AR-FO

GA-FO

GE-SP

CHARACTERISTICS

- Hook and eye bolts with metric thread.
- Forged steel (AR-FO y GA-FO) and stamped steel (GE-SP).
- Valid for different applications.
- Variety of metrics, formats and lengths: installation flexibility.
- Zinc-plated coating.

APPLICATION EXAMPLES

1.RANGE

ITEM	CODE	PHOTO	THREAD	COATING	MATERIAL
1	AR-FO				Forged carbon steel Coating: zinc-plated ≥ 5 µm s/ISO 4042
2	GA-FO				Forged carbon steel Coating: zinc-plated ≥ 5 µm s/ISO 4042
3	GE-SP				Stamped carbon steel Coating: zinc-plated ≥ 5 µm s/ISO 4042

2. INSTALLATION DATA

2.1 AR-FO — Forged eye bolt

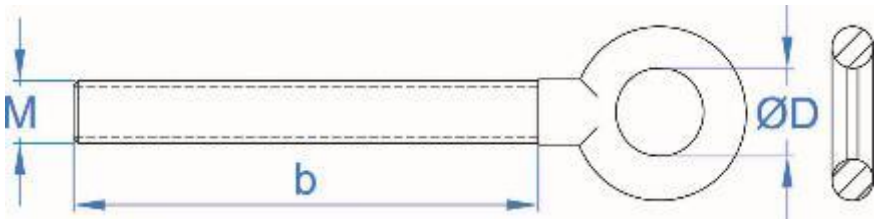
Properties

Steel	Zinc-plated coating	Metric Thread

Installation data

CODE		ARFOM06Z	ARFOM08Z	ARFOM10Z	ARFOM12Z	ARFOM16Z
M: Metric	[mm]	6	8	10	12	16
b: Thread length	[mm]	55	60	73	90	110
ØD: Inside diameter	[mm]	10	11,8	14,5	17	23,5
$N_{Rk,s}$: Characteristic steel resistance	[kN]	4,21	11,43	15,86	16,89	70,02
$\gamma_{M,s}$: Safety factor	[--]	1,40	1,40	1,40	1,40	1,40
$N_{Rd,s}$: Design steel resistance	[kN]	3,00	8,16	11,33	12,07	50,01

DRAWING



* In case of using it in combination with an anchor, check its technical data sheet.

2.2 GA-FO — Forged hook bolt

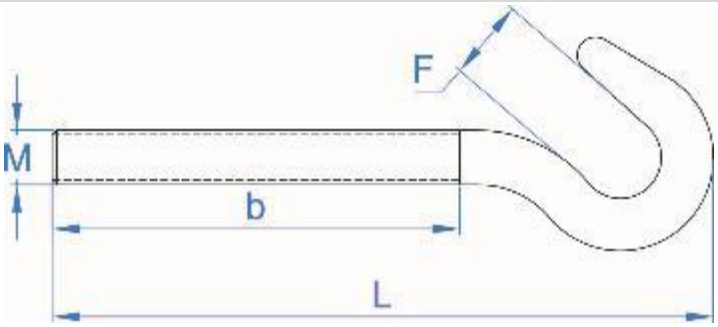
Properties

Steel	Zinc-plated coating	Metric Thread

Installation data

CODE		GAFOM06Z	GAFOM08Z	GAFOM10Z	GAFOM12Z	GAFOM16Z
M: Metric	[mm]	6	8	10	12	16
b: Thread length	[mm]	55	60	73	90	110
F: opening hook	[mm]	8	10	12,5	16	20
L: total length	[mm]	82	98	116,5	146	185
$N_{Rk,s}$: Characteristic steel resistance	[kN]	1,64	3,19	5,00	8,16	14,8
$\gamma_{M,s}$: Safety factor	[--]	1,40	1,40	1,40	1,40	1,40
$N_{Rd,s}$: Design steel resistance	[kN]	1,17	2,28	3,57	5,83	10,57

DRAWING



* In case of using it in combination with an anchor, check its technical data sheet.

2.3 GE-SP — Hook spiral

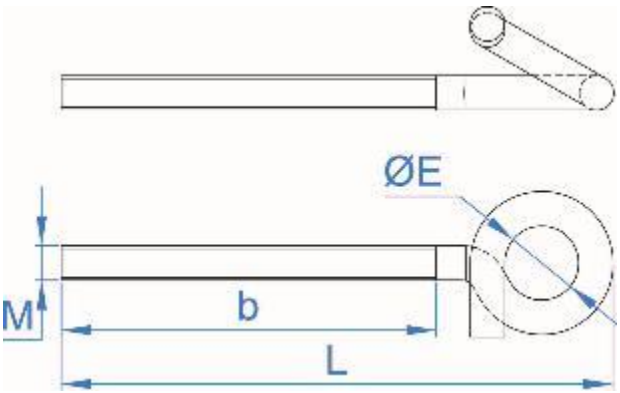
Properties

Steel	Zinc-plated coating	Metric Thread

Installation data

CODE		GESPM08ZE	GESPM10ZE
M: Metric	[mm]	8	10
b: Thread length	[mm]	65	78
ØE: Inside diameter	[mm]	22	22
L: total length	[mm]	115	135
$N_{Rk,s}$: Characteristic steel resistance	[kN]	1,5	3,0
$\gamma_{M,s}$: Safety factor	[--]	1,40	1,40
$N_{Rd,s}$: Design steel resistance	[kN]	1,07	2,14

DRAWING



* In case of using it in combination with an anchor, check its technical data sheet.