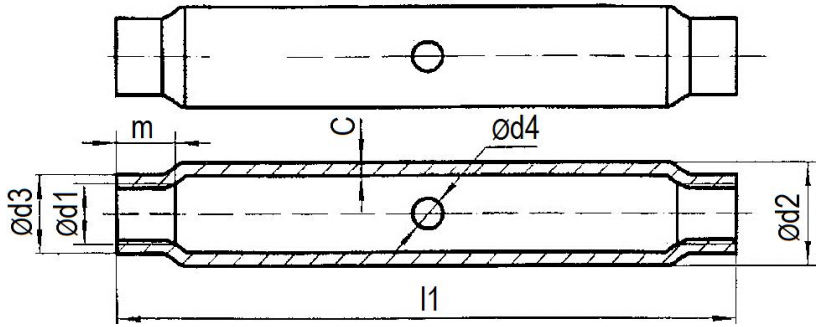
Technical sheet No 42GM/KAR

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-K Tube tension nut**



3. GÓRALMET tube tension nuts 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
		l1, mm	Φd2, mm	$Φd3_{min}$, mm	Φd4, mm	c_{min}, mm	m_{min}, mm	---				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	**M5**	72 ± 2	14,5 ± 0,3	10,0	6,5 ± 0,3	2,9	6,0	---	0,05	11,54	Construction steel Rm ≥ 370 Mpa Re ≥ 235 Mpa	Zinc coating min. 5 µm
2	**M6**	110 ± 2	14,7 ± 0,3	11,0	6,5 ± 0,3	2,9	7,5	---	0,09	17,05		
3	**M8**	110 ± 2	17,2 ± 0,3	12,8	8,6 ± 0,3	3,5	10,0	---	0,12	32,68		
4	**M10**	125 ± 2	21,3 ± 0,3	15,8	8,4 ± 0,3	3,6	12,0	---	0,18	46,93		
5	**M12**	125 ± 3	25,2 ± 0,7	17,5	10,4 ± 0,3	3,6	15,0	---	0,21	76,21		
6	**M16**	168 ± 3	29,9 ± 0,7	22,0	11,2 ± 0,6	4,3	20,0	---	0,42	134,42		
7	**M20**	200 ± 3	33,8 ± 0,7	27,0	12,3 ± 0,6	4,9	24,0	---	0,62	166,59		
8	**M22**	220 ± 3	36,1 ± 0,7	28,5	12,5 ± 0,6	5,0	26,5	---	0,88	234,61		
9	**M24**	253 ± 5	42,6 ± 0,7	30,5	12,5 ± 0,6	5,2	29,0	---	1,08	221,80		
10	**M27**	253 ± 5	42,0 ± 0,7	32,0	14,1 ± 0,6	5,2	32,0	---	1,08	249,78		
11	**M30**	253 ± 5	51,1 ± 0,7	38,0	16,5 ± 0,6	6,0	36,0	---	1,55	347,44		
12	**M36**	289 ± 7	64,0 ± 0,7	47,5	16,5 ± 0,6	7,7	43,0	---	3,00	578,45		
13	**M42**	330 ± 7	70,0 ± 0,7	54,0	20,5 ± 0,6	8,8	51,0	---	3,95	751,66		

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