CYLINDERS

FROM 2 TO 1220 TONS!

SUPERIOR FEATURES OF POWER TEAM HYDRAULIC CYLINDERS:

We build our own cylinders in our ISO 9001 registered manufacturing facilities. All Power Team cylinders are date coded and stamped with a maximum pressure rating and capacity. Each cylinder we make complies with the demanding ASME B30.1 standard and are assembled/tested by certified assemblers and pressure tested to 125% of capacity before leaving our factories. Some other key features included:

- Cylinder bores are roller burnished to harden and smooth the surface, improving seal life by 30%.
- Base mounting holes withstand full cylinder capacity.
- Typical cylinder burst pressure range is from 25,000 to 35,000 psi, well-beyond extreme usage.
- Cylinders with gland nuts may be "dead-ended" at 10,000 psi.
- Eddy current and mag-particle inspections detect flaws in the steel.
- Material is removed from surface to ensure that any flaws are eliminated.

POWERTHON™ LIFETIME WARRANTY

ISO 9001 CERTIFIED

Page Description	Cylinder Movement	Type of Return	Tonnage Range	Page(s)
Introduction	-	-	-	5-10
C	Single-Acting	Spring	5-100	11-12
CBT	Single-Acting	Spring	5-25	13
RP	Single-Acting	Spring	2-5	14
C Accessories	-	-	-	5-16
RA	Single-Acting	Spring	20-100	17
RLS	Single-Acting	Spring	5-150	18
RSS	Single-Acting Double-Acting	Spring	10-250	19-20
RH	Single-Acting Double-Acting	Spring Hydraulic	100-100 30-200	21-22
RT	Single-Acting	Spring	17.5-100	23-24
RGG	Single-Acting	Load	55-600	25-28
RDG	Double-Acting	Hydraulic	55-600	29-32
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R	Single-Acting Double-Acting	Spring Hydraulic	55-565 100-565	35-36
RC_C RC_D	Single-Acting Double-Acting	Load Hydraulic	740-1220 740-1220	37-38
RA_L R_L	Single-Acting, Locking	Load	55-100 55-565	39-40
RC_P	Single-Acting, Locking	Load	55-620	41
RC_L Series	Single-Acting, Locking	Load	740-1220	42

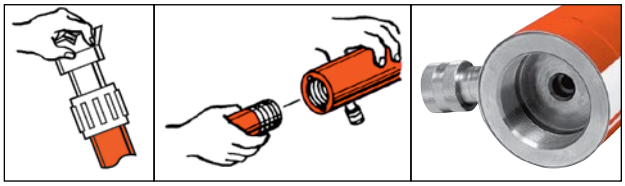
Model Shown:
C55CBT, C2514CBT

Features

THREADED PISTON ROD END AND BASE THREADS ACCOMMODATE ACCESSORIES AND ADAPTERS.

- Threaded cylinder collars, piston rod ends, and internal base threads simplify mounting.
- A 9796 3/8" NPTF female half coupler is standard with each cylinder. Oil port threads are 3/8" NPTF.
- Removable threaded rod cap.
- Factory accessories are do not de-rate tonnage.
- Complies with ANSI / ASME B30.1 Safety Standards.

Versatility and fixturing capabilities

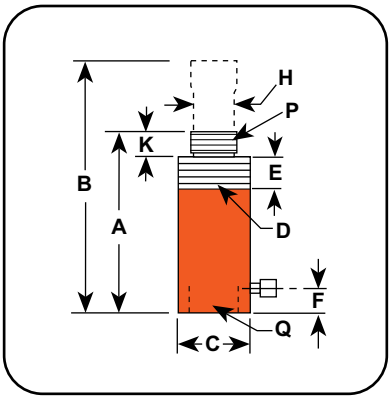


Analog Gauges

Improve your system visibility and safety by adding an inline hydraulic gauge to your circuit.

9440 (2.5 in.), **9052** (4 in.), and **9089** (6 in.)

Technical Dimensions



Ordering Information

Cyl. Cap. (tons)	Stroke (in.)	Order No.	Oil Cap. (cu. in.)	A Retracted Height (in.)	B Extended Height (in.)	C Outside Dia. (in.)	D Collar Thread (in.)	E Collar Thread Length (in.)	F Base to Port (in.)	H Piston Rod Dia. (in.)	K Piston Rod Protrusion (in.)	P Piston Rod Thread (NPT)	Q Internal Base Thread (NPSM) (in.)	Bore Dia. (in.)	Cylinder Effective Area (sq. in.)	Int. Press. at Cap. (psi)	Tons at 10,000 (tons)	Prod. Wt. (lbs.)
5	5.25	C55CBT	5.25	10.50	15.75	1.50	1 1/2–16	1.13	1.88	1.00	1.13	3/4–14	3/4–14	1.13	0.99	10,061	4.97	4.40
10	6.13	C106CBT	13.90	11.50	17.63	2.25	2 1/4–14	1.13	1.69	1.50	1.06	1 1/4–11.5	1 1/4–11.5	1.69	2.24	8,948	11.20	10.30
	10.13	C1010CBT	22.90	15.50	25.63	2.25	2 1/4–14	1.13	1.69	1.50	1.06	1 1/4–11.5	1 1/4–11.5	1.69	2.24	8,948	11.20	13.90
25	6.25	C256CBT	32.20	13.38	19.63	3.38	3 5/16–12	1.94	1.88	2.25	1.88	2–11.5	2–11.5	2.56	5.16	9,699	25.80	24.60
	14.25	C2514CBT	73.50	21.38	35.63	3.38	3 5/16–12	1.94	1.88	2.25	1.88	2–11.5	2–11.5	2.56	5.16	9,699	25.80	40.20