

KMS THC

MULTI-DISC CLUTCH

The KMSTHC is designed for thruster applications, positioned between the engine and gearbox, where a clutch with a reliable safety torque transfer is required.

Emergency switching device for coming-home, radial arrangement with bolts to allow manual engagement/disengagement of the clutch in case of any failure of pressure supply.

The KMSTHC series has been designed for use in Thruster-Propulsion-Systems all over the world. Various sizes are available.

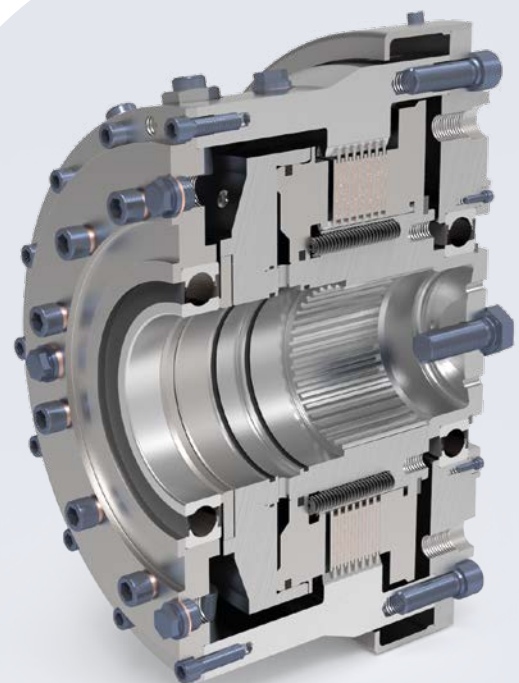
Max. speed	2100 – 1900 rpm
Diameter	230 – 500 mm
Dynamic torque	1400 – 22500 Nm

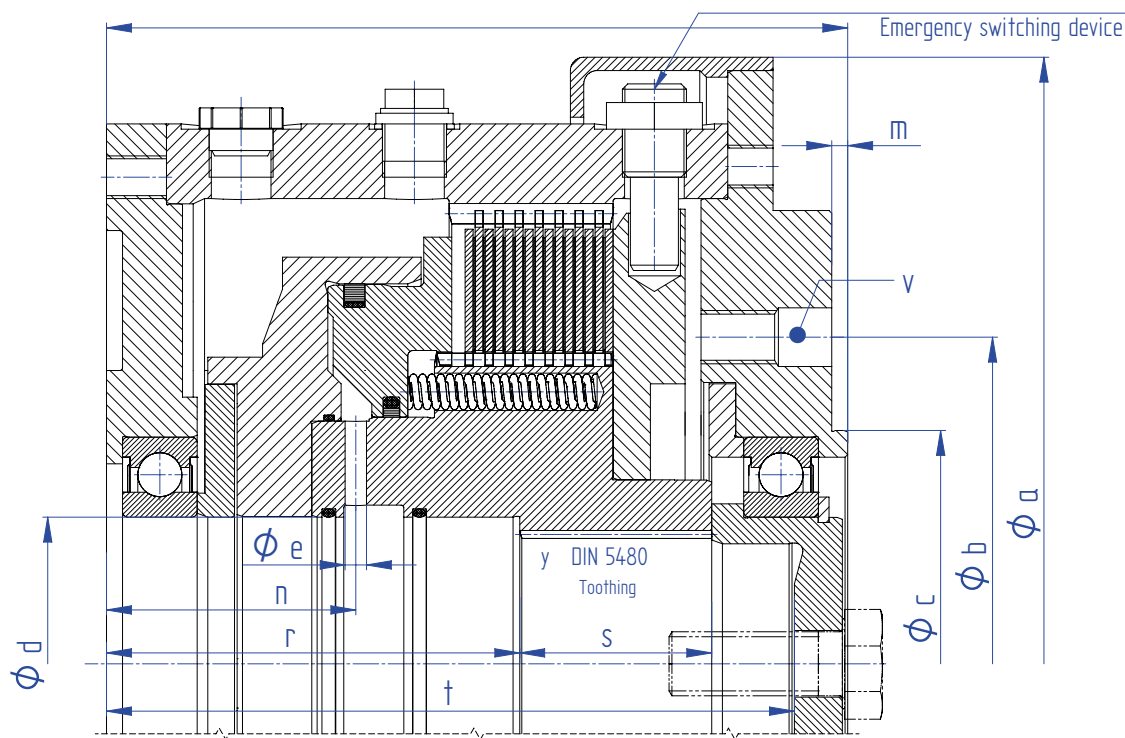
FEATURES

- No internal oil cooling necessary
- Clutch housing on bearings for applications outside of the gears
- Clutch in protective closed housing
- Direct connection e.g. of a PTO
- 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

MARKETS

- Marine





Size			140	240	340	690	990	1400	2250
DynamicTorque	Nm		1400	2400	3700	6900	9900	14000	22500
Excess working pressure	bar	27							
Rotational speed	rpm	max	2100	1900	1900	1900	1900	1900	1900
Weight	kg		28	39	48	85	111	184	252
Toothing	DIN 5480	y	N 40×2×18	N 50×2×24	N 65×3×20	N 80×3×25	N 90×3×28	N 100×3×32	N 130×3×42
Diameter	mm	a	230	260	270	330	370	455	500
		b	130	155.5	155.5	218	245	280	345
		c	90j6	110j6	110j6	140j6	175j6	175j6	250j6
		d	45 H7	55 H7	70 H7	85 H7	100 H7	110 H7	140 H7
		e	6	8	8	9	8	8	10
Lengths	mm	l	187	205.5	215.5	228	245	278	313
		m	2	2.5	2.5	5	6	6	5
		n	72	70	75	73	80.5	93.5	100.5
		r	111	110	121	120.5	130	155	161
		s	46	52	51	66.5	72	72	91
		t	177	187	195	212	228	258	290
Threaded Holes		v	8xM12	8xM14	10xM16	8xM18	8xM20	8xM22	10xM24

1) Permissible operating pressure range 27 - 28 bar

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