

PRODUCT DATA SHEET – SMGP

Section 1. PRODUCT DESCRIPTION

METRIC HEX HEAD FULL THREAD BOLT, CLASS 5.8 – SMGP

SMGP metric head full 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 the whole 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 933

Section 2. TECHNICAL DATA

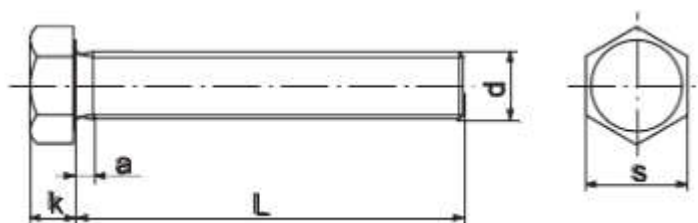


TABLE 1. TECHNICAL PARAMETERS / SELECTION TABLE

Thread	Product code	Diameter and length [d x L]	Scale	Length of the unthreaded part	Head height	Wrench size	Pieces per pack
		[mm]	[-]	a [mm]	k [mm]	s [mm]	[kg]
M5	SMGP-05016	5,0 x 16	0,80	2,4	3,5	8	3
	SMGP-05020	5,0 x 20					3
	SMGP-05025	5,0 x 25					3
	SMGP-05030	5,0 x 30					3
	SMGP-05035	5,0 x 35					3
	SMGP-05040	5,0 x 40					3
	SMGP-05050	5,0 x 50					3
M6	SMGP-06016	6,0 x 16	1,00	3,0	4,0	10	3/10
	SMGP-06020	6,0 x 20					3/10
	SMGP-06025	6,0 x 25					3/10
	SMGP-06030	6,0 x 30					3/10
	SMGP-06035	6,0 x 35					3/10
	SMGP-06040	6,0 x 40					3/10
	SMGP-06045	6,0 x 45					10
	SMGP-06050	6,0 x 50					3/10
	SMGP-06055	6,0 x 55					10
	SMGP-06060	6,0 x 60					3/10
	SMGP-06065	6,0 x 65					10
	SMGP-06070	6,0 x 70					3/10

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	SMGP-06075	6,0 x 75					10
	SMGP-06080	6,0 x 80					3/10
	SMGP-06090	6,0 x 90					10
	SMGP-06100	6,0 x 100					10
	SMGP-06120	6,0 x 120					10
M8	SMGP-08016	8,0 x 16	1,25	4,0	5,3	13	3/10
	SMGP-08020	8,0 x 20					3/10
	SMGP-08025	8,0 x 25					3/10
	SMGP-08030	8,0 x 30					3/10
	SMGP-08035	8,0 x 35					3/10
	SMGP-08040	8,0 x 40					3/10
	SMGP-08045	8,0 x 45					10
	SMGP-08050	8,0 x 50					3/10
	SMGP-08060	8,0 x 60					3/10
	SMGP-08070	8,0 x 70					3/10
	SMGP-08080	8,0 x 80					3/10
	SMGP-08100	8,0 x 100					10
M10	SMGP-10020	10 x 20	1,50	4,0	6,4	17	3/10
	SMGP-10025	10 x 25					3/10
	SMGP-10030	10 x 30					3/10
	SMGP-10035	10 x 35					3/10
	SMGP-10040	10 x 40					3/10
	SMGP-10050	10 x 50					3/10
	SMGP-10060	10 x 60					3/10
	SMGP-10070	10 x 70					3/10
	SMGP-10080	10 x 80					3/10
	SMGP-10100	10 x 100					3
M12	SMGP-12020	12 x 20	1,75	5,3	7,5	19	3
	SMGP-12025	12 x 25					3
	SMGP-12030	12 x 30					3
	SMGP-12035	12 x 35					3
	SMGP-12040	12 x 40					3
	SMGP-12050	12 x 50					3
	SMGP-12060	12 x 60					3
	SMGP-12070	12 x 70					3
	SMGP-12080	12 x 80					3
	SMGP-12100	12 x 100					3
M16	SMGP-16025	16 x 25	2,00	6,0	10,0	24	3
	SMGP-16030	16 x 30					3
	SMGP-16040	16 x 40					3
	SMGP-16050	16 x 50					3
	SMGP-16060	16 x 60					3
	SMGP-16070	16 x 70					3
	SMGP-16080	16 x 80					3
	SMGP-16100	16 x 100					3
M20	SMGP-20040	20 x 40	2,50	7,5	12,5	30	3
	SMGP-20050	20 x 50					3
	SMGP-20060	20 x 60					3
	SMGP-20070	20 x 70					3
	SMGP-20080	20 x 80					3
	SMGP-20100	20 x 100					3

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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.