

Rotary Shafts

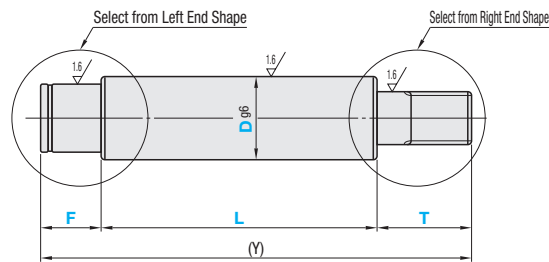
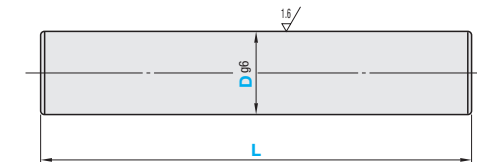
End Shape Selectable



RoHS10

Type	M Material	S Surface Treatment
SFR ☐	EN 1.1191 Equiv.	Black Oxide
PSFR ☐		Electroless Nickel Plating
SSFR ☐	EN 1.4301 Equiv.	-

Base Shape (A Shape on Both Ends)



- ❗ (Y) ≤ D × 50 is required for (Y) dimension.
- ❗ When only one end needs to be machined, select A Shape for the other end.
- ❗ When L dimension is less than the tap pilot hole depth, the pilot hole might go through.
- ❗ Retaining ring is not included for Type F.
- ❗ H and J will not be symmetrical when applied to both ends of the shaft.
- ❗ H and J may be out of phase with other alterations.

Part Number			1mm Increment	0.1mm Increment		1mm Increment			Selection	1mm Increment	C
Type	Left End Shape	Right End Shape	D	L	F, T	B, S	H, U	P, Q	M, N	R, W	
SFR PSFR SSFR	A B C D E F G H J	A B C D E F G H J	6~50	20.0~800.0 (L≤Dx50)	2≤F≤Px5 2≤T≤Qx5	When M, N ≤ 10 2≤B≤Mx3 2≤S≤Nx3 & B≤F-3 S≤T-3 When M, N ≥ 12 2≤B≤Mx3 2≤S≤Nx3 & B≤F-5 S≤T-5	When D, P, Q ≤ 6 2≤H, U When 6 < D, P, Q ≤ 10 3≤H, U When 10 < D, P, Q ≤ 20 4≤H, U When 20 < D, P, Q 5≤H, U	D/3≤P, Q<D	3 4 5 6 8 10 12 16 20 24 30	D≥M+4+R D≥N+4+W R≥M+3 W≥N+3	0.5

④ For D Dimension, 31, 37, 39, 41~44 or 46~49 cannot be specified.

Left End Shape	Right End Shape	Machining Conditions
A 	A 	
B 	B 	For M3-8, M≤D-2 For M10-16, M≤D-3 For M20 or 24, M≤D-4 For M30, M≤D-5
C 	C 	P(Q)=M(N) Specify M(N) Dimension. Specification of P(Q) dimension is not required.
D 	D 	
E 	E 	For M3-8, M(N)≤P(Q)-2 For M10-16, M(N)≤P(Q)-3 For M20 or 24, M(N)≤P(Q)-4 For M30, M(N)≤P(Q)-5
F 	F 	For dimensions of retaining ring grooves (m, d), see P820 .
G 	G 	D dimension 27, 31, 33, 34, 36, 37, 38, 39, 41, 42, 43, 44, 46, 47, 48 or 49 cannot be specified.
H 	H 	For details of hex socket dimensions, see P820 . Applicable when D≤30.
J 	J 	R(W)-M(N)≥t D-R-M≥2 D-W-N≥2

4≤M≤12

4≤N≤12

4≤M≤12

4≤N≤12

Tap Depth Mx2 Nx2

[illegible]

Ordering Example

Part Number - D - L - F - B - H - P - M - T - S - U - Q - N - R - W
SFRCE - D15 - L350 - F20 - B16 - M8 - T20 - Q14 - N6



Alterations

Part Number - D - L - F - B - H - P - M (PMC) - T - S - U - Q - N (QNC) - R - W - (KC, KWC, FC-etc.)
SFRCE - D15 - L350 - F20 - B16 - PMC8 - T20 - Q14 - N6 - LKC

[illegible]