

## Technical sheet No 50GM/KAR

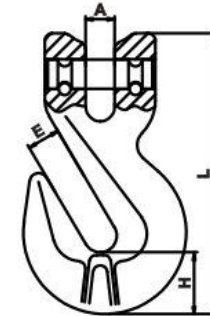
1. Supplier name: **GÓRALMET Sp. z o.o.**

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

2. Product name: **GM086-G8 Clevis shortening grab hook EN 1677-1**

3. Description and use: Grade 8 forged steel hooks with clevis (type C) - 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	A	H	L	Pin [Ø mm]								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	<b>6</b>	8	7,5	16	74	7,6		0,181	1,12	27,5	43,9	Grade 8 steel: Cr >= 0,40 % Ni >= 0,40 % Mo >= 0,15 % Al >= 0,025 % S <= 0,025 % P <= 0,025 %	Paint	6
2	<b>7/8</b>	10,5	9	20	91	9,5		0,346	2	49	78,5			7/8
3	<b>10</b>	12,5	12	29	125	13		0,847	3,15	77,2	124			10
4	<b>13</b>	16	15	42,5	162,5	15,8		1,689	5,3	130	208			13
5	<b>16</b>	18,5	17,5	44,5	181	19,5		2,819	8	196	314			16

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<sup>2</sup> (i.e. 9,80665)
- Manufacturer and product identification code: GM086
- Traceability code: a four-digit number by formula - YYMM (YY = year of production, MM = month of production)
- Markings: manufacturer's symbol – or GMG; ; manufacturer and product identification code; traceability code; product code No; class No – 8; WLL....T
- Marking of bolts of 13 mm in diameter and larger: or GMG; 8
- Additional informations – label: ; product name; product code No (size); WLL...T; quantity; order No; manufacturer's data and website address.