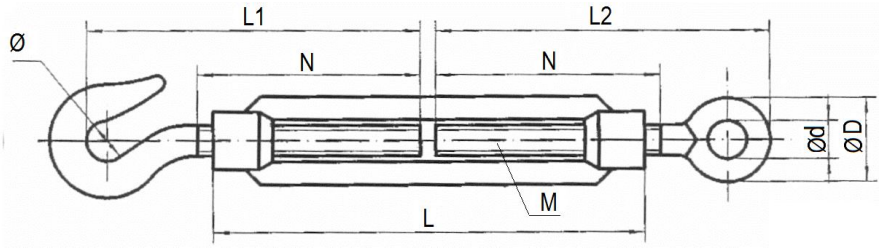
Technical sheet No 3GM/KAR

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-HO 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	D, mm	d, mm	L2, mm	Φ, mm	N_{min}, mm	L1, mm				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	**M5**	70 +0,9 / -0,5	16,5	8	58 ± 3	6,9	32	57 ± 3	0,05	2,18	Construction steel Rm ≥ 370 Mpa Re ≥ 235 Mpa	Zinc coating min. 5 µm
2	**M6**	110 +1,5 / -0,6	20	9	81 ± 3	8,5	52	80 ± 3	0,09	2,91		
3	**M8**	110 +1,5 / -0,6	23	10	85 ± 3	10,5	54	86 ± 3	0,16	6,05		
4	**M10**	124 +2,0 / -1,0	31,5	14	107 ± 3	13,5	63	106 ± 3	0,28	7,95		
5	**M12**	124 +2,0 / -1,0	35	16	111 ± 3	16	65	115 ± 3	0,41	8,50		
6	**M14**	139 +2,0 / -1,0	41	18	125 ± 4	18,5	70	124 ± 4	0,60	10,02		
7	**M16**	170 +2,0 / -1,0	47,5	22	150 ± 4	20	83	144 ± 4	0,91	13,56		
8	**M18**	194 +2,0 / -1,0	51,5	25	163 ± 4	21,5	93	166 ± 4	1,30	16,13		
9	**M20**	200 +2,0 / -1,5	53	24	172 ± 5	21,5	100	171 ± 5	1,63	21,39		
10	**M22**	215 +2,0 / -1,5	60	28	194 ± 5	25	113	200 ± 5	2,22	41,28		
11	**M24**	254 +3,5 / -2,5	65	28	217 ± 5	26	130	220 ± 5	3,03	41,44		
12	**M27**	254 +3,5 / -2,5	71,5	31	227 ± 5	31,5	130	244 ± 5	4,30	74,40		
13	**M30**	254 +3,5 / -2,5	71	31,5	227 ± 5	31,5	130	242 ± 5	4,42	68,67		
14	**M36**	292 +3,5 / -2,5	92,5	37	280 ± 5	46	155	274 ± 5	8,56	115,28		

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