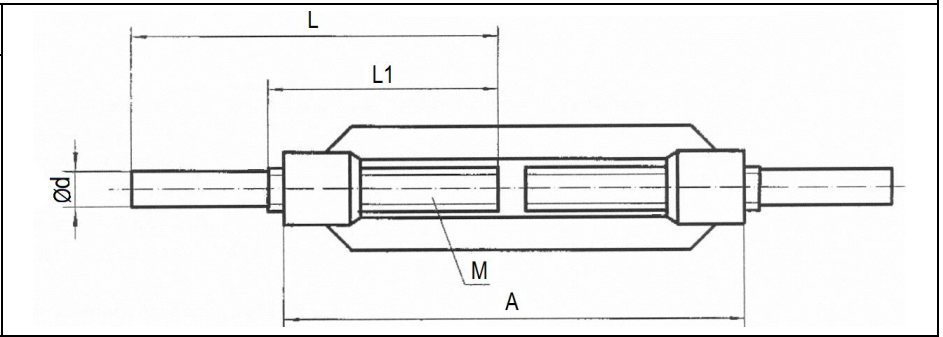
Technical sheet No 7GM/KAR

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

2. Product name: **GM SO-PP 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
		L, mm	$L1_{min}$, mm	A, mm	Φd, mm	---	---	---				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	**M5**	85 ± 3	37	70	4,4	---	---	---	0,05	8,75	Construction steel Rm ≥ 370 Mpa Re ≥ 235 Mpa	Zinc coating min. 5 µm
2	**M6**	120 ± 3	62	110	5,25	---	---	---	0,09	12,17		
3	**M8**	120 ± 3	62	110	7,1	---	---	---	0,16	20,46		
4	**M10**	150 ± 3	72	124	8,9	---	---	---	0,29	26,68		
5	**M12**	150 ± 3	72	124	10,7	---	---	---	0,41	43,60		
6	**M14**	162 ± 4	82	139	12,5	---	---	---	0,60	53,61		
7	**M16**	197 ± 4	96	170	14,5	---	---	---	0,92	94,76		
8	**M20**	218 ± 5	116	200	18,1	---	---	---	1,63	142,00		
9	**M22**	218 ± 5	126	215	20,1	---	---	---	2,00	172,64		
10	**M24**	258 ± 5	146	254	21,7	---	---	---	2,70	198,14		
11	**M30**	258 ± 5	155	254	27,3	---	---	---	4,08	269,14		
12	**M36**	300 ± 5	175	292	33,0	---	---	---	7,09	426,50		
13	**M42**	350 ± 5	195	330	38,8	---	---	---	11,12	518,55		

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 SO-PP
- Traceability code: batch number described on the product label
- Markings: manufacturer's symbol - GM; AT; size; marking the left-hand thread side - L