

# Technical Data Sheet TI-A14 Safety Catchers series KRP/T (with DGUV approval)

Load direction tensile (to mounting surface)

General information, particularly regarding purpose, function, choosing the right type, attachment and control is provided in "Technical Information TI-A10".

SITEMA flanges, which are required for the attachment, are listed in "Technical Data Sheet TI-A30".

Further important practical advice is given in "Operating Manual BA-A12".

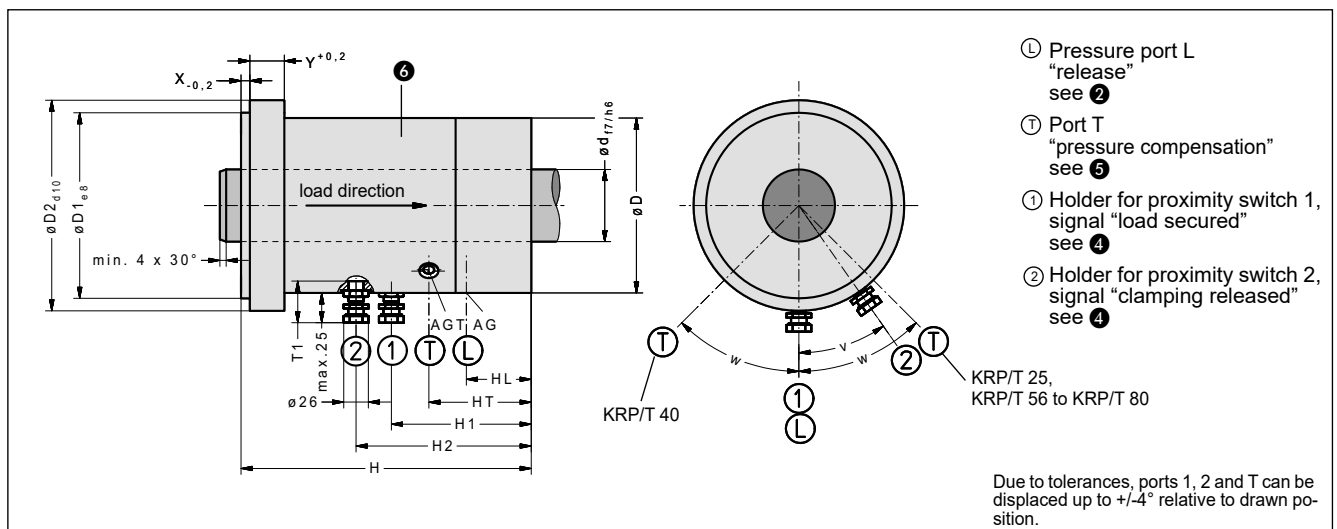


Fig. 1: Dimensions of Safety Catcher KRP/T (download CAD files from [www.sitema.com](http://www.sitema.com))

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 <sup>3</sup>	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	51	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°	60

Subject to modification without prior notice

1 M is the admissible load the mass to be secured exerts on the Safety Catcher. The holding (braking) force for dry or hydraulic-oil wetted rods is not less than 2 x M but will not exceed 3.5 x M.

2 The necessary pressure to keep the clamping released is 4 bar. In case a spring base is installed, the required pressure for releasing without lifting is 6 bar, see "Technical Data Sheet TI-A21". The admissible operating pressure is 10 bar.

3 Pneumatic operating volume

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

The dimension T1 indicates how deep the proximity switch immerses in the Safety Catcher KRP/T measured from the holder's top.

For easier service, the proximity switch holders have a depth stop.

If you order a suitable SITEMA flange to 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 delivered without flange, the holders will not be mounted and pre-adjusted because the flange needs to be mounted beforehand. After mounting the flange, the holders have to be mounted and readjusted to the right depth.

The proximity switches are not included in the standard scope of delivery but are available as accessories.

5 Internal volume changes during switching are compensated at port T. It 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, a pressure-less hose instead of the filter must be installed to connect the Safety Catcher KRP/T with clean atmosphere (e.g. a clean pressureless container).

6 The surface of the housing parts is primed black, the front sides are treated with corrosion protection wax.