

Lifting Eye Bolts / Plastic Hexagonal Spacers

Lifting Eye Bolts

RoHS 10

CHIC SCHI
Stainless Steel

Screw Precision JIS1168

A Type
Vertical Lifting

B Type
45° Lifting

CHIC
Material: 1018 Carbon Steel
Surface Treatment: Trivalent Chromate Plating
Accessories: Nut 1 pcs.

SCHI
Material: 304 Stainless Steel (Electrolytic Polishing)
Accessories: Nut 1 pc. (304 Stainless Steel)

Part Number	Type	M	M x P	a	b	C	D	H	l	e	g	R	da	Nuts		A Type N/1P (kg/1P)	B Type N/2P (kg/2P)
														B	T		
6	CHIC SCHI	6	6 x 1.0	24.9	14.5	5.2	13	29	15	3	4.5	1	7.7	10	5	392 (40)	392 (40)
8		8	8 x 1.25	32.6	20	6.3	16	33.3	15	3	6	1	9.2	13	6.5	785 (80)	785 (80)
10		10	10 x 1.5	41	25	8	20	41.5	18	4	7.7	1.2	11.2	17	8	1471 (150)	1471 (150)
12		12	12 x 1.75	50	30	10	25	51	22	5	9.4	1.4	14.2	19	10	2157 (220)	2157 (220)
16		16	16 x 2.0	60	35	12.5	30	60	27	5	13	1.6	18.2	24	13	4413 (450)	4413 (450)
20		20	20 x 2.5	72	40	16	35	71	30	6	16.4	2	22.4	30	16	6178 (630)	6178 (630)
24		24	24 x 3.0	90	50	20	45	90	38	8	19.6	2.5	26.4	36	19	9316 (950)	9316 (950)

Part Number Example

Part Number: CHIC12

Caution

Bad Example Avoid the applications shown below.

When using a pair of eye bolts for lifting, mount them in alignment as shown.

Horizontal Lifting

Vertical lifting using a single rope for two eye bolts.

Plastic Hexagonal Spacers

RoHS 10

PEKP

Material: PEEK (Polyetheretherketone)

Note

- The surface color may change depending on production lot and other conditions.
- For material data, refer to P.2419.
- The pilot hole for tapping goes through.

6.3/

Part Number	Type	B	L Selection						M (Coarse)	(C)
			15	20	25	30	50	100		
6	PEKP	6	15	20	25	30	50	3	6.9	
7		7	20	25	30	50	100	4	8.1	
8		8	20	25	30	50	100	5	9.2	
10		10	25	30	50	100	150	6	11.5	
13		13	50	100	150	200		8	15.0	

Part Number Example

Part Number: PEKP6 - L 20

Part Number Alterations

Part Number: PEKP6 - LC35

Only applicable to PEKP.

Alteration	Code	Spec.												
L Dimension Specified	LC	Cuts L dimension in 1mm increment. The thread length does not change. Ordering Code: LC55 LC Specification Range												
		<table border="1"> <thead> <tr> <th>B</th> <th>LC</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>15<LC<50</td> </tr> <tr> <td>7</td> <td>20<LC<150</td> </tr> <tr> <td>8</td> <td>20<LC<150</td> </tr> <tr> <td>10</td> <td>25<LC<200</td> </tr> <tr> <td>13</td> <td>35<LC<200</td> </tr> </tbody> </table>	B	LC	6	15<LC<50	7	20<LC<150	8	20<LC<150	10	25<LC<200	13	35<LC<200
B	LC													
6	15<LC<50													
7	20<LC<150													
8	20<LC<150													
10	25<LC<200													
13	35<LC<200													

Shoulder Bolts

Shaft Diameter Tolerance e9

Shoulder Bolts - Shaft Dia. Tol. e9

RoHS 10

Standard MSB SMSB

Configurable MSBMF SMSBF

*MSB For D12 and 13, 3max. For D16 and 20, 3.5max.

Standard Type

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

Standard Type

Type	Part Number	D	L (SMSB is only applicable to sizes marked with *)																F				
			*10	*15	*20	*25	*30	*35	*40	*45	*50	*55	*60	*65	*70	*75	*80	*85		*90	*95	*100	*110
MSB SMSB	4	4	*10 *15 *20 *25 *30 *35 *40 *45																5				
	4.5	4.5	*10 *15 *20 *25 *30 *35 *40 *45 *50																6				
	5	5	*10 *15 *20 *25 *30 *35 *40 *45 *50																7				
	5.5	5.5	*10 *15 *20 *25 *30 *35 *40 *45 *50 *55																9				
	6	6	*10 *15 *20 *25 *30 *35 *40 *45 *50 *55 *60 *65 *70																12				
	6.5	6.5	*10 *15 *20 *25 *30 *35 *40 *45 *50 *55 *60 *65 *70 *75 *80																16				
	8	8	*10 *15 *20 *25 *30 *35 *40 *45 *50 *55 *60 *65 *70 *75 *80 *85 *90 *95 *100 *110 *120																18				
	10	10	*10 *15 *20 *25 *30 *35 *40 *45 *50 *55 *60 *65 *70 *75 *80 *85 *90 *95 *100 *110 *120																24				
	12	12	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100																				
	13	13	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 130																				
16	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	20	40 50 60 70 80 90 100 110 120 130 140 150																					

Configurable

Type	Part Number	De ₉	L		A	B	C	E	T	L+F Machining Conditions
			0.1 mm Increment	0.5 mm Increment						
MSBMF SMSBF	4	-0.020 -0.050	10-40	M≤F≤Mx3	7	2.5	1.6	3	4.5	L+F≤46
	4.5		10-40		5	L+F≤46				
	5		10-40		5.5	L+F≤47				
	5.5		10-40		6	L+F≤47				
	6		10-50		6.5	L+F≤59				
	6.5	10-50	7		L+F≤59					
	8	-0.025 -0.061	10-60		8.7	L+F≤70				
	10	10-60	10.8		L+F≤72					

Configurable Type may have different part dimensions from the Standard Type.

Part Number Example

Part Number: MSB10 - L 50

Part Number: SMSBF5.5 - L30 - F9

Part Number Alterations

Part Number: MSB10 - LC50.1 - FC10

Part Number: SMSBF8 - L30 - F10 - LKC

Alterations	Code	Spec.
Changes L dimension (machining) O.A.L. (L.C) tolerance is ±0.05. L min=L-C≤L max 0.1 mm Increment	LC	This alteration does not change the F dimension. To change the F dimension, combine FC alteration with it. Applicable to MSB only.
Changes the thread part length. M≤FC≤Mx3, 0.5 mm Increment	FC	3≤FC≤7.5 only when D=4. Applicable only when LC is combined.
Changes L Dimension Tolerance Dimension tolerance is changed from ±0.05 to ±0.1.	LKC	Applicable to MSBMF and SMSBF only.