CMF#N / CMF#L

STEEL AND ALUMINIUM HOLLOW PISTON CYLINDERS

FEATURES

All the **CMF** cylinder series are supplied with a smooth hollow saddle and the cylinder body, rod and bottom are threaded to facilitate the fixing and fitting of eventual Accessories.
The end of stroke nut has a wiper seal which prevents the penetration of dirt inside the cylinder.
Cylinders are supplied with anti-corrosive treatment which is very effective to protect the central bore.

OPERATIONAL AREAS

These cylinders are recommended for tensioning and for the extractiong of pulleys, bushes and heat exchangers. They can also be used in both pulling and pushing operations by inserting either a bar or a cable through the hollow saddle.

ACCESSORIES (p. 31)

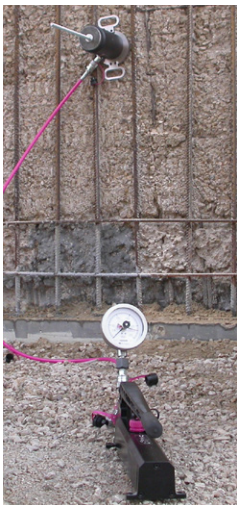
ZTE threaded saddle allows the fitting of threaded bars usually for extractors (**UEC / UEG / UEZ / UET series**).

OPTIONS

- **L version,** cylinders with aluminium body (**CMF###L###**).

STANDARD

- **Smooth hollow saddle** prevents any risk of any possible rod deformation.



EUROPRESS technical department is available to design special customised solutions.

It's important to drop the pressure inside the cylinder before disconnecting the quick coupler to avoid problems if re-inserting or lowering the load. In case some pressure persists it is possible to use the apposite tool **KST38** in order to lower the pressure in the couplers.

● FORCE	10 - 100 t
● STROKE	8 - 160 mm
● MAX WORKING PRESSURE	700 bar

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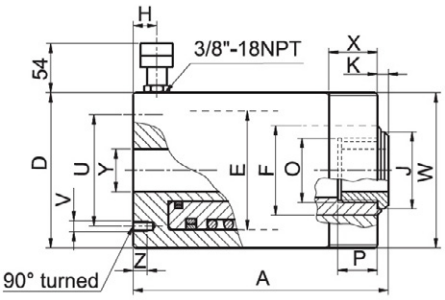
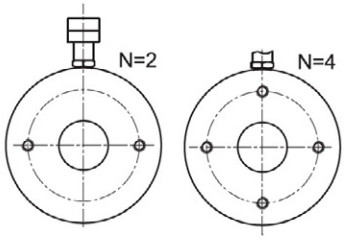
STEEL AND ALUMINIUM HOLLOW PISTON CYLINDERS SPRING RETURN



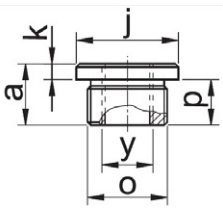


SELECTION CHART

PUSHING FORCE	STROKE	EFFECTIVE AREA	OIL VOLUME	MODEL	CLOSED HEIGHT	Ø EXTERNAL VERSION N Ø EXTERNAL VERSION L	Ø PISTON	Ø ROD	COUPLER HEIGHT	Ø HOLLOW SADDLE	ROD PROJECTION	ROD INTERNAL THREAD	ROD THREAD DEPTH	PCD MOUNTING HOLES	MOUNTING HOLES DEPTH	COLLAR THREAD	COLLAR THREAD LENGTH	Ø THROUGH HOLE	WEIGHT VERSION N	WEIGHT VERSION L
t* kN	mm	cm²	cm³		A mm	D mm	E mm	F mm	H mm	J mm	K mm	O mm	P mm	U mm	V / Z mm	W mm	X mm	Y mm	kg	kg
10 123	8	17.6	14	CMF10N8	55	80 / -	55	38	-	-	-	-	-	-	-	-	-	21.5	2.3	-
	50		88	CMF10N50	132	74 / 75		40	19	34.5	1	M30 x1,5	16	50.8	2xM8 8	M74 x2	20	21	3.8	2.5
	80		141	CMF10N80	176														4.8	3.1
20 230	50	32.9	164	CMF20N50	150	100 / 105	75	56	19	47.5	2	M40 x1,5	24	82.6	2xM8 10	M100 x2	20	28	7.8	5.3
	100		328	CMF20N100	221														10.7	7.4
	160		525	CMF20N160	305														14.1	9.5
22	8	30.3	24	CMF22N8	60	100 / -	75	55	-	-	-	-	-	-	-	-	-	33	3.5	-
30 334	50	47.7	239	CMF30N50	160	115 / 125	90	65	21	57.5	2	M48 x1,5	32	92.2	2xM10 12	M115 x2	20	34	10.5	8.1
	100		477	CMF30N100	233														14.5	11
	150		716	CMF30N150	303														18.1	13.6
60 590	75	84.3	632	CMF60N75	219	165 / 180	125	90	26	81.5	2	M72 x1,5	40	130.2	2xM12 16	M165 x4	25	54.5	28.9	21.4
	150		1264	CMF60N150	331														39.9	28.6
100 947	75	135.3	1015	CMF100N75	270	215 / 235	165	125	36	117.5	4	M102 x1,5	55	130	4xM12 15	M215 x4	35	80.5	59.3	44.6

* Nominal value, see kN for the exact force.

ACCESSORIES ZTE THREADED SADDLES



MODEL	For use with	a	k	j	p	y	o	kg
ZTE10	** CMF10 # # # #	20	4	34.5	16	3/4" - 16 UNC	M30x1,5	0.1
ZTE20	CMF20 # # # #	30	6	47.5	24	1" - 8 UNC	M40x1,5	0.25
ZTE30	CMF30 # # # #	39	7	57.5	32	1 ¼" - 7 UNC	M48x1,5	0.32
ZTE60	CMF60 # # # #	47	7	81.5	40	1¼" - 5 ½ UNS	M72x1,5	0.85

** Except CMF10N8.

MODEL CODING

CMF	10	N	###
Series	Pushing Force in **t**	**N** = steel **L** = alluminium	Stroke in **mm**