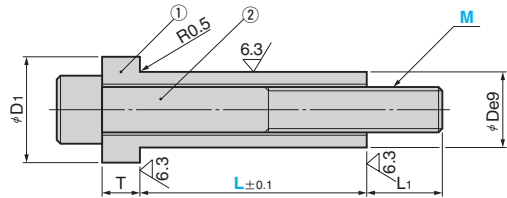


# Spool Retainer

FOR PAD RETENTION

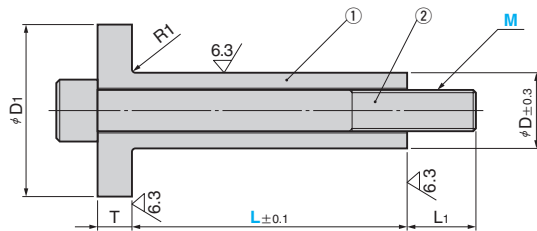
CAD  
FILE

**SPRFH**  
(Flange Hard Type)



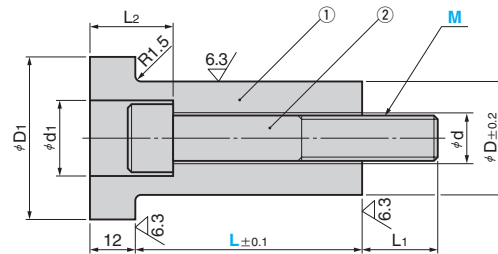
No.	Material	Hardness	Surface Treatment
①	S45C	HRC25 to 30	Black oxide
②	SCM435	to M20 : HRC38 to 43 M24 to : HRC32 to 37	

**SPRFW**  
(Flange Wide Type)



No.	Material	Hardness	Surface Treatment
①	S45C	HRC25 to 30	Black oxide
②	SCM435	to M20 : HRC38 to 43 M24 to : HRC32 to 37	

**SPRZ**  
(Counter-Bore Type)



No.	Material	Hardness	Surface Treatment
①	S45C	HRC25 to 30	Black oxide
②	SCM435	HRC38 to 43	

D	D <sub>1</sub>	T	L <sub>1</sub>	Mate Hole Dim.(ref.)	Allowable Load N (kgf)		Catalog No.	M	L
					Impact and Repeated Load Safety Factor 40	Static Load Safety Factor 5			
22	33	10	20	24	1964 (200)	15714 (1602)	SPRFH	12	50 ~ 80 (Increments of 5 mm) 90 ~ 170 (Increments of 10 mm)
30	44	13	27	32	3681 (375)	29450 (3003)		16	60 ~ 80 (Increments of 5 mm) 90 ~ 180 (Increments of 10 mm)
36	53	16	34	38	5752 (587)	46017 (4692)		20	60 ~ 80 (Increments of 5 mm) 90 ~ 180 (Increments of 10 mm)
44	64	18	42	46	7015 (715)	56117 (5722)		24	60 ~ 80 (Increments of 5 mm) 90 ~ 180 (Increments of 10 mm)
22	50	10	20	34	1964 (200)	15714 (1602)	SPRFW	12	80 ~ 130 (Increments of 10 mm)
30	60	13	27	42	3681 (375)	29450 (3003)		16	80 ~ 130 (Increments of 10 mm)
36	70	16	34	48	5752 (587)	46017 (4692)		20	100 ~ 150 (Increments of 10 mm)
44	80	18	42	56	7015 (715)	56117 (5722)		24	100 ~ 150 (Increments of 10 mm)

D	D <sub>1</sub>	L <sub>1</sub>	d	d <sub>1</sub>	L <sub>2</sub>	Mate Hole Dim.(ref.)	Allowable Load N (kgf)		Catalog No.	M	L Increments of 10 mm
							Impact and Repeated Load Safety Factor 40	Static Load Safety Factor 5			
30	42.7	20	12.7	20	22	32	1964 (200)	15714 (1602)	SPRZ	12	
35	45	25	16.5	26	22	38	3681 (375)	29450 (3003)		16	40 ~ 130
45	57	30	21	32	27	48	5752 (587)	46017 (4692)		20	

Order	Catalog No.	M	-	L
	SPRFW	20	-	120
	SPRZ	16	-	80

**EX** Example

