

HIGH PERFORMANCE BRAKE - HPB

Compact modular braking system as 2 face and 4 face design with IP67 for offshore, marine and harbor applications.

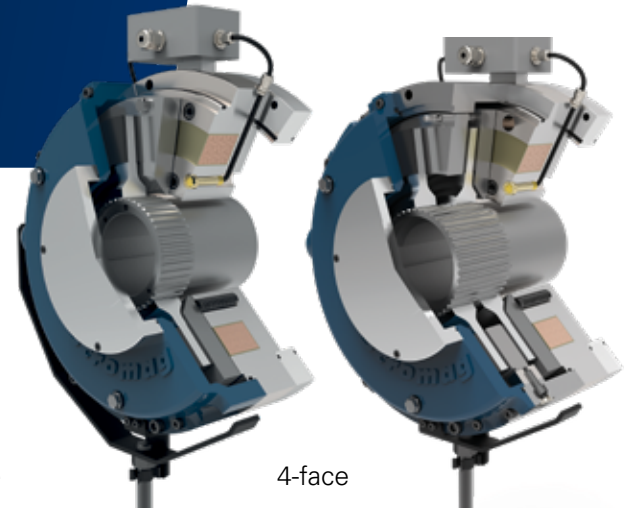
This special electromagnetic fail-safe brake combines highest performance on smallest space with best protection against environmental influences up to IP67. This working, holding and emergency stop brake makes your application safe!

This new design is based on the current technologies and calculation methods to meet all current requirements. The modular system offers different variations.

The high protection of each part allows a long lifetime in harsh environments, like offshore or marine. Usable for nearly all kinds of winches, hoists and industrial applications.

APPLICATIONS

- Flood and seawater proof and high protection against harsh environments, especially for harbor, offshore and marine applications!
- All kinds of winches, hoists and cranes
- Industrial and other applications with high level requirements



2-face

4-face

BENEFITS INCLUDE

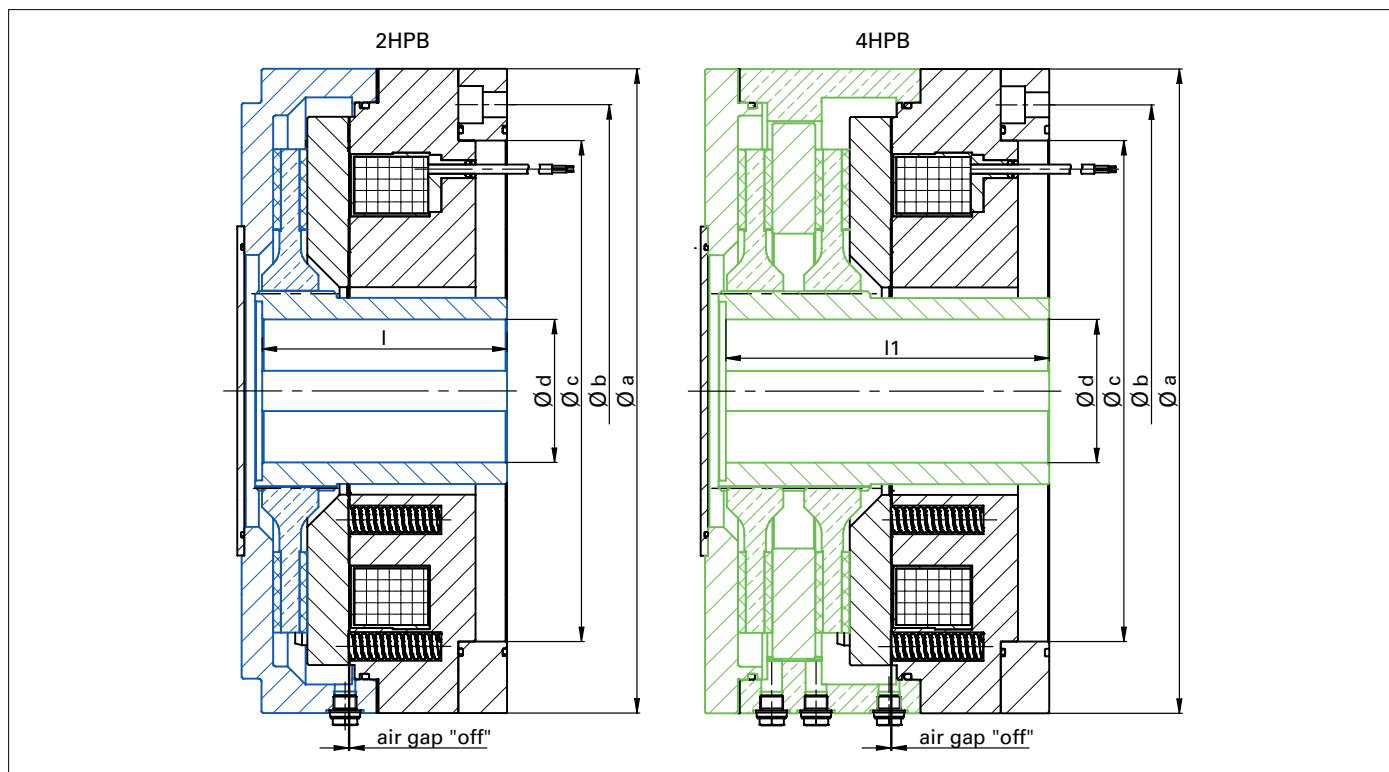
- Comprehensive brake torque range from 80 – 6400 Nm
- Optimized design for maximum performance in smallest space
- Designed for high-speed applications
- Protection class up to IP67
- Type approvals available
- Best heat dissipation for best dynamic performance
- Wide range of options like tachometer mounting, terminal box, anti-condensation heater, proximity switch to monitor switching states and/or wear indication
- Rectifiers and quick switching units optimize switching comfort



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Brake size	2HPB / 4HPB		20	25	27	30	35	40	45	55
min. outer diameter	a	mm	200	250	275 (300)	300	350	400	450	550
nom. torque	2HPB-...S	Nm	80	130	200	320	500	800	1300	2000
	2HPB-...H		100	160	250	400	630	1000	1600	2500
	2HPB-...V		130	200	320	500	800	1300	2000	3200
	4HPB-...S		160	260	400	640	1000	1600	2600	4000
	4HPB-...H		200	320	500	800	1300	2000	3200	5000
	4HPB-...V		260	400	640	1000	1600	2600	4000	6400
max. speed		1/min	6500	6500	6500	6300	5400	4500	4100	3250
air gap "off"	min / max	mm	0,5/1,1	0,6/1,2	0,6/1,3	0,6/1,4	0,6/1,5	0,7/1,7	0,8/2,1	1,0/2,5
pitch circle diameter	b	mm	165	215	265	265	300	350	400	500
centering	c	mm	130	180	230	230	250	300	350	450
max. bore diameter	d	mm	38	48	55	55	60	95	100	120
hub length 2HPB	l	mm	96	110	117	117	142	142	171	171
hub length 4HPB	l1	mm	118	138	150	150	183	187	226	230

- Keyway according to DIN 6885/1
- Standard flange according to DIN EN 50347
- Subject to technical change



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