

Technical Data Sheet TI-A14

Safety Catchers KRP/T series (with DGUV Test certificate)

Tensile load direction (to mounting surface)

For a general functional description with information about choosing the right type, the attachment, and control of a SITEMA Safety Catcher, see the Technical Information TI-A10. For information about SITEMA mounting flanges, see the Technical Data Sheet TI-A30.

Also observe the Operating Manual BA-A12.

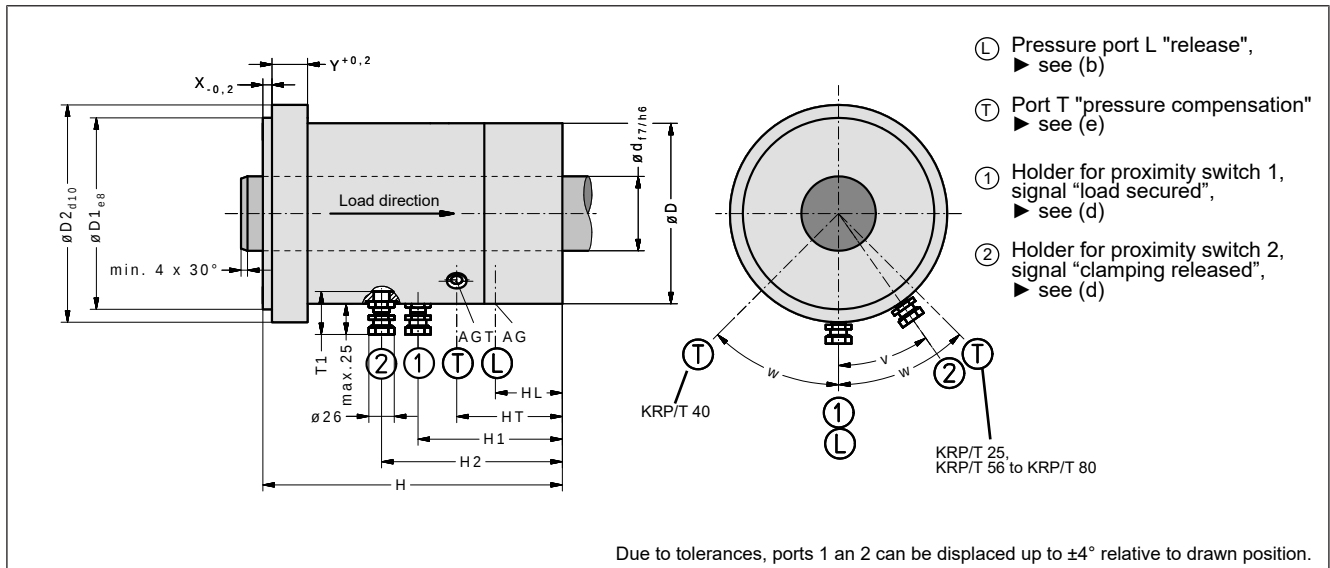


Fig. 1: Dimensions of the KRP/T Safety Catcher (download CAD files from www.sitema.com)

Type	ID no.	d	M	H	D1	D2	D	X	Y	V	T1	AG	AGT	HL	HT	H1	H2	v	w	Wt.
	(order no.)	mm	kN	mm	mm	mm	mm	mm	mm	cm ³	mm			mm	mm	mm	mm			kg
KRP/T 25	KR 025 36	25	10	155	70	88	71	3	13	20	32	G1/8	G1/8	39	87	87	105	23.5°	105°	4.5
KRP/T 40	KR 040 36	40	33	214	106	125	106	4	20	50	34	G1/4	G1/8	50	105	109	128	35°	75°	11
KRP/T 56	KR 056 36	56	67	265	140	164	140	5	25	80	45	G1/4	G1/8	55	125	125	168	0°	30°	26
KRP/T 80	KR 080 36	80	133	325	200	225	194	6	34	150	45	G1/4	G1/4	57	131	131	179	0°	30°	61

Subject to modification without prior notice

(a) M is the admissible load the mass to be secured exerts on the Safety Catcher. The holding (braking) force with a dry or hydraulic-oil wetted rod is at least 2 x M but will not exceed 3.5 x M.

(b) The necessary pressure to keep the clamping released is 4 bar (if a spring base is installed, the required pressure for releasing without lifting is 6 bar, see the *Technical Data Sheet TI-A21*). The permissible operating pressure is 10 bar.

(c) Pneumatic operating volume

(d) Proximity switch holders are mounted for standard inductive proximity switches: M12 x 1, nominal switching distance 2 mm, flush mountable, NO (normally open); exception: KRP/T 25: M8 x 1 with 1.5 mm nominal switching distance).

The dimension T1 indicates how deep the proximity switch immerses into the housing measured from the holder's top. For easier service, the proximity switch holders have a depth stop. If you order a SITEMA flange with the Safety Catcher, the proximity switch holders will be mounted and pre-adjusted to the right depth. The switches only need to be inserted to the stop and then clamped. If the Safety Catcher is ordered without flange, the holders are included and must be adjusted to the correct depth after the installation of the flange. The proximity switches are not included in the standard scope of delivery but are available as accessories.

(e) Port T compensates internal volume changes during switching. The port is plugged with an air filter which, in a dry and clean factory environment, offers sufficient protection against dust etc. If, however, moisture or aggressive media are present, instead of the filter, an unpressurized hose must be installed to connect the KR Safety Catcher with a clean atmosphere (e.g. a clean, dry and unpressurized container).

(f) The surface of the housing parts is primed black, the mounting side is treated with corrosion protection wax.