

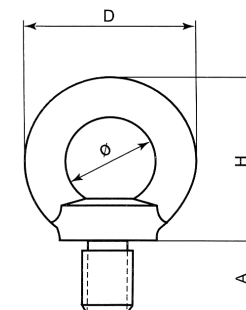
Technical sheet No 2GM/KAR

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

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

2. Product name: **GM580 Eye bolt**

3. Description and use: Forged steel eye bolt with standard right-hand metric thread, for use as a fastener for lifting objects, loads, cargo's, and for other purposes within technical parameters given in point 5 and the Directive 2006/42/EC.
4. Working load limits listed in column 11 and point 6 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	Nominal dimensions [mm]							Weight [kg/pc]	WLL Working load [t]*	MPF Proof force [kN]	BF Breaking force [min. kN]	Material	Coatings
		D	Ø	H	A	-	-	-						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	M6	36	20	36	13	-	-	-	0,052	0,09	1,77	5,3	C15	Electro-galvanized
2	M8	36	20	36	13	-	-	-	0,054	0,14	2,75	8,2		
3	M10	45	25	45	17	-	-	-	0,099	0,23	4,51	13,5		
4	M12	54	30	53	20,5	-	-	-	0,164	0,34	6,67	20,0		
5	M14	54	30	53	20,5	-	-	-	0,171	0,50	9,81	29,4		
6	M16	63	35	62	27	-	-	-	0,288	0,70	13,73	41,2		
7	M18	63	35	62	27	-	-	-	0,300	0,93	18,24	54,7		
8	M20	72	40	71	30	-	-	-	0,457	1,20	23,54	70,6		
9	M22	72	40	71	30	-	-	-	0,463	1,50	29,42	88,3		
10	M24	90	50	90	36	-	-	-	0,874	1,80	35,30	105,9		
11	M27	90	50	90	36	-	-	-	0,936	2,50	49,03	147,1		
12	M30	108	60	109	45	-	-	-	1,626	3,60	70,61	211,8		

6. Additional informations:

- Safety factor – 6 (* for the vertical loading). Eye bolt can be forced parallelly to the plane of the eye at angle up to 45° on condition of WLL reduction by 30%, or at angle 45° to 90° with WLL reduction to 50% of vertical WLL value. It is forbidden to force eye bolt across the plane of the eye. Given WLL values are only for properly assembled product, i.e when the screw thread is entirely screwed into the mounting hole and flange of eye bolt rest on the support surface
- MPF=2,0 x g x WLL, BF =6,0 x g x WLL where g - acceleration of gravity in m/s² (i.e. 9,80665)
- Manufacturer and product identification code: GM580
- Markings: manufacturer's symbol – GMG;  ; material code – C15; size; WLL....T
- Additional informations – label:  ; product name; size; quantity; order No; manufacturer's data and website address.