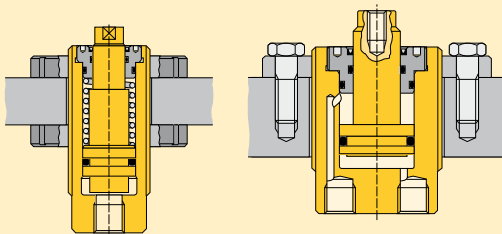


Threaded cylinders *Application & selection*




Shown: CST-10382, CST-572, CST18252, CDT-18132, CDT-40252



Threaded cylinders are designed for workpiece positioning, holding and ejecting applications where space is at a premium. Double-acting models are also suited to manufacturing applications, such as production punching.



Accessory chart

Body thread D	Mounting flange Sold Separately  87 ▶	Flange nut Sold Separately  86 ▶	Plunger thread K	Contact bolt Sold Separately  86 ▶
M12 x 1,5	MF-122	FN-122	M4 x 0,7	BS-42
M20 x 1,5	MF-202	FN-202	M6 x 1	BS-62
M28 x 1,5	MF-282	FN-282	M8 x 1,25	BS-82
M30 x 1,5	-	FN-302	M10 x 1,5	BS-102
M35 x 1,5	MF-352	FN-352	M16 x 2	BS-162
M42 x 1,5	MF-422	FN-422	M20 x 2,5	BS-202
M48 x 1,5	MF-482	FN-482		
M55 x 1,5	MF-552	FN-552		
M65 x 1,5	MF-652	FN-652		
M80 x 2	MF-802	FN-802		

■ *Threaded cylinder, mounted with horizontal bracket to position the workpiece against the stops. Enerpac swing cylinders are then activated to clamp the work piece before machining operations begin.*



High clamping forces in a compact body

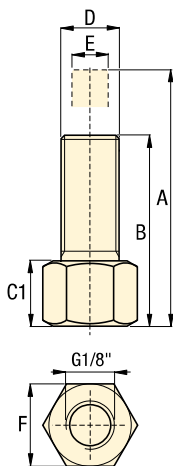
- Minimum cylinder diameter combined with maximized clamping forces
- Threaded body allows fine positioning and easy installation
- Internal plunger wipers allow maintenance-free, high-cycle performance
- Center-tapped plungers will hold workpiece contact buttons
- Single-acting models with spring return simplify hydraulic tubing requirements
- Double-acting models are recommended for high-cycle applications.

Product selection

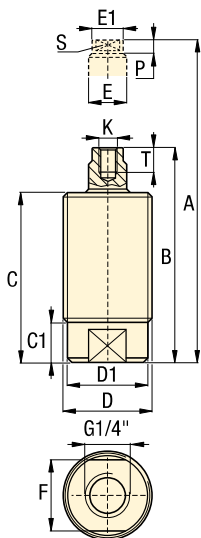
Cylinder capacity at 350 bar kN	Stroke mm	Model number	Effective area cm ²		Oil capacity cm ³		
			push	pull	push	pull	
▼ Single acting							
1,7	-	7,3	CST-272	0,52	-	0,36	-
1,7	-	10,3	CST-2102	0,52	-	0,52	-
1,7	-	12,0	CST-2132	0,52	-	0,67	-
4,4	-	7,0	CST-572	1,29	-	0,82	-
4,4	-	13,0	CST-5132	1,29	-	1,64	-
4,4	-	18,8	CST-5192	1,29	-	2,46	-
4,4	-	25,0	CST-5252	1,29	-	3,11	-
4,4	-	37,4	CST-5382	1,29	-	4,75	-
11,3	-	8,6	CST-1072	3,32	-	2,32	-
11,3	-	13,0	CST-10132	3,32	-	4,31	-
11,3	-	19,0	CST-10192	3,32	-	6,30	-
11,3	-	26,8	CST-10252	3,32	-	8,29	-
11,3	-	38,0	CST-10382	3,32	-	12,60	-
17,2	-	13,0	CST-18132	5,10	-	6,63	-
17,2	-	25,0	CST-18252	5,10	-	12,74	-
17,2	-	38,0	CST-18382	5,10	-	19,37	-
17,2	-	50,0	CST-18502	5,10	-	25,48	-
26,9	-	15,0	CST-27152	7,88	-	11,82	-
26,9	-	25,0	CST-27252	7,88	-	19,70	-
26,9	-	50,0	CST-27502	7,88	-	39,40	-
39,2	-	14,6	CST-40132	11,36	-	14,76	-
39,2	-	26,6	CST-40252	11,36	-	28,39	-
39,2	-	39,6	CST-40382	11,36	-	43,15	-
39,2	-	51,6	CST-40502	11,36	-	56,78	-
▼ Double acting							
17,2	10,4	13,0	CDT-18132	5,10	3,03	6,63	3,94
17,2	10,4	25,0	CDT-18252	5,10	3,03	12,74	7,58
17,2	10,4	38,0	CDT-18382	5,10	3,03	19,37	11,52
17,2	10,4	50,0	CDT-18502	5,10	3,03	38,61	23,11
26,9	18,2	14,7	CDT-27152	7,87	5,29	11,81	7,94
26,9	18,2	24,7	CDT-27252	7,87	5,29	19,68	13,23
26,9	18,2	49,7	CDT-27502	7,87	5,29	39,35	26,45
39,2	26,1	13,0	CDT-40132	11,35	7,55	14,76	9,81
39,2	26,1	25,0	CDT-40252	11,35	7,55	28,39	18,87
39,2	26,1	38,0	CDT-40382	11,35	7,55	43,15	28,68
39,2	26,1	50,0	CDT-40502	11,35	7,55	56,77	37,74

Note: - Seal material: Buna-N, Polyurethane.
- Minimum operating pressure for single-acting models (to overcome return spring force) is 40 bar.

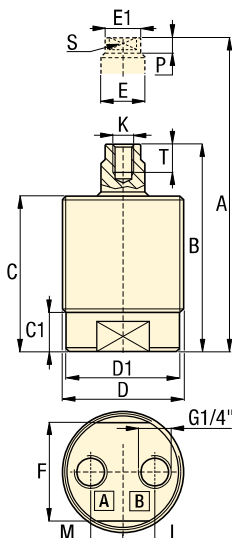
CST-2...., CST-5....



Other CST models



CDT models

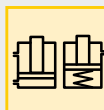


Force: 1,7 - 39,2 kN

Stroke: 7,3 - 51,6 mm

Pressure: 40 - 350 bar

- E** Cilindros roscados
- F** Vérins corps filetés
- D** Einschraubzylinder



Options

Accessories



86 ▶

Product dimensions in mm []

Model number	A Ext. height	B Retr. height	C	C1	D	D1	E	E1	F	K	L	M	P	S	T	kg
▼ Single acting																
CST-272	49,3	42,0	42,0	13,5	M12 x 1,5	-	4,8	-	16,0	-	-	-	-	-	-	0,1
CST-2102	52,8	42,8	42,8	14,3	M12 x 1,5	-	4,8	-	16,0	-	-	-	-	-	-	0,1
CST-2132	63,2	51,2	50,2	14,2	M12 x 1,5	-	4,8	-	16,0	-	-	-	-	-	-	0,1
CST-572	58,1	51,1	47,0	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,1
CST-5132	72,6	59,6	55,5	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,1
CST-5192	83,1	64,3	60,0	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,2
CST-5252	98,3	73,3	70,2	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,3
CST-5382	131,1	93,7	89,0	7,5	M20 x 1,5	17,7	7,9	7,0	15,9	M4 x 0,7	-	-	4,0	5,9	7,0	0,4
CST-1072	67,0	58,4	52,0	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,2
CST-10132	64,4	64,4	58,0	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,3
CST-10192	98,9	79,9	73,5	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,3
CST-10252	115,8	89,0	84,3	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,4
CST-10382	142,9	104,9	98,5	10,5	M28 x 1,5	26,0	11,9	11,0	24,0	M6 x 1	-	-	5,5	9,0	8,0	0,4
CST-18132	82,9	69,9	63,5	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,5
CST-18252	114,9	89,9	83,5	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,5
CST-18382	146,4	108,4	102,0	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,6
CST-18502	174,4	124,4	118,0	12,5	M35 x 1,5	32,5	16,0	15,0	30,0	M8 x 1,25	-	-	6,5	12,0	12,0	0,7
CST-27152	87,9	72,9	66,5	13,5	M42 x 1,5	39,8	18,0	17,0	36,0	M8 x 1,25	-	-	6,5	15,0	12,0	0,6
CST-27252	118,4	93,4	87,0	13,5	M42 x 1,5	39,8	18,0	17,0	36,0	M8 x 1,25	-	-	6,5	15,0	12,0	0,9
CST-27502	195,9	145,9	139,5	13,5	M42 x 1,5	39,8	18,0	17,0	36,0	M8 x 1,25	-	-	6,5	15,0	12,0	1,3
CST-40132	89,4	74,8	68,5	11,0	M48 x 1,5	45,4	19,9	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,0
CST-40252	120,9	94,3	88,0	11,0	M48 x 1,5	45,4	19,9	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,1
CST-40382	164,9	125,3	119,0	11,0	M48 x 1,5	45,4	19,9	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,5
CST-40502	188,6	137,0	130,7	11,0	M48 x 1,5	45,4	20,0	19,0	41,4	M10 x 1,5	-	-	8,0	16,9	12,0	1,7
▼ Double acting																
CDT-18132	81,0	68,0	61,5	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,0
CDT-18252	107,0	82,0	75,5	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,3
CDT-18382	131,5	93,5	87,0	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,5
CDT-18502	155,5	105,5	99,0	16,0	M48 x 1,5	45,7	15,8	15,0	41,0	M8 x 1,25	12,8	12,8	6,5	12,7	12,0	1,7
CDT-27152	85,7	71,0	64,5	17,0	M55 x 1,5	52,7	17,9	17,0	46,0	M8 x 1,25	16,0	10,0	6,5	15,8	12,0	1,1
CDT-27252	106,7	82,0	75,5	17,0	M55 x 1,5	52,7	17,9	17,0	46,0	M8 x 1,25	16,0	10,0	6,5	15,8	12,0	1,4
CDT-27502	156,7	107,0	100,5	17,0	M55 x 1,5	52,7	17,9	17,0	46,0	M8 x 1,25	16,0	10,0	6,5	15,8	12,0	1,8
CDT-40132	91,5	78,5	70,5	17,5	M65 X 1,5	60,5	21,9	21	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	1,8
CDT-40252	115,5	90,5	82,5	17,5	M65 x 1,5	60,5	21,9	21,0	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	2,0
CDT-40382	141,5	103,5	95,5	17,5	M65 x 1,5	60,5	21,9	21,0	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	2,5
CDT-40502	175,0	125,0	117,0	17,5	M65 x 1,5	60,5	21,9	21,0	54,9	M10 x 1,5	19,5	10,5	8,0	16,9	15,0	3,0

Threaded cylinders *Application & selection*

Shown: WRT-22, CYDA-15, WMT-39



▶ Threaded cylinders for workpiece positioning, holding and ejecting applications where space is at a premium. The advance and retract mode of double-acting models allow installation of clamping accessories to the plunger for pull and push action. Cylinders can be mounted with horizontal bracket to position the workpiece against the stops. Ideal for supporting or positioning a part.

Fine positioning and convenient installation

...can be fixtured into manual strap or bridge clamp assemblies

- Maximum clamping force in a compact design
- Threaded body allows exact positioning and easy installation
- Center-tapped plungers allow a variety of attachments
- Single-acting spring return models simplify hydraulic tubing requirements
- Double-acting models are ideal for applications requiring powered pulling or fast automated control
- Removable base allows CYDA-15 to be threaded into a custom manifold.

i Single or Double acting

Single acting

- The obvious choice when there are few system restrictions, and there are not many units retracting simultaneously
- Fewer valving requirements which results in a less complex circuit.

Double acting

- Used when greater control is required during the unclamp cycle
- When timing sequences are critical
- Less sensitive to system back pressures, resulting from long tube lengths or numerous components being retracted at the same time.

i Product selection

Cylinder capacity at maximum pressure	Stroke		Model number	Effective area		Oil capacity		Operating pressure
	mm			cm ²		cm ³		
	push	pull		push	pull	push	pull	
▼ Single acting								
17,4	–	12,7	WRT-21	5,10	–	0,33	–	40-350
17,4	–	25,4	WRT-22	5,10	–	0,66	–	40-350
▼ Double acting								
5,3	2,7	39,6	CYDA-15	2,65	1,29	10,16	5,08	10-210
17,4	12,0	11,9	WMT-39	5,10	3,48	6,39	4,42	10-350
17,4	12,0	24,9	WMT-40	5,10	3,48	12,95	8,85	10-350

Note: - Seal material CYDA-15: Buna-N, Polyurethane
 - Seal material WMT and WRT series: Buna-N, Polyurethane, Teflon.