

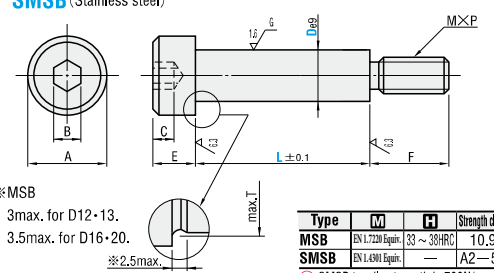
STRIPPER BOLTS, MALE THREADS

STRIPPER BOLTS, MALE THREADS / STROKE EXTENSION RETAINERS FOR STRIPPER BOLTS
—PRECISION L DIMENSION TYPE—

RoHS



MSB
SMSB (Stainless steel)



※MSB
3max. for D12・13.
3.5max. for D16・20.
※2.5max.

Type	M	H	Strength class
MSB	EN 1.7230 Equiv. 33 ~ 38HRC	10.9	
SMSB	EN 1.4301 Equiv. A2-50		

⚡ SMSB tensile strength is 700N/mm².

De9	A	B	C	E	F	M×P	T
4	6.5			3	5	2.5×0.45	4.5
4.5	7	2.5	1.6	3.5	6	3×0.5	5
5	8						5.5
5.5	9	3	2.2	4	7	4×0.7	6
6			2				6.5
6.5	10	4	2.5	5	9	5×0.8	7
8	13	5	3	6		6×1.0	8.7
10	16	6	4	8	12	8×1.25	10.8
12	17						12.8
13	18	8	5	10	16	10×1.5	14
16	24	10	7	14	18	12×1.75	17
20	27	14	9	18	24	16×2.0	21

Red figures in the price column indicate new added spec.

Catalog No.		L (SMSB is available only for the sizes marked by *.)														Base unit price									
Type	D															MSB	SMSB								
																1 ~ 49 pieces	1 ~ 49 piece								
MSB SMSB (Stainless steel)	4	*10	*15	*20	*25	30	35	40	45																
	4.5	*10	*15	*20	*25	*30	*35	*40	45	50															
	5	*10	*15	*20	*25	30	35	40	45	50															
	5.5	*10	*15	*20	*25	*30	*35	*40	45	50	55														
	6	*10	*15	*20	*25	30	35	40	45	50	55	60	65	70											
	6.5	*10	*15	*20	*25	*30	*35	*40	*45	*50	55	60	65	70	75	80									
	8	*10	*15	*20	*25	*30	*35	*40	*45	*50	*55	*60	*65	*70	*75	*80	85	90	95	100	110	120			
	10	*10	*15	*20	*25	*30	*35	*40	*45	*50	*55	*60	*65	*70	*75										
	12	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120			
	13	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130		
	16		15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150
	20						40	50	60	70	80	90	100	110	120	130	140	150							

Quotation

Order

Catalog No. — L

MSB 10 — 50

Days to Ship

Quotation

Price

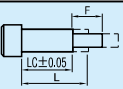
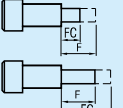
Quotation

Alterations

Catalog No. — L (LC) — (FC)

MSB 10 — LC50.1 — FC10.5

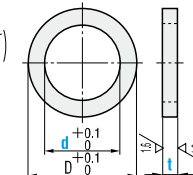
⚡ Cannot be used for SMSB.

Alteration	Code	Spec.	1Code
	LC	L dimension change (cutting) Full length (LC) tolerance is ±0.05. Lmin. ≤ LC ≤ Lmax. 0.1mm increments ⚡ F dimension is produced using the standard dimension. To change the F dimension, combine with FC.	D 4 ~ 10 D12 ~ 16 D20
	FC	Thread part length change M ≤ FC ≤ M×3 0.5mm increments ⚡ When D=4 only, 3 ≤ FC ≤ 7.5. ⚡ Can be used only when combined with LC.	FC < F FC > F

RoHS



MSRB
(Spacers for MSB)



t

0.1	±0.020
0.2	±0.020
0.3	±0.030
0.5	±0.030
1.0	±0.040
2.0	±0.090

D	d	Catalog No.	t
6.5	4	*4	
7	4.5	4.5	
8	5	*5	
9	5.5	5.5	0.1
9	6	*6	0.2
10	6.5	6.5	0.3
13	8	8	0.5
16	10	10	1.0
17	12	*12	2.0
18	13	13	
24	16	16	
27	20	20	

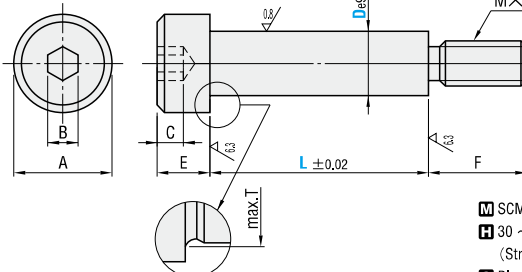
⚡ t=2.0 is not available for sizes marked with *.

For delivery and prices P.816

Stripper bolts, male threads

RoHS

MSBL



M SCM435
H 30 ~ 35HRC
(Strength class 10.9)
S Black oxide (Fe₃O₄) (head only)

De9	A	B	C	E	F	M×P	T	Catalog No.	Type	D	1mm increments	Base unit price
6.5	10	4	2.5	5	9	M 5×0.8	7	MSBL		6.5	10 ~ 70	Quotation
8	13	5	3	6	9	M 6×1.0	8.7			8	10 ~ 90	
10	16	6	4	8	12	M 8×1.25	10.8			10	10 ~ 120	
13	18	8	5	10	16	M10×1.5	14			13	10 ~ 130	
16	24	10	7	14	18	M12×1.75	17			16	15 ~ 150	
20	27	14	9	18	24	M16×2.0	21			20	15 ~ 150	
25	33	17	11	19	30	M20×2.5	26			25	30 ~ 160	

The head is not knurled.

Order

Catalog No. — L

MSBL 10 — 53

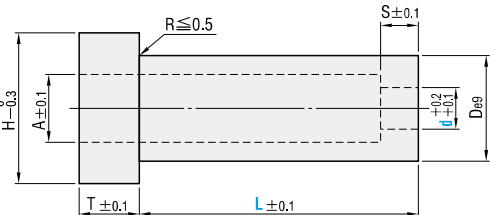
Days to Ship

Quotation

Stroke extension retainers

RoHS

MSBE



M SK4
H 53 ~ 58HRC

MSB used										Catalog No.		L (Selection)	
Size	Shaft diameter (D)	Head diameter (A)	Head thickness (E)	Thread (M)	H	T	A	S	De9	Type	d		
MSB 8	8	13	6	M 6	25	6	14	8	18	MSBE	8		
MSB10	10	16	8	M 8	27	8	17	10	22		10	50	60 70 80 90
MSB13	13	18	10	M10	30	10	19	13	25		13		
MSB16	16	24	14	M12	37	15	25	16	32		16		

Order

Catalog No. — L

MSBE 8 — 50

Days to Ship

Quotation

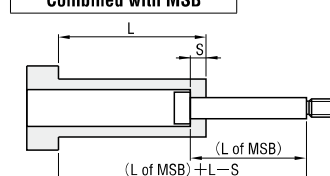
Price

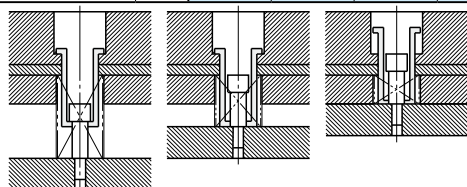
Quotation

Catalog No.	d	L50	L60	L70	L80	L90
MSBE	8					
	10					
	13					
	16					

Example

Combined with MSB





The use of MSBE allows a long stripper stroke to be set even when the die height is low.