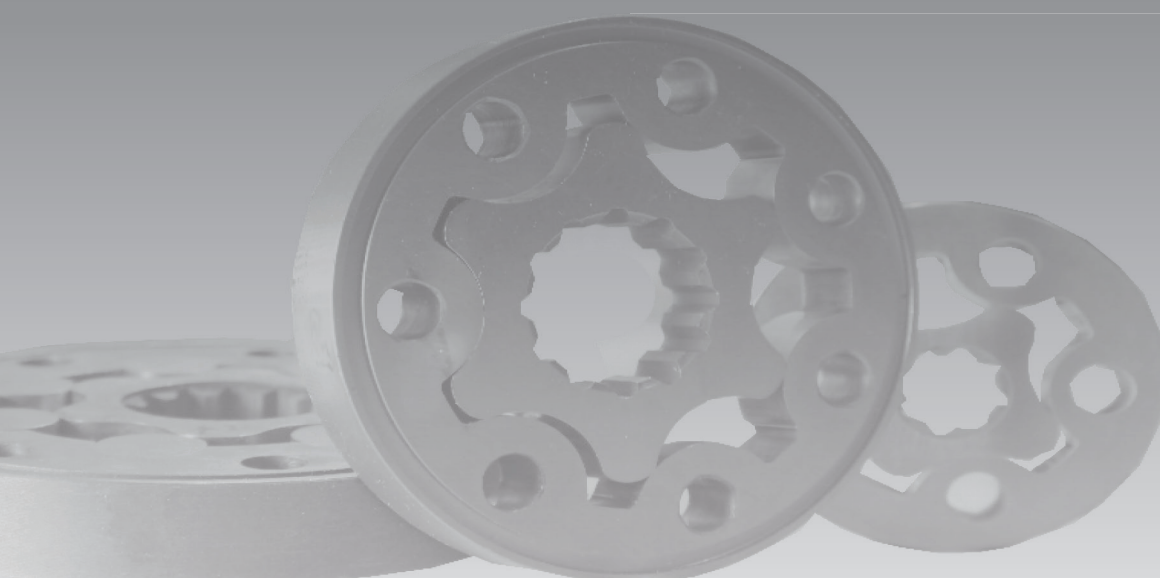


CMER HYDRAULIC MOTOR



CMER HYDRAULIK MOTOR

HYDROMOT
Hydraulic solutions.

Hydraulik Motor CMER | Hydraulic Motor CMER



Technische Daten | Technical Data

Typ Type		CMER 125	CMER 160	CMER 200	CMER 230	CMER 250	CMER 300	CMER 350	CMER 375	CMER 475	CMER 540	CMER 750
Schluckvolumen Displacement	[cm³/ rev]	118	156	196	228	257	296	345	371	462	540	745
Max. Drehzahl Max. Speed	[RPM]	Dauerbetrieb Continuous working	360	375	330	290	290	250	220	200	160	140
		Intermittierend (1) Intermittent (1)	490	470	425	365	350	315	270	240	195	170
Max. Drehmoment Max. Torque	[daNm]	Dauerbetrieb Continuous working	32,5	45,0	53,0	62,5	70,0	81,0	90,5	99,0	108,5	98,0
		Intermittierend (1) Intermittent (1)	38,0	52,5	60,0	71,0	79,0	93,0	103,5	114,0	118,0	124,0
		Spitze (2) Peak (2)	45,0	59,0	75,0	87,0	98,0	112,0	128,5	136,0	126,0	138,0
Max. Leistungsabgabe Max. Output	[kW]	Dauerbetrieb Continuous working	12,0	15,0	15,5	16,0	17,5	18,0	17,5	16,5	14,5	11,5
		Intermittierend (1) Intermittent (1)	14,0	17,5	18,0	19,0	20,0	21,0	20,0	19,0	16,5	15,0
Max. Druckgefälle Max. Pressure drop	[bar]	Dauerbetrieb Continuous working	205	205	205	205	205	205	205	205	175	140
		Intermittierend (1) Intermittent (1)	240	240	240	240	240	240	240	240	190	175
		Spitze (2) Peak (2)	276	276	276	276	276	276	276	276	205	205
Max. Ölstrom Max. Oil flow	[lpm]	Dauerbetrieb Continuous working	45	60	70	70	75	80	80	75	75	75
		Intermittierend (1) Intermittent (1)	60	75	85	85	90	95	95	90	90	90

(1) Intermittierender Betrieb max. 6 Sekunden / Minute

(2) Spitzenbetrieb max. 0,6 Sekunden / Minute

(1) Intermittent operation rating applies to 6 sec. of every minute

(2) Peak load rating applies to 0,6 sec of every minute

Bestellinformation | Order Information

CMER	1	2	3	4
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Pos. 1	Montageflansch Mounting flange
F4	Ovalflansch 4-Loch, SAE A Oval mount 4 holes, SAE A
F6	Ovalflansch 6-Loch, SAE A Oval mount 6 holes, SAE A
W	Radflansch Wheel mount

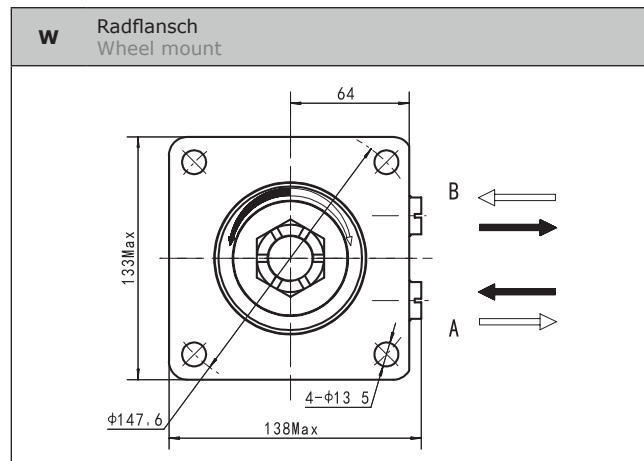
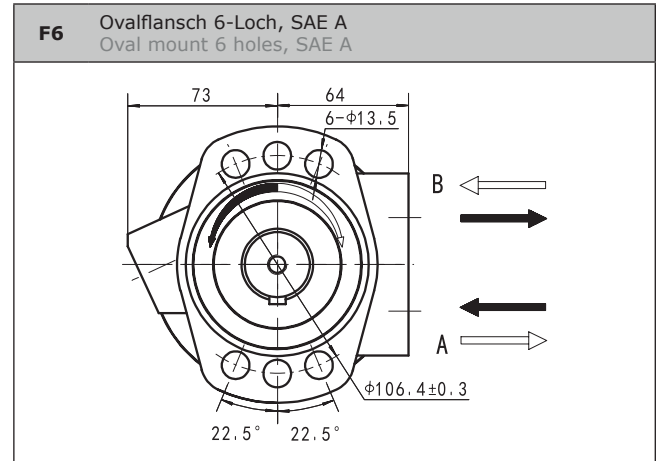
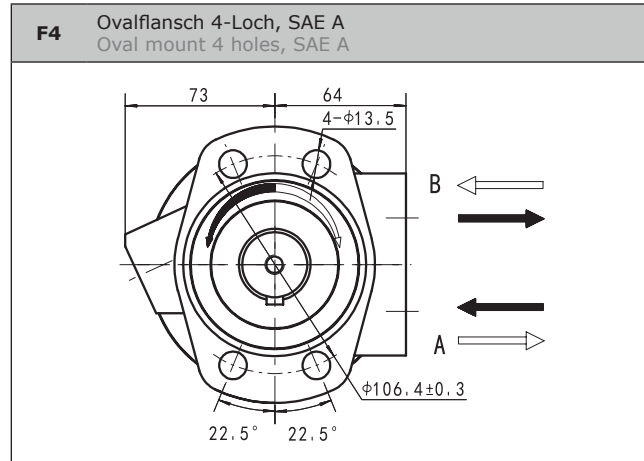
Pos. 2	Anschlussgewinde Port thread
B	G 1/2" BSPP
N	1/2-14 NPTF
U	7/8-14 UNF
F	Blockaufbau (nur in Verbindung mit Flanschoption F6) Manifold ports (only available with flange option F6)

Pos. 3	Schluckvolumen Displacement
125	118 cm ³ /U 118 ccm/rev
160	156 cm ³ /U 156 ccm/rev
200	196 cm ³ /U 196 ccm/rev
230	228 cm ³ /U 228 ccm/rev
250	257 cm ³ /U 257 ccm/rev

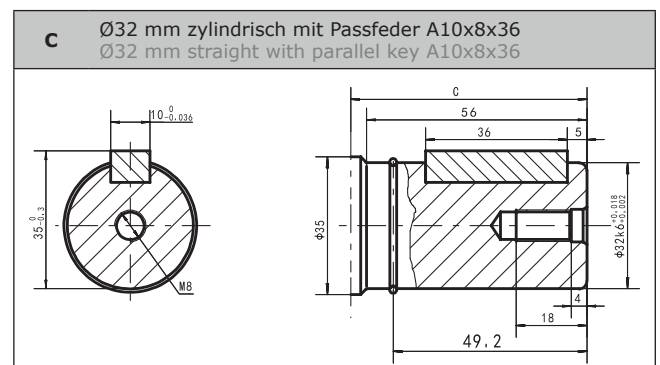
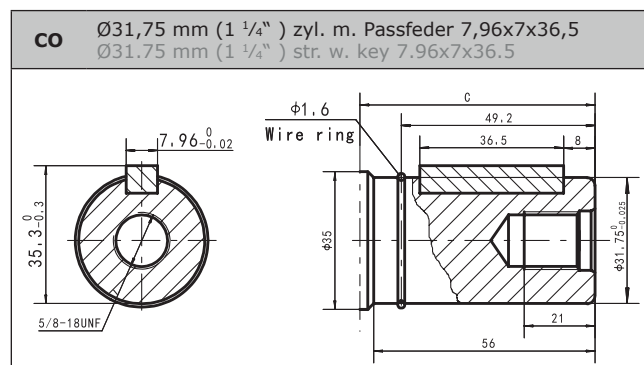
300	296 cm ³ /U 296 ccm/rev
350	345 cm ³ /U 345 ccm/rev
375	371 cm ³ /U 371 ccm/rev
475	462 cm ³ /U 462 ccm/rev
540	540 cm ³ /U 540 ccm/rev
750	745 cm ³ /U 745 ccm/rev

Pos. 4	Wellenausführung Shaft extension
CO	Ø31,75 mm (1 1/4") zyl. m. Passfeder 7,96x7x36,5 Ø31.75 mm (1 1/4") str. w. key 7.96x7x36.5
C	Ø32 mm zylindrisch mit Passfeder A10x8x36 Ø32 mm straight with parallel key A10x8x36
SH	Ø31,75 mm (1 1/4") verzahnt, 14 Zähne, DP 12/24 Ø31.75 mm (1 1/4") splined, 14T, DP 12/24
K	Konisch 1:8 m. Passfeder 7,96x7,96x25,4 Conical 1:8 w. key 7.96x7.96x25.4
CO1	Ø25,4 mm (1") zylindrisch mit Passfeder 1/4"x1/4"x1 1/4" Ø25.4 mm (1") straight with parallel key 1/4"x1/4"x1 1/4"
C25	Ø25 mm zylindrisch mit Passfeder 8x7x32 Ø25 mm straight with parallel key 8x7x32
S	Ø25,32 mm verzahnt (SAE 6B) Ø25.32 mm splined (SAE 6 B)

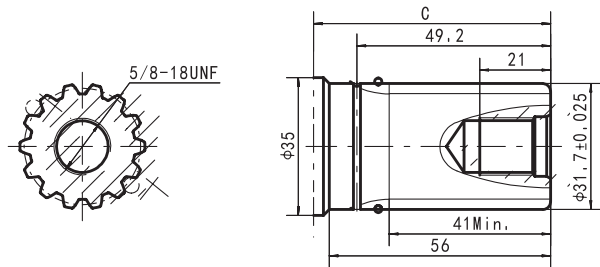
Montageflansch | Mounting flange



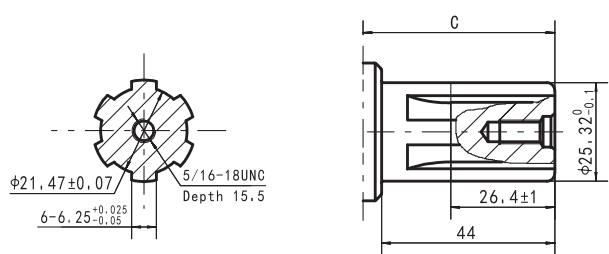
Wellenausführung | Shaft extension



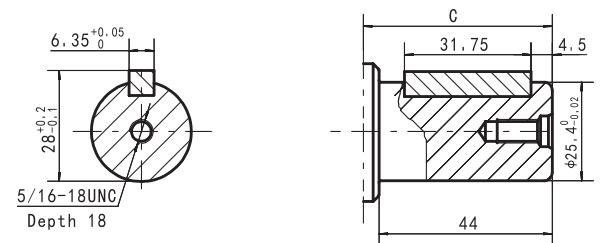
SH Ø31,75 mm (1 1/4") verzahnt, 14 Zähne, DP 12/24
Ø31.75 mm (1 1/4") splined, 14T, DP 12/24



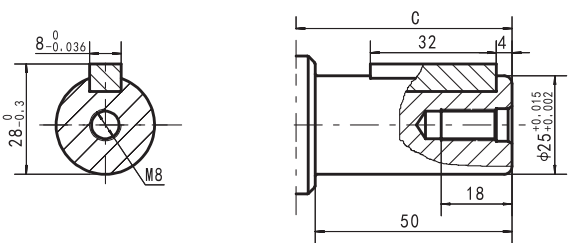
S Ø25,32 mm verzahnt (SAE 6B)
Ø25.32 mm splined (SAE 6 B)



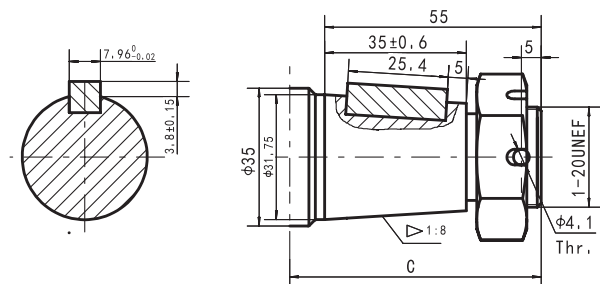
CO1 Ø25,4 mm (1") zylindrisch mit Passfeder 1/4"x1/4"x1 1/4"
Ø25.4 mm (1") straight with parallel key 1/4"x1/4"x1 1/4"



C25 Ø25 mm zylindrisch mit Passfeder A8x7x32
Ø25 mm straight with parallel key A8x7x32



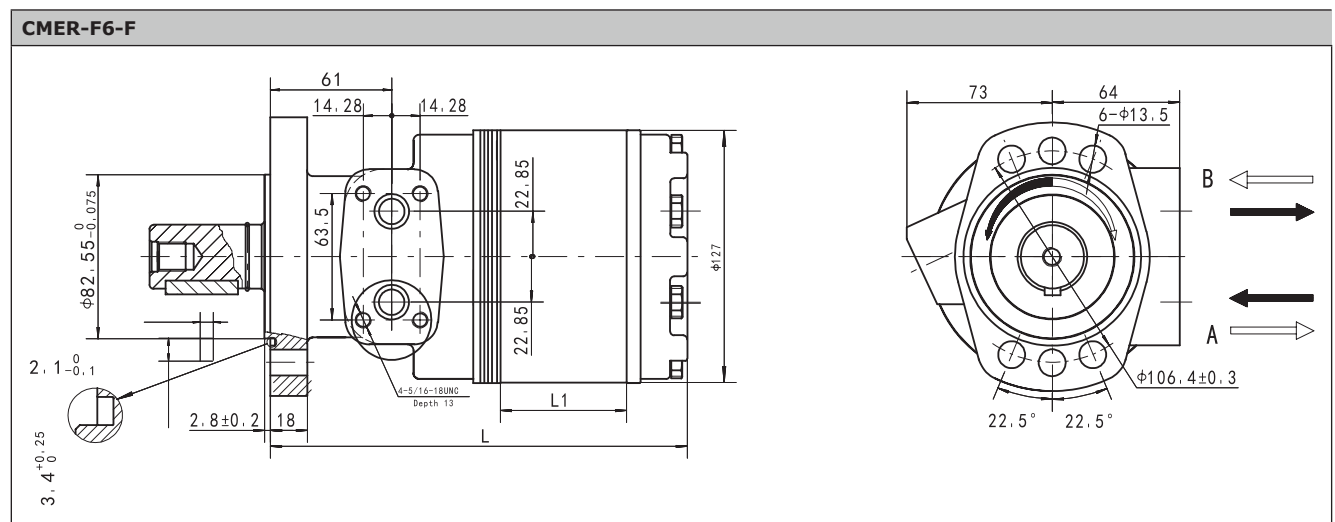
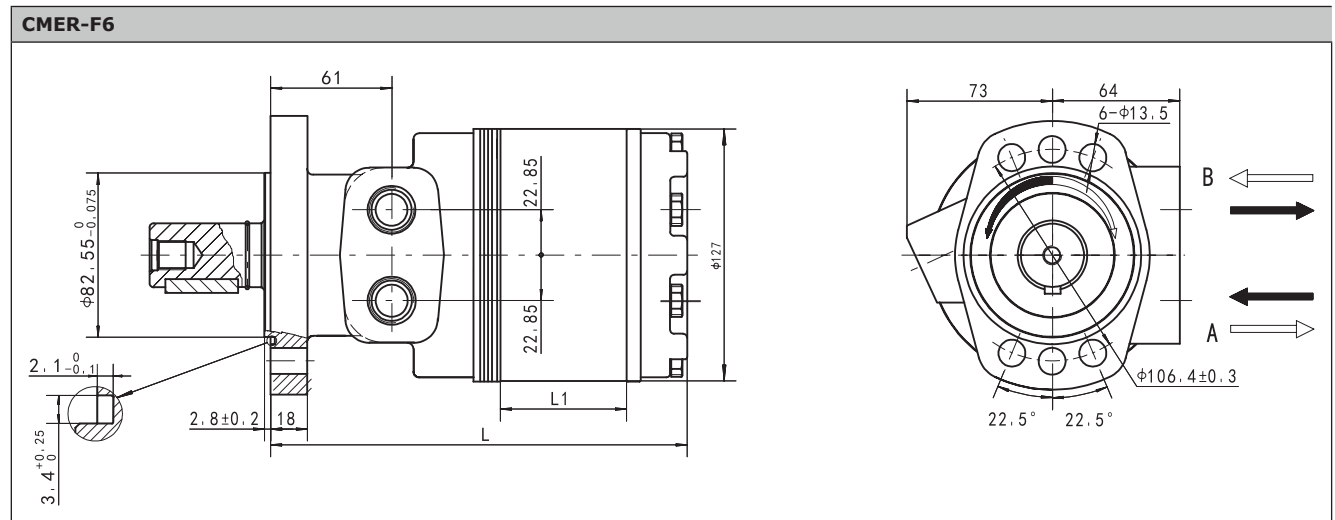
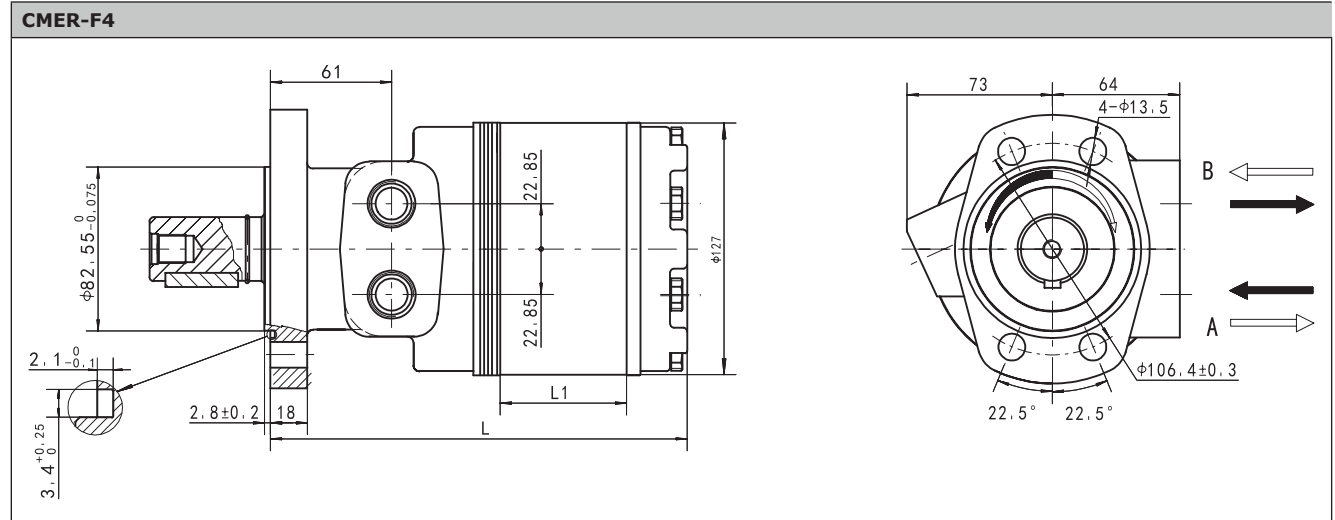
K Konisch 1:8 m. Passfeder 7,96x7,96x25,4
Conical 1:8 w. key 7.96x7.96x25.4



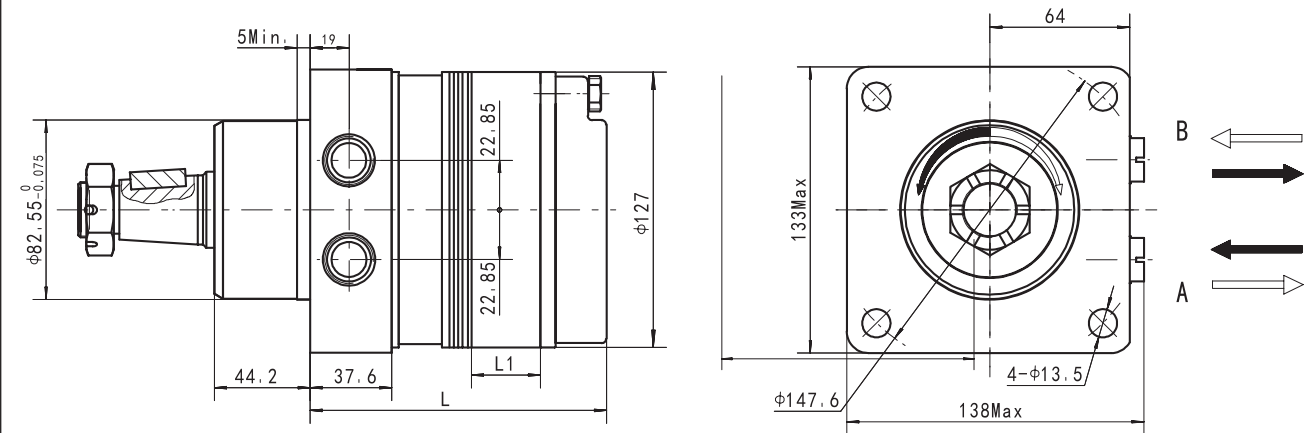
Maß C [mm]
Dimension C [mm]

Welle Shaft	SAE A	Radflansch Wheel mount
CO	61	103
C	61	103
SH	61	103
K	65	107
CO1	50	91
C25	56	97
S	50	91

Abmessungen CMER | Dimensions CMER

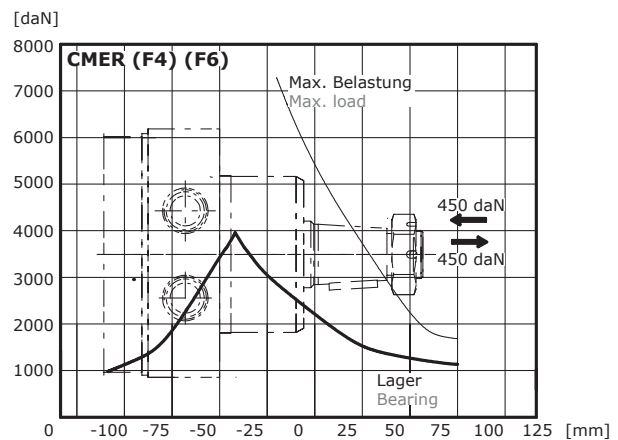
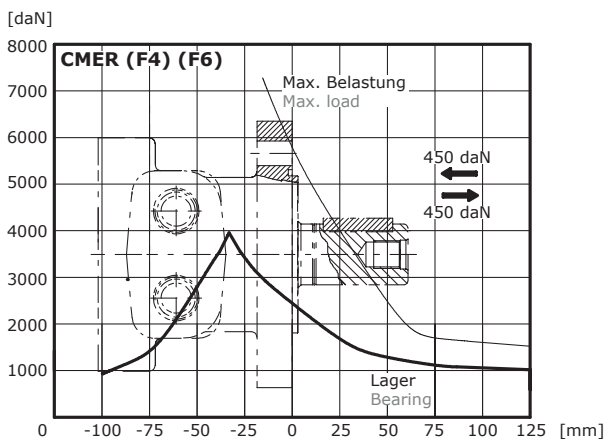


CMER-W



Typ Type	L [mm]	Gewicht [kg] Weight [kg]	Typ Type	L [mm]	Gewicht [kg] Weight [kg]	L ₁ [mm]
CMER (F4) (F6) 125	157,0	10,6	CMER (W) 125	119,0	12,0	10,2
CMER (F4) (F6) 160	160,0	10,9	CMER (W) 160	122,0	12,1	13,5
CMER (F4) (F6) 200	163,5	11,2	CMER (W) 200	125,5	12,3	17,0
CMER (F4) (F6) 230	166,0	11,3	CMER (W) 230	128,0	12,4	19,5
CMER (F4) (F6) 250	168,5	11,4	CMER (W) 250	130,5	12,6	22,0
CMER (F4) (F6) 300	172,0	11,6	CMER (W) 300	134,5	13,0	25,4
CMER (F4) (F6) 350	176,0	12,0	CMER (W) 350	138,0	13,2	29,5
CMER (F4) (F6) 375	178,5	12,5	CMER (W) 375	140,5	13,5	31,8
CMER (F4) (F6) 475	186,0	13,0	CMER (W) 475	148,0	14,0	39,4
CMER (F4) (F6) 540	194,0	13,5	CMER (W) 540	156,0	14,6	47,3
CMER (F4) (F6) 750	210,0	15,0	CMER (W) 750	176,0	16,0	63,5

Radiale Wellenbelastung CMER | Radial shaft load CMER



Die Kurven gelten für eine B10 Lebensdauer der Lager bei 300 U/min. Größere Belastungen als die maximale Belastung erhöhen das Risiko eines Wellenbruchs.

The curves are valid for a B10 bearing life at 300 RPM. Any shaft load exceeding the values of the max. load curve will involve the risk of breakage.