

English translation of German original

Technical Data Sheet TI-A12 Safety Catcher KRP Load direction compressive (to mounting surface)

General information, particularly regarding purpose, function, choosing right type and control is provided in "Technical Information TI-A10". Furthermore important practical advices are given in the „Operating Manual BA-A12“.

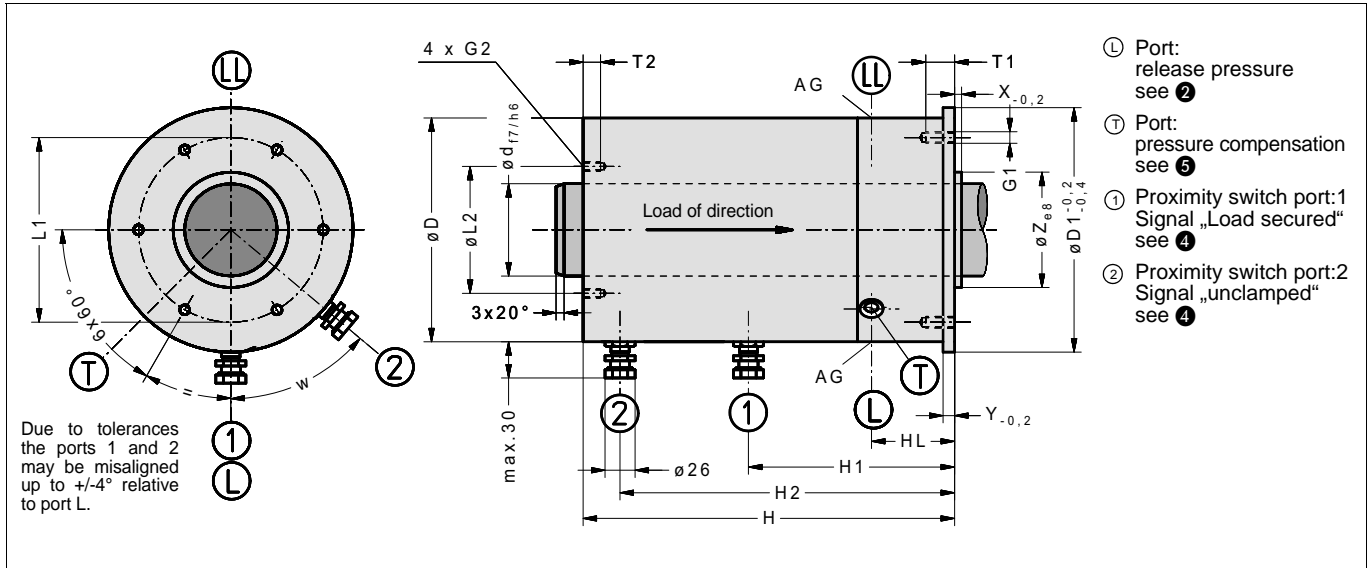


Fig. 1: Dimensions Safety Catcher KRP (CAD-Files download at www.sitema.com)

Typ	Ident.-Nr.	①																		③		
		d	M	D	D1	H	Y	Z	X	L1	G1	T1	L2	G2	T2	V	AG	HL	H1	H2	w	Weight
		mm	kN	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ³		mm	mm	mm		kg
KRP 25	KR 025 31	25	10	71	81	152	5	40	3	56	M6	15	64	M5	12	20	G1/8	36	84	130	0°	4
KRP 28	KR 028 31	28	15	82	92	169	5	45	3	65	M8	15	73	M5	12	30	G1/8	38,5	88	145	0°	5,5
KRP 40	KR 040 31	40	33	106	123	211	8	52	3	80	M8	20	56	M6	12	50	G1/4	47	141	125	50°	9
KRP 50	KR 050 31	50	52	125	142	264	8	65	3	110	M10	25	66	M6	12	70	G1/4	51	119	160	0°	16
KRP 56	KR 056 31	56	67	140	156	262	8	70	3	115	M10	25	75	M6	12	80	G1/4	52	166	122	0°	20
KRP 80	KR 080 31	80	133	194	212	322	10	100	3	160	M10	25	110	M8	16	150	G1/4	54	128	176	0°	58
KRP 100	KR 100 21	100	220	240	-	365	-	120	7	160	M12	18	135	M8	16	180	G3/8	22	285	235	30°	88

bold types = recommended standard, on stock

Subject to modification without prior notice

- ① M is the admissible force the mass to be secured exerts on the clamping device. The holding (braking) force for dry running or mineral-oil wetted shafts is not less than 2 x M, but will not exceed 3,5 x M.
- ② Minimum operating pressure is 4 bar. In case a spring base is installed, for releasing without lifting the required pressure is 6 bar, conf. "Technical Information TI-A20". Admissible working pressure is 10 bar.
- ③ Pneumatic operating volume.

- ④ Proximity switch holders are provided for standard proximity switches M12x1shielded and with a nominal switching distance of 2 mm, except KRP 25 and KRP 28: M8x1 with nominal distance 1,5 mm. For easier service, the proximity switch holders have a positive stop and are presetted when delivered from the factory.
- ⑤ Port T is used for pressure compensation (breathing). It is plugged with an air filter element. If, however, moisture or aggressive media are present, a hose instead of the filter must be installed to connect the device with a clean atmosphere (e.g. hydraulic tank).