Ultra High Pressure Single-Acting Cylinders **UR Series Series**

Capacity: 25 to 150 tons. Stroke: 1.97" - 7.87".

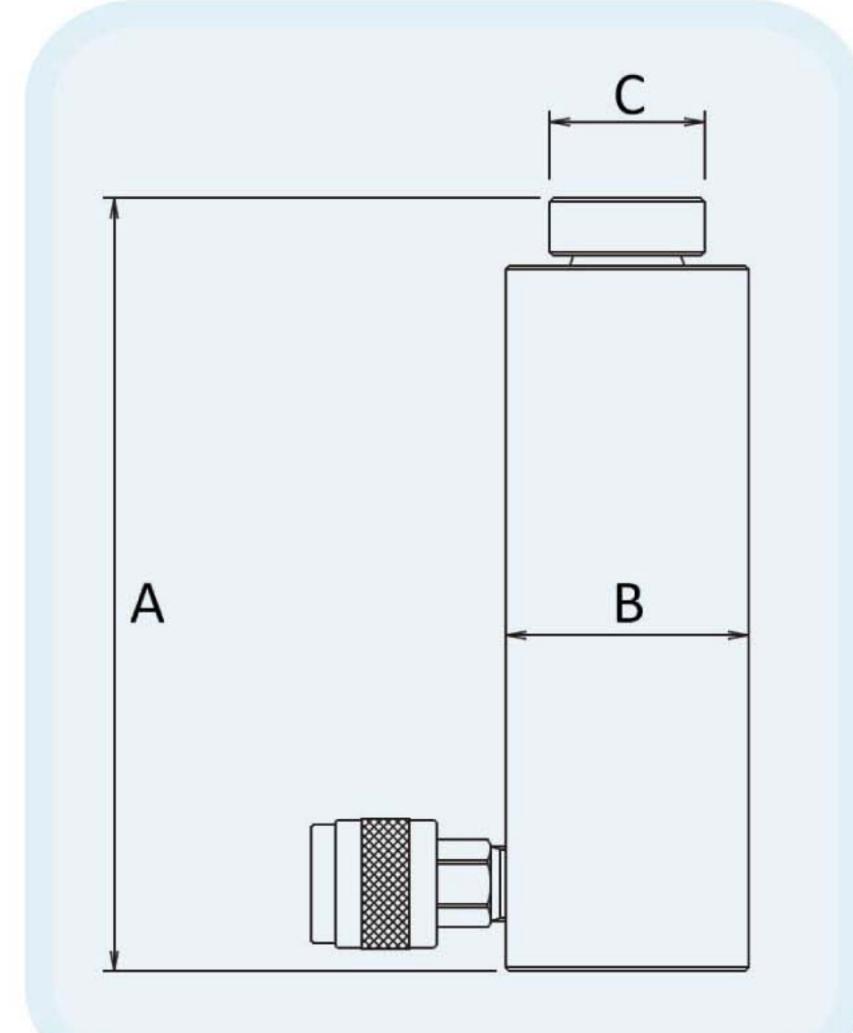
Max. Operating Pressure: 30,000 psi.



The ultra high pressure single-acting cylinders offer lighter weight and higher efficiency due to their higher operating pressures excellent replacement cylinders for tight spaces and in situations where weight is critical. These units can be found operating in nuclear power plants, diamond processing plants and shipyards around the world.

Features

- 1. Manufactured from extremely high strength lighweight alloy to endure high operating pressures while keeping weight to the bare minimum.
- 2. Hard chrome plated ram to endure harsh environments and extend cylinder useful life.
- 3. Designed with high lateral load tolerance of up to 50% of lifting capacity.
- 4. Single acting with spring return design perfect for lifting applications and to cut down cost utilizing more economical single acting pumps.
- 5. Larger units are equipped with carrying handles to ease transport and placement of cylinders.



Model Number	Stroke (in)	Oil Capacity (in³)	Cylinder Effective Area (in²)	Collapsed Height (in)	Outside Dia. (in)	He ad Dia. (in)	Ship Weight
				Α	В	С	(lbs)
25 Ton Capacity							
UR-25S5	1.97	4.02	2.05	6.69	2.83	1.81	12
UR-25S10	3.94	8.05	2.05	9.06	2.83	1.81	16
30 Ton Capacity							
UR-30S5	1.97	4.88	2.46	6.69	3.35	1.96	18
50 Ton Capacity					12		
UR-50S5	1.97	7.81	4.10	7.48	3.94	2.44	25
UR-50S10	3.94	16.17	4.10	10.24	3.94	2.44	34
UR-50S20	7.87	32.34	4.10	14.96	3.94	2.44	49
75 Ton Capacity							
UR-75S5	1.97	11.77	5.96	7.87	4.41	2.95	34
100 Ton Capacity	/						
UR-100S5	1.97	15.38	7.79	7.87	5.00	3.35	38
UR-100S10	3.94	30.70	7.79	11.02	5.12	3.35	58
UR-100S20	7.87	61.63	7.79	16.54	5.12	3.35	90
150 Ton Capacity							
UR-150S5	1.97	24.00	12.17	9.06	6.30	4.13	72

Ultra High Pressure Double-Acting Cylinders **URD Series**

Capacity: 30 to 500 tons. Stroke: 1.97" - 7.87".

URD-50H15

Max. Operating Pressure: 30,000 psi.



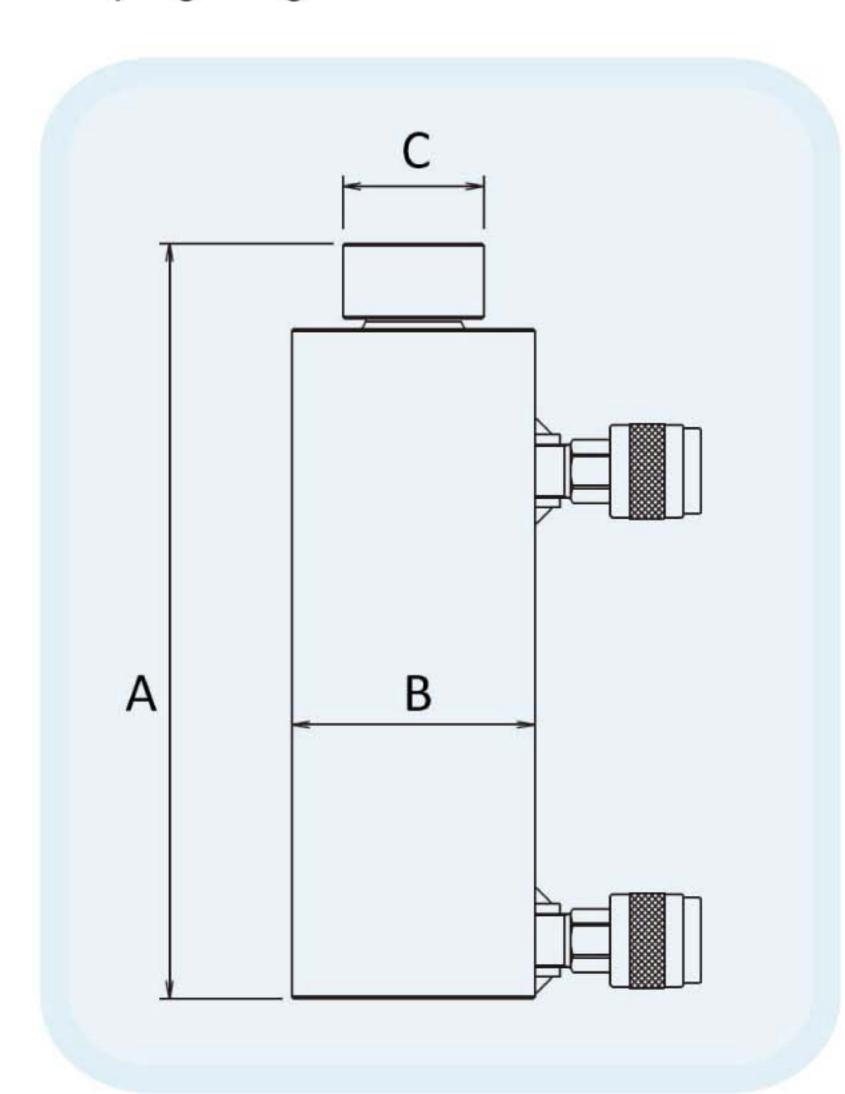
URD-100H15

Usage

The ultra high pressure double-acting cylinders offer lighter weight and higher efficiency due to their higher operating pressures excellent replacement cylinders for tight spaces and in situations where weight is critical. These units can be found operating in nuclear power plants, diamond processing plants and shipyards around the world.

Features

- 1. Manufactured from extremely high strength lighweight alloy to endure high operating pressures while keeping weight to the bare minimum.
- 2. Hard chrome plated ram to endure harsh enviroments and extend cylinder useful life.
- 3. Designed with high lateral load tolerance of up to 50% of lifting capacity.
- 4. Double acting design increases controllability of cylinders allowing smooth operation of equipment.
- 5. Larger units are equipped with carrying handles to ease transport and placement of cylinders.



Model	Stroke	Oil Capacity	Cylinder Effective Area	Collapsed Height (in)	Outside Dia. (in)	Head Dia. (in)	Ship Weight
Number	(in)	(in³)	(in²)	Α	В	С	(lbs)
30 Ton Capacity							
URD-30H10	3.94	9.76	2.46	9.45	3.35	1.77	20
50 Ton Capacity							
URD-50H15	5.91	24.40	4.10	12.20	3.94	2.28	38
75 Ton Capacity							
URD-75H15	5.91	35.40	5.96	13.00	4.41	2.75	54
100 Ton Capacity							
URD-100H10	3.94	30.70	7.79	11.42	5.00	3.15	56
URD-100H15	5.91	46.02	7.79	13.39	5.00	3.15	62
150 Ton Capacity							
URD-150H10	3.94	48.00	12.17	12.60	6.30	3.94	98
URD-150H15	5.91	72.00	12.17	14.57	6.30	3.94	115
200 Ton Capacity							
URD-200H5	1.97	31.73	16.10	11.42	7.28	4.53	125
URD-200H10	3.94	63.46	16.10	13.39	7.28	4.53	147
URD-200H15	5.91	95.20	16.10	15.35	7.28	4.53	167
URD-200H20	7.87	128.15	16.10	17.32	7.28	4.53	190
250 Ton Capacity							
URD-250H20	7.87	162.32	20.57	17.52	8.27	5.12	235
300 Ton Capacity							
URD-300H20	7.87	187.95	23.86	18.11	8.86	5.51	280
500 Ton Capacity							
URD-500H20	7.87	311.22	39.44	21.26	11.42	6.70	540