Technical Specification

The Edbro CD Series of multi-telescopic, double acting cylinders are used for a wide range of applications. Typical operations are ejector trailers and refuse collection vehicles.

These hydraulic cylinders have been designed and manufactured exclusively in the UK at Edbro using the latest manufacturing technology and the highest performance materials to ensure optimum product quality. Every cylinder is individually tested prior to despatch.

	Tube diameter (mm)	222	198	176	155	136	117	98	79
	Piston diamter (mm)	230	206.5	184.5	163	144	125	106	87.5
Extend	Thrust area (cm2)	415.5	334.9	267.4	208.7	162.9	122.7	88.25	60.13
	Thrust @ 190 bar (Tonnes)	80.47	64.87	51.78	40.42	31.54	23.77	17.09	11.65
	Thrust @ 150 bar	63.53	51.12	40.88	31.91	24.9	18.76	13.49	9.19
Retract	Thrust area (cm2)	28.4	27	24.1	20	17.6	15.2	12.8	11.1
	Thrust @ 190 bar (Tonnes)	5.5	5.23	4.66	3.87	3.41	2.94	2.48	2.15
	Thrust @ 150 bar	4.34	4.13	3.68	3.06	2.69	2.32	1.96	1.7

Model Code	MWP (Bar)	Stages								
CD10	190	2							■	■
CD11	190	2						■	■	
		3						■	■	■
CD13	190	2					■	■		
		3					■	■	■	
		4					■	■	■	■
CD15	190	2				■	■			
		3				■	■	■		
		4				■	■	■	■	
		5				■	■	■	■	■
CD17	190	2			■	■				
		3			■	■	■			
		4			■	■	■	■		
		5			■	■	■	■	■	
CD19	190	3		■	■	■				
		4		■	■	■	■			
		5		■	■	■	■	■		
		6		■	■	■	■	■	■	
		7		■	■	■	■	■	■	■
CD22	190	6	■	■	■	■	■	■		
		7	■	■	■	■	■	■	■	
		8	■	■	■	■	■	■	■	■

Technical Status 08/2021 *Subject to change without prior notice*

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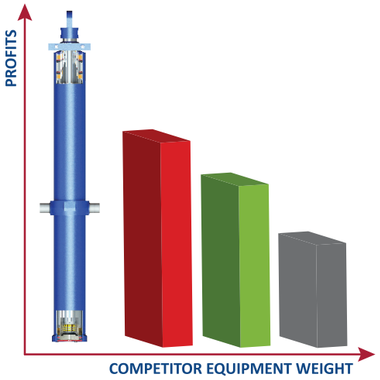
Edbro

CD Series

Double acting telescopic ejector cylinders for waste handling applications worldwide

Benefits



Lighter

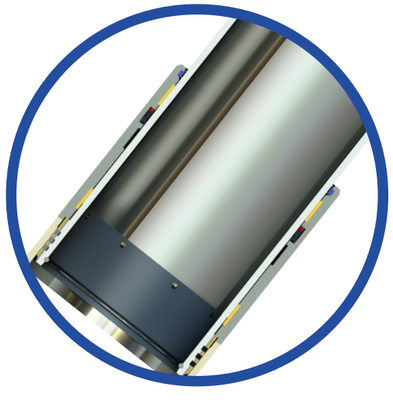
Increased Payloads

Lightweight tube technology increases payload and so increases operating profits.

Faster

Faster Ejecting Speeds

One-piece tube construction and increased tube contact faces allow faster cycle times.



Stronger

Increased Push & Side Load Capacity

Advanced design and production engineering techniques, including laser welding, provide greater push force and increased side load resistance.

Features

Double lip wiper seal ensures efficient lubrication of each tube and prevents contamination of the cylinder.

Unique 5 point sealing system reduces friction for years of smooth, trouble-free operation.

Double main seal arrangement provides extra low pressure leakage protection and ensures years of leak free operation.

Wear rings made from non-metallic, acetal material provide low friction and long service life.

One-piece tubes with large stop contact faces provide optimum durability for long life and reduced maintenance.

Brass slider reduces risk of scoring and damage due to side load.

Triple cast iron piston rings on each stage provide the ultimate reliability in double acting sealing.