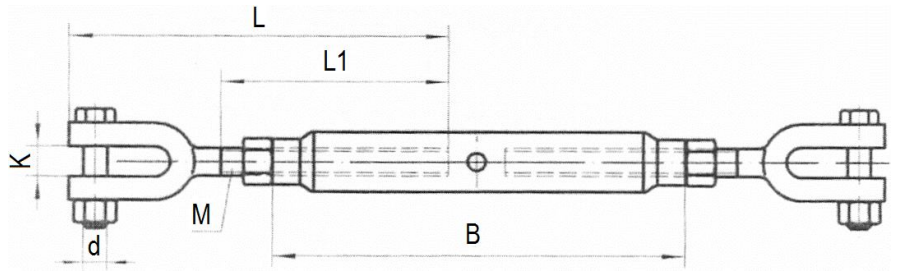
Technical sheet No 43GM/KAR

1. Supplier name: **GÓRALMET Sp. z o.o.** | Supplier address: **ul. Krakowska 68, 32-860 Czchów, tel/fax 014 6635260**

2. Product name: **GM SR-SS Double sided screw connector**



3. GÓRALMET double sided screw connectors are designed for making tie-beams of metal and wooden building constructions in residential buildings, buildings of collective habitation, public, industry and store buildings. They are used as devices for tensioning and adjusting tie-beams designed in accordance with the requirements of EN 1993-1-11 and EN 1995-1-1.

   Storage, assembly, inspection and maintenance - according to „Assembly instruction of GORALMET double sided screw connectors"

4. Technical parameters:

No	Size	Nominal dimensions [mm]							Weight [kg/pc]	BF Breaking force [min. kN]	Material	Coating
		B, mm	L, mm	$L1_{min}$, mm	K, mm	Gwint d	---	---				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	**M6**	110 ± 2	103 ± 3	60	6,6	M5	---	---	0,15	12,13	Construction steel Rm ≥ 370 Mpa Re ≥ 235 Mpa	Zinc coating min. 5 µm
2	**M8**	110 ± 2	110 ± 3	60	9	M6	---	---	0,26	18,94		
3	**M10**	125 ± 2	123 ± 3	66	10,5	M8	---	---	0,42	31,94		
4	**M12**	125 ± 3	137 ± 4	68	13	M10	---	---	0,63	44,03		
5	**M16**	168 ± 3	182 ± 4	95	18,5	M12	---	---	1,30	77,62		
6	**M20**	200 ± 3	215 ± 5	116	20,5	M16	---	---	2,20	118,25		
7	**M22**	220 ± 3	245 ± 5	135	25	M20	---	---	3,40	132,67		
8	**M24**	253 ± 5	280 ± 5	155	29,5	M22	---	---	4,70	163,81		

5. Additional informations:

- ITB National Technical Assessment number: ITB-KOT-2021/1923 version 2
- BF- breaking force
- Recommended safety factor - min.1,75. Maximum load capacity = BF / 1,75
- Manufacturer and product identification code: GM SR-SS
- Traceability code: batch number described on the product label
- Markings: manufacturer's symbol - GM; AT; size; marking the left-hand thread side - L