COI#N / COI#W

OIL RETURN
INDUSTRIAL CYLINDER
WITH METRIC AND IMPERIAL THREAD

FEATURES

These cylinders are equipped with a collar thread, an internal rod thread and base mounting holes.
They are supplied with an interchangeable grooved saddle and models over 30 tonne have eyelets to facilitate their transport.

For models with 30 ton or higher, the hole in the rod is not suitable for traction but only for the mounting of tilt saddles or other equipment.

A safety valve connected to the retract chamber avoids any possible overpressure.

The guide nut has a wiper ring to prevent the entering of dirt and to extend the working life of the cylinder.

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. In case some pressure persists it is possible to use the apposite tool **KST38**.

In case of a non frequent use, the cylinders of the **COS** range could be a more economical solution.

OPERATIONAL AREAS

They are highly versatile and strong cylinders designed to be used in industrial applications with a high number of working cycles.

They are also used in the pushing of underpass constructions and in piling operations and given their threaded collar they can be mounted on presses.

ACCESSORIES (p. 53)

- **Separate ZTT tilt saddle** reduces the effects of possible off-centred loads.

STANDARD

- Base mounting **holes.**
- **Pushing saddle** prevents any risk of rod deformation.

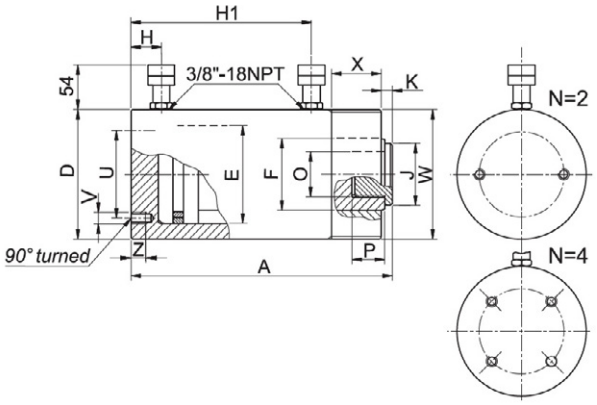
The modular power packs with 4 way valves are particularly suitable to operate these cylinders.

Follow EUROPRESS safety instructions see useful pages (p. 176).

COI#W

OIL RETURN INDUSTRIAL CYLINDER WITH IMPERIAL THREAD

FORCE	10 - 100 t
STROKE	150 - 300 mm
MAX WORKING PRESSURE	700 bar

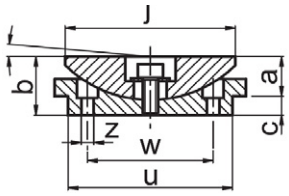


On request, cylinders with non standard force and stroke or special versions can be supplied for specific purposes.

SELECTION CHART

PUSHING FORCE	PULLING FORCE	STROKE	PUSHING EFFECTIVE AREA	PULLING EFFECTIVE AREA	PUSHING OIL VOLUME	PULLING OIL VOLUME	MODEL	CLOSED HEIGHT	Ø EXTERNAL	Ø PISTON	Ø ROD	COUPLERS HEIGHT	Ø HOLLOW SADDLE	ROD PROJECTION	ROD INTERNAL THREAD	ROD THREAD DEPTH	PCD MOUNTING HOLES	MOUNTING HOLES DEPTH	COLLAR THREAD COLLAR LENGTH	WEIGHT
t* kN	t* kN	mm	cm²	cm²	cm³	cm³		A mm	D mm	E mm	F mm	H mm	H1 mm	J mm	K mm	O mm	P mm	U mm	V / Z mm	W / X mm	kg
10 111	5 43,8	150	15.9	6.3	239	115	**COI10W150**	280	73	45	35	19	203	34	7	1" - 8	26	39	2xM8 12	2 ¼" - 14 28	6.8
		250			398	191	**COI10W250**	380					303								8.6
30 309	10 111	150	44.1	15.9	663	239	**COI30W150**	337	102	75	60	23	224	53	9	1 ½" - 16	26	50	2xM10 15	35/16" - 12 49	18
		250			1104	398	**COI30W250**	437					324								23.2
50 496	15 144	150	70.9	20.6	1063	309	**COI50W150**	288	127	95	80	25	231	65	4	M16	17	75	2xM12 18	5" - 12 35	26.5
		325			2304	670	**COI50W325**	463					406								41
100 929	38 379	150	132.7	54.1	1991	813	**COI100W150**	323	175	130	100	33	250	85	4	M16	17	100	4xM12 23	6 7/8" - 12 55	55
		300			3982	1626	**COI100W300**	473					400								77

ACCESSORIES ZTT TILT SADDLES



MODEL	For use with	a	b	c	j	u	z	w	kg
ZTT11W	COI10W # # #	9	21	12	34	1" - 8	-	-	0.1
ZTT31W	COI30W # # #	16	30	14	53	1 ½" - 16	-	-	0.3
ZTT51	COI50N # # #	18	26	8	68	65	5.5	45	0.8
ZTT101	COI100N # # #	22	32	10	88	85	6.5	65	1.6