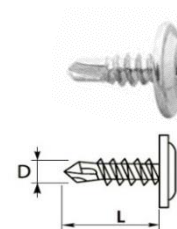


GMR-B

SELF-DRILLING
MONTAGE SCREW



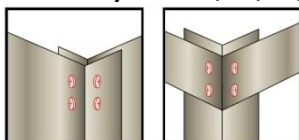
PRODUCT DESCRIPTION

Drilling, self-tapping montage screws made of surface-hardened carbon steel, with a drilling point, fine thread, and a 12 mm flat head with PH2 slot. With additional anti-corrosion protection coating - gRey.coat.


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, C3, C4 according to PN-EN ISO 12944-2:2018 standard.



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum thickness of fixed elements [mm]	
			DC	MTmax
GMR-B	NA	4,2 x 16	2,25	5
GMR-B	NA	4,2 x 19	2,25	8
GMR-B	NA	4,2 x 25	2,25	14

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

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

Thickness of substrate ¹⁾ [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class \geq C24	
$M_{t,nom}$		3 Nm							
Thickness of steel substrate ²⁾ [mm]	Characteristic capacity For shear [kN]	0,50	1,05	1,05	1,05	1,05	1,05	1,05	/
		0,55	1,05	1,05	1,05	1,05	1,05	1,05	
		0,63	1,24	1,24	1,24	1,24	1,24	1,24	
		0,75	1,95	1,95	1,95	1,95	1,95	1,95	
		0,88	1,95	1,95	1,95	1,95	1,95	1,95	
		1,00	2,46	2,46	2,46	2,46	2,46	2,46	
	For pull-out [kN]	0,50	0,41	0,41	0,66	0,84	0,84	1,41	
		0,55	0,41	0,41	0,66	0,84	0,84	1,41	
		0,63	0,41	0,41	0,66	0,84	0,84	1,41	
		0,75	0,41	0,41	0,66	0,84	0,84	1,41	
		0,88	0,41	0,41	0,66	0,84	0,84	1,41	
		1,00	0,41	0,41	0,66	0,84	0,84	1,41	

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

²⁾ 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:	TRAPEZOIDAL STEEL SHEET
DIAMETER OF FLAT HEAD:	12 mm
TYPE OF CUT:	PH2
MAXIMUM CAPACITY OF DRILLING:	2,25 mm
COATING:	gRey.coat
CORROSIVE ENVIRONMENT:	C4
OPINION ON ANTI-CORROSIVE PROTECTION:	02248/16/Z00NZM
POSSIBILITY OF PAINTING:	YES
PAINT COATING THICKNESS:	50 μ m
RECOMMENDED ROTARY SPEED (IDLE):	1800 rpm



KDWU



ZKP



SZU