

English translation of German original

Technical Data Sheet TI-A11

Safety Catcher KR 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-A11“.

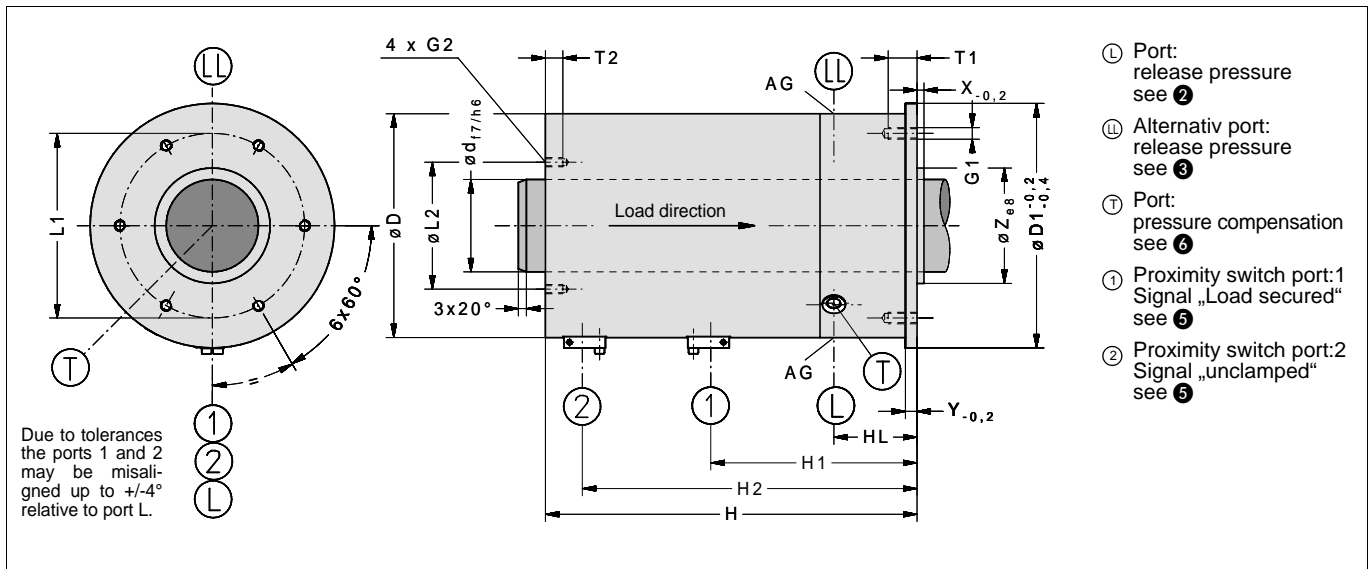


Fig. 1: Dimensions Safety Catcher KR (CAD-Files download at www.sitema.com)

Type	Ident.-No.	d	M	D	D1	H	Y	Z	X	L1	G1	T1	L2	G2	T2	V	AG	HL	H1	H2	Weight
		mm	kN	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	cm ³	mm	mm	mm	mm	kg
KR 25	KR 025 10	25	10	71	81	152	5	40	3	56	M6	15	64	M5	12	3	G1/4	48	84	130	4
KR 28	SK 028 007	28	15	82	92	169	5	45	3	65	M8	15	73	M5	12	4	G1/4	50	88	145	6
KR 32	SK 032 022	32	21	87	98	189	6	50	3	70	M8	15	78	M5	12	5	G1/4	50	88	165	7
KR 36	SK 036 023	36	33	106	123	211	8	52	3	80	M8	25	56	M6	12	5	G1/4	62	141	186	13
KR 40	KR 040 10	40	33	106	123	211	8	52	3	80	M8	20	56	M6	12	5	G1/4	62	141	186	13
KR 45	SK 045 058	45	40	120	138,8	230	8	60	3	100	M10	25	-	-	9	G1/4	64	114	204	18	
KR 50	SK 050 061	50	52	125	142	264	8	65	3	110	M10	25	-	-	10	G1/4	64	119	235	24	
KR 56	KR 056 10	56	67	140	156	262	8	70	3	115	M10	25	75	M6	12	11	G1/4	72	187	235	24
KR 63	SK 063 014	63	100	160	177	285	10	80	5	140	M10	25	85	M6	13	12	G1/4	66	251	125	38
KR 70	KR 070 10	70	107	172	188	302	10	90	3	140	M10	25	100	M8	16	15	G1/4	73	129,	270	45
KR 80	KR 080 10	80	133	194	211,8	322	10	100	3	160	M10	25	110	M8	16	16	G1/4	72	128	290	62

bold types = recommended standard

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 40 bar. In case a spring base is installed, for releasing without lifting the required pressure is 60 bar, conf. „Technical Information TI-A10“. Admissible working pressure is 250 bar.
- ③ As supplied port LL is plugged by a plug screw. It may be used alternatively to port L and is useful for air-bleeding. It is generally recommended to install the Auto-Bleeder as described in the „Technical Information TI-Z10“ at port LL (or L respectively).

- ④ Hydraulic operating volume.
 - ⑤ Proximity switch holders are provided for standard proximity switches M12x1 shielded and with a nominal switching distance of 2 mm.
 - ⑥ 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).

Technical Data Sheet TI-A11

Safety Catcher K Load direction compressive (to mounting surface)

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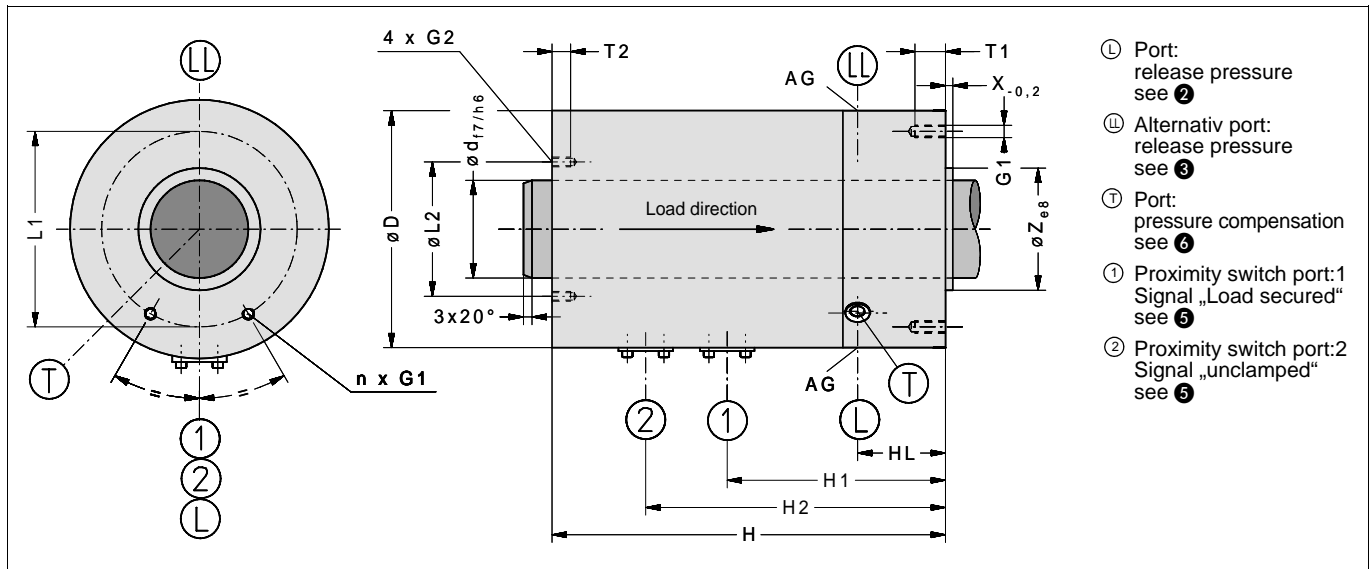


Fig. 2: Dimensions Safety Catcher K (CAD-Files download at www.sitema.com)

Type	Ident.-Nr.	①										④								
		d	M	D	H	Z	X	L1	n	G1	T1	L2	G2	T2	V	AG	HL	H1	H2	Weight
		mm	kN	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	cm ³	mm	mm	mm	mm	kg
K 90	SK 090 049	90	160	218	284	110	3	170	6	M12	25	-	-	-	18	G1/4	20	138	188	70
K 100	K 100 20	100	220	240	310	120	3	160	6	M12	25	135	M8	16	18	G3/8	22	180	230	90
K 110	SK 110 027	110	270	240	335	130	4	200	4	M16	30	-	-	-	20	G3/8	24	142	192	94
K 125	K 125 10	125	330	270	356	150	4	220	4	M16	30	160	M8	16	24	G3/8	22	158	208	127
K 140	K 140 10	140	450	320	390	170	5	250	4	M16	30	180	M8	16	24	G3/8	22	182	232,5	198
K 160	SK 160 022	160	530	360	435	190	5	300	4	M16	30	210	M8	16	26	G3/8	30	135	185	280
K 180	SK 180 008	180	750	410	460	220	6	330	4	M20	40	226	M8	16	26	G3/8	19	285	335	382
K 200	SK 200 009	200	850	448	533	240	6	340	8	M20	40	252	M8	16	26	G3/8	19	279	334	525

bold types = recommended standard

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② Minimum operating pressure is 40 bar. In case a spring base is installed, for releasing without lifting the required pressure is 60 bar, conf. „Technical Information TI-A10“. Admissible working pressure is 250 bar.

③ As supplied port LL is plugged by a plug screw. It may be used alternatively to port L and is useful for air-bleeding. It is generally recommended to install the Auto-Bleeder as described in the „Technical Information TI-Z10“ at port LL (or L respectively).

④ Hydraulic operating volume.

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⑥ 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).