

Barrier systems with energy absorption capacity from 100 kJ to 5000 kJ

Type	TXI-010	RXI-025	RXI-050	RXI-100	RXI-200	RX-300	RXI-500
Energy class*	1 (100 kJ)	2 (250 kJ)	3 (500 kJ)	5 (1000 kJ)	7 (2000 kJ)	8 (3000 kJ)	9 (5000 kJ)
Ring net type	TECCO® G80-4	ROCCO® 7/3/350	ROCCO® 7/3/350	ROCCO® 12/3/350	ROCCO® 16/3/350	ROCCO® 16/3/300	ROCCO® 19/3/300
Wire Ø	4 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm
Ring Ø	80 mm	350 mm	350 mm	350 mm	350 mm	300 mm	300 mm
Post type min.	HEB 140	HEB 100	HEB 120	HEB 140	HEB 160	HEB 200	HEB 240
Post type max.	HEB 160	HEB 140	HEB 140	HEB 200	HEB 220	HEB 240	HEB 300
Distance between posts	6 - 12 m	6 - 12 m	6 - 12 m	6 - 12 m	8 - 12 m	8 - 12 m	8 - 12 m
Rope diameter min.	12 mm	12 mm	14 mm	18 mm	22 mm	22 mm	22 mm
Rope diameter max.	14 mm	18 mm	20 mm	22 mm	22 mm	22 mm	22 mm
per 60 meters structure length:							
Number of brake rings in support rope	4	8	8	16	32	100	64
Number of brake rings in retaining rope	--	0	0	0	14	14	56
Structure height min.	2 m	2 m	2 m	3 m	4 m	5 m	5 m
Structure height max.*	3 m	4 m	4,5 m	6 m	7,5 m	7,5 m	9 m
max. displacement distance**	2,15 m	4,05 m	5,07 m	4,6 m	6,7 m	6,6 m	7,8 m
min. residual useful height impact section**	85 %	68 %	61 %	66 %	64 %	53 %	59 %
min. residual useful height adjacent section	100 %	100 %	100 %	100 %	100 %	80 %	100 %
max. lateral anchor load**	120 kN	140 kN	170 kN	230 kN	230 kN	300 kN	260 kN
max. mountain side anchor load**	--	50 kN	70 kN	140 kN	250 kN	330 kN	260 kN

* according to Swiss guideline ** according to type test

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