
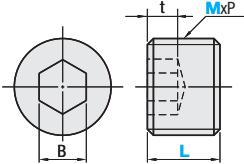


# Screw Plugs

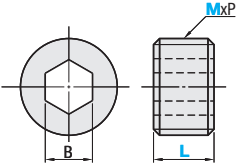


**RoHS10**

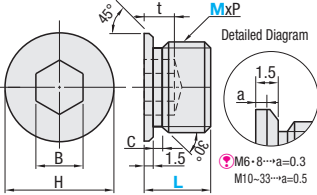
**MSW**  
MSWS (Short Type)



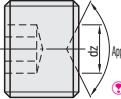
**MSWA**  
MSWAS (Through Hole Type)



**MSWZ**  
MSWZS (With Washer Type)



**MSW: Dimple Shape and Dimension**



Part Number | dz max.  
 MSW3 | 1.4  
 MSW4 | 2.0  
 MSW5 | 2.5

\*The tip of MSW3, 4, 5 is a cut point.

Type	M	Material	Hardness	Surface Treatment
MSW	2.5-10	SCM435	45-53HRC	Black Oxide (JIS B 0207 Class 2)
	12-45	S45C	34-43HRC	
MSWS MSWA MSWAS	8-33	S45C	34-43HRC	

Material: MSWZ · MSWZS S45C  
 Hardness: 33-38HRC  
 Surface Treatment: Black Oxide (JIS B 0207 Class 2)

## Standard Type

MxP	L	B	t	Part Number		Unit Price		Volume Discount Rate	
				Type	M	1-299	300-500		
2.5	0.45	3	1.3	MSW	2.5				
3	0.5	3	1.5		3*				
4	0.7	4	2		4*				
5	0.8	5	2.5		5*				
6	1.0	6	3		6				
8	1.25	8	4		8				
10	1.5		5		10				
12	1.5 (Fine)	10	6		12				
14			8		14				
16			10		16				
18			12	18					
20	1.5 (Fine)	12	14	20					
22			16	22					
24			18	24					
25			20	25					
26			22	26					
27			24	27					
28			25	28					
30			26	30					
33			27	33					
36			1.5 (Fine)	14	6	36			
38	8	38							
40	10	40							
42	12	42							
45	14	45							

\*The tip of MSW3, 4, 5 is a cut point.

MxP	L	B	Part Number		Unit Price				Volume Discount Rate			
			Type	M	1-299 pc(s)	300-499	500-999	1000-2000				
8	1.25	10	4	8								
10	1.5		5	10								
12	1.5 (Fine)		6	12								
14			8	14								
16			10	16								
18			12	18								
20	1.5 (Fine)		12	14	20							
22				16	22							
24				18	24							
25				20	25							
26		22		26								
27		24		27								
28		25		28								
30		26		30								
33		27		33								

MxP	L	B	H	t	C	Part Number		Unit Price				Volume Discount Rate				
						Type	M	1-99 pc(s)	100-199	200-299	300-500					
6	1.0	8	3	9	5	MSWZ (With Washer)	6									
8	1.25	10	4	11			8									
10	1.5	5	13	10			10									
12	1.5 (Fine)	6	15	12			12									
14		8	17	14			14									
16		10	19	16			16	16								
18		12	21	18			18	18								
20	1.5 (Fine)	15	14	23			20									
22			16	25			22									
24			18	27			24									
25			20	28	25											
26			22	29	26											
27			24	30	27											
28			25	31	28											
30			26	32	30											
33			27	33	33											

## Short Type

MxP	L	B	t	Part Number		Unit Price		Volume Discount Rate			
				Type	M-L	1-299	300-499	500-1000			
8	1.25	6	4	8-6							
10	1.5		5	10-6							
12	1.5 (Fine)		6	12	12-6						
14			8	14	14-6						
16			10	16	16-6						
18			12	18	18-6						
20	1.5 (Fine)		8	14	20-8						
22				16	22	22-8					
24				18	24	24-8					
25				20	25	25-8					
26		22		26	26-8						
27		24		27	27-8						
28		25		28	28-8						
30		26		30	30-8						
33		27		33	33-8						

MxP	L	B	Part Number		Unit Price				Volume Discount Rate				
			Type	M-L	1-299 pc(s)	300-499	500-999	1000-2000					
8	1.25	6	4	8-6									
10	1.5		5	10-6									
12	1.5 (Fine)		6	12	12-6								
14			8	14	14-6								
16			10	16	16-6								
18			12	18	18-6								
20	1.5 (Fine)		8	14	20-8								
22				16	22	22-8							
24				18	24	24-8							
25				20	25	25-8							
26		22		26	26-8								
27		24		27	27-8								
28		25		28	28-8								
30		26		30	30-8								
33		27		33	33-8								

MxP	L	B	H	t	C	Part Number		Unit Price				Volume Discount Rate					
						Type	M-L	1-99 pc(s)	100-199	200-299	300-500						
10	1.5	10	5	13	4	MSWZS (With Washer Short)	10-10										
12	1.5 (Fine)		6	15			12-10										
14			8	17			14-10										
16			10	19			16-10										
18			12	21			18-10										
20	1.5 (Fine)		14	10			23	20-10									
22				12			25	22-10									
24				14			27	24-10									
25				16			28	25-10									
26				18			29	26-10									
27		20		30	27-10												
28		22		31	28-10												
30		24		32	30-10												
33		26		33	33-10												

\*Short Type has shorter L dimension and fewer threads, compared with the standard type (MSW, MSWA, MSWZ). Before use, check the load applied to the screw plug and the material of the plate to be tapped.

Ordering Example Part Number  
 MSW18  
 MSWS18 - 6

For orders larger than indicated quantity, please check with WOS.P99