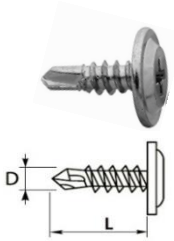
GM-B

SELF-DRILLING MONTAGE SCREW

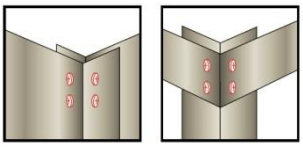


PRODUCT DESCRIPTION

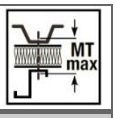
Drilling, self-tapping montage screws made of surface-hardened carbon steel, electroplated, with a drilling point, fine thread, and a 12 mm flat head with PH2 slot.

APPLICATION

Designed for mounting very thin steel parts and plastic components to steel profiles (up to 2.25 mm), and also for overlap joints of these components.
Protected with paint coating - polyester thickness of not less than 50 µm, intended for use in environments with corrosivity class C1, C2 and C3 according to PN-EN ISO 12944-2: 2001 standard.
Galvanized without paint coating intended for use in environments with corrosivity class C1, C2.



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum drill capacity [mm]	Maximum thickness of fixed elements [mm] 
			DC	MTmax
GM-B	NA	4,2 x 13	2,25	2
GM-B	NA	4,2 x 16	2,25	5
GM-B	NA	4,2 x 19	2,25	8
GM-B	NA	4,2 x 25	2,25	14
GM-B	NA	4,2 x 32	2,25	21
GM-B	NA	4,2 x 40	2,25	29
GM-B	NA	4,2 x 65	2,25	54

The working length of the connector is calculated from the maximum thickness of the DC substrate

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CHARACTERISTIC AND COMPENSATION CHARACTERISTICS OF STEEL PLATE RETAINING ANCHORS

Thickness of steel substrate *, [mm]	Characteristic bearing capacity Nrk, [kN]			
	Thickness of combined steel sheet **, [mm]			
	0,50	0,60	0,70	1,00
0,50	0,63	—	—	—
0,75	—	0,84	—	—

Thickness of steel substrate *, [mm]	Design load capacity Nrd, [kN]			
	Thickness of combined steel sheet **, [mm]			
	0,50	0,60	0,70	1,00
0,50	0,34	—	—	—
0,75	—	0,46	—	—

** Substrate made of S280GD steel according to PN-EN 10346: 2011 standard*
*** Mounted sheet steel of grade S235JR + N according to PN-EN 10025-1: 2007 standard*

CHARACTERISTIC AND COMPENSATION BEARING CAPACITY

Thickness attached or combined Sheet steel *, [mm]	0,50	0,60	0,75	1,00	1,25
Characteristic bearing capacity Nrk, [kN]	0,92	1,32	2,11	—	—
Design load capacity Nrd, [kN]	0,50	0,72	1,15	—	—

** S280GD steel substrate according to PN-EN 10346: 2006 standard, fastened sheet steel of grade S235JR + N according to PN-EN 10025: 2007 standard.*

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OTHER FEATURES

SUBSTRATE MATERIAL:	*PLATE*
DIAMETER OF FLAT HEAD:	*12 mm*
TYPE OF CUT:	*PH2*
MAXIMUM CAPACITY OF DRILLING:	*2,25 mm*
THICKNESS OF ZINC COATING:	*5 µm*
CORROSIVE ENVIRONMENT:	*PAINTED - C3* *UNPAINTED - C2*
OPINION ON ANTI-CORROSIVE PROTECTION:	*02248/16/Z00NZM*
POSSIBILITY OF PAINTING:	*YES*
PAINT COATING THICKNESS:	*50 µm*
RECOMMENDED ROTARY SPEED (IDLE):	*1800 rpm*

AT KDZ SZU

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