

Plumbing Terminals

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Tapered Screw Plugs

Flanged

Type	Material	Surface Treatment	Accessory	Max. Operating Pressure
BTLF	S45C	Trivalent Chromate	Hex Socket Head Cap Screw (Stainless Steel)	20.6MPa
BTLFA	A5052	-	4 pcs.	1MPa
BTLFC	Free-Cutting Brass	-	-	6.9MPa
BTLFS	SUS304	-	-	20.6MPa

Part Number	Type	No.	Rc (PT)		H	D	T	L	P	d	d1	h	Included Screw (4 pcs.)	Unit Price			
			Q											BTLF	BTLFA	BTLFC	BTLFS
BTLF BTLFA BTLFC BTLFS	1	1/8	35	15	7	20	25	4.5	8	4.4	SCB4-10						
	2	1/4	50	25	8	30	38	5.5	9.5	5.4	SCB5-10						
	3	3/8															
	4	1/2	65	35	10	45	50	6.6	11	6.5	SCB6-12						

Hex

Type	Material	Surface Treatment	Accessory	Max. Operating Pressure
BTLH	S45C	Trivalent Chromate	Hex Nut	20.6MPa
BTLHA	A5052	-	1 pc.	1MPa
BTLHC	Free-Cutting Brass	-	-	6.9MPa
BTLHS	SUS304	-	-	20.6MPa

* Mx. pressure of No. 5 / 5-S is less than 1MPa.

Part Number	Type	No.	Rc (PT)		B	(C)	MxP	L	T	Included Nut t	Unit Price			
			Q								BTLH	BTLHA	BTLHC	BTLHS
Standard BTLH BTLHA BTLHC BTLHS	1	1/8	24	26.8	16x2.0	30	5	8						
	2	1/4	46	50.9	30x3.5	45	8	15						
	3	3/8	46	50.9	30x3.5	45	8	15						
	4	1/2	55	60.8	36x4	60	10	18						
	5	M5	24	26.8	16x2.0	30	5	8						

Part Number	Type	No.	Rc (PT)		B	(C)	MxP	L	T	Included Nut t	Unit Price		
			Q								BTLH	BTLHC	BTLHS
L Short BTLH BTLHC BTLHS	1-S	1/8	22	25.4	16x1.5	16	5	7					
	2-S	1/4	27	31.2	20x1.5	22	5	7					
	3-S	3/8	32	36.9	24x1.5	26	8	10					
	4-S	1/2	36	41.6	30x1.5	31	8	10					
	5-S	M5	19	21.9	12x1.5	15	5	7					

Fully Thread

Type	Material	Surface Treatment	Accessory	Max. Operating Pressure
BTLR	S45C	Trivalent Chromate	Hex Nut	20.6MPa
BTLRA	A5052	-	2 pcs.	1MPa
BTLRC	Free-Cutting Brass	-	-	6.9MPa
BTLRS	SUS304	-	-	20.6MPa

NPT Tips have steps for identification on NPT side.

Part Number	Type	No.	Rc (PT)		M (Coarse)	L	Included Nut			Unit Price			
			Q1	Q2			t	B	(C)	BTLR	BTLRA	BTLRC	BTLRS
BTLR BTLRA BTLRC BTLRS	1	1/8			16	30	8	24	26.8				
	1-1N	1/8		NPT1/8									
	2	1/4			30	45	15	46	50.9				
	3	3/8											
4	1/2	36	60										

Ordering Example

Part Number

BTLF3
BTLH1-S

Example

Can be positioned freely because it has no shoulder.

Type		Material	Hardness	Surface Treatment
Without Thread Coating	Thread Coated Type			
MSWT	MSWTK	SCM435	32~42HRC	Black Oxide
MSWTM	MSWTMK	SCM435		Electroless Nickel Plating
MSWTS	MSWTSK	SUSXM7	-	-
MSWTP	-	PEEK	-	-

After Tightening

Thread: JIS B0203 R (PT)

Gauge diameter at the position a is a theoretical value. For No. J, S, 1, actual maximum screw diameter may be smaller due to end chamfering.

RoHS 10

Allowable temperature for Thread Coated Type is 150°C.

Part Number	Type	No.	D	a	L	B	t	R (PT)	
									MSWT
		*S	7.779	0.47	6.4	4 ^{+0.03} _{-0.032}	3.1		
(Without Thread Coating) (Thread Coated Type)	MSWT MSWTM MSWTS MSWTP	MSWTK MSWTMK MSWTSK	1	9.728	0.45 (1.5)	7 (8)	5	3.5 (5)	1/8
			2	13.157	0.7 (1.8)	8.9 (11)	6	4.5 (7.6)	1/4
			3	16.662	0.7 (2.0)	10 (12)	8	5 (8)	3/8
			4	20.955		12	10	6	1/2
	6	26.441	0.9	14	14	7	3/4		
	8	33.249	1.1	16.5	17	9	1		

* S of MSWT is an ANSI standard screw. For installation, use hex key wrench 5/32 inch. J of MSWT is a JIS standard screw. Dimensions in () are for MSWTP.

No.	MSWTM		MSWTS		MSWTP	
	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
*J						
*S						
1						
2						
3						
4						
6						
8						

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

No.	MSWTK		MSWTMK		MSWTSK	
	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
1						
2						
3						
4						
6						
8						

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

Ordering Example

Part Number

MSWTJ
MSWTSK3