

English translation of German original

Technical Data Sheet TI-A13

Safety Catcher KR/T Load direction tensile (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“.

To hold the tensile forces these KR/T types have a strong shoulder near the upper end, which is designed to transmit the force to a collar flange.

Therefore it is possible to attach the safety catcher to the machine frame in a **fixed** or **floating** manor according to the explanation given in „Technical Information TI-A10“, §14 „How to attach“.

Standard versions of those flanges are listed „Technical Information TI-A30“. Such flange is not part of the Safety Catcher KR/T, but available as an option.

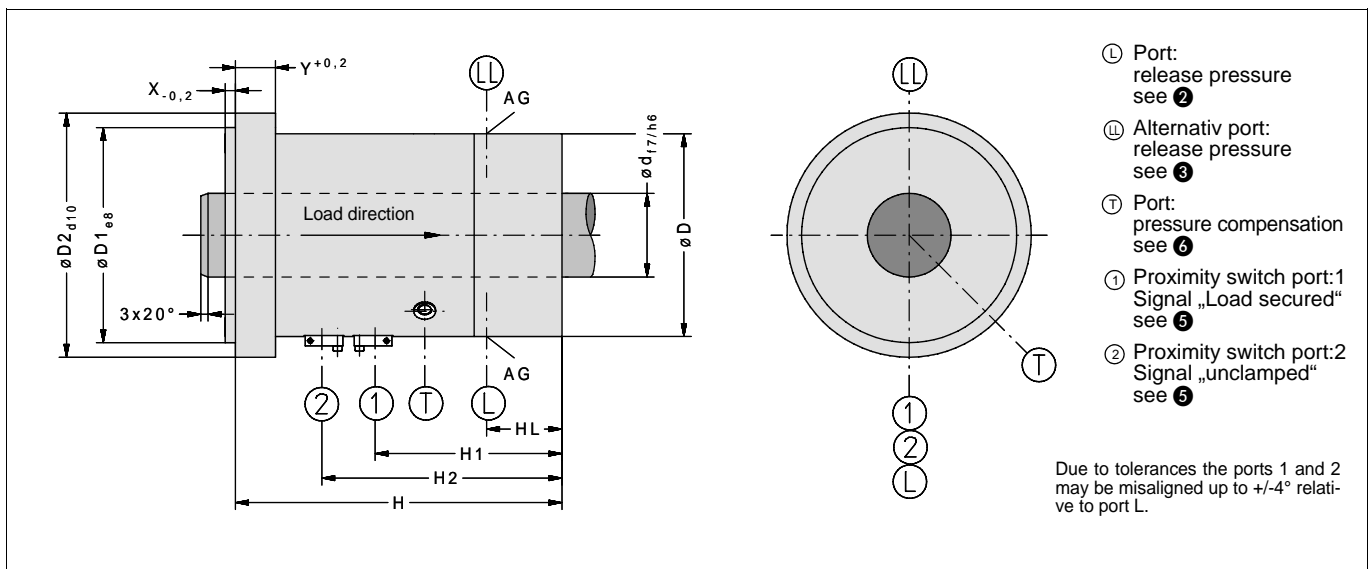


Fig. 1: Dimensions Safety Catcher KR/T (CAD-Files download at www.sitema.com)

Type	Ident.-No.	d	M	H	D1	D2	D	X	Y	V	AG	HL	H1	H2	Weight
		mm	kN	mm	mm	mm	mm	mm	mm	cm ³		mm	mm	mm	kg
KR/T 25	KR 025 15	25	10	155	70	88	71	3	13	3	G1/4	51	87	105	4
KR/T 40	KR 040 15	40	33	214	106	125	106	4	20	5	G1/4	63	109	128	13
KR/T 56	KR 056 15	56	67	265	140	164	140	5	25	11	G1/4	69	125	168	27
KR/T 80	KR 080 15	80	133	325	200	225	194	6	34	16	G1/4	73	131	179	65

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 $2 \times M$, but will not exceed $3,5 \times M$.

② Minimum operating pressure is 40 bar. 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).

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The attachment flange of type K/T is supplied with boreholes to fix the device with bolts firmly to the frame.

As explained in „*Technical Information TI-A10*“, it must be ensured that the retaining rod has sufficient clearance at its attachment so that no transverse forces can be induced to the clamping device due to tolerances in dimensions or angular alignment..

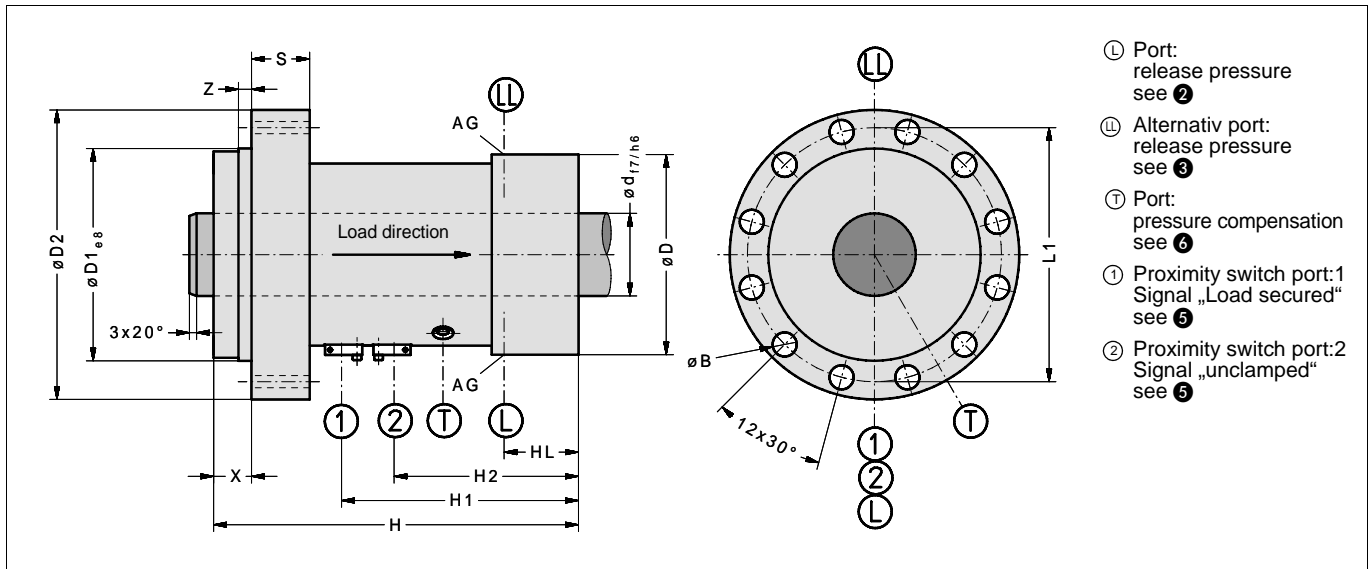


Fig. 2: Dimensions Safety Catcher K/T (CAD-Files download at www.sitema.com)

Type	Ident.-No.	d	M	H	D1	D2	D	X	Z	S	B	L1	V	AG	HL	H1	H2	Weight
		mm	kN	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ³		mm	mm	mm	kg
K/T 100	K 100 25	100	220	310	245	335	255	40	17	60	26	290	18	G3/8	22	171	119	114
K/T 125	K 125 15	125	330	360	275	380	290	60	20	60	26	340	24	G3/8	30	212	162	165
K/T 140	K 140 15	140	450	400	340	460	350	50	20	80	33	405	24	G3/8	28	148	98	289
K/T 160	SK 160 031	160	800	515	370	480	380	245	40	85	33	425	48	G3/8	25	148	98	425
K/T 180	SK 180 015	180	750	499	380	550	415	-	20	90	39	480	48	G3/8	24	300	245	462
K/T 200	SK 200 014	200	850	539	440	590	455	50	15	100	39	525	48	G3/8	22	340	285	619
K/T 220	SK 220 010	220	1100	578	470	630	475	50	15	110	45	550	54	G3/8	23	253	203	729

bold types = recommended standard

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