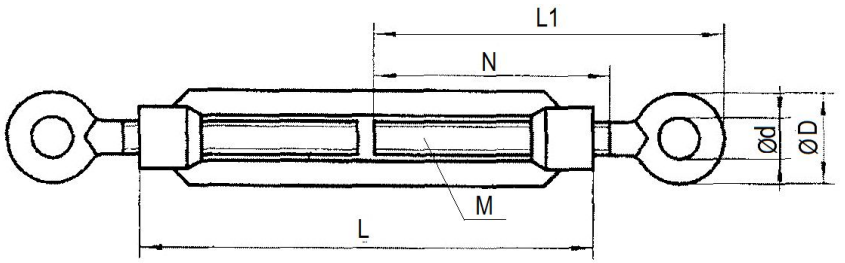
Technical sheet No 5GM/KAR

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-OO 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	N_{min}, mm	L1, mm	Φd, mm	ΦD, mm	---	---				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	**M5**	70 +0,9 / -0,5	32	58 ± 3	8	16,5	---	---	0,05	4,84	Construction steel Rm ≥ 370 Mpa Re ≥ 235 Mpa	Zinc coating min. 5 µm
2	**M6**	110 +1,5 / -0,6	52	81 ± 3	9	20	---	---	0,10	7,80		
3	**M8**	110 +1,5 / -0,6	54	85 ± 3	10	23	---	---	0,16	14,74		
4	**M10**	124 +2,0 / -1,0	63	107 ± 3	14	31,5	---	---	0,28	24,80		
5	**M12**	124 +2,0 / -1,0	65	111 ± 3	16	35	---	---	0,39	30,90		
6	**M14**	139 +2,0 / -1,0	70	125 ± 4	18	41	---	---	0,58	45,00		
7	**M16**	170 +2,0 / -1,0	83	150 ± 4	22	47,5	---	---	0,90	58,53		
8	**M18**	194 +2,0 / -1,0	93	163 ± 4	25	51,5	---	---	1,24	72,07		
9	**M20**	200 +2,0 / -1,5	100	172 ± 5	24	53	---	---	1,60	72,13		
10	**M22**	215 +2,0 / -1,5	113	194 ± 5	28	60	---	---	1,98	94,78		
11	**M24**	254 +3,5 / -2,5	130	217 ± 5	28	65	---	---	2,77	162,20		
12	**M27**	254 +3,5 / -2,5	130	227 ± 5	31	71,5	---	---	3,80	164,34		
13	**M30**	254 +3,5 / -2,5	130	227 ± 5	31,5	71	---	---	4,05	185,83		
14	**M36**	292 +3,5 / -2,5	155	280 ± 5	37	92,5	---	---	9,08	237,66		

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