

Technical sheet No 74GM/KAR

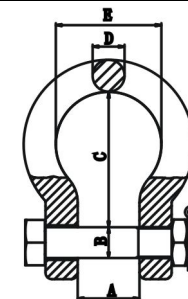
1. Supplier name: **GÓRALMET Sp. z o.o.**

Supplier address: **ul. Krakowska 68, 32-860 Czchów, tel/fax 014 6635260**

2. Product name: **GM-SOZ bolt type pin bow shackle, grade 6**

3. Description and use: Forged steel bow (omega) shackle with bolt type pin with hexagon head, hexagon nut and split cotter pin - type X, for lifting objects, loads and cargo's, for wire rope slings made in accordance with EN 13414-1, and for textile slings made in accordance with EN 1492-1, EN 1492-2, within technical parameters given in point 5 and the Directive 2006/42/EC. The using for textile slings is allowed under condition of selecting shackle with WLL at least 20% higher than the WLL of the sling.

4. GM-SOZ shackles has construction and WLL's conform with EN 13889+A1 norm, however - because of different steel type and different safety factor - are not fully conform. Working load limits are given for the normal working conditions. Usage in extreme conditions is not allowed without supplier agreement. Storage, installation and usage - according to instruction manual for lifting accessories.



5. Technical parameters:

No	Size (WLL) [t]	Nominal dimensions [mm]						Weight [kg/pc]	WLL Working load [t]	MPF Proof force [kN]	BF Breaking force [min. kN]	Material	Coatings
		A	B	C	D	E							
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2	20,5	15,7	49	12,7	32,5		0,353	2	39,2	117,7	35CrMo	Body - HDG Pin and nut - EG + powder coating RAL 9005
2	3,25	27	18,5	60	16	42,5		0,670	3,25	63,7	191,2		
3	4,75	32,5	21,5	70,5	19,5	49,5		1,084	4,75	93,2	279,5		
4	6,5	37,5	24,5	84,5	23	57,5		1,719	6,5	127,5	382,5		
5	8,5	43	27,5	95	26	68		2,528	8,5	166,7	500,1		
6	9,5	45	32	106	29	72,5		3,518	9,5	186,3	559,0		
7	12	49	35	118	33	80		4,950	12	235,4	706,1		
8	13,5	57	37,5	134	35	91		6,480	13,5	264,8	794,3		
9	17	62	41,5	149	38	98		8,420	17	333,4	1000,3		
10	25	75	49,5	176	47,5	126,5		14,330	25	490,3	1471,0		

6. Additional informations:

- Safety factor - 6
- $MPF=2,0 \times g \times WLL$, $BF=6,0 \times g \times WLL$ where g - acceleration of gravity in m/s^2 (i.e. 9,80665).
- Manufacturer and product identification code: GM-SOZ
- Traceability code: a four-digit number by formula - YYMM (YY = year of production, MM = month of production)
- Markings: manufacturer's symbol – GORALMET or GMG;  ; manufacturer and product identification code; traceability code; WLL....T
- Marking of pins in size 1T and larger: GM or GMG
- Additional informations – label:  ; product name; size (WLL...T); quantity; order No; manufacturer's data and website address.