

Technical sheet No 157GM/KAR

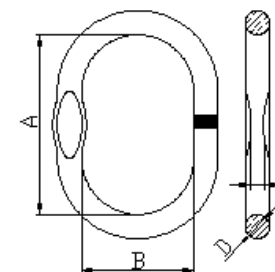
1. Supplier name: **GÓRALMET Sp. z o.o.**

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

2. Product name: **GM-OP10 Master link**

3. Description and use: Grade 10 master links for slings and lifting purposes. For use within technical parameters given in point 5 and the Directive 2006/42/EC.

4. The sizes of GM-OP10 links are given as **X/Y** scheme which refers to the use of the link in grade 10 chain slings and means: **Code X** - size code of a single-leg sling for which the link can be used, **Code Y** - size code of a two-leg sling working with an "1,4" safety factor for which the link can be used. 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 [mm]	Nominal dimensions [mm]								Weight [kg/pc]	WLL Working load [t]	MPF Proof force [kN]	BF Breaking force [min. kN]	Material	Coatings	Product code No
		A	B	D	S											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	7/6	110	60	14	8,5					0,388	2,3	56,4	90,2	Grade 10 steel: Cr >= 0,40 % Ni >= 0,40 % Mo >= 0,15 % Al >= 0,025 % S <= 0,025 % P <= 0,025 %	Paint	7/6
2	8/7	110	60	16	8,5					0,540	3,5	85,8	137,3			8/7
3	10/8	140	75	18,5	10,5					0,877	5	122,6	196,1			10/8
4	13/10	160	85	23,5	12,5					1,647	7,6	186,3	298,1			13/10
5	16/13	180	100	29,5	15					2,925	10	245,2	392,3			16/13

6. Additional informations:

- Safety factor - 4
- $MPF = 2,5 \times g \times WLL$, $BF = 4,0 \times g \times WLL$ where g - acceleration of gravity in m/s² (i.e. 9,80665)
- Manufacturer and product identification code: GM-OP10
- Traceability code: a four-digit number by formula -YYMM (YY = year of production, MM = month of production)
- Markings: manufacturer's symbol – GMG; ; TITANOBOA; manufacturer and product identification code; traceability code; product code No; class No – 10
- Additional informations – label: ; product name; product code No (size); WLL...T; quantity; order No; manufacturer's data and website address.