 | 33 | 26 | 45 | 14 | M12 x 30 | 3 | M14 | 1,257 |
| PSL-G-120 | 120 | 165 | 33 | 26 | 45 | 16 | M12 x 30 | 3 | M14 | 1,257 |

* = Reference dimension
Tt = Screw tightening torque



Design / Operation

A mechanical locking double-tapered wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces. Materials provide corrosion protection.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flangeless design allows bushing to be recessed within hub for space savings.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- The 2 tapered rings increase the contact pressure at hub, which allows the PSL-G series to offer the highest torque capacity in the Posi-Lok family.
- Electroless Nickel Plated Finish provides corrosion protection.

Specifications

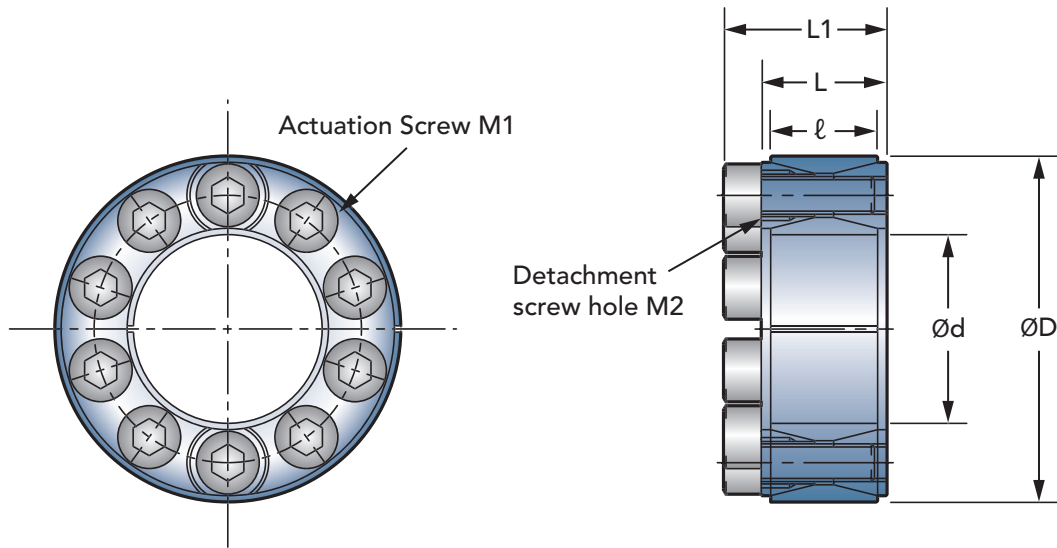
| Model | Transmittable | | | | Polar moment of inertia lb ft² x10⁻⁴ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|------------|---------------|-----------|-------------------------------|-----------------------------|---|--------------|--------------------|-------------------|--------|-------------------|-------------------|-------|--------|----|
| | T lb ft | FA lbf | Shaft Contact Pressure PSI | Hub Contact Pressure PSI | | | Upper Limit mm | Lower Limit mm | Grade | Upper Limit mm | Lower Limit mm | Grade | | |
| PSL-G-19-C | 213 | 6,857 | 36,259 | 14,649 | 17 | 0.49 | 47.039 | - | 47.000 | H8 | 19.000 | - | 18.948 | h9 |
| PSL-G-20-C | 225 | 6,857 | 34,519 | 14,649 | 17 | 0.46 | 47.039 | - | 47.000 | H8 | 20.000 | - | 19.948 | h9 |
| PSL-G-22-C | 247 | 6,857 | 31,328 | 14,649 | 16 | 0.44 | 47.039 | - | 47.000 | H8 | 22.000 | - | 21.948 | h9 |
| PSL-G-24-C | 303 | 7,711 | 32,343 | 15,519 | 21 | 0.51 | 50.039 | - | 50.000 | H8 | 24.000 | - | 23.948 | h9 |
| PSL-G-25-C | 316 | 7,711 | 31,038 | 15,519 | 21 | 0.49 | 50.039 | - | 50.000 | H8 | 25.000 | - | 24.948 | h9 |
| PSL-G-28-C | 393 | 8,565 | 30,748 | 15,664 | 30 | 0.57 | 55.046 | - | 55.000 | H8 | 28.000 | - | 27.948 | h9 |
| PSL-G-30-C | 421 | 8,565 | 28,717 | 15,664 | 30 | 0.55 | 55.046 | - | 55.000 | H8 | 30.000 | - | 29.948 | h9 |
| PSL-G-32-C | 539 | 10,274 | 32,343 | 17,259 | 43 | 0.66 | 60.046 | - | 60.000 | H8 | 32.000 | - | 31.938 | h9 |
| PSL-G-35-C | 590 | 10,274 | 29,588 | 17,259 | 41 | 0.62 | 60.046 | - | 60.000 | H8 | 35.000 | - | 34.938 | h9 |
| PSL-G-38-C | 752 | 12,027 | 31,908 | 18,710 | 58 | 0.75 | 65.046 | - | 65.000 | H8 | 38.000 | - | 37.938 | h9 |
| PSL-G-40-C | 789 | 12,027 | 30,313 | 18,710 | 56 | 0.71 | 65.046 | - | 65.000 | H8 | 40.000 | - | 39.938 | h9 |
| PSL-G-42-C | 1,239 | 18,030 | 36,695 | 20,595 | 125 | 1.23 | 75.046 | - | 75.000 | H8 | 42.000 | - | 41.938 | h9 |
| PSL-G-45-C | 1,328 | 18,030 | 34,229 | 20,595 | 121 | 1.17 | 75.046 | - | 75.000 | H8 | 45.000 | - | 44.938 | h9 |
| PSL-G-48-C | 1,416 | 18,030 | 32,198 | 19,290 | 154 | 1.30 | 80.046 | - | 80.000 | H8 | 48.000 | - | 47.938 | h9 |
| PSL-G-50-C | 1,482 | 18,030 | 30,893 | 19,290 | 151 | 1.23 | 80.046 | - | 80.000 | H8 | 50.000 | - | 49.938 | h9 |
| PSL-G-55-C | 1,896 | 21,042 | 32,779 | 21,176 | 190 | 1.37 | 85.054 | - | 85.000 | H8 | 55.000 | - | 54.926 | h9 |
| PSL-G-60-C | 2,073 | 21,042 | 30,023 | 20,015 | 230 | 1.43 | 90.054 | - | 90.000 | H8 | 60.000 | - | 59.926 | h9 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | Screws | | Detachment Screw Hole | | Tightening Torque |
|------------|------------|---------|----------|---------|-----------|--------|-----------|-----------------------|-----------|-------------------|
| | d mm | D mm | L* mm | ℓ mm | L1* mm | No. | Dim M1 | No. | Dim M2 | Tt In-lb |
| PSL-G-19-C | 19 | 47 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-20-C | 20 | 47 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-22-C | 22 | 47 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-24-C | 24 | 50 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-25-C | 25 | 50 | 20 | 17 | 26 | 8 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-28-C | 28 | 55 | 20 | 17 | 26 | 10 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-30-C | 30 | 55 | 20 | 17 | 26 | 10 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-32-C | 32 | 60 | 20 | 17 | 26 | 12 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-35-C | 35 | 60 | 20 | 17 | 26 | 12 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-38-C | 38 | 65 | 20 | 17 | 26 | 14 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-40-C | 40 | 65 | 20 | 17 | 26 | 14 | M6 x 18 | 2 | M8 | 150 |
| PSL-G-42-C | 42 | 75 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-45-C | 45 | 75 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-48-C | 48 | 80 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-50-C | 50 | 80 | 24 | 20 | 32 | 12 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-55-C | 55 | 85 | 24 | 20 | 32 | 14 | M8 x 22 | 2 | M10 | 363 |
| PSL-G-60-C | 60 | 90 | 24 | 20 | 32 | 14 | M8 x 22 | 2 | M10 | 363 |

* = Reference dimension
Tt = Screw tightening torque



Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flangeless design allows bushing to be recessed within hub for space savings.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- Contact pressure at hub is relatively low, allowing smaller OD hub to be used, saving on the moment of inertia, cost, and weight.

Specifications

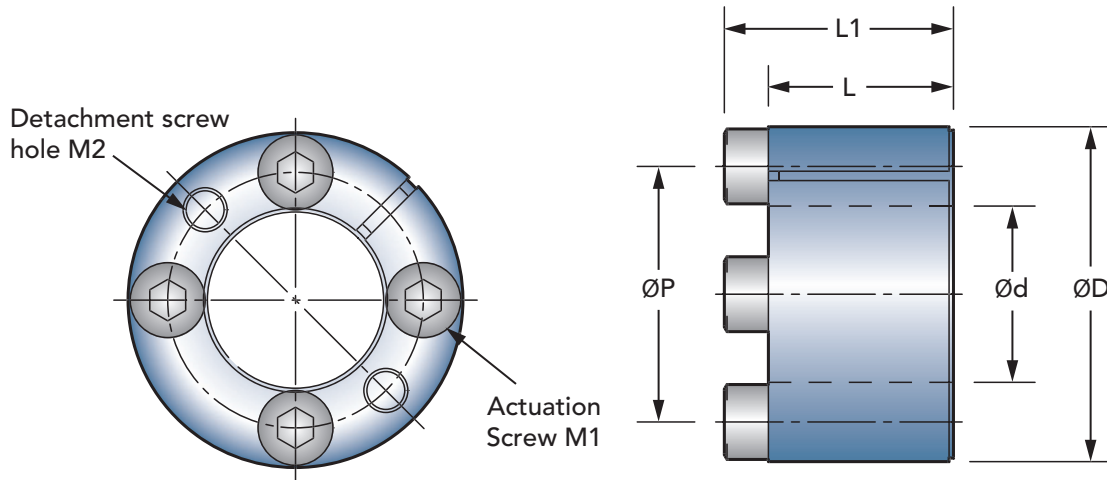
| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁶ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|----------|---------------|-----------|-------------------------------|-----------------------------|---|--------------|--------------------|-------------------|--------|-------------------|-------------------|-------|--------|----|
| | T lb ft | FA lbf | Shaft Contact Pressure PSI | Hub Contact Pressure PSI | | | Upper Limit mm | Lower Limit mm | Grade | Upper Limit mm | Lower Limit mm | Grade | | |
| PSL-D-6 | 4 | 472 | 21,756 | 8,702 | 11 | 0.03 | 16.043 | - | 16.000 | H9 | 6.000 | - | 5.970 | h9 |
| PSL-D-7 | 6 | 472 | 20,305 | 8,702 | 12 | 0.03 | 17.043 | - | 17.000 | H9 | 7.000 | - | 6.964 | h9 |
| PSL-D-8 | 7 | 585 | 15,954 | 7,252 | 18 | 0.03 | 18.043 | - | 18.000 | H9 | 8.000 | - | 7.964 | h9 |
| PSL-D-9 | 11 | 719 | 18,855 | 8,702 | 26 | 0.04 | 20.052 | - | 20.000 | H9 | 9.000 | - | 8.964 | h9 |
| PSL-D-10 | 12 | 719 | 15,954 | 8,702 | 28 | 0.04 | 20.052 | - | 20.000 | H9 | 10.000 | - | 9.964 | h9 |
| PSL-D-11 | 13 | 719 | 14,504 | 7,252 | 43 | 0.05 | 22.052 | - | 22.000 | H9 | 11.000 | - | 10.957 | h9 |
| PSL-D-12 | 14 | 719 | 14,504 | 7,252 | 40 | 0.05 | 22.052 | - | 22.000 | H9 | 12.000 | - | 11.957 | h9 |
| PSL-D-14 | 25 | 1,079 | 14,504 | 7,252 | 102 | 0.09 | 26.052 | - | 26.000 | H9 | 14.000 | - | 13.957 | h9 |
| PSL-D-15 | 27 | 1,079 | 13,053 | 7,252 | 135 | 0.10 | 28.052 | - | 28.000 | H9 | 15.000 | - | 14.957 | h9 |
| PSL-D-16 | 49 | 1,888 | 18,855 | 8,702 | 237 | 0.15 | 32.062 | - | 32.000 | H9 | 16.000 | - | 15.957 | h9 |
| PSL-D-17 | 52 | 1,888 | 17,405 | 8,702 | 427 | 0.21 | 35.062 | - | 35.000 | H9 | 17.000 | - | 16.957 | h9 |
| PSL-D-18 | 55 | 1,888 | 15,954 | 8,702 | 403 | 0.20 | 35.062 | - | 35.000 | H9 | 18.000 | - | 17.957 | h9 |
| PSL-D-19 | 59 | 1,888 | 15,954 | 8,702 | 380 | 0.19 | 35.062 | - | 35.000 | H9 | 19.000 | - | 18.948 | h9 |
| PSL-D-20 | 103 | 3,057 | 21,756 | 11,603 | 570 | 0.26 | 38.062 | - | 38.000 | H9 | 20.000 | - | 19.948 | h9 |
| PSL-D-22 | 111 | 3,057 | 20,305 | 11,603 | 688 | 0.29 | 40.062 | - | 40.000 | H9 | 22.000 | - | 21.948 | h9 |
| PSL-D-24 | 170 | 4,339 | 21,756 | 11,603 | 1,661 | 0.49 | 47.062 | - | 47.000 | H9 | 24.000 | - | 23.948 | h9 |
| PSL-D-25 | 177 | 4,339 | 20,305 | 11,603 | 1,637 | 0.46 | 47.062 | - | 47.000 | H9 | 25.000 | - | 24.948 | h9 |
| PSL-D-28 | 295 | 6,497 | 27,557 | 15,954 | 2,041 | 0.53 | 50.062 | - | 50.000 | H9 | 28.000 | - | 27.948 | h9 |
| PSL-D-30 | 317 | 6,497 | 26,107 | 14,504 | 3,037 | 0.60 | 55.074 | - | 55.000 | H9 | 30.000 | - | 29.948 | h9 |
| PSL-D-32 | 339 | 6,497 | 24,656 | 14,504 | 2,919 | 0.57 | 55.074 | - | 55.000 | H9 | 32.000 | - | 31.938 | h9 |
| PSL-D-35 | 494 | 8,678 | 23,206 | 13,053 | 5,102 | 0.82 | 60.074 | - | 60.000 | H9 | 35.000 | - | 34.938 | h9 |
| PSL-D-38 | 538 | 8,678 | 21,756 | 13,053 | 7,072 | 0.93 | 65.074 | - | 65.000 | H9 | 38.000 | - | 37.938 | h9 |
| PSL-D-40 | 568 | 8,678 | 20,305 | 13,053 | 6,787 | 0.90 | 65.074 | - | 65.000 | H9 | 40.000 | - | 39.938 | h9 |
| PSL-D-42 | 819 | 11,847 | 21,756 | 11,603 | 16,184 | 1.54 | 75.074 | - | 75.000 | H9 | 42.000 | - | 41.938 | h9 |
| PSL-D-45 | 885 | 11,847 | 20,305 | 11,603 | 14,452 | 1.39 | 75.074 | - | 75.000 | H9 | 45.000 | - | 44.938 | h9 |
| PSL-D-48 | 1,246 | 15,804 | 27,557 | 15,954 | 18,249 | 1.61 | 80.074 | - | 80.000 | H9 | 48.000 | - | 47.938 | h9 |
| PSL-D-50 | 1,298 | 15,804 | 26,107 | 15,954 | 17,608 | 1.57 | 80.074 | - | 80.000 | H9 | 50.000 | - | 49.938 | h9 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | Screws | | Tightening Torque | Detachment Screw Hole | |
|----------|------------|---------|---------|----------|-----------|--------|-----------|-------------------|-----------------------|-----------|
| | d mm | D mm | P mm | L* mm | L1* mm | No. | Dim M1 | Tt In-lb | No. | Dim M2 |
| PSL-D-6 | 6 | 16 | 11 | 11 | 13.5 | 3 | M2.5 x 10 | 9 | 2 | M2.5 |
| PSL-D-7 | 7 | 17 | 12 | 11 | 13.5 | 3 | M2.5 x 10 | 9 | 2 | M2.5 |
| PSL-D-8 | 8 | 18 | 13 | 11 | 13.5 | 3 | M2.5 x 10 | 9 | 2 | M2.5 |
| PSL-D-9 | 9 | 20 | 15 | 13 | 15.5 | 4 | M2.5 x 12 | 9 | 2 | M2.5 |
| PSL-D-10 | 10 | 20 | 15 | 13 | 15.5 | 4 | M2.5 x 12 | 9 | 2 | M2.5 |
| PSL-D-11 | 11 | 22 | 17 | 13 | 15.5 | 4 | M2.5 x 12 | 9 | 2 | M2.5 |
| PSL-D-12 | 12 | 22 | 17 | 13 | 15.5 | 4 | M2.5 x 12 | 9 | 2 | M2.5 |
| PSL-D-14 | 14 | 26 | 20 | 17 | 20 | 4 | M3 x 16 | 18 | 2 | M3 |
| PSL-D-15 | 15 | 28 | 21.5 | 17 | 20 | 4 | M3 x 16 | 18 | 2 | M3 |
| PSL-D-16 | 16 | 32 | 24 | 17 | 21 | 4 | M4 x 16 | 35 | 2 | M4 |
| PSL-D-17 | 17 | 35 | 27 | 21 | 25 | 4 | M4 x 20 | 35 | 2 | M4 |
| PSL-D-18 | 18 | 35 | 27 | 21 | 25 | 4 | M4 x 20 | 35 | 2 | M4 |
| PSL-D-19 | 19 | 35 | 27 | 21 | 25 | 4 | M4 x 20 | 35 | 2 | M4 |
| PSL-D-20 | 20 | 38 | 29 | 21 | 26 | 4 | M5 x 20 | 71 | 2 | M5 |
| PSL-D-22 | 22 | 40 | 31 | 21 | 26 | 4 | M5 x 20 | 71 | 2 | M5 |
| PSL-D-24 | 24 | 47 | 36 | 26 | 32 | 4 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-25 | 25 | 47 | 36 | 26 | 32 | 4 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-28 | 28 | 50 | 39 | 26 | 32 | 6 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-30 | 30 | 55 | 43.5 | 26 | 32 | 6 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-32 | 32 | 55 | 43.5 | 26 | 32 | 6 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-35 | 35 | 60 | 47.5 | 31 | 37 | 8 | M6 x 30 | 124 | 2 | M6 |
| PSL-D-38 | 38 | 65 | 52.5 | 31 | 37 | 8 | M6 x 30 | 124 | 2 | M6 |
| PSL-D-40 | 40 | 65 | 52.5 | 31 | 37 | 8 | M6 x 30 | 124 | 2 | M6 |
| PSL-D-42 | 42 | 75 | 60 | 36 | 44 | 6 | M8 x 35 | 301 | 2 | M8 |
| PSL-D-45 | 45 | 75 | 60 | 36 | 44 | 6 | M8 x 35 | 301 | 2 | M8 |
| PSL-D-48 | 48 | 80 | 65 | 36 | 44 | 8 | M8 x 35 | 301 | 2 | M8 |
| PSL-D-50 | 50 | 80 | 65 | 36 | 44 | 8 | M8 x 35 | 301 | 2 | M8 |

* = Reference dimension
Tt = Screw tightening torque



Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces. Materials provide corrosion protection.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flangeless design allows bushing to be recessed within hub for space savings.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- Contact pressure at hub is relatively low, allowing smaller OD hub to be used, saving on the moment of inertia, cost, and weight.
- Electroless Nickel Plated Finish provides corrosion protection.

Specifications

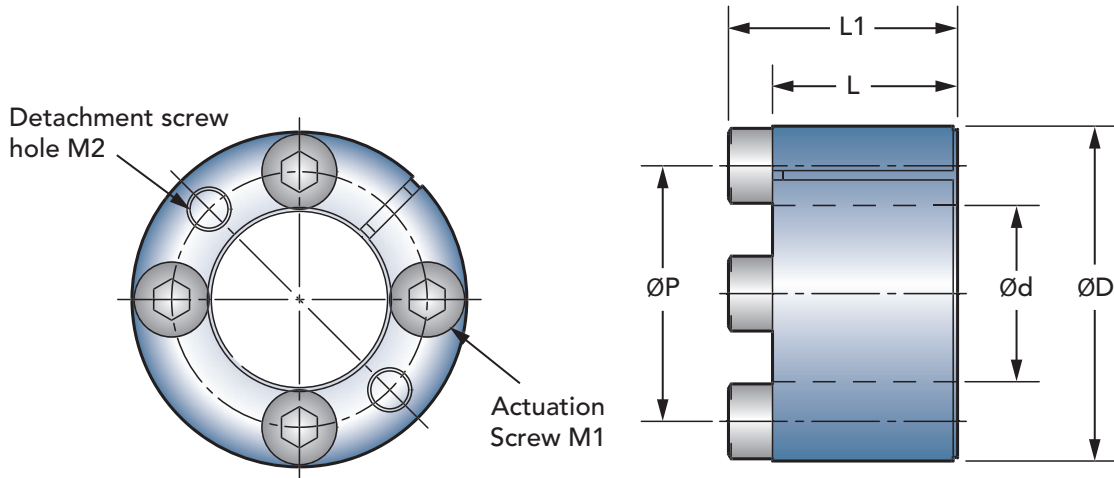
| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁶ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|------------|---------------|-----------|-------------------------------|-----------------------------|---|--------------|--------------------|-------------------|--------|-------------------|-------------------|-------|--------|----|
| | T lb ft | FA lbf | Shaft Contact Pressure PSI | Hub Contact Pressure PSI | | | Upper Limit mm | Lower Limit mm | Grade | Upper Limit mm | Lower Limit mm | Grade | | |
| PSL-D-16-C | 49 | 1,888 | 18,855 | 8,702 | 237 | 0.15 | 32.062 | - | 32.000 | H9 | 16.000 | - | 15.957 | h9 |
| PSL-D-17-C | 52 | 1,888 | 17,405 | 8,702 | 427 | 0.21 | 35.062 | - | 35.000 | H9 | 17.000 | - | 16.957 | h9 |
| PSL-D-18-C | 55 | 1,888 | 15,954 | 8,702 | 403 | 0.20 | 35.062 | - | 35.000 | H9 | 18.000 | - | 17.957 | h9 |
| PSL-D-19-C | 59 | 1,888 | 15,954 | 8,702 | 380 | 0.19 | 35.062 | - | 35.000 | H9 | 19.000 | - | 18.948 | h9 |
| PSL-D-20-C | 103 | 3,057 | 21,756 | 11,603 | 570 | 0.26 | 38.062 | - | 38.000 | H9 | 20.000 | - | 19.948 | h9 |
| PSL-D-22-C | 111 | 3,057 | 20,305 | 11,603 | 688 | 0.29 | 40.062 | - | 40.000 | H9 | 22.000 | - | 21.948 | h9 |
| PSL-D-24-C | 170 | 4,339 | 21,756 | 11,603 | 1,661 | 0.49 | 47.062 | - | 47.000 | H9 | 24.000 | - | 23.948 | h9 |
| PSL-D-25-C | 177 | 4,339 | 20,305 | 11,603 | 1,637 | 0.46 | 47.062 | - | 47.000 | H9 | 25.000 | - | 24.948 | h9 |
| PSL-D-28-C | 295 | 6,497 | 27,557 | 15,954 | 2,041 | 0.53 | 50.062 | - | 50.000 | H9 | 28.000 | - | 27.948 | h9 |
| PSL-D-30-C | 317 | 6,497 | 26,107 | 14,504 | 3,037 | 0.60 | 55.074 | - | 55.000 | H9 | 30.000 | - | 29.948 | h9 |
| PSL-D-32-C | 339 | 6,497 | 24,656 | 14,504 | 2,919 | 0.57 | 55.074 | - | 55.000 | H9 | 32.000 | - | 31.938 | h9 |
| PSL-D-35-C | 494 | 8,678 | 23,206 | 13,053 | 5,102 | 0.82 | 60.074 | - | 60.000 | H9 | 35.000 | - | 34.938 | h9 |
| PSL-D-38-C | 538 | 8,678 | 21,756 | 13,053 | 7,072 | 0.93 | 65.074 | - | 65.000 | H9 | 38.000 | - | 37.938 | h9 |
| PSL-D-40-C | 568 | 8,678 | 20,305 | 13,053 | 6,787 | 0.90 | 65.074 | - | 65.000 | H9 | 40.000 | - | 39.938 | h9 |
| PSL-D-42-C | 819 | 11,847 | 21,756 | 11,603 | 16,184 | 1.54 | 75.074 | - | 75.000 | H9 | 42.000 | - | 41.938 | h9 |
| PSL-D-45-C | 885 | 11,847 | 20,305 | 11,603 | 14,452 | 1.39 | 75.074 | - | 75.000 | H9 | 45.000 | - | 44.938 | h9 |
| PSL-D-48-C | 1,246 | 15,804 | 27,557 | 15,954 | 18,249 | 1.61 | 80.074 | - | 80.000 | H9 | 48.000 | - | 47.938 | h9 |
| PSL-D-50-C | 1,298 | 15,804 | 26,107 | 15,954 | 17,608 | 1.57 | 80.074 | - | 80.000 | H9 | 50.000 | - | 49.938 | h9 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | Screws | | Tightening Torque | Detachment Screw Hole | |
|------------|------------|---------|---------|----------|-----------|--------|-----------|-------------------|-----------------------|-----------|
| | d mm | D mm | P mm | L* mm | L1* mm | No. | Dim M1 | Tt In-lb | No. | Dim M2 |
| PSL-D-16-C | 16 | 32 | 24 | 17 | 21 | 4 | M4 x 16 | 35 | 2 | M4 |
| PSL-D-17-C | 17 | 35 | 27 | 21 | 25 | 4 | M4 x 20 | 35 | 2 | M4 |
| PSL-D-18-C | 18 | 35 | 27 | 21 | 25 | 4 | M4 x 20 | 35 | 2 | M4 |
| PSL-D-19-C | 19 | 35 | 27 | 21 | 25 | 4 | M4 x 20 | 35 | 2 | M4 |
| PSL-D-20-C | 20 | 38 | 29 | 21 | 26 | 4 | M5 x 20 | 71 | 2 | M5 |
| PSL-D-22-C | 22 | 40 | 31 | 21 | 26 | 4 | M5 x 20 | 71 | 2 | M5 |
| PSL-D-24-C | 24 | 47 | 36 | 26 | 32 | 4 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-25-C | 25 | 47 | 36 | 26 | 32 | 4 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-28-C | 28 | 50 | 39 | 26 | 32 | 6 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-30-C | 30 | 55 | 43.5 | 26 | 32 | 6 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-32-C | 32 | 55 | 43.5 | 26 | 32 | 6 | M6 x 25 | 124 | 2 | M6 |
| PSL-D-35-C | 35 | 60 | 47.5 | 31 | 37 | 8 | M6 x 30 | 124 | 2 | M6 |
| PSL-D-38-C | 38 | 65 | 52.5 | 31 | 37 | 8 | M6 x 30 | 124 | 2 | M6 |
| PSL-D-40-C | 40 | 65 | 52.5 | 31 | 37 | 8 | M6 x 30 | 124 | 2 | M6 |
| PSL-D-42-C | 42 | 75 | 60 | 36 | 44 | 6 | M8 x 35 | 301 | 2 | M8 |
| PSL-D-45-C | 45 | 75 | 60 | 36 | 44 | 6 | M8 x 35 | 301 | 2 | M8 |
| PSL-D-48-C | 48 | 80 | 65 | 36 | 44 | 8 | M8 x 35 | 301 | 2 | M8 |
| PSL-D-50-C | 50 | 80 | 65 | 36 | 44 | 8 | M8 x 35 | 301 | 2 | M8 |

* = Reference dimension
Tt = Screw tightening torque





Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flanged design better exposes the actuation screws to simplify installation and disassembly.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- Small ID / OD dimensions allow a smaller component to be mounted, saving on the moment of inertia, cost, and weight.

Specifications

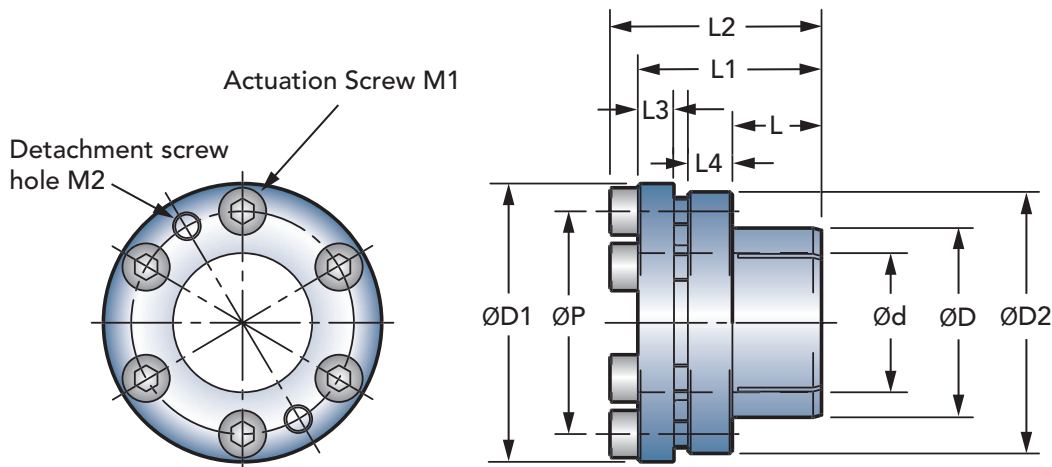
| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁶ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|-----------|---------------|-------|---------------|--------------|---|--------------|--------------------|-------------|--------|-----------------|-------------|-------|--------|----|
| | T | FA | Shaft Contact | Hub Contact | | | Upper Limit | Lower Limit | Grade | Upper Limit | Lower Limit | Grade | | |
| | lb ft | lbf | Pressure PSI | Pressure PSI | | | mm | mm | | mm | mm | | | |
| PSL-K-6 | 4 | 438 | 23,206 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.000 | - | 5.982 | h8 |
| PSL-K-1/4 | 5 | 438 | 21,756 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.350 | - | 6.328 | h8 |
| PSL-K-7 | 5 | 438 | 18,855 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 7.000 | - | 6.978 | h8 |
| PSL-K-8 | 17 | 1,326 | 42,061 | 23,206 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 8.000 | - | 7.978 | h8 |
| PSL-K-9 | 19 | 1,326 | 37,710 | 23,206 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 9.000 | - | 8.978 | h8 |
| PSL-K-3/8 | 21 | 1,326 | 36,259 | 18,855 | 185 | 0.15 | 18.018 | - | 18.000 | H7 | 9.525 | - | 9.503 | h8 |
| PSL-K-10 | 21 | 1,326 | 33,359 | 18,855 | 183 | 0.15 | 18.018 | - | 18.000 | H7 | 10.000 | - | 9.978 | h8 |
| PSL-K-11 | 24 | 1,326 | 30,458 | 18,855 | 180 | 0.14 | 18.018 | - | 18.000 | H7 | 11.000 | - | 10.973 | h8 |
| PSL-K-12 | 35 | 1,754 | 37,710 | 23,206 | 237 | 0.17 | 20.021 | - | 20.000 | H7 | 12.000 | - | 11.973 | h8 |
| PSL-K-1/2 | 37 | 1,754 | 36,259 | 20,305 | 237 | 0.16 | 20.021 | - | 20.000 | H7 | 12.700 | - | 12.673 | h8 |
| PSL-K-14 | 41 | 1,754 | 31,908 | 20,305 | 308 | 0.18 | 22.021 | - | 22.000 | H7 | 14.000 | - | 13.973 | h8 |
| PSL-K-15 | 70 | 2,855 | 42,061 | 27,557 | 570 | 0.28 | 23.021 | - | 23.000 | H7 | 15.000 | - | 14.973 | h8 |
| PSL-K-16 | 74 | 2,855 | 39,160 | 26,107 | 641 | 0.29 | 24.021 | - | 24.000 | H7 | 16.000 | - | 15.973 | h8 |
| PSL-K-17 | 81 | 2,855 | 37,710 | 24,656 | 783 | 0.32 | 26.021 | - | 26.000 | H7 | 17.000 | - | 16.973 | h8 |
| PSL-K-18 | 81 | 2,855 | 34,809 | 24,656 | 759 | 0.31 | 26.021 | - | 26.000 | H7 | 18.000 | - | 17.973 | h8 |
| PSL-K-19 | 89 | 2,855 | 33,359 | 23,206 | 949 | 0.34 | 28.021 | - | 28.000 | H7 | 19.000 | - | 18.967 | h8 |
| PSL-K-20 | 96 | 2,855 | 31,908 | 23,206 | 925 | 0.33 | 28.021 | - | 28.000 | H7 | 20.000 | - | 19.967 | h8 |
| PSL-K-22 | 155 | 4,271 | 36,259 | 24,656 | 1,542 | 0.46 | 32.025 | - | 32.000 | H7 | 22.000 | - | 21.967 | h8 |
| PSL-K-24 | 170 | 4,271 | 33,359 | 23,206 | 1,804 | 0.49 | 34.025 | - | 34.000 | H7 | 24.000 | - | 23.967 | h8 |
| PSL-K-25 | 177 | 4,271 | 31,908 | 23,206 | 1,780 | 0.46 | 34.025 | - | 34.000 | H7 | 25.000 | - | 24.967 | h8 |
| PSL-K-28 | 280 | 6,070 | 31,908 | 23,206 | 4,817 | 0.86 | 39.025 | - | 39.000 | H7 | 28.000 | - | 27.967 | h8 |
| PSL-K-30 | 295 | 6,070 | 30,458 | 21,756 | 5,458 | 0.88 | 41.025 | - | 41.000 | H7 | 30.000 | - | 29.967 | h8 |
| PSL-K-32 | 317 | 6,070 | 27,557 | 20,305 | 6,170 | 0.94 | 43.025 | - | 43.000 | H7 | 32.000 | - | 31.961 | h8 |
| PSL-K-35 | 465 | 8,093 | 30,458 | 21,756 | 8,685 | 1.16 | 47.025 | - | 47.000 | H7 | 35.000 | - | 34.961 | h8 |
| PSL-K-38 | 502 | 8,026 | 30,458 | 23,206 | 10,109 | 1.28 | 50.025 | - | 50.000 | H7 | 38.000 | - | 37.961 | h8 |
| PSL-K-40 | 531 | 8,093 | 23,206 | 17,405 | 12,126 | 1.32 | 53.030 | - | 53.000 | H7 | 40.000 | - | 39.961 | h8 |
| PSL-K-42 | 553 | 8,026 | 24,656 | 18,855 | 13,313 | 1.45 | 55.030 | - | 55.000 | H7 | 42.000 | - | 42.961 | h8 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | | | | | | Screws | | | |
|-----------|------------|---------|----------|----------|---------|---------|-----------|-----------|----------|----------|--------|---------|------|-------------|
| | d mm | D mm | D1 mm | D2 mm | P mm | L mm | L1* mm | L2* mm | L3 mm | L4 mm | No. | Dim | | Tt In-lb |
| | | | | | | | | | | | | M1 | M2 | |
| PSL-K-6 | 6 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-1/4 | 6.35 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-7 | 7 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-8 | 8 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-9 | 9 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-3/8 | 9.525 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-10 | 10 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-11 | 11 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-12 | 12 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-1/2 | 12.7 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-14 | 14 | 22 | 35 | 33 | 27 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-15 | 15 | 23 | 39 | 36 | 29 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-16 | 16 | 24 | 40 | 37 | 30 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-17 | 17 | 26 | 42 | 39 | 32 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-18 | 18 | 26 | 42 | 39 | 32 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-19 | 19 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-20 | 20 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-22 | 22 | 32 | 48 | 45 | 38 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-24 | 24 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-25 | 25 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-28 | 28 | 39 | 62 | 59 | 47 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-30 | 30 | 41 | 64 | 61 | 49 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-32 | 32 | 43 | 66 | 63 | 51 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-35 | 35 | 47 | 70 | 67 | 55 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-38 | 38 | 50 | 73 | 70 | 58 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-40 | 40 | 53 | 76 | 73 | 61 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-42 | 42 | 55 | 78 | 75 | 63 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |

* = Reference dimension
Tt = Screw tightening torque



Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces. Special hex-head actuation screws for easy radial access.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flanged design better exposes the actuation screws to simplify installation and disassembly.
- Ease of mounting – hex-head screws tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- Small ID / OD dimensions allow a smaller component to be mounted, saving on the moment of inertia, cost, and weight.
- Hex-head screws allow radial access for installation, allowing it to be mounted in tight space constraints.



Specifications

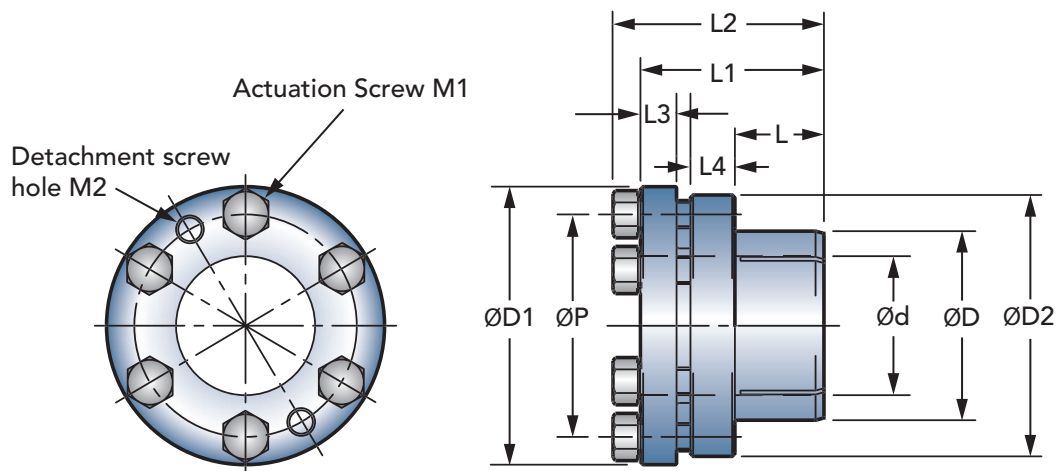
| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁶ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|-------------|---------------|-------|---------------|--------------|---|--------------|--------------------|-------------|--------|-----------------|-------------|-------|--------|----|
| | T | FA | Shaft Contact | Hub Contact | | | Upper Limit | Lower Limit | Grade | Upper Limit | Lower Limit | Grade | | |
| | lb ft | lbf | Pressure PSI | Pressure PSI | | | | | | | | | mm | mm |
| PSL-K-6-B | 4 | 438 | 23,206 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.000 | - | 5.982 | h8 |
| PSL-K-1/4-B | 5 | 438 | 21,756 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.350 | - | 6.328 | h8 |
| PSL-K-7-B | 5 | 438 | 18,855 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 7.000 | - | 6.978 | h8 |
| PSL-K-8-B | 17 | 1,326 | 42,061 | 23,206 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 8.000 | - | 7.978 | h8 |
| PSL-K-9-B | 19 | 1,326 | 37,710 | 23,206 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 9.000 | - | 8.978 | h8 |
| PSL-K-3/8-B | 21 | 1,326 | 36,259 | 18,855 | 185 | 0.15 | 18.018 | - | 18.000 | H7 | 9.525 | - | 9.503 | h8 |
| PSL-K-10-B | 21 | 1,326 | 33,359 | 18,855 | 183 | 0.15 | 18.018 | - | 18.000 | H7 | 10.000 | - | 9.978 | h8 |
| PSL-K-11-B | 24 | 1,326 | 30,458 | 18,855 | 180 | 0.14 | 18.018 | - | 18.000 | H7 | 11.000 | - | 10.973 | h8 |
| PSL-K-12-B | 35 | 1,753 | 37,710 | 23,206 | 237 | 0.17 | 20.021 | - | 20.000 | H7 | 12.000 | - | 11.973 | h8 |
| PSL-K-1/2-B | 37 | 1,753 | 36,259 | 20,305 | 237 | 0.16 | 20.021 | - | 20.000 | H7 | 12.700 | - | 12.673 | h8 |
| PSL-K-14-B | 41 | 1,753 | 31,908 | 20,305 | 308 | 0.18 | 22.021 | - | 22.000 | H7 | 14.000 | - | 13.973 | h8 |
| PSL-K-15-B | 70 | 2,855 | 42,061 | 27,557 | 570 | 0.28 | 23.021 | - | 23.000 | H7 | 15.000 | - | 14.973 | h8 |
| PSL-K-16-B | 74 | 2,855 | 39,160 | 26,107 | 641 | 0.29 | 24.021 | - | 24.000 | H7 | 16.000 | - | 15.973 | h8 |
| PSL-K-17-B | 81 | 2,855 | 37,710 | 24,656 | 783 | 0.32 | 26.021 | - | 26.000 | H7 | 17.000 | - | 16.973 | h8 |
| PSL-K-18-B | 81 | 2,855 | 34,809 | 24,656 | 759 | 0.31 | 26.021 | - | 26.000 | H7 | 18.000 | - | 17.973 | h8 |
| PSL-K-19-B | 89 | 2,855 | 33,359 | 23,206 | 949 | 0.34 | 28.021 | - | 28.000 | H7 | 19.000 | - | 18.967 | h8 |
| PSL-K-20-B | 96 | 2,855 | 31,908 | 23,206 | 925 | 0.33 | 28.021 | - | 28.000 | H7 | 20.000 | - | 19.967 | h8 |
| PSL-K-22-B | 155 | 4,271 | 36,259 | 24,656 | 1,542 | 0.46 | 32.025 | - | 32.000 | H7 | 22.000 | - | 21.967 | h8 |
| PSL-K-24-B | 170 | 4,271 | 33,359 | 23,206 | 1,804 | 0.49 | 34.025 | - | 34.000 | H7 | 24.000 | - | 23.967 | h8 |
| PSL-K-25-B | 177 | 4,271 | 31,908 | 23,206 | 1,780 | 0.46 | 34.025 | - | 34.000 | H7 | 25.000 | - | 24.967 | h8 |
| PSL-K-28-B | 280 | 6,070 | 31,908 | 23,206 | 4,817 | 0.86 | 39.025 | - | 39.000 | H7 | 28.000 | - | 27.967 | h8 |
| PSL-K-30-B | 295 | 6,070 | 30,458 | 21,756 | 5,458 | 0.88 | 41.025 | - | 41.000 | H7 | 30.000 | - | 29.967 | h8 |
| PSL-K-32-B | 317 | 6,070 | 27,557 | 20,305 | 6,170 | 0.94 | 43.025 | - | 43.000 | H7 | 32.000 | - | 31.961 | h8 |
| PSL-K-35-B | 465 | 8,093 | 30,458 | 21,756 | 8,685 | 1.16 | 47.025 | - | 47.000 | H7 | 35.000 | - | 34.961 | h8 |
| PSL-K-38-B | 502 | 8,026 | 30,458 | 23,206 | 10,109 | 1.28 | 50.025 | - | 50.000 | H7 | 38.000 | - | 37.961 | h8 |
| PSL-K-40-B | 531 | 8,093 | 23,206 | 17,405 | 12,126 | 1.32 | 53.030 | - | 53.000 | H7 | 40.000 | - | 39.961 | h8 |
| PSL-K-42-B | 553 | 8,026 | 24,656 | 18,855 | 13,313 | 1.45 | 55.030 | - | 55.000 | H7 | 42.000 | - | 41.961 | h8 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



DISTRIBUIDOR
AUTORIZADO

MEX (55) 53 63 23 31 MTY (81) 83 54 10 18
QRO (442) 1 95 72 60 ventas@industrialmagza.com



Dimensions

| Model | Dimensions | | | | | | | | | | Screws | | | |
|-------------|------------|---------|----------|----------|---------|---------|-----------|-----------|----------|----------|--------|-----------|------|-------------|
| | d mm | D mm | D1 mm | D2 mm | P mm | L mm | L1* mm | L2* mm | L3 mm | L4 mm | No. | Dim M1 | M2 | Tt In-lb |
| PSL-K-6-B | 6 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-1/4-B | 6.35 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-7-B | 7 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-8-B | 8 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-9-B | 9 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-3/8-B | 9.525 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-10-B | 10 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-11-B | 11 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-12-B | 12 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-1/2-B | 12.7 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-14-B | 14 | 22 | 35 | 33 | 27 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-15-B | 15 | 23 | 39 | 36 | 29 | 14 | 29 | 33.5 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-16-B | 16 | 24 | 40 | 37 | 30 | 14 | 29 | 33.5 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-17-B | 17 | 26 | 42 | 39 | 32 | 14 | 29 | 33.5 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-18-B | 18 | 26 | 42 | 39 | 32 | 14 | 29 | 33.5 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-19-B | 19 | 28 | 44 | 41 | 34 | 14 | 29 | 33.5 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-20-B | 20 | 28 | 44 | 41 | 34 | 14 | 29 | 33.5 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-22-B | 22 | 32 | 48 | 45 | 38 | 16 | 33 | 37.5 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-24-B | 24 | 34 | 50 | 47 | 40 | 16 | 33 | 37.5 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-25-B | 25 | 34 | 50 | 47 | 40 | 16 | 33 | 37.5 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-28-B | 28 | 39 | 62 | 59 | 47 | 20 | 39 | 44 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-30-B | 30 | 41 | 64 | 61 | 49 | 20 | 39 | 44 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-32-B | 32 | 43 | 66 | 63 | 51 | 20 | 39 | 44 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-35-B | 35 | 47 | 70 | 67 | 55 | 22 | 43 | 48 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-38-B | 38 | 50 | 73 | 70 | 58 | 22 | 43 | 48 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-40-B | 40 | 53 | 76 | 73 | 61 | 22 | 43 | 48 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-42-B | 42 | 55 | 78 | 75 | 63 | 22 | 43 | 48 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |

* = Reference dimension
Tt = Screw tightening torque





Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces. Materials provide corrosion protection.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flanged design better exposes the actuation screws to simplify installation and disassembly.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- Small ID / OD dimensions allow a smaller component to be mounted, saving on the moment of inertia, cost, and weight.
- Electroless Nickel Plated Finish provides corrosion protection.

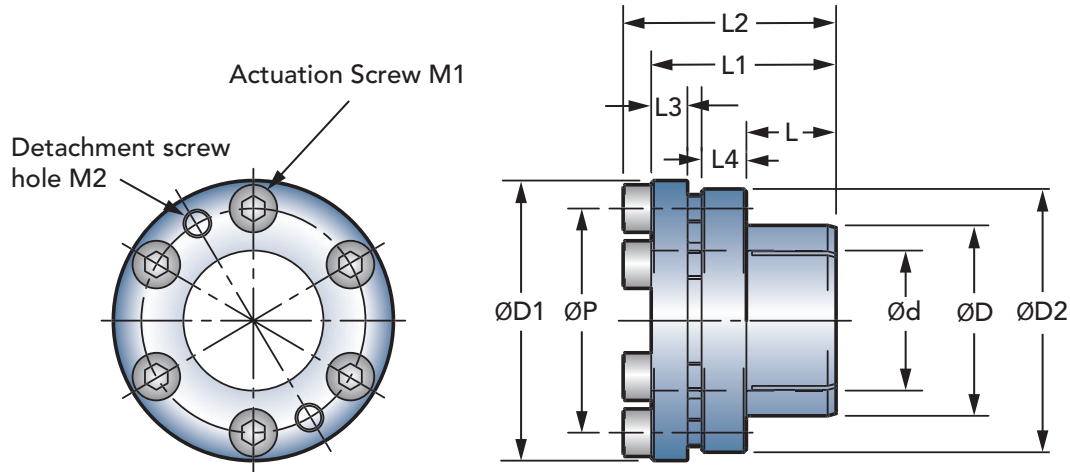
Specifications

| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁶ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|-------------|---------------|-----------|-------------------------------|-----------------------------|---|--------------|--------------------|-------------------|--------|-------------------|-------------------|-------|--------|----|
| | T lb ft | FA lbf | Shaft Contact Pressure PSI | Hub Contact Pressure PSI | | | Upper Limit mm | Lower Limit mm | Grade | Upper Limit mm | Lower Limit mm | Grade | | |
| PSL-K-6-C | 4 | 438 | 23,206 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.00 | - | 5.982 | h8 |
| PSL-K-1/4-C | 5 | 438 | 21,756 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.350 | - | 6.328 | h8 |
| PSL-K-7-C | 5 | 438 | 18,855 | 11,603 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 7.000 | - | 6.978 | h8 |
| PSL-K-8-C | 17 | 1,326 | 42,061 | 23,206 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 8.000 | - | 7.978 | h8 |
| PSL-K-9-C | 19 | 1,326 | 37,710 | 23,206 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 9.000 | - | 8.978 | h8 |
| PSL-K-3/8-C | 21 | 1,326 | 36,259 | 18,855 | 185 | 0.15 | 18.018 | - | 18.000 | H7 | 9.525 | - | 9.503 | h8 |
| PSL-K-10-C | 21 | 1,326 | 33,359 | 18,855 | 183 | 0.15 | 18.018 | - | 18.000 | H7 | 10.000 | - | 9.978 | h8 |
| PSL-K-11-C | 24 | 1,326 | 30,458 | 18,855 | 180 | 0.14 | 18.018 | - | 18.000 | H7 | 11.000 | - | 10.973 | h8 |
| PSL-K-12-C | 35 | 1,753 | 37,710 | 23,206 | 237 | 0.17 | 20.021 | - | 20.000 | H7 | 12.000 | - | 11.973 | h8 |
| PSL-K-1/2-C | 37 | 1,753 | 36,259 | 20,305 | 237 | 0.16 | 20.021 | - | 20.000 | H7 | 12.700 | - | 12.673 | h8 |
| PSL-K-14-C | 41 | 1,753 | 31,908 | 20,305 | 308 | 0.18 | 22.021 | - | 22.000 | H7 | 14.000 | - | 13.973 | h8 |
| PSL-K-15-C | 70 | 2,855 | 42,061 | 27,557 | 570 | 0.28 | 23.021 | - | 23.000 | H7 | 15.000 | - | 14.973 | h8 |
| PSL-K-5/8-C | 70 | 2,855 | 39,158 | 26,105 | 641 | 0.29 | 24.021 | - | 24.000 | H7 | 15.875 | - | 15.848 | h8 |
| PSL-K-16-C | 74 | 2,855 | 39,160 | 26,107 | 641 | 0.29 | 24.021 | - | 24.000 | H7 | 16.000 | - | 15.973 | h8 |
| PSL-K-17-C | 81 | 2,855 | 37,710 | 24,656 | 783 | 0.32 | 26.021 | - | 26.000 | H7 | 17.000 | - | 16.973 | h8 |
| PSL-K-18-C | 81 | 2,855 | 34,809 | 24,656 | 759 | 0.31 | 26.021 | - | 26.000 | H7 | 18.000 | - | 17.973 | h8 |
| PSL-K-19-C | 89 | 2,855 | 33,359 | 23,206 | 949 | 0.34 | 28.021 | - | 28.000 | H7 | 19.000 | - | 18.967 | h8 |
| PSL-K-3/4-C | 91 | 2,855 | 33,357 | 23,205 | 949 | 0.34 | 28.021 | - | 28.000 | H7 | 19.050 | - | 19.017 | h8 |
| PSL-K-20-C | 96 | 2,855 | 31,908 | 23,206 | 925 | 0.33 | 28.021 | - | 28.000 | H7 | 20.000 | - | 19.967 | h8 |
| PSL-K-22-C | 155 | 4,271 | 36,259 | 24,656 | 1,542 | 0.46 | 32.025 | - | 32.000 | H7 | 22.000 | - | 21.967 | h8 |
| PSL-K-7/8-C | 155 | 4,271 | 36,258 | 24,655 | 1,542 | 0.46 | 32.025 | - | 32.000 | H7 | 22.225 | - | 22.192 | h8 |
| PSL-K-24-C | 170 | 4,271 | 33,359 | 23,206 | 1,804 | 0.49 | 34.025 | - | 34.000 | H7 | 24.000 | - | 23.967 | h8 |
| PSL-K-25-C | 177 | 4,271 | 31,908 | 23,206 | 1,780 | 0.46 | 34.025 | - | 34.000 | H7 | 25.000 | - | 24.967 | h8 |
| PSL-K-1-C | 177 | 4,271 | 31,907 | 23,205 | 1,780 | 0.46 | 34.025 | - | 34.000 | H7 | 25.040 | - | 25.007 | h8 |
| PSL-K-28-C | 280 | 6,070 | 31,908 | 23,206 | 4,817 | 0.86 | 39.025 | - | 39.000 | H7 | 28.000 | - | 27.967 | h8 |
| PSL-K-30-C | 295 | 6,070 | 30,458 | 21,756 | 5,458 | 0.88 | 41.025 | - | 41.000 | H7 | 30.000 | - | 29.967 | h8 |
| PSL-K-32-C | 317 | 6,070 | 27,557 | 20,305 | 6,170 | 0.94 | 43.025 | - | 43.000 | H7 | 32.000 | - | 31.961 | h8 |
| PSL-K-35-C | 465 | 8,093 | 30,458 | 21,756 | 8,685 | 1.16 | 47.025 | - | 47.000 | H7 | 35.000 | - | 34.961 | h8 |
| PSL-K-38-C | 502 | 8,026 | 30,458 | 23,206 | 10,109 | 1.28 | 50.025 | - | 50.000 | H7 | 38.000 | - | 37.961 | h8 |
| PSL-K-40-C | 531 | 8,093 | 23,206 | 17,405 | 12,126 | 1.32 | 53.030 | - | 53.000 | H7 | 40.000 | - | 39.961 | h8 |
| PSL-K-42-C | 553 | 8,026 | 24,656 | 18,855 | 13,313 | 1.45 | 55.030 | - | 55.000 | H7 | 42.000 | - | 41.961 | h8 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | | | | | | Screws | | | |
|-------------|------------|---------|----------|----------|---------|---------|-----------|-----------|----------|----------|--------|-----------|------|-------------|
| | d mm | D mm | D1 mm | D2 mm | P mm | L mm | L1* mm | L2* mm | L3 mm | L4 mm | No. | Dim M1 | M2 | Tt In-lb |
| PSL-K-6-C | 6 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-1/4-C | 6.35 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-7-C | 7 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-8-C | 8 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-9-C | 9 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-3/8-C | 9.525 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-10-C | 10 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-11-C | 11 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 35 |
| PSL-K-12-C | 12 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-1/2-C | 12.7 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-14-C | 14 | 22 | 35 | 33 | 27 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 35 |
| PSL-K-15-C | 15 | 23 | 39 | 36 | 29 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-5/8-C | 15.875 | 24 | 40 | 37 | 30 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-16-C | 16 | 24 | 40 | 37 | 30 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-17-C | 17 | 26 | 42 | 39 | 32 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-18-C | 18 | 26 | 42 | 39 | 32 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-19-C | 19 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-3/4-C | 19.05 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-20-C | 20 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 71 |
| PSL-K-22-C | 22 | 32 | 48 | 45 | 38 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-7/8-C | 22.225 | 32 | 48 | 45 | 38 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-24-C | 24 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-25-C | 25 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-1-C | 25.4 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 71 |
| PSL-K-28-C | 28 | 39 | 62 | 59 | 47 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-30-C | 30 | 41 | 64 | 61 | 49 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-32-C | 32 | 43 | 66 | 63 | 51 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 124 |
| PSL-K-35-C | 35 | 47 | 70 | 67 | 55 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-38-C | 38 | 50 | 73 | 70 | 58 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-40-C | 40 | 53 | 76 | 73 | 61 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |
| PSL-K-42-C | 42 | 55 | 78 | 75 | 63 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 124 |

* = Reference dimension
Tt = Screw tightening torque





Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces. Materials optimized for corrosion protection.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Flanged design better exposes the actuation screws to simplify installation and disassembly.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout.
- Small ID / OD dimensions allow a smaller component to be mounted, saving on the moment of inertia, cost, and weight.
- Stainless Steel material provides corrosion protection.

Specifications

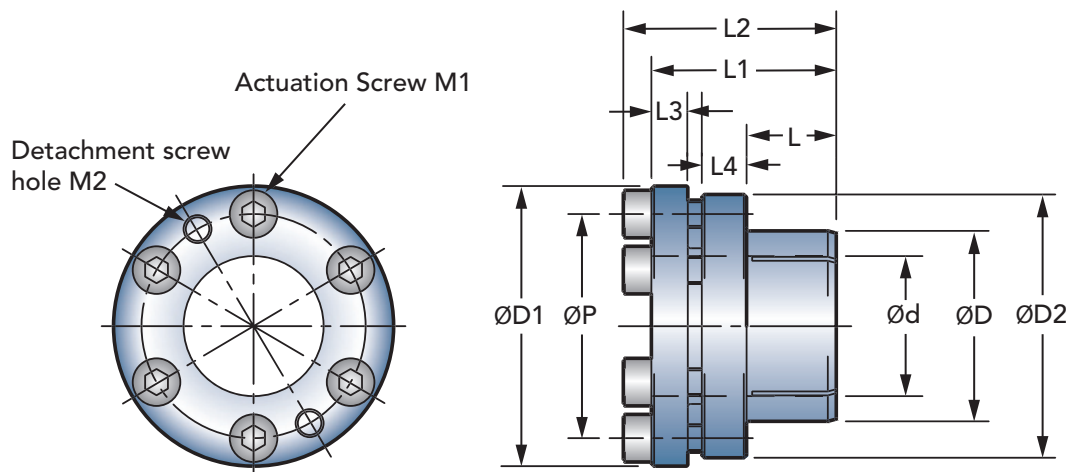
| Model | Transmittable | | | | Polar moment of inertia lb ft ² x 10 ⁻⁶ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|-------------|---------------|-----------|-------------------------------|-----------------------------|--|--------------|--------------------|-------------------|--------|-------------------|-------------------|-------|--------|----|
| | T lb ft | FA lbf | Shaft Contact Pressure PSI | Hub Contact Pressure PSI | | | Upper Limit mm | Lower Limit mm | Grade | Upper Limit mm | Lower Limit mm | Grade | | |
| PSL-K-6-F | 3 | 1,560 | 17,405 | 8,702 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.000 | - | 5.982 | h8 |
| PSL-K-1/4-F | 4 | 1,560 | 17,525 | 8,762 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 6.350 | - | 6.328 | h8 |
| PSL-K-7-F | 4 | 1,560 | 14,704 | 8,822 | 59 | 0.08 | 12.018 | - | 12.000 | H7 | 7.000 | - | 6.978 | h8 |
| PSL-K-8-F | 13 | 4,720 | 34,049 | 17,765 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 8.000 | - | 7.978 | h8 |
| PSL-K-9-F | 15 | 4,720 | 29,808 | 17,885 | 119 | 0.12 | 15.018 | - | 15.000 | H7 | 9.000 | - | 8.978 | h8 |
| PSL-K-3/8-F | 16 | 4,720 | 30,008 | 15,004 | 185 | 0.15 | 18.018 | - | 18.000 | H7 | 9.525 | - | 9.503 | h8 |
| PSL-K-10-F | 17 | 4,720 | 27,187 | 15,104 | 183 | 0.15 | 18.018 | - | 18.000 | H7 | 10.000 | - | 9.978 | h8 |
| PSL-K-11-F | 18 | 4,720 | 24,326 | 15,204 | 180 | 0.14 | 18.018 | - | 18.000 | H7 | 11.000 | - | 10.973 | h8 |
| PSL-K-12-F | 27 | 6,240 | 30,608 | 18,365 | 237 | 0.17 | 20.021 | - | 20.000 | H7 | 12.000 | - | 11.973 | h8 |
| PSL-K-1/2-F | 30 | 6,240 | 30,808 | 16,944 | 237 | 0.16 | 20.021 | - | 20.000 | H7 | 12.700 | - | 12.673 | h8 |
| PSL-K-14-F | 32 | 6,240 | 26,356 | 17,054 | 308 | 0.18 | 22.021 | - | 22.000 | H7 | 14.000 | - | 13.973 | h8 |
| PSL-K-15-F | 56 | 10,160 | 35,889 | 23,406 | 570 | 0.28 | 23.021 | - | 23.000 | H7 | 15.000 | - | 14.973 | h8 |
| PSL-K-16-F | 59 | 10,160 | 32,978 | 21,985 | 641 | 0.29 | 24.021 | - | 24.000 | H7 | 16.000 | - | 15.973 | h8 |
| PSL-K-17-F | 65 | 10,160 | 31,608 | 20,545 | 783 | 0.32 | 26.021 | - | 26.000 | H7 | 17.000 | - | 16.973 | h8 |
| PSL-K-18-F | 65 | 10,160 | 30,217 | 20,675 | 759 | 0.31 | 26.021 | - | 26.000 | H7 | 18.000 | - | 17.973 | h8 |
| PSL-K-19-F | 71 | 10,160 | 28,807 | 19,205 | 949 | 0.34 | 28.021 | - | 28.000 | H7 | 19.000 | - | 18.967 | h8 |
| PSL-K-20-F | 77 | 10,160 | 27,376 | 19,325 | 925 | 0.33 | 28.021 | - | 28.000 | H7 | 20.000 | - | 19.967 | h8 |
| PSL-K-22-F | 124 | 15,200 | 32,408 | 21,065 | 1,542 | 0.46 | 32.025 | - | 32.000 | H7 | 22.000 | - | 21.967 | h8 |
| PSL-K-24-F | 136 | 15,200 | 29,347 | 19,565 | 1,804 | 0.49 | 34.025 | - | 34.000 | H7 | 24.000 | - | 23.967 | h8 |
| PSL-K-25-F | 142 | 15,200 | 27,886 | 19,685 | 1,780 | 0.46 | 34.025 | - | 34.000 | H7 | 25.000 | - | 24.967 | h8 |
| PSL-K-28-F | 224 | 21,600 | 28,056 | 19,805 | 4,817 | 0.86 | 39.025 | - | 39.000 | H7 | 28.000 | - | 27.967 | h8 |
| PSL-K-30-F | 236 | 21,600 | 26,566 | 19,925 | 5,458 | 0.88 | 41.025 | - | 41.000 | H7 | 30.000 | - | 29.967 | h8 |
| PSL-K-32-F | 254 | 21,600 | 25,056 | 18,374 | 6,170 | 0.94 | 43.025 | - | 43.000 | H7 | 32.000 | - | 31.961 | h8 |
| PSL-K-35-F | 372 | 28,800 | 26,886 | 20,165 | 8,685 | 1.16 | 47.025 | - | 47.000 | H7 | 35.000 | - | 34.961 | h8 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | | | | | | Screws | | | |
|-------------|------------|---------|----------|----------|---------|---------|-----------|-----------|----------|----------|--------|-----------|------|-------------|
| | d mm | D mm | D1 mm | D2 mm | P mm | L mm | L1* mm | L2* mm | L3 mm | L4 mm | No. | Dim M1 | M2 | Tt In-lb |
| PSL-K-6-F | 6 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-1/4-F | 6.35 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-7-F | 7 | 12 | 25 | 23 | 17 | 10 | 20 | 24 | 3.5 | 5 | 2 | M4 x 8 | 2-M4 | 18 |
| PSL-K-8-F | 8 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 31 |
| PSL-K-9-F | 9 | 15 | 28 | 26 | 20 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 31 |
| PSL-K-3/8-F | 9.525 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 31 |
| PSL-K-10-F | 10 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 31 |
| PSL-K-11-F | 11 | 18 | 31 | 29 | 23 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 3-M4 | 31 |
| PSL-K-12-F | 12 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 31 |
| PSL-K-1/2-F | 12.7 | 20 | 33 | 31 | 25 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 31 |
| PSL-K-14-F | 14 | 22 | 35 | 33 | 27 | 12 | 24 | 28 | 5 | 5 | 3 | M4 x 10 | 2-M4 | 31 |
| PSL-K-15-F | 15 | 23 | 39 | 36 | 29 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 62 |
| PSL-K-16-F | 16 | 24 | 40 | 37 | 30 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 62 |
| PSL-K-17-F | 17 | 26 | 42 | 39 | 32 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 62 |
| PSL-K-18-F | 18 | 26 | 42 | 39 | 32 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 62 |
| PSL-K-19-F | 19 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 62 |
| PSL-K-20-F | 20 | 28 | 44 | 41 | 34 | 14 | 29 | 34 | 6 | 7 | 4 | M5 x 12 | 2-M5 | 62 |
| PSL-K-22-F | 22 | 32 | 48 | 45 | 38 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 62 |
| PSL-K-24-F | 24 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 62 |
| PSL-K-25-F | 25 | 34 | 50 | 47 | 40 | 16 | 33 | 38 | 6.5 | 8 | 6 | M5 x 14 | 2-M5 | 62 |
| PSL-K-28-F | 28 | 39 | 62 | 59 | 47 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 106 |
| PSL-K-30-F | 30 | 41 | 64 | 61 | 49 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 106 |
| PSL-K-32-F | 32 | 43 | 66 | 63 | 51 | 20 | 39 | 45 | 7.5 | 9 | 6 | M6 x 16 | 2-M6 | 106 |
| PSL-K-35-F | 35 | 47 | 70 | 67 | 55 | 22 | 43 | 49 | 8 | 10 | 8 | M6 x 18 | 2-M6 | 106 |

* = Reference dimension
Tt = Screw tightening torque





Design / Operation

A mechanical locking wedge is formed as the actuation screws are tightened, pressing the inner sleeve against the shaft and outer sleeve against the hub. The resulting locking connection transmits torque and resists axial forces. Unit has a stepped flange, which engages the bore and enhances the concentricity of the connection.

Features

- Provides a solid connection between the shaft and mounted component. Simple locking design does not require the use of keyways.
- Ease of mounting – socket head capscrews tighten quickly and easily.
- Excellent concentricity – only minimal radial and axial runout, enhanced by stepped flange that engages the mounted component.

Specifications

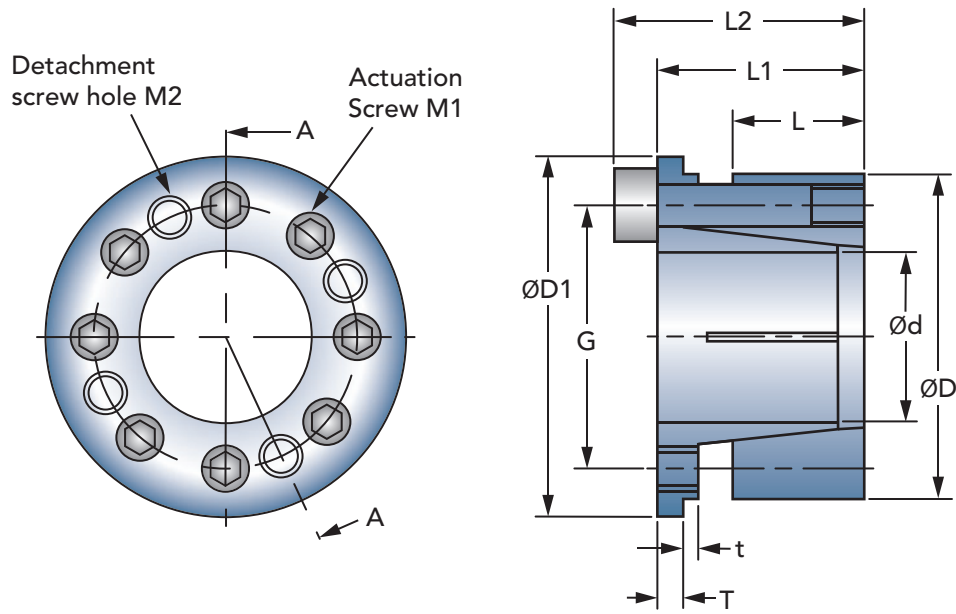
| Model | Transmittable | | | | Polar moment of inertia lb ft ² x10 ⁻⁴ | Weight Lb | Hub Bore Tolerance | | | Shaft Tolerance | | | | |
|----------|---------------|--------|---------------|--------------|---|--------------|--------------------|-------------|--------|-----------------|-------------|-------|--------|----|
| | T | FA | Shaft Contact | Hub Contact | | | Upper Limit | Lower Limit | Grade | Upper Limit | Lower Limit | Grade | | |
| | lb ft | lbf | Pressure PSI | Pressure PSI | | | mm | mm | | mm | mm | | | |
| PSL-M-20 | 159 | 4,856 | 34,517 | 18,855 | 9 | 0.32 | 38.025 | - | 38.000 | H7 | 20.000 | - | 19.979 | h7 |
| PSL-M-22 | 188 | 5,081 | 31,472 | 16,969 | 10 | 0.36 | 40.025 | - | 40.000 | H7 | 22.000 | - | 21.979 | h7 |
| PSL-M-24 | 268 | 6,722 | 26,686 | 16,099 | 13 | 0.40 | 42.025 | - | 42.000 | H7 | 24.000 | - | 23.979 | h7 |
| PSL-M-25 | 289 | 7,059 | 25,380 | 14,794 | 15 | 0.41 | 43.025 | - | 43.000 | H7 | 25.000 | - | 24.979 | h7 |
| PSL-M-28 | 325 | 7,059 | 28,281 | 17,259 | 19 | 0.43 | 46.025 | - | 46.000 | H7 | 28.000 | - | 27.979 | h7 |
| PSL-M-30 | 369 | 7,486 | 26,395 | 16,534 | 22 | 0.46 | 48.025 | - | 48.000 | H7 | 30.000 | - | 29.979 | h7 |
| PSL-M-32 | 391 | 7,486 | 23,060 | 15,084 | 27 | 0.48 | 50.025 | - | 50.000 | H7 | 32.000 | - | 31.975 | h7 |
| PSL-M-35 | 651 | 10,701 | 25,235 | 16,534 | 50 | 0.72 | 57.030 | - | 57.000 | H7 | 35.000 | - | 34.975 | h7 |
| PSL-M-38 | 752 | 11,106 | 26,250 | 19,145 | 62 | 0.80 | 60.030 | - | 60.000 | H7 | 38.000 | - | 37.975 | h7 |
| PSL-M-40 | 796 | 11,308 | 24,220 | 17,985 | 71 | 0.84 | 62.030 | - | 62.000 | H7 | 40.000 | - | 39.975 | h7 |
| PSL-M-42 | 853 | 11,578 | 23,060 | 17,405 | 79 | 0.89 | 64.030 | - | 64.000 | H7 | 42.000 | - | 41.975 | h7 |
| PSL-M-45 | 948 | 12,792 | 20,884 | 16,244 | 94 | 0.96 | 67.030 | - | 67.000 | H7 | 45.000 | - | 44.975 | h7 |
| PSL-M-48 | 1,034 | 13,129 | 23,495 | 18,710 | 113 | 1.01 | 70.030 | - | 70.000 | H7 | 48.000 | - | 47.975 | h7 |
| PSL-M-50 | 1,258 | 15,332 | 26,250 | 20,740 | 127 | 1.07 | 72.030 | - | 72.000 | H7 | 50.000 | - | 49.975 | h7 |

T = Transmittable torque when axial force is zero. FA = Transmittable axial force when torque is zero. (Rated thrust) ISO286-2 System of Limits and Fits



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Dimensions

| Model | Dimensions | | | | | | | | | Screws | | Tightening Torque | Detachment Screw Hole | |
|----------|------------|---------|----------|---------|---------|-----------|-----------|---------|---------|--------|-----------|-------------------|-----------------------|-----------|
| | d mm | D mm | D1 mm | G mm | L mm | L1* mm | L2* mm | T mm | t mm | No. | Dim M1 | Tt In-lb | No. | Dim M2 |
| PSL-M-20 | 20 | 38 | 42 | 30.8 | 15.3 | 24.1 | 29.1 | 3 | 1.8 | 8 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-22 | 22 | 40 | 44 | 32.8 | 15.3 | 24.1 | 29.1 | 3 | 1.8 | 8 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-24 | 24 | 42 | 46 | 34.8 | 16.3 | 25.1 | 30.1 | 3 | 1.8 | 8 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-25 | 25 | 43 | 47 | 35.8 | 17.3 | 26.1 | 31.1 | 3 | 1.8 | 8 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-28 | 28 | 46 | 50 | 38.8 | 17.3 | 26.6 | 31.6 | 3.5 | 1.8 | 10 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-30 | 30 | 48 | 52 | 40.8 | 17.3 | 26.6 | 31.6 | 3.5 | 1.8 | 10 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-32 | 32 | 50 | 54 | 42.8 | 18.3 | 27.6 | 32.6 | 3.5 | 1.8 | 10 | M5 x 18 | 78 | 4 | M5 |
| PSL-M-35 | 35 | 57 | 62 | 48.4 | 19.5 | 30 | 36 | 4 | 2 | 8 | M6 x 20 | 139 | 4 | M6 |
| PSL-M-38 | 38 | 60 | 65 | 51.4 | 20 | 30.5 | 36.5 | 4 | 2 | 10 | M6 x 20 | 139 | 4 | M6 |
| PSL-M-40 | 40 | 62 | 67 | 53.4 | 20.5 | 31 | 37 | 4 | 2 | 10 | M6 x 20 | 139 | 4 | M6 |
| PSL-M-42 | 42 | 64 | 69 | 55.4 | 20.5 | 31 | 37 | 4 | 2 | 10 | M6 x 20 | 139 | 4 | M6 |
| PSL-M-45 | 45 | 67 | 72 | 58.4 | 21 | 31.5 | 37.5 | 4 | 2 | 10 | M6 x 20 | 139 | 4 | M6 |
| PSL-M-48 | 48 | 70 | 75 | 61.4 | 21 | 32 | 38 | 4.5 | 2 | 12 | M6 x 20 | 139 | 4 | M6 |
| PSL-M-50 | 50 | 72 | 77 | 63.4 | 21.5 | 32.5 | 38.5 | 4.5 | 2 | 14 | M6 x 20 | 139 | 4 | M6 |

* = Reference dimension
Tt = Screw tightening torque



Calculations may also be performed using the Online Calculator on our website: www.zero-max.com

Sizing for Torque:

- Calculate the Application's Torque (T):

$$T_a \text{ (lb-ft)} = \frac{\text{HP} \times 5252}{\text{RPM}}$$

- Determine appropriate Service Factor from the chart below (SF):

| Load Conditions | Constant | Fluctuation: Small | Fluctuation: Medium | Fluctuation: Large |
|-----------------|----------|--------------------|---------------------|--------------------|
| Service Factor | 1.0 | 1.25 | 1.75 | 2.25 |

- Determine Design Torque (T_d):

$$T_d = T_a \times \text{SF}$$

- Select a Posi-Lok that has a Transmittable Torque Rating that meets or exceeds the Design Torque (T_d, lb-ft)

Sizing for Axial Force:

- Calculate the Application's Axial Force (F_a, lbs):
- Determine appropriate Service Factor for the Axial Force from the chart below:

| Load Conditions | Constant | Fluctuation: Small | Fluctuation: Medium | Fluctuation: Large |
|-----------------|----------|--------------------|---------------------|--------------------|
| Service Factor | 1.0 | 1.25 | 1.75 | 2.25 |

- Determine Design Axial Force (F_d, lbs):

$$F_d = F_a \times \text{SF}$$

- Select a Posi-Lok that has a Transmittable Axial Force Rating that meets or exceeds the Design Axial Force (F_d, lbs)

Sizing for Combined Torque and Axial Force:

- Calculate the combined torque and axial load (T_c, lb-ft)

$$T_c = \sqrt{T_d^2 + (F_d \times d / 609.6)^2}$$

T_c = combined torque and axial load (calculated in equivalent lb-ft units)

T_d = Design Torque (see above, lb-ft)

F_d = Design Axial Force (see above, lbs)

d = Diameter of shaft (mm)

- Select a Posi-Lok that has a Transmittable Torque Rating that meets or exceeds the Combined Torque and Axial Force (T_c, lb-ft)

Minimum Outside Diameter for the Hub:

- Determine the Minimum Outside Diameter for the Hub:

$$\text{Hub}_{\text{Min OD}} = D \sqrt{\frac{\delta_{0.2N} + CP_2}{\delta_{0.2N} - CP_2}}$$

Hub_{Min OD} = Minimum Hub Outside Diameter (mm)

D = Bore Diameter inside hub (to match the OD of the Posi-Lok) (mm)

δ_{0.2N} = Yield Stress of Hub Material (psi)

Note: Refer to Yield Strength Chart on the next page. Chart is intended as a general guideline only; your particular material may vary.

C = Coefficient – reference B and L dimensions in the diagrams shown on the next page.

C = 1.0 when B = L

C = 0.8 when L < B < 2L

C = 0.6 when B ≥ 2L

P₂ = Hub Contact Pressure (see catalog data sheet) (psi)

- Design the hub outside diameter to meet or exceed the calculated Minimum Outside Hub Diameter

Maximum Inside Diameter for a Hollow Shaft (if applicable):

- Determine the Maximum Inside Diameter for a Hollow Shaft

$$D_{\text{Max ID}} = D \sqrt{\frac{\delta_{0.2N} - 2CP_1}{\delta_{0.2N}}}$$

D_{Max ID} = Maximum Hub Inside Diameter for a Hollow Shaft (mm)

D = Outside Shaft Diameter (to match the ID of the Posi-Lok) (mm)

δ_{0.2N} = Yield Stress of Shaft Material (psi)

Note: Refer to Yield Stress Chart.

Chart is intended as a general guideline; your particular material may vary.

C = Coefficient = 0.6 if using single Posi-Lok in installation
= 0.8 if using multiple Posi-Loks in installation

P₁ = Shaft Contact Pressure (see catalog data sheet) (psi)

- Design a hollow shaft inside diameter that meets, or is less than, the calculated Maximum Inside Diameter

Surface Finish

- Recommended Surface Finish:

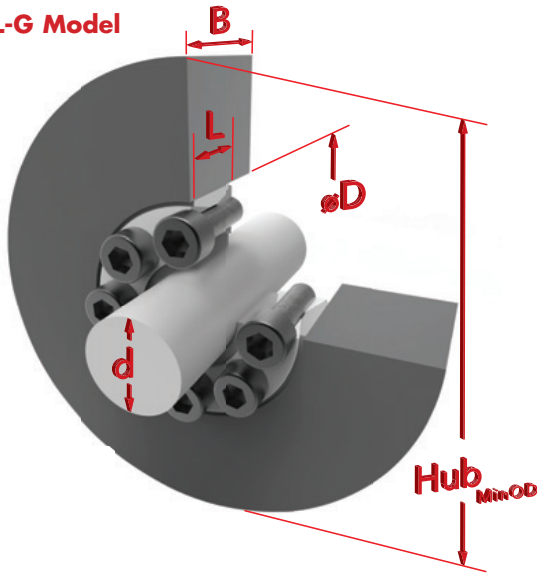
Ra = 3.2 μm or less

Temperature Range

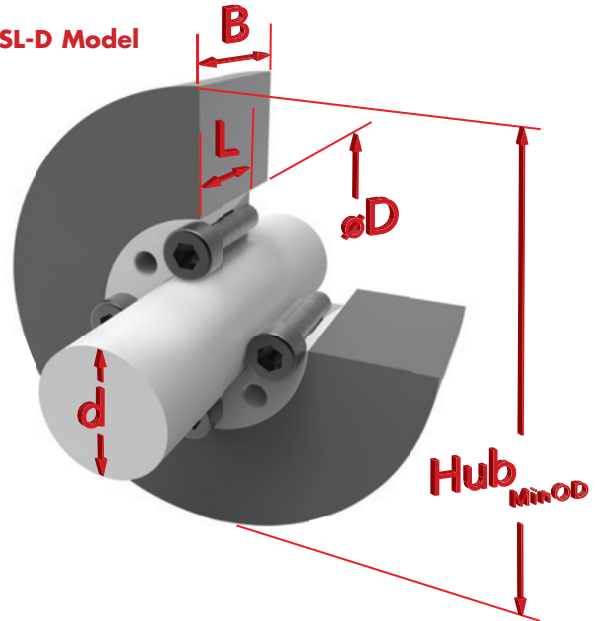
- Temperature Range for all Posi-Loks:

-40° C to +150° C / -40° F to + 302° F

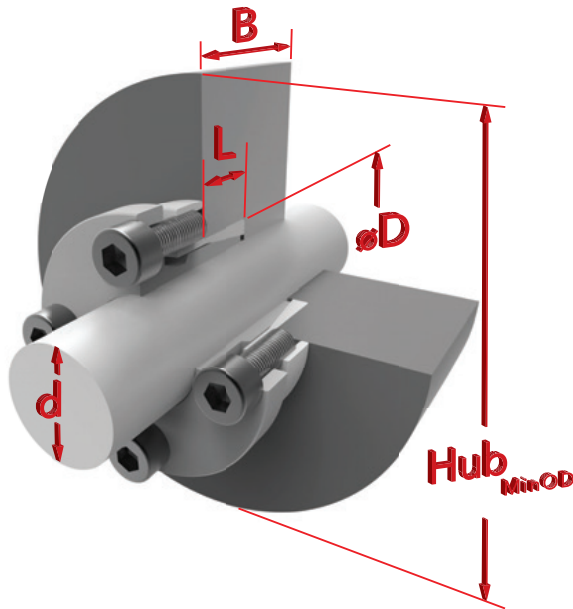
PSL-G Model



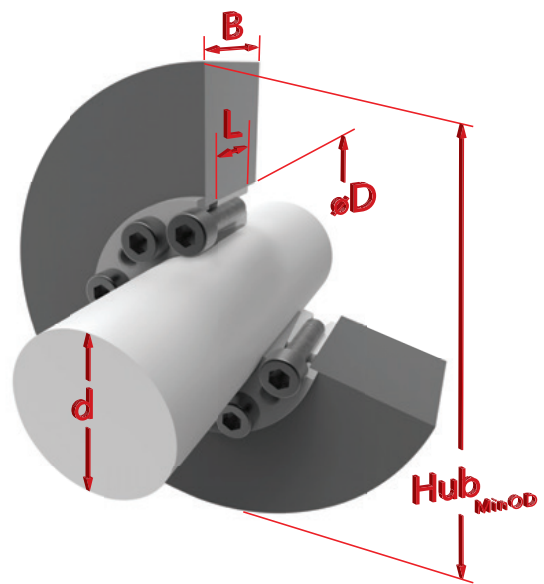
PSL-D Model



PSL-K Model



PSL-M Model



Yield Stress

(general guideline, verify your particular material)

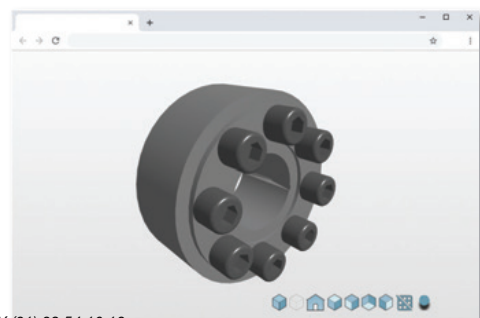
| | |
|-----------------------------------|----------------------|
| Low Carbon Steel | |
| hot rolled | 32,000 - 36,000 psi |
| cold finished | 50,000 - 60,000 psi |
| Stressproof Steel | 90,000 - 100,000 psi |
| 300 series Stainless Steel | |
| hot rolled | 32,000 - 35,000 psi |
| cold finished | 40,000 - 45,000 psi |

Note: If using Aluminum hub material, please contact factory



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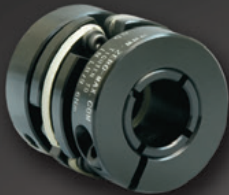
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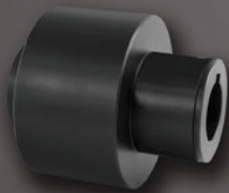
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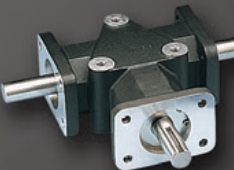
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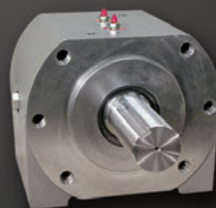
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