Stopper Bolts

With Urethane, Polyacetal, Silicon, MC Nylon

■UST, USRT, PUST and USTS are now RoHS Compliant.

■Shoulder Type

RoHS

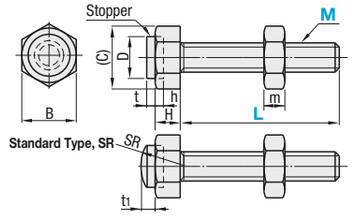
Standard Straight Shape	Standard SR Shape	Hex Socket Type Straight Shape	Hex Socket Type SR Shape	Stopper M Material	Stopper H Hardness	Screw M Material	Screw * Strength Class	Screw S Surface Treatment	A Accessory (Hex Nut) M Material	A Accessory (Hex Nut) S Surface Treatment
UST	USRT	USTH	USRTH	Urethane (Black)	Shore A90	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
SUST	SUSRT	SUSTH	SUSRTH			EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-
LUST	-	-	-	Low Repulsion Urethane (Gray)	Shore A70	EN 1.7220 Equiv.	10.9	Bright Chromate Plating *1	EN 1.0038 Equiv.	Trivalent Chromate
PUST	-	PUSTH	-	Polyacetal (White)	-	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
PSST	-	PSSTH	-			EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-
USTS	-	-	-	Silicon (Light Gray)	Shore A70	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
SSTS	-	-	-			EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-

M (Coarse)	D	B	(C)	H	h	t	t_1	m	(ℓ)	B_1	SR
3	3.5	5.5	6.4	2	0.7	1.5	2	1.8	-	-	3.5
4	5	7	8.1	2.8	1.5		2.2	2.4	2.2	2	5
5	6	8	9.2	3.5			2.3	3.2	2.8	2.5	6
6	8	10	11.5	4	2	2	2.6	3.6	3	3	8
8	10	13	15	5.5			2.8	5	4	4	10
10	13	17	19.6	7			3.2	6	5	5	13
12	15	19	21.9	8			3.5	7	-	-	15

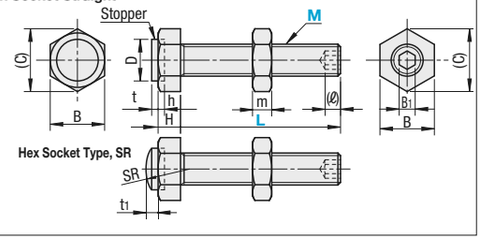
*1 Bright Chromate for LUST is being switched to Trivalent Chromate.

Part numbers in ☐ are not RoHS compliant.

Standard Straight



Hex Socket Straight



* For bolt strength class, see P.2297

Incomplete threaded portion of 2 x pitch is under the neck.

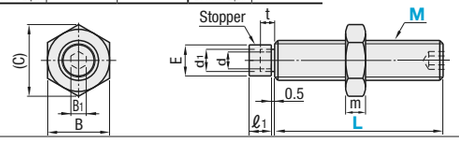
Type (Standard)	Type (SR)	Type (Hex Socket)	Type (Hex Socket SR)	M (Coarse)	L Selection	UST	SUST	LUST	PUST	USRT	SUSRT	PSST	USTS	SSTS	USTH	SUSTH	PUSTH	PSSTH
Standard		Hex Socket Type		3	15 20 25 30 35 40								-	-	-	-	-	-
UST	USRT	USTH	USRTH	4	15 20 25 30 35 40													
SUST	SUSRT	SUSTH	SUSRTH	5	15 20 25 30 35 40 45 50													
LUST				6	20 25 30 35 40 45 50 60													
PUST		PUSTH		8	20 25 30 35 40 45 50 60													
PSST		PSSTH		10	20 25 30 35 40 45 50 60 70								-	-				
USTS				12	30 40 50 60 70								-	-	-	-	-	-
SSTS																		

The unit price of Shape SR (USRTH and SUSRTH) is the price of the same material plate shape multiplied by 1.2.
The unit price of Shape SR (USRT, SUSRT, USRTH, SUSRTH) is the price of the same material plate shape multiplied by 1.2.

■Straight Type

RoHS

Type	Stopper M Material	Stopper H Hardness	Screw M Material	Screw * Strength Class	Screw S Surface Treatment	A Accessory (Hex Nut) M Material	A Accessory (Hex Nut) S Surface Treatment
USS	Urethane (Black)	Shore A90	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
USUS			EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-
PUSS	Polyacetal (White)	-	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
SPUS			EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-



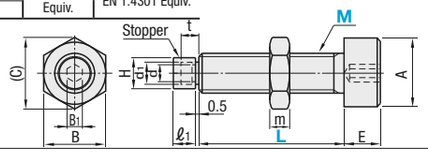
* For bolt strength class, see P.2297

Type	M (Coarse)	L Selection	ℓ_1	d	E	d_1	t	B	B_1	(C)	m	USS	USUS	PUSS	SPUS
USS	4	10 15 20 25 30 35	4.5	1.6	3.1	2.1	3	7	2	8.1	2.4				
USUS	5	10 15 20 25 30 35 40		2.2	4	2.6		8	2.5	9.2	3.2				
PUSS	6	15 20 25 30 35 40 45 50 60		2.6	4.8	3		10	3	11.5	3.6				
SPUS	8	25 30 35 40 45 50 60	5.5	5.1	6.5	5.5	4	13	4	15	5				
	10	30 35 40 45 50 60 70		6.9	8.3	7.3		17	5	19.6	6				
	12	30 40 50 60 70	6	8	10	8.6	4.5	19	6	21.9	7				

■Hex Socket Head Cap Screw Type

RoHS

Type	Stopper M Material	Stopper H Hardness	Screw M Material	A Accessory (Hex Nut) M Material
UUSCB	Urethane (Black)	Shore A90	EN 1.4301 Equiv.	EN 1.4301 Equiv.
PSCB	Polyacetal (White)	-		



Type	M (Coarse)	L Selection	A	E	H	B	(C)	B_1	d_1	d	ℓ_1	t	m	UUSCB	PSCB
UUSCB	4	10 12 15 20	7	4	3.1	7	8.1	3	2.1	1.6	4.5	3	2.4		
PSCB	5	12 15 20 25	8.5	5	4	8	9.2	4	2.6	2.2	4.5	3	3.2		
	6	15 20 25 30	10	6	4.8	10	11.5	5	3	2.6	4.5	3	3.6		
	8	20 25 30 40	13	8	6.5	13	15	6	5.5	5.1	5.5	4	5		
	10	25 30 40 50	16	10	8.3	17	19.6	8	7.3	6.9	5.5	4	6		

Ordering Example

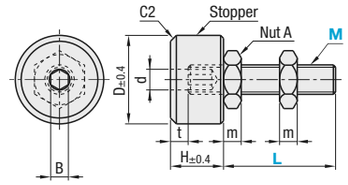
Part Number	-	L
UST8	-	40
USS6	-	30
PSCB4	-	10

■**Features:** Large-headed Stoppers. Best for receiving workpieces on large surfaces.

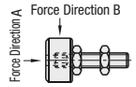
■Hex Socket Head Cap MC Nylon Type

RoHS

Type	Stopper M Material	Screw M Material	Screw * Strength Class	Screw S Surface Treatment	A Accessory (Hex Nut) M Material	A Accessory (Hex Nut) S Surface Treatment
UNAHM	MC Nylon	EN 1.7220 Equiv.	8.8	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate



Bolts and MC Nylon are adhered together using adhesives.
Contact Nut A to the MC Nylon for use.
If strong forces are applied, the MC Nylon may be damaged.
Do not use from the B direction.



For tightening, use a Hex Hole, not Nut A.

* For bolt strength class, see P.2297

Type	M (Coarse)	L Selection	t	D	d	B	H	m	Unit Price
UNAHM	4	10 15 20 25 30	3	10	2.4	2	7	2.4	
	5	15 20 25 30 40	4	12	3	2.5	9	3.2	
	6	15 20 25 30 40 50		15	3.5	3	10	3.6	
	8	25 30 40 50	5	20	4.7	4	13	5	
	10	30 40 50		25	6	5	15	6	
	12	30 40 50	6	30	7	6	18	7	
	16	30 40 50		40	9.5	8	22	10	

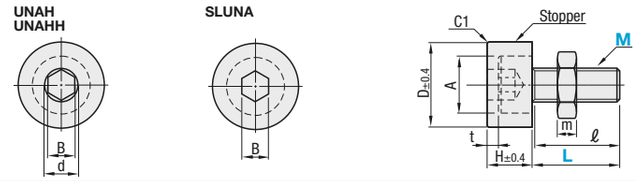
Ordering Example

Part Number	-	L
UNAHM5	-	15

■Hex Socket Head Cap Urethane Type

RoHS

Type	Stopper M Material	Stopper H Hardness	Screw M Material	Screw * Strength Class	Screw S Surface Treatment	A Accessory (Hex Nut) M Material	A Accessory (Hex Nut) S Surface Treatment
UNAH	Urethane (Black)	Shore A90	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
UNAHH	Urethane (Blue)	Shore A70		10.9	Trivalent Chromate		
SLUNA	Low Repulsion Urethane (Gray)	Shore A70	EN 1.4301 Equiv.	-	-	EN 1.4301 Equiv.	-



* For bolt strength class, see P.2297

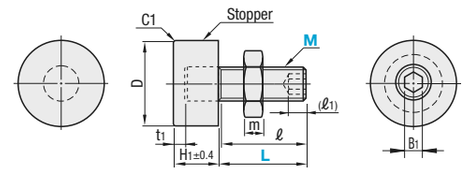
Type	M (Coarse)	L Selection UNAH·SLUNA	L Selection UNAHH	t	D	A	d	B	H	ℓ	m	UNAH	UNAHH	SLUNA
UNAH UNAHH SLUNA	3	10 15	10 15	3	7.5	5.5	3.3	2.5	6	Full Thread	1.8			
	4	10 15 20 (*25) (*30)	10 15 20 *25 *30		10	7	4.2	3	7	Full Thread (22)	2.4			
	5	10 15 20 25 *30 (*40)	15 20 25 *30 *40	4	12.5	8.5	5.5	4	9	Full Thread (24)	3.2			
	6	10 15 20 25 30 *40 (*50)	15 20 25 30 *40 *50		15	10	6	5	10	Full Thread (26)	3.6			
	8	10 15 20 25 30 *40 *50 (*60)	25 30 *40 *50 *60	5	20	13	7.3	6	13	Full Thread (30)	5			
	10	10 15 20 25 30 40 *50 (*60) (*70)	30 40 *50 *60 *70		25	16	10	8	15	Full Thread (34)	6			
	12	15 20 25 30 40		6	30	18	13	10	18	Full Thread	7		-	
	16	20 25 30 40			40	24	17	14	22	Full Thread	10		-	

⊗L sizes in ( ) are not available for SLUNA. ℓ dimension for * marked L dimension is in ( ).

■Tip Hex Socket Urethane Type

RoHS

Type	Stopper M Material	Stopper H Hardness	Screw M Material	Screw * Strength Class	Screw S Surface Treatment	A Accessory (Hex Nut) M Material	A Accessory (Hex Nut) S Surface Treatment
UNBH	Urethane (Black)	Shore A90	EN 1.7220 Equiv.	10.9	Trivalent Chromate	EN 1.0038 Equiv.	Trivalent Chromate
UNBHH	Urethane (Blue)	Shore A70		10.9	Trivalent Chromate		



* For bolt strength class, see P.2297

Type	M (Coarse)	L Selection	t_1	D	B_1	H_1	ℓ	m	(ℓ_1)	UNBH	UNBHH
UNBH UNBHH	3	10 15	4	7.5	-	14	Full Thread	1.8	1.8		
	4	10 15 20 25 30		10	2		Full Thread	2.4	2.2		
	5	15 20 25 30 40	5	12.5	2.5	15	Full Thread	3.2	2.8		
	6	15 20 25 30 40 50		15	3		Full Thread	3.6	3		
	8	25 30 40 50 60	6	20	4	16	Full Thread	5	4		
	10	30 40 50 60 70		25	5		Full Thread	6	5		

Ordering Example

Part Number	-	L
UNAH4	-	20
UNBH5	-	25