

Technical sheet No 152GM/KAR

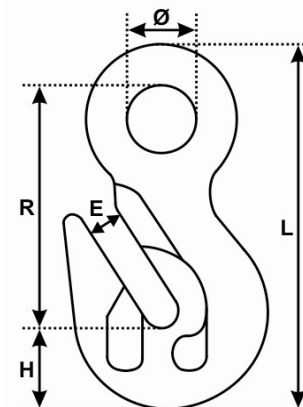
1. Supplier name: **GÓRALMET Sp. z o.o.**

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

2. Product name: **GM-HR8 Eye shortening grab hook EN 1677-1**

3. Description and use: Grade 8 forged steel hooks with eye (type E) - for slings and lifting purposes. For use within technical parameters given in point 5 and the Directive 2006/42/EC

4. 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
		E	Ø	H	R	L								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	8	9,3	20	23,5	71	106		0,398	2	49	78,5	Grade 8 steel: Cr >= 0,40 % Ni >= 0,40 % Mo >= 0,15 % Al >= 0,025 % S <= 0,025 % P <= 0,025 %	Paint	8
2	10	12,2	22	30,5	88,5	134		0,846	3,15	77,2	124			10
3	13	15,5	27,5	40,5	107	165		1,738	5,3	130	208			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/s^2 (i.e. 9,80665)
- Manufacturer and product identification code: GM-HR8
- Traceability code: a four-digit number by formula - YYMM (YY = year of production, MM = month of production)

➤ Markings: manufacturer's symbol – GMG;  ; manufacturer and product identification code; traceability code; product code No; class No – 8; WLL....T

➤ Additional informations – label:  ; product name; product code No (size); WLL...T; quantity; order No; manufacturer's data and website address.