

English translation of German original

## Technical Data Sheet TI-B11 Safety Brake KSP

General information, particularly regarding purpose, function, choosing right type and control is provided in „Technical Information TI-B10“. Furthermore important practical advices are given in the „Operating Manual BA-B10“.

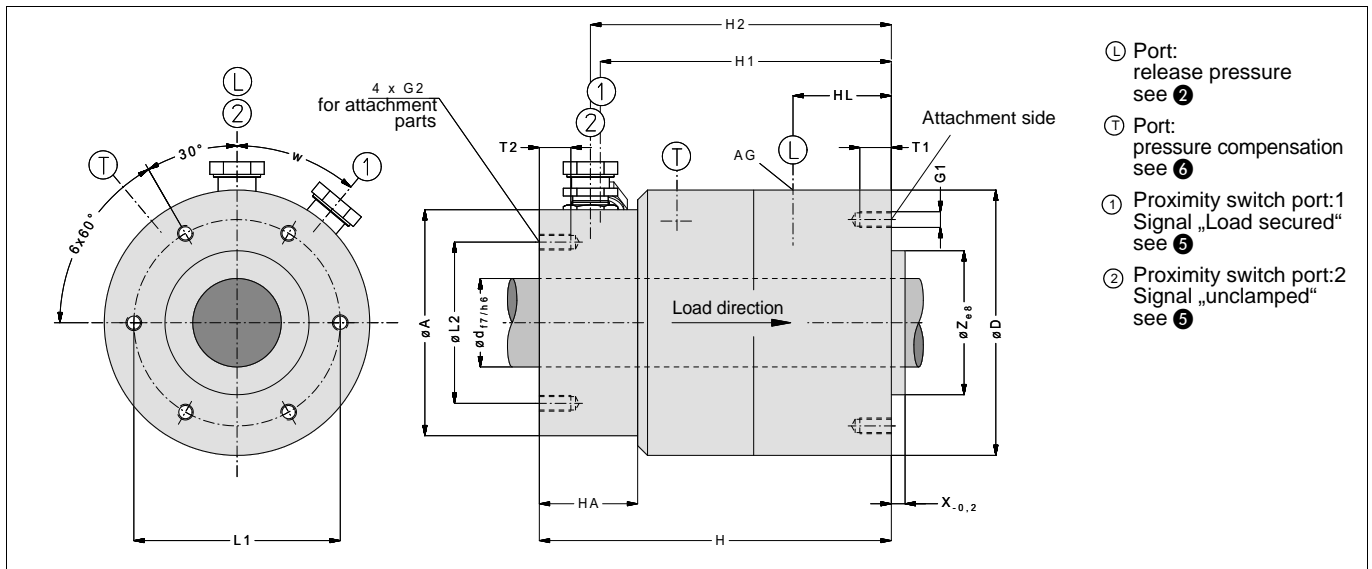


Fig. 1: Dimensions Safety Brake KSP ( CAD-Files download at [www.sitema.com](http://www.sitema.com) )

Type	Ident.-No.	① ② ③																		④					
		d	M	p	F6	H	D	Z	X	A	HA	w	L1	G1	T1	L2	G2	T2	AG	VL	HL	H1	H2	G	
		mm	kN	bar	kN	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm <sup>3</sup>	mm	mm	mm	mm	kg
KSP 16	KSP 016 01	16	2,5	3,5	-	114	96	35	5	78	36	50°	55	M6	15	65	M6	10	G¼	10	17	91	88	3	
KSP 22	KSP 022 01	22	5	3,5	3,5	137	120	40	6	104	37	40°	60	M6	15	80	M6	10	G¼	15	25	115	120	5	
KSP 22	KSP 022 02	22	10	3,5	3,5	137	120	40	6	104	37	40°	60	M6	15	80	M6	10	G¼	15	25	115	120	5	
KSP 25	KSP 025 01	25	15	3,5	6,5	142	140	45	6	114	37	40°	70	M8	20	90	M6	10	G¼	30	24	120,5	125,5	8	
KSP 28	KSP 028 02	28	20	3,5	11	173	184	50	6	118	40	30°	80	M8	20	90	M6	10	G¼	40	43	148	153	12	

Subject to modification without prior notice

① M is the admissible force the mass to be secured exerts on the clamping device. The minimum holding capacity (braking force) for dry-running or mineral-oil wetted shafts is at least 2 x M but does not exceed 3,5 x M.

② p is the pressure required for releasing. The permissible working pressure is 10 bar.

③ Regarding safety it is an advantageous feature of the Safety Brake KSP, 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 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.