Shaft for Tension

Push Type / Pull Type

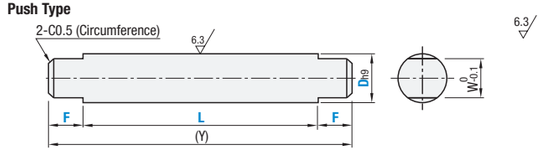
Shaft for Tension – Push Type / Pull Type

Type		D Tolerance	Material	Surface Treatment
Push Type	Pull Type			
NSFMRPS	NSFMRPL	h9	1045 Carbon Steel or Equivalent	—
SFMRPS	SFMRPL			Black Oxide
PSFMRPS	PSFMRPL			Electroless Nickel Plating
SSFMRPS	SSFMRPL		304 Stainless Steel	—

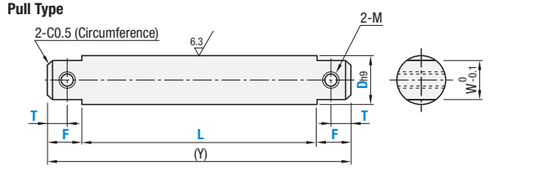
L, Y & T Tolerances

Dimension Over	Dimension To	Dimension Tolerance
3	6	±0.1
6	30	±0.2
30	120	±0.3
120	400	±0.5
400	680	±0.8

Push Type



Pull Type



Part Number Type	D_{h9}		L	F	T	M (Coarse)	W	(Y) max.
Push NSFMRPS SFMRPS PSFMRPS SSFMRPS D6 is not available for SSFMRPS.	6	0 -0.030	20.0–286.0	7.0–15.0	3.0–8.0	2.6	4.5	300
	8	0 -0.036	20.0–384.0	8.0–20.0	4.0–10.0	4	6	400
	10		20.0–482.0	9.0–20.0	5.0–10.0	5	8	500
	12	0 -0.043	30.0–582.0				9	600
	15		30.0–660.0	10.0–25.0	6.0–13.0	6	12	680
Pull NSFMRPL SFMRPL PSFMRPL SSFMRPL D6 is not available for SSFMRPL.	20	0 -0.052	40.0–656.0	12.0–30.0	8.0–15.0	8	16	680
	25		50.0–656.0				20	680
	30		60.0–652.0	14.0–35.0	10.0–18.0	10	25	680
	35	0 -0.062	70.0–648.0	16.0–45.0	12.0–23.0	12	30	680

! L+2F≤(Y)

Part Number Example

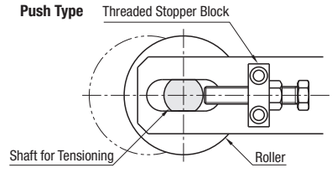
	Part Number	-	L	-	F	-	T
Push	SFMRPS20	-	250	-	F30		
Pull	SFMRPL12	-	300	-	F15	-	T7

Shaft for Tension

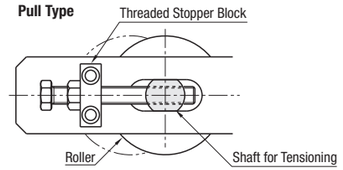
Push Type / Pull Type, *continued*

Application Example

Push Type



Pull Type



Part Number Alterations

Part Number	-	L	-	F	-	T	-	(FC, WFC, SC...etc.)
PSFMRPS15	-	280	-	F13			-	SC10
SSFMRPL25	-	350	-	F18	-	T8	-	SC10

Alterations	Set Screw Flat	Wrench Flats	Retaining Ring Groove
	1 Set Screw Flat: FC 2 Set Screw Flats: WFC		
Code	FC, WFC	SC	TA, TB
Spec.	FC: Adds 1 set screw flat. **Ordering Code:** FC10-G3 WFC: Adds 2 set screw flats. **Ordering Code:** WFC10-J3-W10-V3 ! FC / G / WFC / J / W / V = 1 mm Increment ! G / J / V≤50 ! Processed ends will not be aligned with each other.	Adds a wrench flat. SC = 1 mm Increment ! SC+ℓ2≤L SC=0 or SC≥1 ! Processed ends will not be aligned with each other.	Adds a retaining ring groove. (Applicable retaining rings are included.) TA / TB = 1 mm Increment **Ordering Code:** TA10-TB10 ! For dimensions of the retaining ring groove, **P.853**. ! F(T)+4≤TA(TB)≤L/2

D	H
6–15	1
20–35	2

D	W	ℓ2
6	5	8
8	7	
10	8	10
12	10	
15	13	

D	W	ℓ2
20	17	10
25	22	
30	27	15
35	30	