

MJP Jet Plug metal

Mungo Jet Plug metal is designed for use in soft building materials. In drywall (sheetrock) no pre-drilling is required. MJP is to be used with a screw and MJPm is available with metric thread M6 or M8.



1 SPECIFICATIONS OF INTENDED USE

Futures:

- MJP39 - For single, double drywall, plasterboard and gypsum fibre board
- MJP32 - For single, double drywall, plasterboard, gypsum fibre board and limited spacing behind the drywall
- MJP25 - For single plasterboard and reduced spacing behind the board
- MJPm with metric thread (M6 or M8)

Base materials:

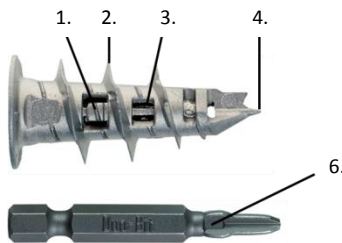
- Plasterboard
- Chipboard
- Gypsum
- Aerated concrete
- Cement fiber board

Applications:

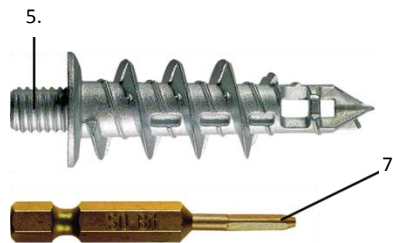
- Pictures
- Lamps
- Rails
- Small wall-mounted shelves

2 CHARACTERISTICS

MJP (Jet Plug metal)



MJPm (Jet Plug metal with thread)

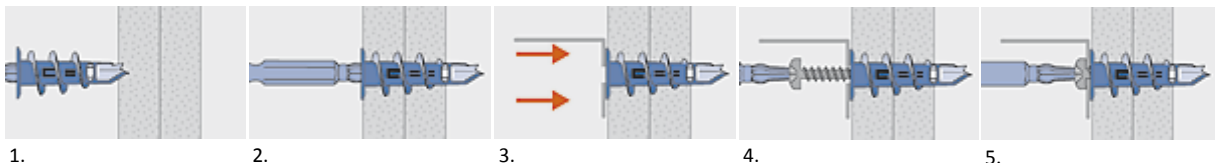


Characteristics:

1. MJP Back twist lock permits the disassembly of screws without the movement of the plug,
2. the thin cutting thread prevent expansion in soft building materials,
3. drilling-dust pockets allow ramming of building material to be removed in to the plug,
4. center point ensures an easy setting and drilling in the plate (in drywall no pre-drilling is required),
5. MJM (Jet Plug metal with thread) with M6 or M8 thread allows efficient fitting of the attached elements.
6. Duo-Bit for setting the MJP (Jet Plug metal),
7. SQ-Bit for setting the MJM (Jet Plug metal with thread).

3 INSTALLATION INSTRUCTIONS

Graphic installation guide



1. Place the MJP (Jet Plug metal) on a Duo-bit or MJM (Jet Plug metal with thread) on a SQ-Bit,
2. screw the Jet Plug directly into the drywall, until the collar is flush with the surface (in other materials 6 mm pre-drilling is recommended),
3. position the building material,
4. insert the screw using a Duo-Bit for MJP (Jet Plug metal), or corresponding nut and washer for MJM (Jet Plug metal with thread),
5. the building material may only be applied on the plug collar.

4 INSTALATION DATA

Installation parameters for MJP (Jet Plug metal) and MJPm (Jet Plug metal with thread)

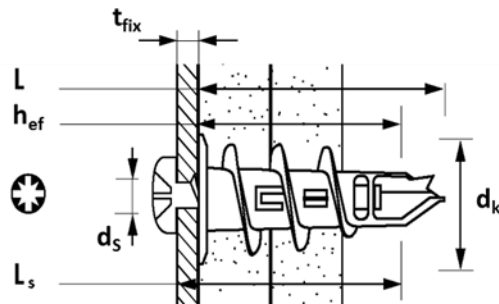
Installation parameters

MJP Jet Plug Metal			MJP25	MJP32	MJP39	MJP32-S ¹⁾	MJP39-S ¹⁾	MJPm/M6 ²⁾	MJPm/M8 ²⁾
Plug length	L	[mm]	25	32	39	32	39	39	39
Collar outer diameter	d _k	[mm]	13	14	14	14	14	14	14
INSTALLATION DATA FOR MJP Jet Plug metal									
Nominal drill hole diameter	d ₀	[mm]	6	6	6	6	6		
Screw diameter	d _s	[mm]	4 - 4.5	4 - 4.5	4 - 4.5	4.5	4.5		
Metric threaded rod size	d _s	[mm]	M4	M4	M4	—	—		
Entire screw length	L _s	[mm]	h _{ef} + t _{fix}	h _{ef} + t _{fix}	h _{ef} + t _{fix}	30	30		
Screw 4 mm effective anchorage depth	≥ h _{ef}	[mm]	20	20	20	—	—		
Screw 4.5mm effective anchorage depth	≥ h _{ef}	[mm]	15	15	15	15	15		
Maximum fixture thickness	t _{fix}	[mm]	—	—	—	15	15		
INSTALLATION DATA FOR MJPm Jet Plug metal with metric thread									
Nominal drill hole diameter	d ₀	[mm]						6	6
Metric threaded rod size	d _m	[mm]						M6	M8
Threaded rod length	L _G	[mm]						7	7

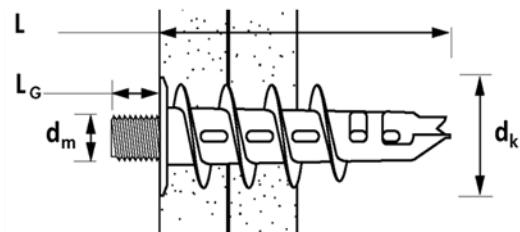
¹⁾Product includes the wood screw PZ2 4.5x30 mm

²⁾MJPm (Jet Plug metal with metric thread)

MJP (Jet Plug metal)



MJPm (Jet Plug metal with thread)



5 BASIC PERFORMANCE DATA

Basic performance data for MJP and MJPm with safety factor 3

Recommended tension resistance

MJP Jet Plug Metal			MJP25	MJP32	MJP39	MJP32-S ¹⁾	MJP39-S ¹⁾	MJPm/M6 ²⁾	MJPm/M8 ²⁾
Plug length	L	[mm]	25	32	39	32	39	39	39
RECOMMENDED TENSION LOAD									
Plasterboard d = 12.5 mm	N _{rec}	[N]	100	100	100	100	100	100	100
Aerated concrete with 6 mm pre-drilling	N _{rec}	[N]	100	100	100	100	100	100	100
Gypsum with 6 mm pre-drilling	N _{rec}	[N]	—	—	220	—	220	220	220
Gypsum fibre board	N _{rec}	[N]	150	150	150	150	150	150	150
Chipboard with 6 mm pre-drilling	N _{rec}	[N]	450	450	450	450	450	450	450

¹⁾Product includes the wood screw PZ2 4.5x30 mm

²⁾MJPm (Jet Plug metal with metric thread)

6 IMPORTANT NOTICE

Values in this document are only valued for Mungo MJP (Jet Plug metal) and MJPm (Jet Plug metal with metric thread). In recommended resistance the partial safety factor $\gamma = 3$ is considered. For combination of tensile loads, shear loads, bending moments as well as reduced edge distances or spacing's (anchor groups) above given values needs to be reduced. The data must be checked by the user under the responsibility of an engineer experienced in anchorage. This is to ensure there are no errors and all data is complete and accurate and complies with all rules and regulations for the actual conditions and application.