

# SCREW PLUGS

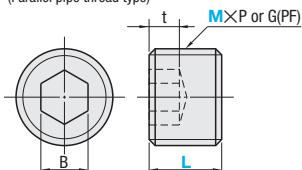
— PARALLEL SCREW TYPE / TAPERED SCREW TYPE —

ⓘ M2.5~M10 are Coarse thread, while M12~M45 (Pitch1.5) are fine thread.

## Parallel screw plug



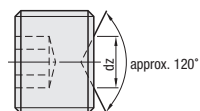
**MSW** (Metric thread type)  
**MSWS** (Metric thread short type)  
**D-MSW** (Parallel pipe thread type)



■ **MSW** SCM435 (M2.5~10)  
 S45C (M12~45)  
**MSWS** S45C  
**D-MSW** C3604

■ 34~43HRC  
 ■ Black Oxide (Fe<sub>3</sub>O<sub>4</sub>)  
 (Class 2 JIS B 0207)

## MSW : Dimensions and shape of cup point



| Part No. | dz max. |
|----------|---------|
| MSW3     | 1.4     |
| MSW4     | 2.0     |
| MSW5     | 2.5     |

ⓘ Note that the tips of MSW 3, 4 and 5 are the "cup points".

## Metric thread type

| MxP | L                    | B  | t   | Part No. Type | M   |
|-----|----------------------|----|-----|---------------|-----|
| 2.5 | 0.45                 | 3  | 1.3 | <b>MSW</b>    | 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                  | 10 | 5   |               | 10  |
| 12  | 1.5<br>(Fine thread) | 10 | 6   |               | 12  |
| 14  |                      |    |     |               | 14  |
| 16  |                      |    |     |               | 18  |
| 18  |                      |    |     |               | 20  |
| 20  | 12                   | 14 | 6   |               | 22  |
| 22  |                      |    |     |               | 24  |
| 24  |                      |    |     |               | 25  |
| 25  |                      |    |     |               | 26  |
| 26  |                      |    |     |               | 27  |
| 27  |                      |    |     |               | 28  |
| 28  |                      |    |     |               | 30  |
| 30  |                      |    |     |               | 33  |
| 33  | 17                   | 10 | 10  |               | 36  |
| 36  |                      |    |     | 38            |     |
| 38  |                      |    |     | 40            |     |
| 40  |                      |    |     | 42            |     |
| 42  |                      |    |     | 45            |     |
| 45  |                      |    |     |               |     |

## Metric thread short type

| MxP | L    | B  | t | Part No. Type | M-L  |
|-----|------|----|---|---------------|------|
| 8   | 1.25 | 4  | 4 | <b>MSWS</b>   | 8-6  |
| 10  | 1.5  | 5  | 5 |               | 10-6 |
| 12  | 6    | 6  | 3 |               | 12-6 |
| 14  |      |    |   |               | 14-6 |
| 16  |      |    |   |               | 16-6 |
| 18  |      |    |   |               | 18-6 |
| 20  | 10   | 8  | 4 |               | 20-8 |
| 22  |      |    |   |               | 22-8 |
| 24  |      |    |   |               | 24-8 |
| 25  | 8    | 14 | 4 |               | 25-8 |
| 26  |      |    |   | 26-8          |      |
| 27  |      |    |   | 27-8          |      |
| 28  |      |    |   | 28-8          |      |
| 30  | 17   | 10 | 4 | 30-8          |      |
| 33  |      |    |   | 33-8          |      |



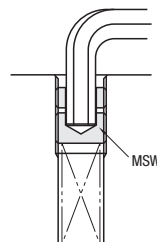
Example

## MSW · D-MSW

Adjustment of fixing position is easy.

## Short type

- Short L dimension enables use in small space.
- Plate material to process tap hole and load on screw plug are to be concerned because the amount of threading on the screw is small.



## Parallel pipe thread type

| G(PF) | L  | B  | t | Part No. Type | No. |
|-------|----|----|---|---------------|-----|
| G1/8  | 8  | 5  | 4 | <b>D-MSW</b>  | 1   |
| G1/4  | 10 | 7  | 5 |               | 2   |
| G3/8  | 10 | 8  | 5 |               | 3   |
| G1/2  | 10 | 10 | 5 |               | 4   |

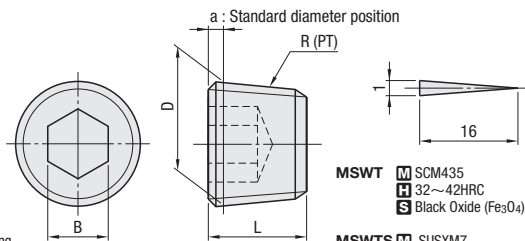
ⓘ \* The tips of MSW 3, 4 and 5 are the "cup points".

## Tapered screw plug



**MSWT** (Tapered type)  
**MSWTS** (Stainless, tapered type)

Thread part : JIS B 0203  
 Tapered thread R (PT) for tubing  
 \*However, the thread part of MSWT No. S is ANSI B2.2 tapered thread (NPT) for American tubing.



■ **MSWT** ■ SCM435  
 ■ 32~42HRC  
 ■ Black Oxide (Fe<sub>3</sub>O<sub>4</sub>)

■ **MSWTS** ■ SUSXM7

| D      | a    | L    | B                                     | t   | R(PT) | Part Number                      |     |
|--------|------|------|---------------------------------------|-----|-------|----------------------------------|-----|
|        |      |      |                                       |     |       | Type                             | No. |
| 7.723  | 0.45 | 6    | 4                                     | 3.0 | 1/16  | <b>MSWT</b>                      | *J  |
| 7.779  | 0.47 | 6.4  | 4 <sup>+0.033</sup> <sub>-0.032</sub> | 3.1 |       |                                  | *S  |
| 9.728  | 0.45 | 7    | 5                                     | 3.5 | 1/8   | <b>MSWT MSWTS</b><br>(Stainless) | 1   |
| 13.157 | 0.7  | 8.9  | 6                                     | 4.5 | 1/4   |                                  | 2   |
| 16.662 | 0.7  | 10   | 8                                     | 5   | 3/8   |                                  | 3   |
| 20.955 | 0.9  | 12   | 10                                    | 6   | 1/2   |                                  | 4   |
| 26.441 |      | 14   | 14                                    | 7   | 3/4   | 6                                |     |
| 33.249 | 1.1  | 16.5 | 17                                    | 9   | 1     | 8                                |     |

ⓘ No. of threads per 25.4mm. \* MSWT No. S is ANSI thread; Use a 5/32" hex wrench for mounting. MSWT No. J is JIS thread.



Order

Part No.

**D-MSW2**  
**MSWT 4**



Days to Ship

• **MSW D-MSW**  
**MSWT MSWTS**

Stock

• **MSWS**

5 Days



Price

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