



Elasta-Flex™ CM

CLUTCHES & BRAKES





ELASTA-FLEX™ CM Series

Oil States CM clutch technology is the preferred choice for the marine industry. The CM is a ventilated version of our CB solution, providing greater heat dissipation through the ventilated friction shoe assembly. The CM design permits clutch slippage during vessel maneuvering and cycling engagement.

Features & Benefits

- Reclaimable, heavy-duty outer rim design – a new elastomeric element can be molded into the existing rim and new friction shoe assemblies installed
- Offered both new and remanufactured for efficiency and economy
- ABS Type Approved

Typical Applications

- Marine

Parts and Accessories

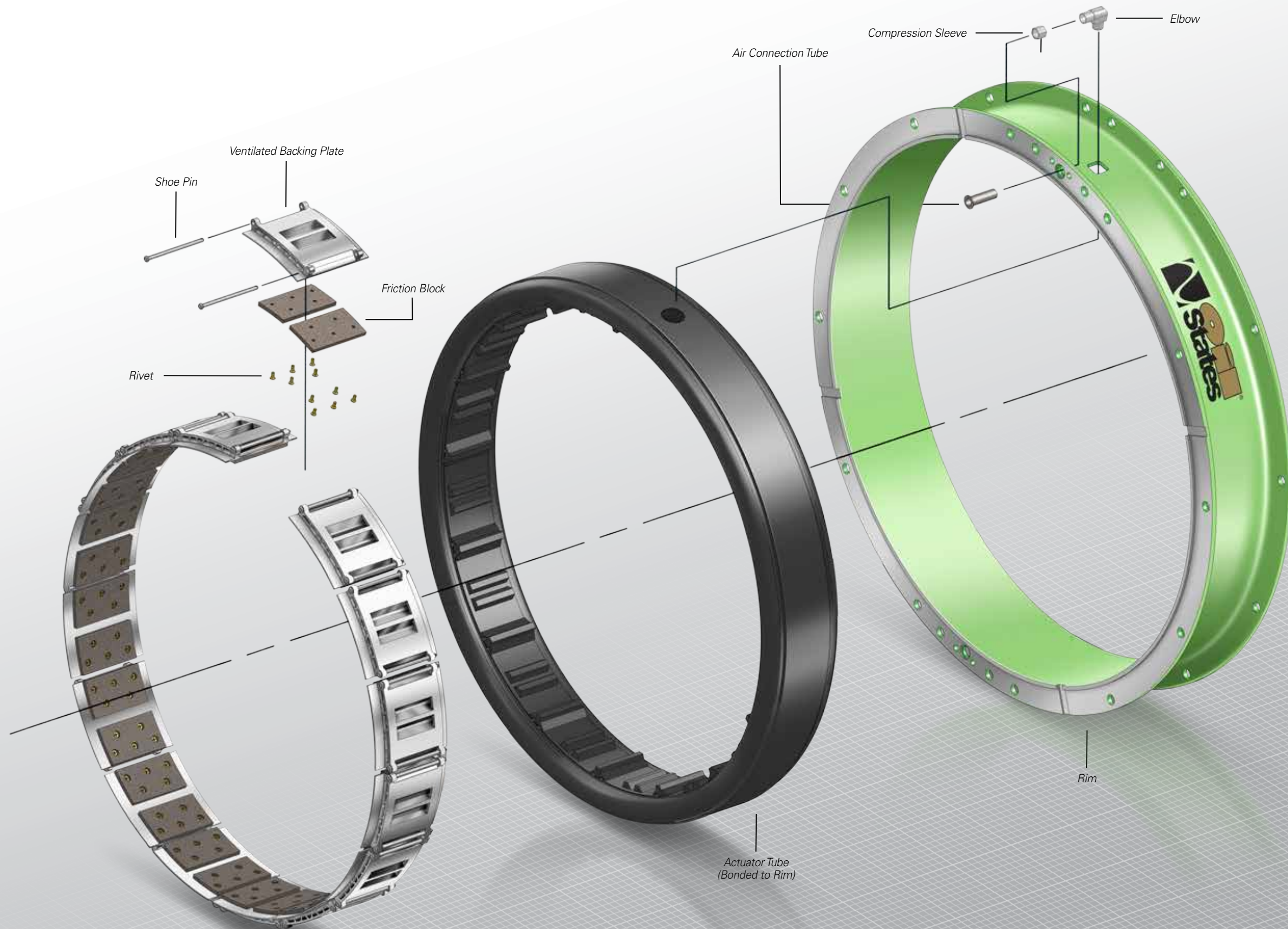
To complement our Elasta-Flex™ CM clutch and brake technology, we sell a broad selection of accessory components to extend the life of your equipment. We offer cast steel forward and reverse drums, friction shoe assemblies, friction block kits and accompanying hardware components to tailor each solution to your specific application. Friction products are only available for purchase in complete sets.



Replaceable Components
for CM Clutches

CM SERIES PART NUMBERS - CROSSOVER INFORMATION

Oil States Part No.	Crossover Part No.	Crossover Part No.	Description
IP412168	412168	26FM475	26" Marine Clutch Element - New
IP1113	--	--	26" Marine Clutch Element - Remanufactured
IP412169	412169	30FM500	30" Marine Clutch Element - New
IP1114	--	--	30" Marine Clutch Element - Remanufactured
IP424756	424756	35FM500	35" Marine Clutch Element - New
IP435675	435675	--	35" Marine Clutch Element - Remanufactured
IP425123	425123	40FM550	40" Marine Clutch Element - New
IP435677	435677	--	40" Marine Clutch Element - Remanufactured
IP425126	425126	48FM650	48" Marine Clutch Element - New
IP435679	435679	--	48" Marine Clutch Element - Remanufactured

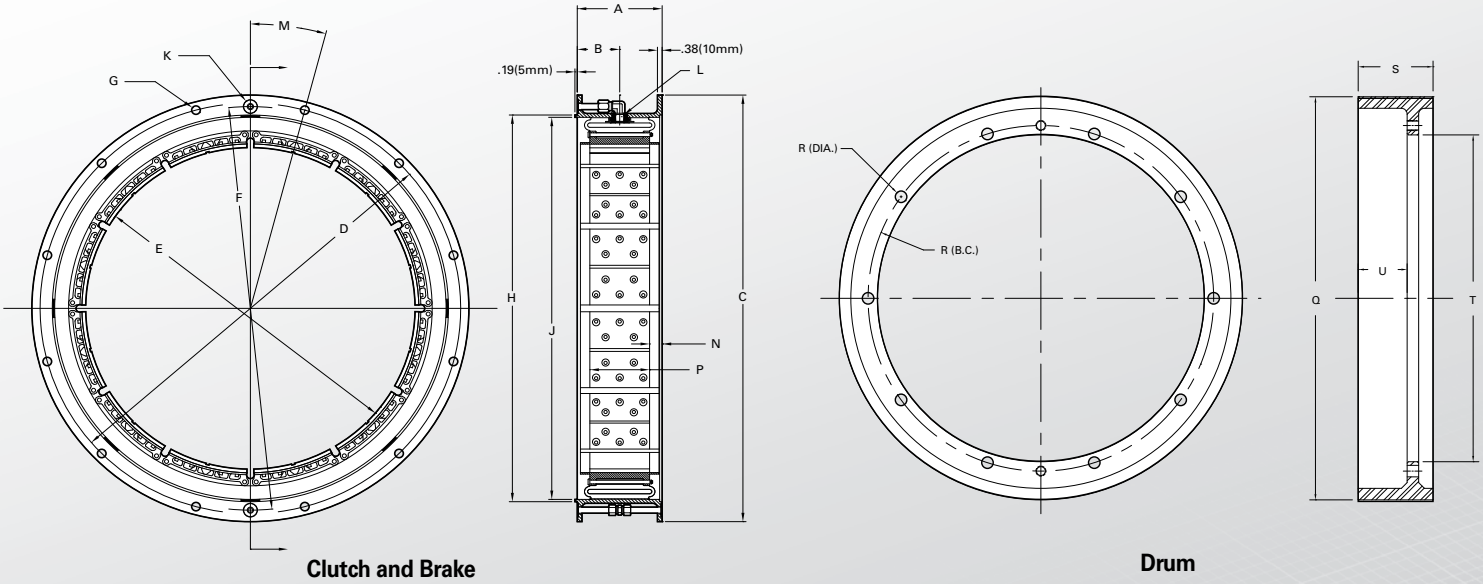


TECHNICAL: CM CLUTCHES & BRAKES

SIZE	TORQUE RATING		MAX SPEED	SPEED CORRECTION		INERTIA (Wk²)		WEIGHT		FRICTION MATERIAL AREA		FRICTION MATERIAL THICKNESS			
	lb-in	N-m	rpm	psi/ rpm²	bar/ rpm²	lb-ft²	kg-m²	lb	kg	in²	cm²	NEW		MIN	
												in	mm	in	mm
26CM475	240,000	27,200	1030	40 E-06	2,8 E-06	280	11,76	160	72	302	2,099	0.30	8	0.21	5
30CM500	342,000	38,600	915	48 E-06	3,3 E-06	430	18,06	190	86	379	2,634	0.33	8	0.18	5
35CM500	480,000	54,200	790	58 E-06	4,0 E-06	760	31,92	250	113	433	3,009	0.33	8	0.18	5
40CM550	672,000	76,000	700	68 E-06	4,7 E-06	1150	48,30	310	140	540	3,753	0.33	8	0.18	5
48CM650	1,116,000	126,200	605	79 E-06	5,5 E-06	2020	84,84	400	181	752	5,226	0.33	8	0.18	5

Listed rating at a maximum pressure of 150psi/10,4 bar, actual varies with actuating pressure. Indicates dynamic torque. Torque results will vary by application conditions, static torque will be up to 25% higher.

IMPORTANT: Equipment operation must comply with all OSHA and regulatory standards. Operation outside of these specifications or applications will void all Oil States Industries' warranties. New applications must be approved in advance by Oil States to assess warranty coverage.



DIMENSIONS: CM CLUTCHES & BRAKES (SIZES 26" - 48")

SIZE	PART NUMBER		PRESSURE		A		B		C		D		E		F			G*			H**		J		K		L	M	N		P		# REQ'D
	NEW	REMAN	psi	bar	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		No.	in	mm	in	mm	in	mm	in	mm	size	deg	in	mm	in	mm	
26CM475	IP412168	IP1113	150	10,3	6.94	176	3.38	86	34.75	882,7	33.44	849,3	26.19	665	32.88	835		12	0.69	18	31.50	800,1	31.13	790,8	0.38	10	3/8-18	15	1.00	25	4.75	121	12
30CM500	IP412169	IP1114	150	10,3	7.19	183	3.50	89	39.38	1000,1	38.00	965,2	30.19	767	37.50	953		12	0.81	21	35.75	908,1	35.38	898,7	0.50	13	1/2-14	15	1.00	25	5.00	127	14
35CM500	IP424756	IP435675	150	10,3	7.69	195	3.75	95	45.88	1165,2	44.38	1127,1	35.19	894	43.75	1111		12	0.81	21	42.00	1066,8	41.38	1051,1	0.63	16	3/4-14	15	1.25	32	5.00	127	16
40CM550	IP425123	IP435677	150	10,3	8.44	214	4.13	105	51.38	1304,9	49.88	1266,8	40.19	1021	49.25	1251		12	0.81	21	47.38	1203,3	46.78	1187,6	0.63	16	3/4-14	15	1.38	35	5.50	140	18
48CM650	IP425126	IP435679	150	10,3	9.06	230	4.44	113	59.50	1511,3	58.00	1473,2	48.19	1224	57.25	1454		16	0.81	21	55.38	1406,5	54.76	1390,9	0.63	16	3/4-14	11.25	1.19	30	6.50	165	21

* Tolerance of +0.000,-0.006 in (+0,00/-0,15 mm)

** Tolerance of +0.005,-0.000 in (+0,13/-0,00 mm)

DIMENSIONS: CM DRUMS (SIZES 26" - 48")

SIZE	FWD OR REV	WEIGHT		INERTIA		Q			R					S		T		U	
									BC		DIA		No.						
		lb	kg	lb-ft²	kg-m²	in	mm		in	mm	in	mm	in	mm	in	mm	in	mm	
26CM475	FWD	190	86	170	7,14	26	660		16.13	409.7	0.81	21	10	5.25	133.0	14.75	374,7	3.25	83
30CM500	FWD	210	95	280	11,76	30	762		20.13	511.3	0.88	22	10	5.50	140.0	18.75	476,3	3.75	95
35CM500	FWD	310	140	570	23,94	35	889		23.51	597.0	1.00	25	10	6.50	165.0	21.88	555,6	4.25	108
40CM550	FWD	460	208	990	41,58	40	1016		26.26	666.9	1.06	27	10	6.50	165.0	24.38	619,1	4.00	102
48CM650	FWD	590	267	1970	82,74	48	1219		37.76	959.1	1.06	27	12	7.00	178.0	35.88	911,2	3.06	78
26CM475	REV	145	66	150	6,30	26	660		21.63	549.4	0.81	21	10	5.25	133.4	20.25	514,4	4.19	106
30CM500	REV	175	79	250	10,50	30	762		25.63	651.0	0.88	22	10	5.50	139.7	24.25	616,0	3.88	99
35CM500	REV	245	111	490	20,58	35	889		30.01	762.1	1.00	25	10	6.50	165.1	28.38	720,7	4.25	108
40CM550	REV	350	159	830	34,86	40	1016		33.76	857.4	1.06	27	10	6.50	165.1	31.88	809,6	3.50	89
48CM650	REV	500	227	1750	73,50	48	1219		42.01	1067.1	1.06	27	12	7.00	177.8	40.00	1016,0	4.50	114



About Oil States Clutch & Brake Systems

Oil States is a global supplier of trusted clutch and brake solutions for industrial, oilfield, mining and forestry applications and more. Engineered and tested to the highest standards of performance and reliability, Oil States brake and clutch solutions offer a full range of performance and configurations for virtually any environment.

DRUM STYLE

- Elasta-Flex™ VC Series
- Elasta-Flex™ CB Series
- Elasta-Flex™ CM Series

DISK STYLE

- CoolForce™ Water Cooled Brakes

EXPANDING CLUTCH ACTUATORS

- Elasta-Flex™ E Series
- Elasta-Flex™ VE Series
- Elasta-Flex™ Expander Tubes
- Elasta-Flex™ ER Series



www.oilstates.com

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