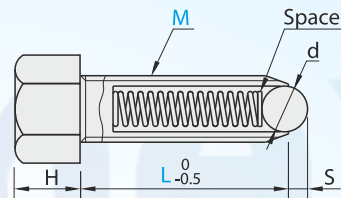
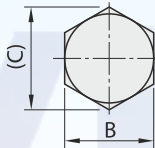


Ball Plungers-Hex Screw and Hex Socket Screw

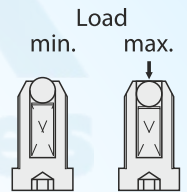
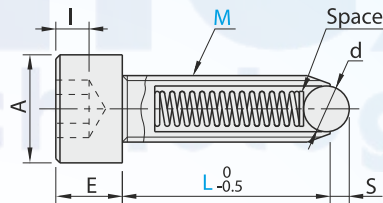
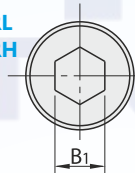
Hex Screw



Hex Head Cap Screw **DBPHL**
DBPHH



Hex Socket Head Cap Screw **DBPRL**
DBPRH



The incomplete threaded portion (Pitchx2) is included in L dim.

Type			Body			Ball		Spring	Spacer	Operating Temperature
			M Material	H Hardness	S Surface Treatment	M Material	H Hardness	M Material	H Hardness	
Light Load	Hex Head Cap Screw	DBPHL	S45C	29~35HRC	Black Oxide	SUJ2	55HRC~	SWP-B	SUS304	-30~80℃
Heavy Load		DBPHH			Electroless Nickel Plating					
Light Load	Hex Socket Head Cap Screw Hex Screw	DBPRL	SCM435		Black Oxide					
Heavy Load		DBPRH			Electroless Nickel Plating					

Part Number		L Selection							d	S	A	B	B1	(C)	E	H	ℓ	DBPHL, DBPRL				DBPHH, DBPRH			
Type	M																	min.		max.		min.		max.	
(Hex Head Cap Screw) DBPHL DBPHH (Hex Socket Head Cap Screw) DBPRL DBPRH	4	*10	*15	*20		30			2.5	0.8	7	7	3	8.1	4	2.8	2	1.9	4.9	3.9	9.8				
	5		*15	*20		30	40		3		8.5	8	4	9.2	5	3.5	2.5	3.3	9.8	4.9	19.6				
	6		*15	*20		30	40		3		10	10	5	11.5	6	4	3	5.1	15.3	9.8	29.4				
	8		*15	*20		30	40		4	1	13	13	6	15	8	5.5	4	5.5	19.1	12.7	39.2				
	10		15	*20			40	50	5	1.2	16	17	8	19.6	10	7	5	8.9	24.1	18.6	49				
	12				*25	30	40		7.1	1.8	18	19	10	21.9	12	8	6	10.9	29.3	19.6	58.8				
	16						40		9.5	2.5	24	24	14	27.7	16	10	8	14.9	48.9	29.4	98				

DBPHL and **DBPHH** are available for L sizes marked with * only.

Basic Specifications

- Mounting Method : Bolt (cap)
- Initial Load (Range) (N) : 0.01~50
- Ball Material : SUJ2
- Tip Heat Treatment : Hardening

ORDERING GUIDE



- L

DBPRL5 - 30
DBPRH8 - 30