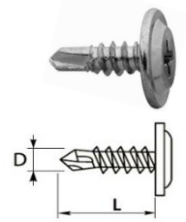


## GM-B

SELF-DRILLING  
MONTAGE SCREW



### PRODUCT DESCRIPTION

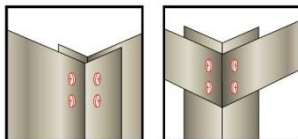
Drilling, self-tapping montage screws made of surface-hardened carbon steel, electroplated, with a drilling point, fine thread, and a 12 mm flat head with PH2 slot.

### 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*

## NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2018/0680

### CHARACTERISTIC BEARING CAPACITY OF SHEAR AND PULL-OUT FIXINGS FROM STEEL SUBSTRATE

Thickness of substrate <sup>1)</sup> [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class $\geq$ C24	
$M_{t,nom}$		8 Nm							
Thickness of steel substrate <sup>2)</sup> [mm]	Characteristic capacity For shear [kN]	0,50	0,92	0,92	0,92	—	—	—	/
		0,55	0,92	0,92	0,92	—	—	—	
		0,63	1,32	1,32	1,32	—	—	—	
		0,75	—	—	—	—	—	—	
		0,88	—	—	—	—	—	—	
		1,00	—	—	—	—	—	—	
	For pull-out [kN]	0,50	0,63	0,63	0,63	—	—	—	
		0,55	0,63	0,63	0,63	—	—	—	
		0,63	0,63	0,63	0,63	—	—	—	
		0,75	—	—	—	—	—	—	
		0,88	—	—	—	—	—	—	
		1,00	—	—	—	—	—	—	

<sup>1)</sup> steel grade S280GD, S320GD or S350GD according to PN-EN 10346:2015

<sup>2)</sup> steel grade S280GD, S320GD or S350GD according to PN-EN 10346:2015

If both elements I and II are made of steel grade S320GD, values  $V_{R,k}$  can be increased by 8,3%

If both elements I and II are made of steel grade S350GD, values  $V_{R,k}$  can be increased by 16,6%

## 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 $\mu$ m
CORROSIVE ENVIRONMENT:	PAINTED - C3 UNPAINTED - C2
OPINION ON ANTI-CORROSIVE PROTECTION:	02248/16/Z00NZM
POSSIBILITY OF PAINTING:	YES
PAINT COATING THICKNESS:	50 $\mu$ m
RECOMMENDED ROTARY SPEED (IDLE):	1800 rpm



KDWU



ZKP



SZU