

# WASHERS · SPACERS

**RoHS** **K·W** (Spacers for stripper bolts with female threads)

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

t	D	d	Catalog No.	Base unit price			
				1~49 pieces	50~199	200~499	500~1000
±0.005	10	6	K	10			
	13	8		13			
	16	10		16			
	20	12		20			
±0.01	8	5	W	10			
	11	6		13			
	14	8		16			
	17	10		20			

**RoHS** **T·R** (Spacers for bushing-type stripper bolts)

3-C0.1~0.3  
C1.0  
D-0.1  
d  
t=5±0.005  
M S45C  
H 48~52HRC

D	d	Catalog No.	Base unit price			
			1~49 pieces	50~199	200~499	500~1000
11.5	4	T	6.5			
13	5		8			
15	6		10			
18	8		13			
21	10		16			
23	12		20			
16	4		R	6.5-16		
18	4	6.5-18				
18	5	8-18				
20	5	8-20				
22	5	8-22				
20	6	10-20				
22	6	10-22				
25	6	10-25				
27	6	10-27				
25	8	13-25				
27	8	13-27				
30	8	13-30				
30	10	16-30				
35	10	16-35				
40	10	16-40				
35	12	20-35				
40	12	20-40				

**RoHS** **J** (Spacers with counterbore for bushing-type stripper bolts)

d1±0.1  
2-C0.2  
C0.2  
D±0.1  
d±0.1  
h±0.05  
t=5  
M S45C  
H 48~52HRC

D	d1	d	h	Catalog No.	Base unit price			
					1~49 pieces	50~199	200~499	500~1000
12	8	4	9	J	6.5			
14	10	5	10		8			
18	11	6	11		10			
24	14	8	13		13			
27	17.5	10	15		16			
32	19.5	12	17		20			

**RoHS** **SW** (Washers for stripper bolts and coil springs)

2-C0.2~0.3  
2-C0.2~0.3  
D±0.1  
d±0.1  
t=0  
M S45C  
H 48~52HRC

D	d	t	Catalog No.	Base unit price			
				1~49 pieces	50~99	100~200	200~499
10	4.5	3	SW	10			
12	5.5			12			
	6			12-6			
16	6.5	4		16			
20	8			20			
22	10			22			
25	12	5		25			
				25-12			
27	13			27			
30	13	8		30			
35	16			35			
40	16			40			
50	20	10		50			

**Order** **Catalog No.**  
K 10  
W 16  
T 10  
R 10-20  
J 16  
SW 25

**Days to Ship** **Quotation**

**ex** Example

**RoHS** **SRW** (Washers for stripper guide pins)

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

D	d	t	Catalog No.	Base unit price			
				1~49 pieces	50~99	100~499	500~1000
12	5.3	3	SRW	8			
15				10			
19				13			
22	6.4	4		16			
26				20			
30				25			

**RoHS** **WSS** (Washers for oblong holes)

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

D	d	t	Catalog No.	Base unit price			
				1~49 pieces	50~99	100~499	500~1000
12.5	6.4	2.5	WSS	6			
17	8.4			8			
21	10.5	3		10			
24	13	4		12			
30	17	5		16			
37	21			20			

**RoHS** **MSRB** (Spacers for MSB)

D±0.1  
d±0.1  
t  
M SK5

t	D	d	Catalog No.	t	Base unit price			
					1~49 pcs.	50~99	100~499	500~1000
0.1	±0.020	6.5	4	MSRB	*4			
0.2	±0.020	7	4.5					
0.3	±0.030	8	5		*5			
0.5	±0.030	9	5.5		5.5	0.1		
1.0	±0.040	9	6		*6	0.2		
2.0	±0.090	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 \*.

**RoHS** **LRB** (Spacers for guide lifters and lifter pins)

D±0.05  
d±0.10  
t  
M SK5

t	D	d	Catalog No.	t	Base unit price			
					1~49 pcs.	50~99	100~499	500~1000
0.1	±0.020	6	4	LRB	4			
0.2	±0.020	7	5		5	0.1		
0.3	±0.030	8	6		6	0.2		
0.5	±0.030	10	8		8	0.3		
1.0	±0.040	13	10		10	0.5		
		16	13		13	1.0		
		19	16		16			
		23	20		20			

**RoHS** **SBW** (Washers for pressure pins and lifting collars)

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

t	Catalog No.		d	Base unit price			
	Type	D		1~49 pcs.	50~99	100~499	500~1000
5	SBW	20	5				
		22	5				
		25	6				
7	SBW	27	5				
		30	6				
		35	8				

**Order** •SRW-WSS **Catalog No.**  
SRW 20  
WSS 8

•MSRB-LRB **Catalog No.** - t  
MSRB 10 - 0.1  
LRB 8 - 0.5

•SBW **Catalog No.** - d  
SBW 20 - 5

**Days to Ship** **Quotation**