

KMS

MULTI-DISC CLUTCH

Hydraulically operated, spring-applied multi-disc clutch for wet operation, especially designed for the marine market. Additional sizes available upon request.

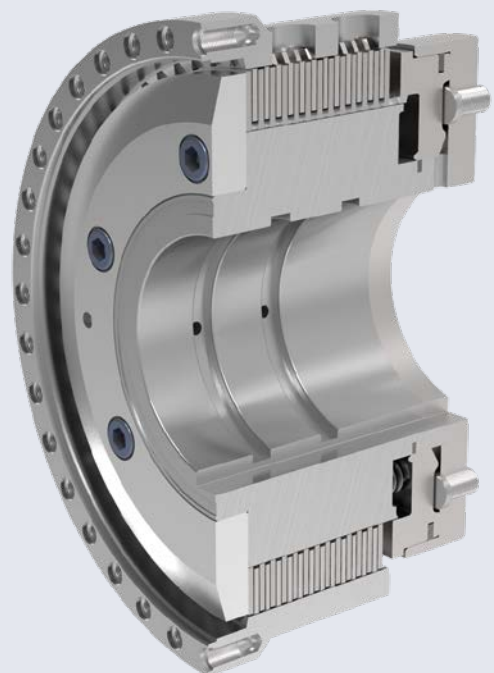
Max. speed	2500 – 650 rpm
Diameter	245 – 1050 mm
Dynamic torque	6000 – 500000 Nm

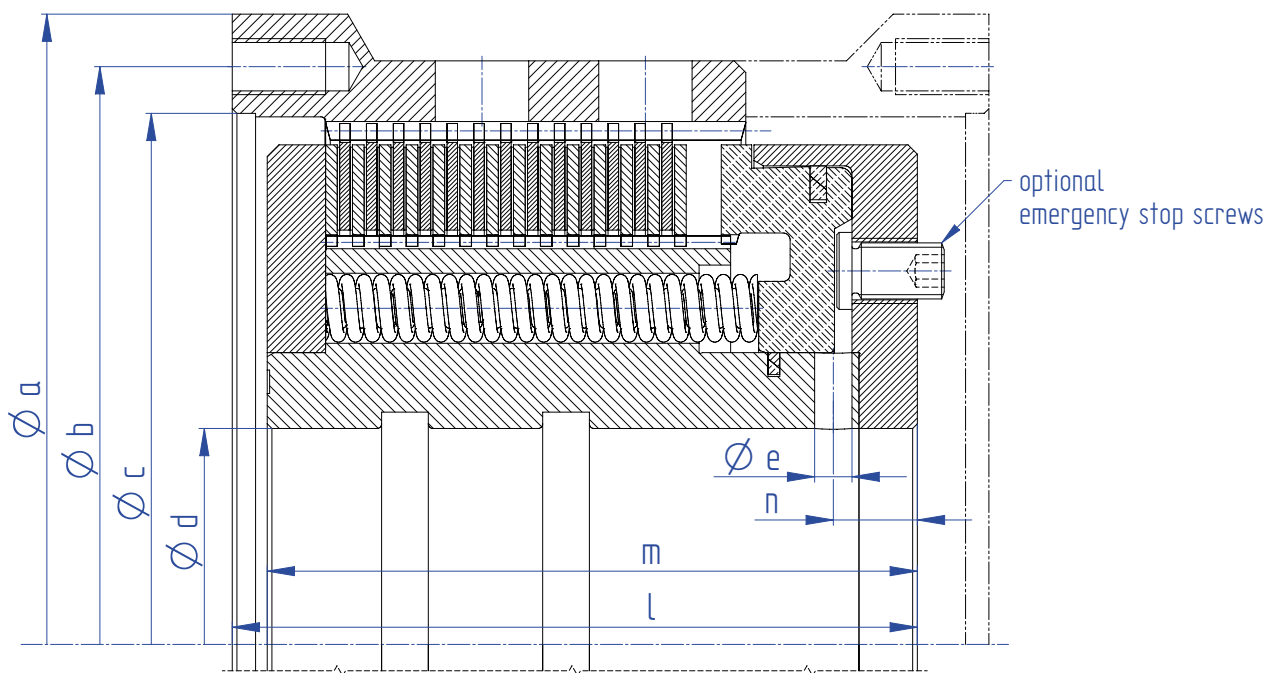
FEATURES

- For high torques
- Excellent torque to weight ratio
- Low mass moment of inertia
- High thermal load capacity
- Switching heat dissipated by internal oil cooling
- Long service life of the discs
- Low maintenance, any disc wear automatically compensated by piston travel
- Remote control capability
- Continuous increase of oil pressure, enabling shockless switching
- Mechanical emergency operation device in case of hydraulic oil supply failure
- Drag torque reduced by usage of wave springs

MARKETS

- Marine





Size			600	800	1120	1600	2250	3200	4500	6300	9000	12500	18000	25000
DynamicTorque	Nm		6000	8000	11200	16000	22500	32000	45000	63000	90000	125000	180000	315000
Excess working pressure	bar	25												
Rotational speed	rpm	max	2500	2500	2500	2200	2000	1600	1350	1300	1150	1050	950	700
Cooling oil quantity	l/min	min	4	7	7	8	10	13	15	19	24	30	43	62
		max	12	24	22	28	30	44	50	63	78	97	142	200
Weight	kg		30	40	53	72	100	140	190	290	350	500	800	1150
Diameter	mm	a	245	270	300	330	365	420	455	525	560	620	775	890
		b	225	250	280	310	340	395	430	490	530	585	720	835
		c	210	235	260	290	320	370	405	455	500	550	665	780
		d	80	90	100	110	125	150	165	190	210	235	285	350
		e	8	8	8	8	12	12	14	16	16	18	20	22
Lengths	mm	l	145	155	165	180	195	220	245	275	300	335	370	410
		m	135	145	155	170	185	210	235	265	295	325	360	400
		n	17	19	19	23	25	27	32	36	42	46	56	55

1) Permissible operating pressure range 25 - 29 bar.

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