CMT

PULLING CYLINDERS, IN STEEL AND ALUMINIUM
SPRING RETURN

FEATURES

Range in steel
Have a thread on the body, on the rod and in the base to mount the proper accessories.
The internal and external nitriding treatment gives them a good resistance to wear and corrosion.

Range in aluminium
Manufactured completely in aluminium (apart from the rod) these cylinders have been given an anodizing treatment to protect them against corrosion.
They have a bellow to protect the rod and from 30 tonne models carrying handles.

OPERATIONAL AREAS

Range in steel
Used in assembling, building and in laboratories to test the resistance of materials.

Range in aluminium
These are used in shipbuilding and in steel structural works to pull together plates, or prefabricated parts which have to be welded together.

ACCESSORIES

ZAS Set of eyelets for series N cylinders.

These cylinders can be used with the **PL** lightweight hand pumps with which they make a handy hydraulic set.

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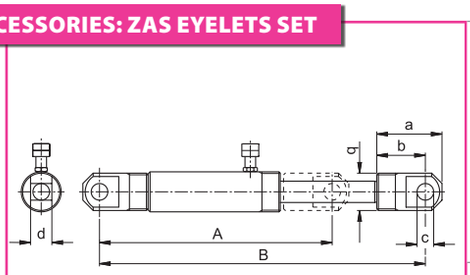
ACCESSORIES: ZAS EYELETS SET



For use with	MODEL	Closed height A	Extended height B	a mm	b mm	c mm	d mm	q mm
CMT2N127	**ZAS2**	290	417	62	46	16	16	M35x1,5
CMT5N140	**ZAS5**	403	543	98	73	25	32	M56x2
CMT10N150	**ZAS10**	394	544					

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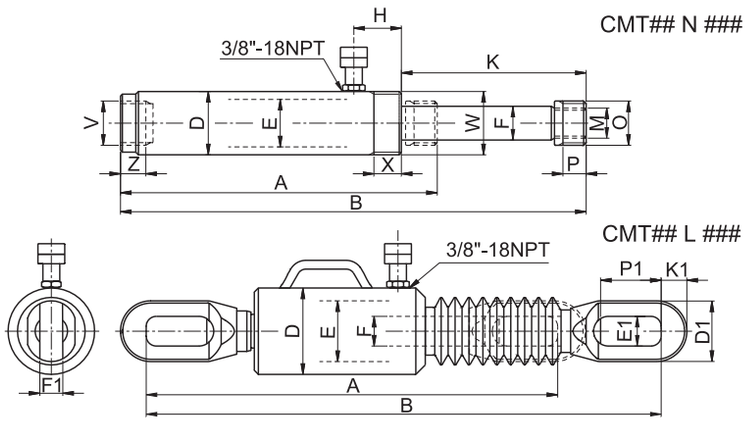

- Force **2 -60 t**
- Stroke **127 - 150 mm**
- Max working pressure **700 bar**

Cylinders with non standard **force** and **stroke** can be supplied upon request

STEEL CYLINDERS SELECTION CHART

Pushing force	Stroke	Oil volume	MODEL	Closed height	Extended height	External Dia.	Piston Dia.	Rod Dia.	Coupler distance	Rod projection	Rod thread	Saddle thread	Saddle thread lenght	Internal base thread	Internal base thread lenght	Bodythread_Thread lenght	Weight
t* kN	mm	cm^3		**A** mm	**B** mm	**D** mm	**E** mm	**F** mm	**H** mm	**K** mm	**M** mm	**O**	**P** mm	**V** mm	**Z** mm	**W /X** mm	**kg**
2 22,9	127	41	**CMT2N127**	244	371	48	30	22	39	155	M18x1,5	3/4" NPT	18	3/4" NP	20	M40x1,5 20	2,9
5 55	140	110	**CMT5N140**	301	441	60	45	32	45	175	M30x2	1 1/4" NPT	22	1 1/4" NPT	24	M60x1,5 26	4,9
10 110	150	236	**CMT10N150**	302	452	80	55	32	39	189	M30x2	-	30	M30x2	25	M80x2 20	8,0

ALUMINIUM CYLINDERS SELECTION CHART

Pushing force	Stroke	Oil volume	MODEL	Closed height	Extended height	External Dia.	Piston Dia.	Rod Dia.	Eyelet width	Slit width	Eyelet thickness	Eyelet top thickness	Slit length	Weight
t* kN	mm	cm^3		**A** mm	**B** mm	**D** mm	**E** mm	**F** mm	**D1** mm	**E1** mm	**F1** mm	**K1** mm	**P1** mm	**kg**
10 110	150	236	**CMT10L150**	526	676	75	55	32	55	32	20	20	100	4,4
30 334		716	**CMT30L150**	612	762	128	90	45	90	44	34	38	100	13,2
60 559		1199	**CMT60L150**	734	884	168	120	65	107	61	40	50	140	33,5

* Nominal value, see kN for the exact force

MODEL CODING

CMT	10	N	# # #
Series	Pulling **force** in tonne	**N** = In steel **L** = In aluminium	**Stroke** in mm

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