

PRODUCT DATA SHEET – SMGN

Section 1. PRODUCT DESCRIPTION

METRIC HEX HEAD PARTIAL THREAD BOLT, CLASS 5.8 – SMGN

SMGN metric head partial thread bolt, class 5.8 for structural fastenings of sheet overlaps, members in steel and wooden structures. The bolt is made of zinc-plated low carbon steel. On hex head of the bolt, a code defining property a class and the manufacturer is marked. Metric thread over a part of length of the pin.

Bolt class: A

Tolerance of thread: 6g

Property class: 5.8

Yield point (f_{yb}): 400 MPa

Tensile strength (f_{ub}): 500 MPa



Metric bolts conform to: DIN 931

Section 2. TECHNICAL DATA

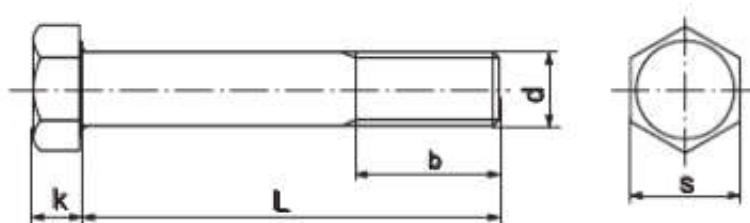


TABLE 1. TECHNICAL PARAMETERS / SELECTION TABLE

Thread	Product code	Diameter and length [d x L]	Scale	Thread length*	Head height	Wrench size	Pieces per pack
		[mm]	[-]	b [mm]	k [mm]	s [mm]	[kg]
M6	SMGN-06040	6 x 40	1,00	18/24/37	4,0	10	3
	SMGN-06050	6 x 50					3
	SMGN-06060	6 x 60					3
	SMGN-06070	6 x 70					3
	SMGN-06080	6 x 80					3
M8	SMGN-08050	8 x 50	1,25	22/28/41	5,3	13	3
	SMGN-08060	8 x 60					3
	SMGN-08070	8 x 70					3
	SMGN-08080	8 x 80					3
	SMGN-08090	8 x 90					3
	SMGN-08100	8 x 100					3/10
	SMGN-08110	8 x 110					3/10
	SMGN-08120	8 x 120					3/10
M10	SMGN-10050	10 x 50	1,50	26/32/45	6,4	17	3
	SMGN-10060	10 x 60					3/10
	SMGN-10070	10 x 70					3/10
	SMGN-10080	10 x 80					3/10
	SMGN-10090	10 x 90					3/10
	SMGN-10100	10 x 100					3/10

PRODUCT DATA SHEET – SMGN

	SMGN-10120	10 x 120					3/10
	SMGN-10150	10 x 150					3/10
M12	SMGN-12050	12 x 50	1,75	30/36/49	7,5	19	3
	SMGN-12060	12 x 60					3
	SMGN-12070	12 x 70					3
	SMGN-12080	12 x 80					3
	SMGN-12090	12 x 90					3
	SMGN-12100	12 x 100					3
	SMGN-12120	12 x 120					3
	SMGN-12150	12 x 150					3
	SMGN-12180	12 x 180					3
M16	SMGN-16050	16 x 50	2,00	38/44/57	10,0	24	3
	SMGN-16060	16 x 60					3
	SMGN-16070	16 x 70					3
	SMGN-16080	16 x 80					3
	SMGN-16090	16 x 90					3
	SMGN-16100	16 x 100					3
	SMGN-16120	16 x 120					3
	SMGN-16150	16 x 150					3
	SMGN-16180	16 x 180					3
M20	SMGN-20060	20 x 60	2,50	46/52/65	12,5	30	3
	SMGN-20070	20 x 70					3
	SMGN-20080	20 x 80					3
	SMGN-20090	20 x 90					3
	SMGN-20100	20 x 100					3
	SMGN-20120	20 x 120					3
	SMGN-20150	20 x 150					3
	SMGN-20180	20 x 180					3

*The length of the thread depends on the length of the screw L < 125 mm / 125 mm < L < 200 mm / L > 200 mm

Section 3. REMARKS

1. All previous versions of this Product Data Sheet shall cease to be valid
2. Data given in this Product Data Sheet is in accordance with current knowledge and published in good faith. KLIMAS Sp. z o.o. is not responsible for correctness and quality of the fixing if recommendations regarding method of use and installation are not followed.