

Technical Data Sheet TI-S12 Safety Lock KRGP

For detailed functional description refer to „Technical Information TI-S10“. Furthermore important practical advices are given in the „Operating Manual BA-S12“.

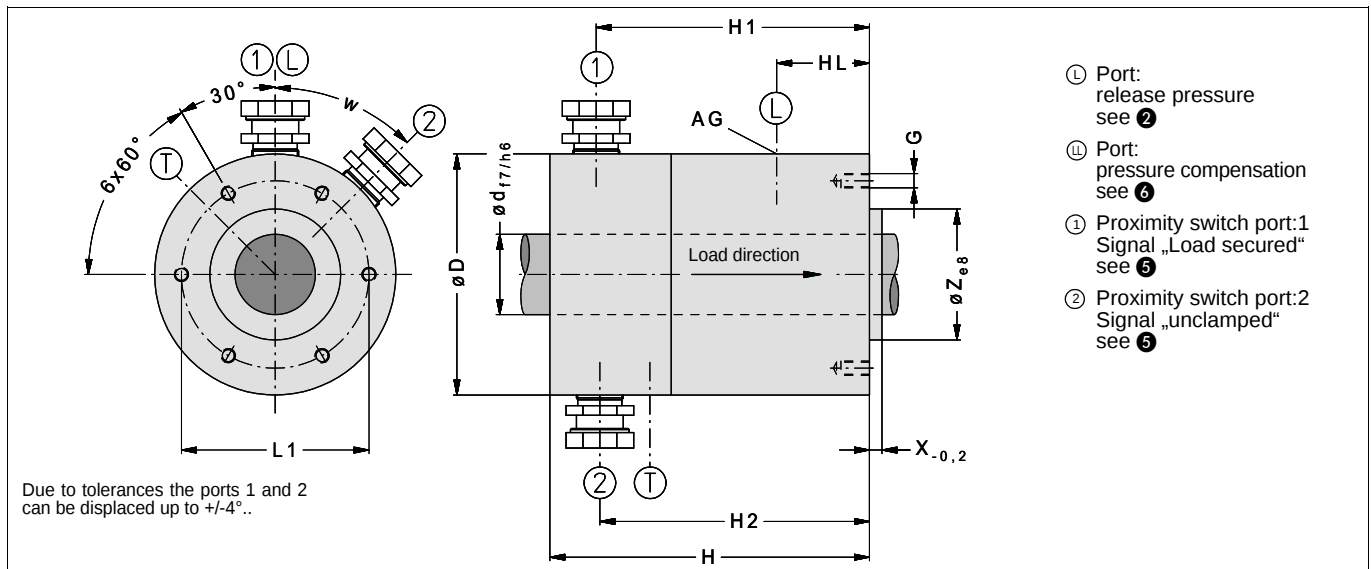


Fig. 1: Dimensions Safety Lock KRGP (CAD-Files download at www.sitema.com)

Type	Ident.-No.	d	M	p	F6	H	D	Z	X	w	L1	G	T1	AG	VL	HL	H1	H2	Weight
		mm	kN	bar	kN	mm	mm	mm	mm		mm	mm	mm		cm ³	mm	mm	mm	kg
KRGP 16	KRGP 016 20	16	5	3,5	-	109	82	35	5	50°	55	M6	15	G1/4	10	19	91	88	1,5
KRGP 22	KRGP 022 20	22	10	3,5	3,5	132	102	40	6	40°	60	M6	15	G1/4	15	22	110	115	3
KRGP 28	KRGP 028 20	28	20	3,5	11	166	155	50	6	40°	80	M8	20	G1/4	40	43	141	146	8

Subject to modification without prior notice

① M is the admissible force the mass to be secured exerts on the Safety Lock KRGP.

Against forces in load direction (see Fig. 1) the rod will be totally blocked, the higher the force the stronger the grip. Therefore forces exceeding 2xM may cause damages of the device.

It must be ensured that the dimensions and arrangement of Safety Lock KRGP in safety-relevant applications meet the requirements of the risk evaluation (EN 1050) and also comply with any further standards and regulations applying to the intended use. This is the duty of the system manufacturer and the user.

② p is the pressure required to keep released. The permissible working pressure is 10 bar.

③ Regarding safety it is an advantageous feature of the Safety Lock KRGP, that it normally will not release unless not only pressure is applied but also the load is supported by the lifting drive, thus automatically unintended releasing is prevented.

However, this is only true, if the the load exceeds a minimum limit which depends on the working air pressure. With for example 6 bar pressure the critical minimum load is equal to F6. Values for other pressure level will be given on request.

④ Pneumatic operating volume

⑤ Proximity switch holders are provided for standard proximity switches M12x1 shielded and with a nominal switching distance of 2 mm. For easier service, the proximity switch holders have a positive stop and are preset when delivered from the factory.

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 clean and dry atmosphere.