

## Barrier systems with energy absorption capacities from 100 kJ to 5000 kJ

Type	TXI-010	AXI-025	AXI-050	RXI-025	RXI-050	RXI-100	RXI-150	RXI-200	RXI-300	RXI-500
Energy class*	1 (100 kJ)	2 (250 kJ)	3 (500 kJ)	2 (250 kJ)	3 (500 kJ)	5 (1000 kJ)	6 (1500 kJ)	7 (2000 kJ)	8 (3000 kJ)	9 (5000 kJ)
Ring net type	TECCO® G80/4	ROCCO® 7/3/350 or 7/3/300	ROCCO® 7/3/350 or 7/3/300	ROCCO® 7/3/350 or 7/3/300	ROCCO® 7/3/350 or 7/3/300	ROCCO® 12/3/350 or 12/3/300	ROCCO® 12/3/350 or 12/3/300	ROCCO® 16/3/350 or 16/3/300	ROCCO® 16/3/350 or 16/3/300	ROCCO® 19/3/300
Wire Ø	4 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm
Ring Ø	80 mm	300 / 350 mm	300 / 350 mm	300 / 350 mm	300 / 350 mm	300 / 350 mm	300 / 350 mm	300 / 350 mm	300 / 350 mm	300 mm
Post type min.	HEB 140	HEB 160 S355	HEB 200 S355	HEB 100	HEB 120	HEB 140	HEB 140	HEB 160	HEB 160	HEB 240
Post type max.	HEB 160	HEB 180 S355	HEB 220 S355	HEB 140	HEB 140	HEB 200	HEB 200	HEB 220	HEB 240	HEB 300
Post spacing	6 - 12 m	6 - 12 m	6 - 12 m	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	12 mm	14 mm	18 mm	20 mm	22 mm	22 mm	22 mm
Rope diameter max.	14 mm	18 mm	20 mm	18 mm	20 mm	22 mm	22 mm	22 mm	22 mm	22 mm
Retaining ropes Per 60 meters structure length:	--	--	--	yes	yes	yes	yes	yes	yes	yes
Number of brake rings in support rope	4	8	8	8	8	16	16	32	42	64
Number of brake rings in retaining rope	--	--	--	0	0	0	0	14	56	56
Structure height min.	2 m	2 m	3 m	2 m	2 m	3 m	3 m	4 m	4 m	5 m
Structure height max.*	3 m	3 m	4.5 m	4 m	4.5 m	6 m	6 m	7.5 m	7.5 m	9 m
Braking distance**	2.15 m	4.05 m	5.07 m	4.05 m	5.07 m	4.6 m	6.3 m	6.7 m	8.78 m	7.8 m
min. residual useful height										
Impact section**	85%	68%	61%	68%	61%	66%	61%	64%	56%	59%
min. residual useful height										
Adjacent section	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
max. lateral anchor load**	120 kN	140 kN	170 kN	140 kN	170 kN	230 kN	230 kN	230 kN	280 kN	260 kN
max. mountain side anchor load**	--	--	--	50 kN	70 kN	140 - 220 kN	220 - 260 kN	250 - 280 kN	250 - 310 kN	280 - 310 kN

\* according to guidelines of the Swiss Federal Office for the Environment

\*\* result according to type test by WSL

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