

WASHERS・SPACERS

RoHS

K・W (Spacers for stripper bolts with female threads)

2-C0.1~0.3
D-0.1
d
t=5
M S45C
H 48~52HRC

RoHS

T・R (Spacers for bushing-type stripper bolts)

3-C0.1~0.3
2-C1.0
D-0.1
d
t=5
M S45C
H 48~52HRC

t	D	d	T	Catalog No.	Base unit price				Volume discount unit price			
					1~49 pieces	50~199	200~499	500~1000	1~49 pieces	50~199	200~499	500~1000
±0.005	10	6	+0.3 +0.1	K	10	50	48	45	43			
	13	8			13	59	55	53	50			
	16	10			16	67	64	60	57			
	20	12			20	76	71	68	64			
±0.01	8	5	+0.2 +0.1	W	10	50	48	45	43			
	11	6			13	59	55	53	50			
	14	8			16	67	64	60	57			
	17	10			20	76	71	68	64			

D	d	Catalog No.	Base unit price				Volume discount unit price			
			1~49 pieces	50~199	200~499	500~1000	1~49 pieces	50~199	200~499	500~1000
11.5	4	T	6.5	59	55	53	50			
13	5		8	59	55	53	50			
15	6		10	59	55	53	50			
18	8		13	67	64	60	57			
21	10		16	76	71	68	64			
23	12		20	101	96	91	86			
16	4	R	6.5-16	84	80	76	71			
18	4		6.5-18	84	80	76	71			
18	5		8-18	84	80	76	71			
20	5		8-20	84	80	76	71			
22	5		8-22	84	80	76	71			
20	6		10-20	84	80	76	71			
22	6		10-22	84	80	76	71			
25	6		10-25	84	80	76	71			
27	6		10-27	84	80	76	71			
25	8		13-25	109	103	98	92			
27	8		13-27	109	103	98	92			
30	8		13-30	109	103	98	92			
30	10		16-30	134	128	121	114			
35	10		16-35	134	128	121	114			
40	10		16-40	134	128	121	114			
35	12		20-35	218	207	197	186			
40	12		20-40	218	207	197	186			

D	d ₁	d	h	Catalog No.	Base unit price				Volume discount unit price			
					1~49 pieces	50~199	200~499	500~1000	1~49 pieces	50~199	200~499	500~1000
12	8	4	9	J	6.5	84	80	76	71			
14	10	5	10		8	84	80	76	71			
18	11	6	11		10	101	96	91	86			
24	14	8	13		13	134	128	121	114			
27	17.5	10	15		16	160	151	144	135			
32	19.5	12	17		20	277	263	249	235			

D	d	t	Catalog No.	Base unit price		Volume discount unit price			
				1 ~ 49 pieces		20 ~ 49	50 ~ 99	100 ~ 200	
10	4.5	3	SW	10	118	112	106	100	
12	5.5			12	126	119	113	107	
	6			12—6	126	119	113	107	
16	6.5	4		16	143	135	129	121	
20	8			20					
22	10			22	151	144	136	129	
25		25							
		25—12		160	151	144	135		
27	13	8		27	185	176	166	157	
30				30					
35				35	227	215	204	192	
40	16	40							
50	20	10	50	269	255	242	228		

RoHS

SRW (Washers for stripper guide pins)

2-C0.5
2-C0.3
d+0.2
D-0.2
t±0.1
M SS400

RoHS

WSS (Washers for oblong holes)

2-C0.1~0.3
2-C0.1~0.3
d
D-0.4
t
M S45C
H 23~30HRC

RoHS

MSRB (Spacers for MSB)

d+0.1
D+0.1
t
M SK5

RoHS

LRB (Spacers for guide lifters and lifter pins)

d+0.15
D±0.05
t
M SK5

RoHS

SBW (Washers for pressure pins and lifting collars)

2-C0.1~0.3
2-C0.1~0.3
d+0.3
D-0.1
t±0.1
M S45C
H 48~52HRC

D	d	t	Catalog No.		Base unit price	Volume discount unit price			
					1 ~ 49 pieces	50 ~ 99	100 ~ 499	500 ~ 1000	
12	5.3	3	SRW	8	84	80	76	71	
15				10					
19	6.4	4		13	101	96	91	86	
22				16					
26	8.4	5		20	126	119	113	107	
30				25					

D	d T	t T	Catalog No.	Base unit price		Volume discount unit price			
				1 ~ 49 pieces	50 ~ 99	100 ~ 499	500 ~ 1000		
12.5	6.4	$\begin{smallmatrix} +0.25 \\ 0 \end{smallmatrix}$	WSS	6	38	35	34	32	
17	8.4			8	46	44	41	39	
21	10.5	3		10	59	55	53	50	
24	13			12	71	67	64	60	
30	17	$\begin{smallmatrix} +0.3 \\ 0 \end{smallmatrix}$		16	92	87	83	78	
37	21			20	134	128	121	114	

t	D	d	Catalog No.	t	Base unit price				Volume discount unit price			
					1~49 pcs	50~99	100~499	500~1000	1~49 pcs	50~99	100~499	500~1000
0.1 ±0.020	6.5	4	MSRB	*4	15	13	5	5				
0.2 ±0.020	7	4.5		4.5	15	13	5	5				
0.3 ±0.030	8	5		*5	17	15	5	5				
0.5 ±0.030	9	5.5		5.5	17	15	5	5				
1.0 ±0.040	9	6		*6	17	15	5	5				
2.0 ±0.090	10	6.5		6.5	17	15	5	5				
	13	8		8	18	16	6	6				
	16	10		10	21	18	7	6				
	17	12		*12	29	25	8	8				
	18	13		13	29	25	9	8				
	24	16		16	34	30	11	9				
	27	20		20	44	39	15	13				

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

t	D	d	Catalog No.	t	Base unit price				Volume discount unit price			
					1~49 pcs	50~99	100~499	500~1000	1~49 pcs	50~99	100~499	500~1000
0.1 ±0.020	6	4	LRB	4	17	15	3	3				
0.2 ±0.020	7	5		5	19	17	4	4				
0.3 ±0.030	8	6		6	21	18	5	5				
0.5 ±0.030	10	8		8	23	20	7	7				
1.0 ±0.040	13	10		10	28	24	8	7				
	16	13		13	30	27	11	8				
	19	16		16	35	31	13	10				
	23	20		20	45	39	17	13				

t	Catalog No.		d	Base unit price	Volume discount unit price			
	Type	D		1 ~ 49 pcs.	50 ~ 199	200 ~ 499	500 ~ 1000	
5	SBW	20	5	67	64	60	57	
		22	5	76	71	68	64	
		25	6	84	80	76	71	
7		27	5	92	87	83	78	
		30	6	101	96	91	86	
		35	8	143	135	129	121	

Order

Catalog No.

K 10
W 16
T 10
R 10-20
J 16
SW 25

Dispatch

7 Days

Price

For larger orders, ask about prices/delivery.

Example

MSB SBTH

Order

•SRW・WSS

Catalog No.

SRW 20
WSS 8

•MSRB・LRB

Catalog No.

MSRB 10
LRB 8

t
0.1
0.5

•SBW

Catalog No.

SBW 20

d
5

Dispatch

7 Days

Price

For larger orders, ask about prices/delivery.