

HYDRAULIC RELEASED SPRING APPLIED BRAKE (HOSPB Series)

Safety brake for hoisting equipment.

For dry operation, for higher brake power also with inlet for cooling oil.

- To secure holding position in drives controlled by hydraulic motors
- Encapsulated, almost maintenance-free execution
- As a safety brake for port facilities such as cranes, ship loading equipment and winches with corrosion-resistant surfaces.
- Manual release of brake's piston by means of screws possible
- With steel/sinter disc suited for dry as well as oil operation
- Vertical 'mounting, only when ordered with application guidelines.

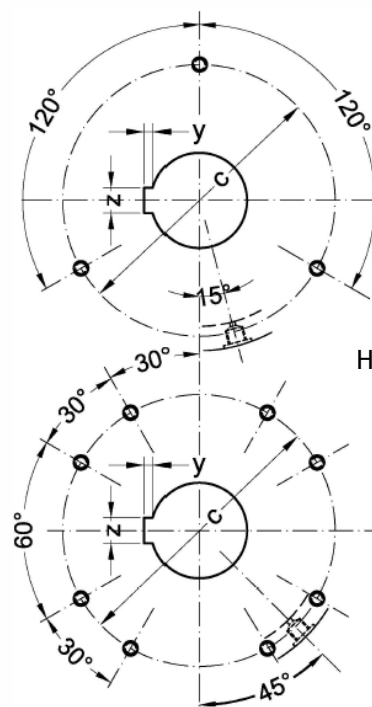
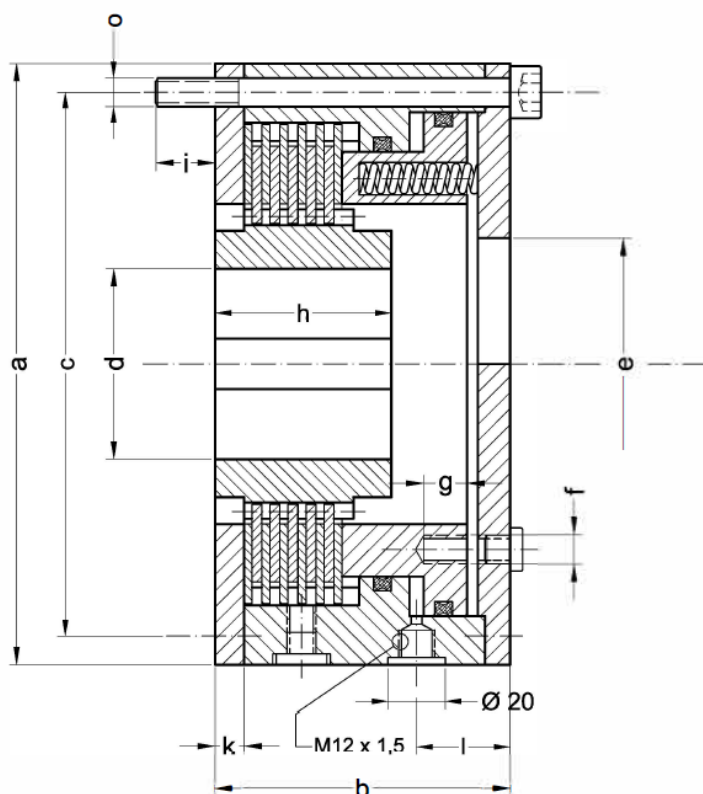
The brake is equipped with two in/outlets, for oil pressure supply and for bleeding and a further outlet for oil leakage control, or oil drainage in case an additional supply for cooling oil has been connected. In case of imposed security requirements, the listed torque values for oil operation also apply to operation under dry conditions.

Versions:

"G" – Enclosed model for enclosed gear installation

"O"- Open model, with bore size "e" for through shaft.





HOSPB-7

HOSPB-10 to

HOSPB-73

Data and Dimensions		HOSPB 7	HOSPB 10	HOSPB 13	HOSPB 18	HOSPB 25	HOSPB 33	HOSPB 53	HOSPB 73
Torque (Dry – 18 bar)	Nm	180	250	350	640	1000	1600	2600	4500
Torque (Oil – 18 bar)	Nm	120	170	210	400	650	1100	1700	3000
Torque (Dry - 30 bar)	Nm	260	360	500	1000	1400	2300	3800	6500
Torque (Oil – 30 Bar)	Nm	180	250	350	640	1000	1600	2600	4500
Idling Torque (Oil)	Nm	1.5	2	2.5	3	5	6	8	10
Friction Work	kJ	4	6	9	13	19	30	50	95
Thermal capacity (Dry)	W	90	100	125	160	200	260	375	500
Speed Max (Dry)	min ⁻¹	3500	3400	3300	3200	3000	2700	2400	2000
Stroke Vol	Cm ³	3.5/8.5	5.4/12	8.5/20	13/31	18/44	26/57	42/85	68/136
Inertia (10 ⁻³ kgm ²)		0.4	0.8	1.8	4.3	9	20	50	115
Mass	Kg	7	10	13	18	25	33	53	73
Øa	mm	120	135	155	180	205	245	290	345
B	mm	87	95	100	107	112	122	147	160
Øc	mm	100	115	135	160	185	220	265	315
Ø d max H7	mm	30	40	45	55	65	90	110	140
Øe	mm	45	52	65	82	95	120	140	180
f	mm	M6	M6	M6	M6	M8	M10	M12	M12
g	mm	15	15	15	15	20	20	25	25
h	mm	44	45	52	55	60	68	90	95
i	mm	12	15	15	15	20	20	25	25
k	mm	8	8	9	9	10	11	13	15
l	mm	33	35	37	39	41	43	54	60
o	mm	M8	M8	M8	M10	M10	M12	M14	M16
Keyway DIN 6885 - 2	mm	8 x 3.3	12 x 3.3	14 x 3.8	16 x 4.3	18 x 4.4	25 x 5.4	28 x 6.4	36 x 8.4