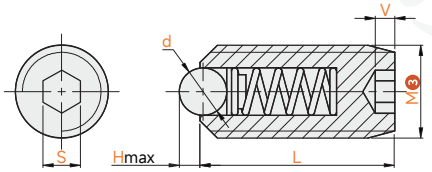
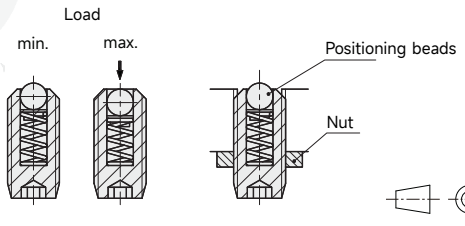
Order guide
F (Major category) WN C (Series) - M1 (Category) - H3 (2 Load) - M4 (1 Ball head material) - L20 (4 Load) (3 Thread size)

◉ Please refer to the series code to select the type and parameters for ordering.

○ Stainless steel long type

Code	Type	Load ❷	Main body Materi	Ball head Material ❶	Ball head Hardness	Spring Material	Adjustment ring Material	Operating temperature
FWNB-S6-H3	Stainless steel long	Ultra light load	Equivalent to SUS304	SUS440C	55HRC~	SUS631J1	SUS304	-30~260°C
FWNB-S6-H		Light load						
FWNB-S6-H4		Heavy duty						
FWNB-S6-H5		Overloaded						
FWNB-P12-H3		Ultra light load		Polyacetal	—			-30~80°C
FWNB-P12-H		Light load						
FWNB-P12-H4		Heavy duty						
FWNB-P12-H5		Overloaded						





Model Code	M❸	d	H	L	V	S	Load (N) Ultra light load min.	Ultra light load max.	Light load min.	Light load max.	Heavy load min.	Heavy load max.	Overloaded min.	Overloaded max.
Metal ball head / Resin ball head	4	2	0.8	15	1.5	2	0.5	1.62	1.8	4.9	3.8	9.8	2.5	12.4
	5	2.5		18	2	2.5	1	3.21	3.2	9.8	4.8	19.6	11.2	24.0
FWNB-S6-H3 / FWNB-P12-H3	6	3	1	20	2.5	3	1.6	4.96	5	15.3	9.7	29.4	17.7	33.3
FWNB-S6-H / FWNB-P12-H	8	5	2	23	2.5	4	2.4	6.56	5.4	19.1	12.6	39.2	21.4	45.2
FWNB-S6-H4 / FWNB-P12-H4	10	6	2.5	27	3	5	3.1	8.0	8.8	24.1	18.5	49.0	23.5	59.9
FWNB-S6-H5 / FWNB-P12-H5	12	8	3	32	3	6	3.4	9.8	10.4	29.3	19.5	58.8	24.1	63.6
	16	10	4	40	3	8	6	15.6	14.8	48.9	29.3	98.0	43.6	116.2

◉ M3, M4 front part without wrench slot, only hexagonal hole installation.
◉ The min. load indicates the initial load, and max. load indicates the load at the maximum press-in limit of the ball head.
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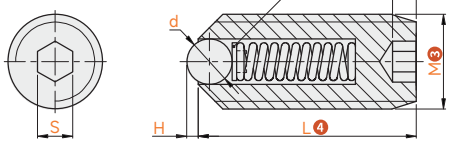
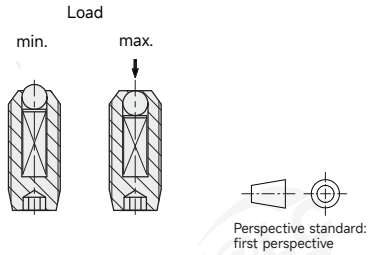
○ L size selection extended type

Code	Type	Load ❷	Main body Material	Main body Hardness	Main body ST	Ball head Material ❶	Ball head Hardness	Spring Material	Adjustment ring Material	Operating temperature
FWNC-M1-H3	L size selection extended	Ultra light load	S45C	29~35HRC		SUJ2	55HRC~	SWP-B	Brass	-30~80°C
FWNC-M1-H		Light load			Blackened					
FWNC-M1-H4		Overloaded								
FWNC-M1-H5		Heavy duty			Nickel Plated					
FWNC-P12-H		Light load			Blackened	Polyacetal	—			





Model Code	M❸	L❹	Metal ball head d	Metal ball head H	Resin ball head d	Resin ball head H	V	S	Load(N) Ultra light load FWNC-M1-H3 min.	Ultra light load FWNC-M1-H3 max.	Light load FWNC-M1-H/FWNC-P12-H min.	Light load FWNC-M1-H/FWNC-P12-H max.	Heavy duty FWNC-M1-H4 min.	Heavy duty FWNC-M1-H4 max.	Overloaded FWNC-M1-H5 min.	Overloaded FWNC-M1-H5 max.
Metal ball head FWNC-M1-H3	3	20 30	1.5	0.5	-	-	1	1.5	0.3	0.54	1	1.9	1.5	2.8	2.2	4.9
	4	20 30	2.5	0.8	2.4	0.7	1.5	2	0.6	1.5	2	4.8	3.9	9.7	2.5	12.5
FWNC-M1-H	5	30 40	3		3	0.8	2	2.5	1	3.02	2.9	9.7	4.9	19.5	11.7	25.0
FWNC-M1-H4	6	30 40	3		3	0.8	2.5	3	1.6	4.75	4.9	14.6	9.8	29.3	18.7	35.2
FWNC-M1-H5	8	40 50	4	1	4	1	2.5	4	2.4	6.26	6.9	19.5	12.7	39.1	24.5	46.7
	10	40 50	5	1.2	5	1.2	3	5	3	8.0	8.8	24.4	18.6	48.9	26.7	58.6
Resin ball head FWNC-P12-H	12	50 60	7.1	1.8	7	1.8	3	6	3.5	9.58	9.8	29.3	19.6	58.7	26.1	62.2
	16	50 60	9.5	2.5	9.5	2.5	3	8	5.7	15.7	15.7	48.9	29.4	97.9	55.4	115.9

◉ Resin ball head without () within the specifications.
◉ M3, M4 front part without wrench slot, only hexagonal hole installation.
◉ The min. load indicates the initial load, and max. load indicates the load at the maximum press-in limit of the ball head.
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