

Shaft Supports Flanged Mount, Thick Sleeve

Standard / Long Sleeve / With Pilot / With Dowel Holes

■ **Features:** Thicker sleeve than the standard type P233 enhances strength against falling.

■ **Standard**

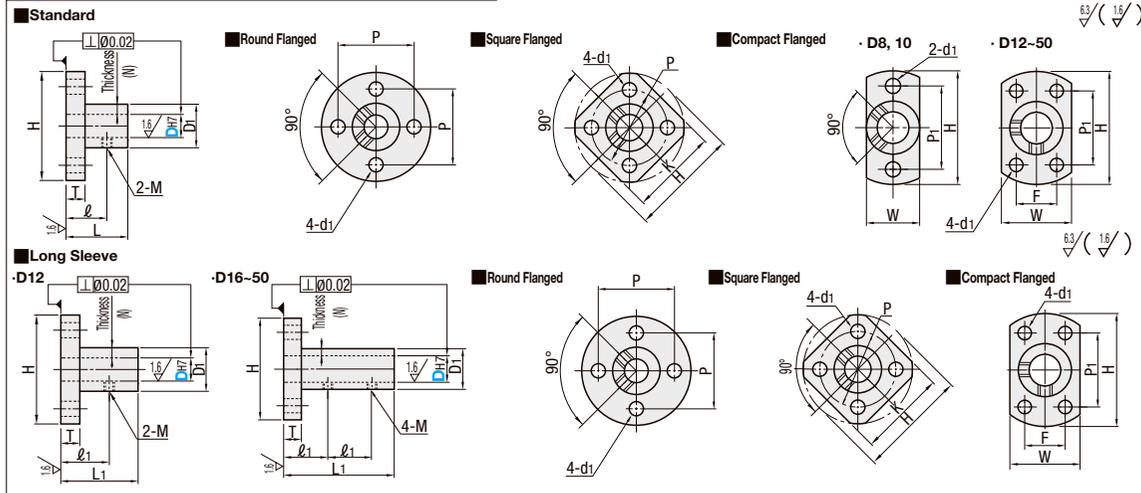


■ **Long Sleeve**



| Type | Round Flanged | Square Flanged | Compact Flanged | Material | Surface Treatment |
|-------------|---------------|----------------|-----------------|------------------|----------------------------|
| Standard | STHRBN | STHSBN | STHCBN | General | Black Oxide |
| | STHRN | STHSN | STHCN | Structural Steel | Electroless Nickel Plating |
| | SSTHRN | SSTHSN | SSTHCN | SUS304 | - |
| Long Sleeve | STHRBNL | STHSBNL | STHCBNL | Aluminum Alloy | Clear Anodize |
| | STHRNL | STHSNL | STHCNL | General | Black Oxide |
| | SSTHRNL | SSTHSNL | SSTHCNL | Structural Steel | Electroless Nickel Plating |
| | | | | SUS304 | - |

⚠ See Alterations section for inclusion of a Hex Socket Set Screw.



| Part Number | Type | DH7 | Sleeve Thickness (N) | L | L1 | D1 | H | T | l | l1 | M (Coarse) | P | K | W | P1 | F | d1 | Unit Price | | |
|---|----------------|-----------------|----------------------|-----|----|-----|----|-----|----|----|------------|----|----|----|----|----|----|---------------|-----------------|--|
| | | | | | | | | | | | | | | | | | | Round Flanged | Compact Flanged | |
| Standard | | 8 ² | +0.015 | 3.5 | 16 | - | 15 | 32 | 5 | 10 | - | M3 | 25 | 25 | 15 | 25 | - | 3.5 | | |
| Round Flanged | Square Flanged | 10 ² | 0 | 5 | 24 | 30 | 22 | 40 | 15 | 15 | - | M3 | 30 | 30 | 20 | 30 | - | 4.5 | | |
| STHRBN | STHSBN | 12 ² | | | 24 | 30 | 22 | 40 | 15 | 15 | | M3 | 32 | 32 | 25 | 28 | 16 | | | |
| STHRN | STHSN | 13 | +0.018 | 5.5 | 26 | - | 24 | 42 | 16 | - | M4 | 34 | 34 | 27 | 28 | 18 | | | | |
| SSTHRN | SSTHSN | 15 | 0 | 5.5 | 30 | - | 26 | 48 | 18 | - | M4 | 38 | 38 | 29 | 32 | 18 | | | | |
| (Only for D dimension denoted with ² mark) | | 16 ² | | 6 | 32 | 48 | 28 | 50 | 19 | 16 | | 40 | 39 | 32 | 33 | 22 | | | | |
| STHRNA | STHCNA | 20 ² | | 7.5 | 38 | 57 | 35 | 63 | 20 | 19 | M5 | 50 | 48 | 40 | 42 | 25 | | | | |
| STHRNL | STHSBNL | 25 ² | +0.021 | 7.5 | 40 | 68 | 40 | 68 | 23 | 19 | M5 | 55 | 53 | 45 | 45 | 30 | | | | |
| STHRNL | STHSNL | 30 ² | 0 | 7.5 | 45 | 73 | 45 | 73 | 24 | 19 | M5 | 60 | 58 | 50 | 48 | 35 | | | | |
| STHRNL | STHSNL | 35 ² | | 10 | 55 | 89 | 55 | 89 | 24 | 19 | M6 | 72 | 70 | 61 | 58 | 42 | | | | |
| STHRNL | STHSNL | 40 ² | +0.025 | 10 | 70 | 104 | 70 | 104 | 25 | 25 | M6 | 87 | 80 | 76 | 68 | 54 | | | | |
| STHRNL | STHSNL | 50 ² | 0 | 15 | 80 | 114 | 80 | 114 | 30 | 25 | M8 | 97 | 90 | 86 | 73 | 64 | | | | |

⚠ Clear and black anodized products are available for D dimension denoted with ² mark only. ⚠ Long Sleeve Type is available only for D dimension denoted with ¹ mark.

■ **Standard**

| D | Unit Price | | | | | | | | | | | | |
|----|---------------|-------|--------|--------|----------------|-------|--------|--------|-----------------|--------|--------|--|--|
| | Round Flanged | | | | Square Flanged | | | | Compact Flanged | | | | |
| | STHRBN | STHRN | SSTHRN | STHRNA | STHSBN | STHSN | SSTHSN | STHCBN | STHCN | SSTHCN | STHCNA | | |
| 8 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |

■ **Long Sleeve**

| D | Unit Price | | | | | | | | |
|----|---------------|--------|---------|----------------|--------|---------|-----------------|--------|---------|
| | Round Flanged | | | Square Flanged | | | Compact Flanged | | |
| | STHRBNL | STHRNL | SSTHRNL | STHSBNL | STHSNL | SSTHSNL | STHCBNL | STHCNL | SSTHCNL |
| 12 | | | | | | | | | |
| 16 | | | | | | | | | |
| 20 | | | | | | | | | |
| 25 | | | | | | | | | |
| 30 | | | | | | | | | |
| 35 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |

■ **Features:** Easy positioning during assembly.

■ **With Pilot**



| Round Flanged | Compact Flanged | Material | Surface Treatment |
|---------------|-----------------|------------------|----------------------------|
| STHRBN | STHCBN | General | Black Oxide |
| STHRN | STHCN | Structural Steel | Electroless Nickel Plating |

⚠ See Alterations section for inclusion of a Hex Socket Set Screw.

| Part Number | Type | DH7 | Sleeve Thickness (N) | L | D1 | H | T | l | M (Coarse) | P | W | P1 | F | d1 | Unit Price | |
|---------------|-----------------|-----|----------------------|-----|----|----|----|----|------------|----|----|----|----|----|---------------|-----------------|
| | | | | | | | | | | | | | | | Round Flanged | Compact Flanged |
| Round Flanged | Compact Flanged | 8 | +0.015 | 3.5 | 18 | 15 | 32 | 5 | 14 | M3 | 25 | 15 | 25 | - | 3.5 | |
| | | 8M | 0 | 5 | 20 | 20 | 38 | 6 | 15 | M3 | 30 | 20 | 30 | - | 4.5 | |
| | | 10 | +0.018 | 6 | 24 | 22 | 40 | 6 | 18 | M4 | 32 | 25 | 28 | 16 | | |
| | | 12 | 0 | 6 | 32 | 28 | 50 | 8 | 22 | M4 | 40 | 32 | 33 | 22 | | |
| | | 16 | +0.021 | 7.5 | 32 | 35 | 63 | 8 | 24 | M5 | 50 | 40 | 42 | 25 | | |
| | | 25 | 0 | 7.5 | 40 | 68 | 73 | 10 | 27 | M5 | 55 | 45 | 45 | 30 | | |
| 30 | | | | 45 | 73 | 10 | 29 | M6 | 60 | 50 | 48 | 35 | | | | |

■ **With Dowel Holes**



| Round Flanged | Compact Flanged | Material | Surface Treatment |
|---------------|-----------------|------------------|----------------------------|
| STHRBNK | STHCBNK | General | Black Oxide |
| - | STHCNK | Structural Steel | Electroless Nickel Plating |

⚠ See Alterations section for inclusion of a Hex Socket Set Screw.

| Part Number | Type | DH7 | Sleeve Thickness (N) | L | D1 | H | T | l | M (Coarse) | P | W | P1 | F | d1 | Q | Unit Price | |
|---------------|-----------------|-----|----------------------|-----|----|----|----|----|------------|----|----|----|----|----|-----|---------------|-----------------|
| | | | | | | | | | | | | | | | | Round Flanged | Compact Flanged |
| Round Flanged | Compact Flanged | 12 | +0.018 | 5 | 24 | 22 | 40 | 6 | 15 | M4 | 32 | 25 | 28 | 16 | 4.5 | 4 | |
| | | 16 | 0 | 6 | 32 | 28 | 50 | 6 | 19 | M4 | 40 | 32 | 33 | 22 | 5.5 | | |
| | | 20 | +0.021 | 7.5 | 35 | 63 | 8 | 20 | 23 | M5 | 50 | 40 | 42 | 25 | | | |
| | | 25 | 0 | 7.5 | 40 | 68 | 8 | 23 | 23 | M5 | 55 | 45 | 45 | 30 | 6.6 | | |
| | | 30 | | | 45 | 73 | 10 | 24 | 24 | M6 | 60 | 50 | 48 | 35 | | | |

Ordering Example: Part Number STHRBN10, STHRNL20, STHCBN8M

Alterations: Part Number - (MB) STHRBN10 - MB, STHRNL12 - MB

| Alterations | Hex Socket Set Screw Included |
|-------------|--|
| Code | MB |
| Spec. | Hex socket set screws come with as a set. Screw head may protrude from outer cylinder (D1). ⚠ Included screws are SCM435 (Black Oxide) for Black Oxide and Black Anodized products. ⚠ Products other than above are SUS products. ⚠ Long Sleeve Type comes with 4 set screws; others come with 2 set screws. |
| | D x Length |
| | 8, 10 M3x3 |
| | 8M, 12, 13, 15, 16 M4x3 |
| | 20, 25 M5x4 |
| | 30, 35 M6x5 |
| | 40, 50 M8x6 |