

GBE-100A-R to RXE-8000: The important facts



Type	GBE-100A-R ¹	GBE-500A	GBE-500A-R ¹	GBE-1000A	GBE-1000A-R ¹	GBE-2000A	GBE-3000A	RXE-5000	RXE-8000
Energy class* (BAFU/ETA)	-/0 (100 kJ)	-/2 (500 kJ)	-/2 (500 kJ)	-/3 (1000 kJ)	-/3 (1000 kJ)	-/5 (2000 kJ)	-/6 (3000 kJ)	9/8 (5000 kJ)	-/8 (8000 kJ)
ETA approval/assessment no.**	ETA-11/0459	ETA-09/0085	ETA-11/0034	ETA-09/0262	WSL ²	ETA-09/0369	ETA-10/0084	ETA-11/0305	ETA-12/0213
CE number	1301-DPD-0756	1301-CPD-0572	1301-CPD-0695	1301-CPR-0573	–	1301-CPD-0622	1301-CPD-0630	1301-CPD-0914	1301-CPD-0915
SPIDER [®] spiral rope net	–	–	–	–	–	S4-130	S4-130	–	–
Strand ringnet diameter Ø	–	–	–	–	–	8.6 mm	8.6 mm	–	–
Mesh type	TECCO [®] G80/4	TECCO [®] G80/4	TECCO [®] G80/4	TECCO [®] G80/4	TECCO [®] G80/4	–	TECCO [®] G80/4	ROCCO [®] 16/3/350	ROCCO [®] 19/3/300
Wire diameter	4 mm	4 mm	4 mm	4 mm	4 mm	–	4 mm	3 mm	3 mm
Mesh ring diameter	80 mm	80 mm	80 mm	80 mm	80 mm	130 mm	80/130 mm	350 or 300 mm	300 mm
Post type	flanged profile	HEA 120	HEA 140	HEA 120	HEA 180	HEA 160	HEA 200	HEA 220	RRW 400
Distance between posts	6–12 m	6–12 m	6–12 m	6–12 m	6–12 m	8–12 m	8–12 m	8–12 m	8–12 m
Rope diameter min.	12 mm	14 mm	14 mm	14 mm	14 mm	16 mm	20 mm	20 mm	22 mm
Rope diameter max.	14 mm	18 mm	18 mm	20 mm	20 mm	22 mm	22 mm Geobinex	22 mm	22 mm Geobinex
No. of brake elements in support rope per approx 80-100 m barrier length	–	4 x U-150	4 x U-150	4 x U-300	4 x U-300	4 x U-300-R16	4 x U-300-R20	12 x U-300-R20	48 x various U breaks
Barrier height min./max.	2 m/4 m	2 m/5 m	2 m/4 m	3 m/5 m	3 m/5 m	3 m/5 m	4 m/6 m	5 m/7 m	6 m/9 m
With ETAG 027 approval	2–2.5 m	3–3.5 m	3–3.5 m	4–5 m	4–5 m	4–5 m	5–6 m	6–7 m	7–8 m
residual useful height*	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)

*according to ETAG 027

**see www.eota.eu > valid ETAs > criteria: ETA number

¹ without retaining ropes

² WSL test according ETAG 027

The right to make technical modifications is reserved.

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GBE-100A-R to GBE-3000A: The important facts



Type	GBE-100A-R ¹	GBE-500A	GBE-500A-R ¹	GBE-1000A	GBE-1000A-R ¹	GBE-2000A	GBE-3000A
Energy class* (ETA)	0 (100 kJ)	2 (500 kJ)	2 (500 kJ)	3 (1000 kJ)	3 (1000 kJ)	5 (2000 kJ)	6 (3000 kJ)
ETA approval/assessment no.**	ETA-11/0459	ETA-09/0085	ETA-11/0034	ETA-09/0262	WSL ²	ETA-09/0369	ETA-10/0084
CE number	1301-DPD-0756	1301-CPD-0572	1301-CPD-0695	1301-CPR-0573	–	1301-CPD-0622	1301-CPD-0630
SPIDER® spiral rope net	–	–	–	–	–	S4-130	S4-130
Strand ringnet diameter Ø	–	–	–	–	–	8.6 mm	8.6 mm
Mesh type	TECCO® G80/4	TECCO® G80/4	TECCO® G80/4	TECCO® G80/4	TECCO® G80/4	–	TECCO® G80/4
Wire diameter	4 mm	4 mm	4 mm	4 mm	4 mm	–	4 mm
Mesh ring diameter	80 mm	80 mm	80 mm	80 mm	80 mm	130 mm	80/130 mm
Post type	flanged profile	HEA 120	HEA 140	HEA 120	HEA 180	HEA 160	HEA 200
Distance between posts	6–12 m	6–12 m	6–12 m	6–12 m	6–12 m	8–12 m	8–12 m
Rope diameter min.	12 mm	14 mm	14 mm	14 mm	14 mm	16 mm	20 mm
Rope diameter max.	14 mm	18 mm	18 mm	20 mm	20 mm	22 mm	22 mm Geobinex
No. of brake elements in support rope per approx 80-100 m barrier length	–	4 x U-150	4 x U-150	4 x U-300	4 x U-300	4 x U-300-R16	4 x U-300-R20
Barrier height min./max.	2 m/4 m	2 m/5 m	2 m/4 m	3 m/5 m	3 m/5 m	3 m/5 m	4 m/6 m
With ETAG 027 approval	2–2.5 m	3–3.5 m	3–3.5 m	4–5 m	4–5 m	4–5 m	5–6 m
residual useful height*	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)	>50% (Cat. A)

*according to ETAG 027 **see www.eota.eu > valid ETAs > criteria: ETA number ¹ without retaining ropes ² WSL test according ETAG 027 The right to make technical modifications is reserved.