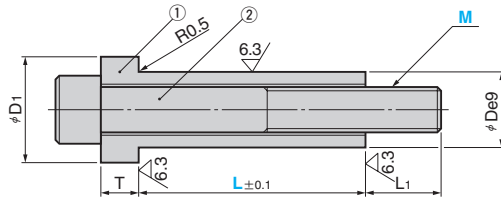


# Spool Retainer Spool Retainer·Extension Bushings

FOR PAD RETENTION

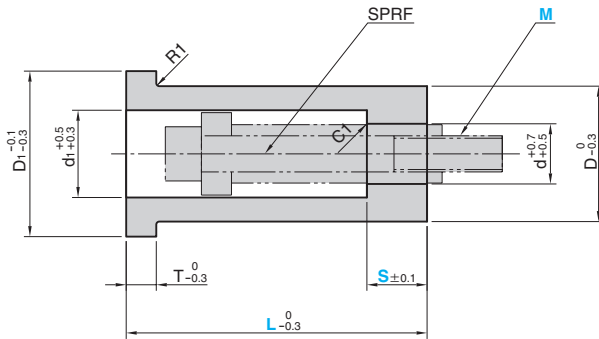
**NEW** CAD FILE

**SPRF**  
(Flange Type)



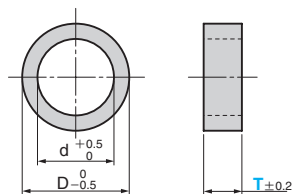
No.	Material	Hardness	Surface Treatment
①	S45C	HRC25 to 30	Black oxide
②	SCM435	to M20 : HRC38 to 43 M24 to : HRC32 to 37	

**SPRFT**



Material : SS400

**Sound absorbing urethane  
SPRU**



Material : Polyester type  
Hardness : ShoreA90

D	D <sub>1</sub>	T	L <sub>1</sub>	Mate Hole Dim. (Tolerance $\begin{smallmatrix} +0.2 \\ +0.5 \end{smallmatrix}$ (ref.))	Allowable Load N (kgf)		Catalog No.	M	L
					Impact and Repeated Load Safety Factor 40	Static Load Safety Factor 5			
13	18	5	15	13	850 (87)	6798 (693)		8	20~90 (Increments of 5mm) 100~120 (Increments of 10mm)
16	24	8	22	16	1349 (138)	10794 (1101)		10	30~90 (Increments of 5mm) 100~150 (Increments of 10mm)
20	28	10	20	20	1964 (200)	15714 (1602)	SPRF	12	40~90 (Increments of 5mm) 100~170 (Increments of 10mm)
25	34	13	27	25	3681 (375)	29450 (3003)		16	50~90 (Increments of 5mm) 100~180 (Increments of 10mm)
32	42.7	16	34	32	5752 (587)	46017 (4692)		20	60~90 (Increments of 5mm) 100~180 (Increments of 10mm)

D <sub>1</sub>	d <sub>1</sub>	T	D	d	Spool Bushing		Catalog No.	M	L	S
					Catalog No.	M				
40	19	5	30	13		8		8		
45	25	8	35	16		10		10	50~120	
55	29	10	45	20	SPRF	12	SPRFT	12		10~30
60	37	13	50	25		16		16		
70	46	16	60	32		20		20	60~150	



Order	Catalog No.	M	L	S
	SPRF	16	100	
	SPRFT	16	120	20

\*Specify the S value for SPRFT.

■ Sound absorbing urethane

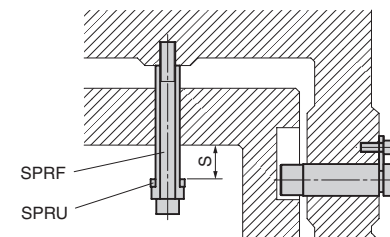
Spool Retainer		D	d	Catalog No.	Nominal Retainer Bolt Diameter M	T
Catalog No.	M					
SPRF	10	24	16		10	5·10
	12	28	20		12	
	16	36	25	SPRU	16	
	20	45	32		20	



Order	Catalog No.	Nominal	T
	SPRU	16	10



Example



\*Rough guideline of S is (pad stroke) - (1 ~ 2 mm).

● Extension Bushing  
Use this when sufficient height is required between the holder and the pad.

