DAC Series

Single-Acting

Aluminum Cylinder
Spring return

Capacity:
20-150 ton

Stroke:
50-200 mm

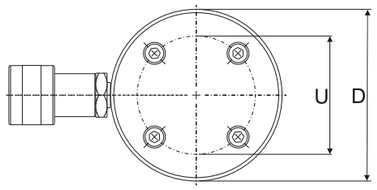
Maximum Operating Pressure:
700 bar

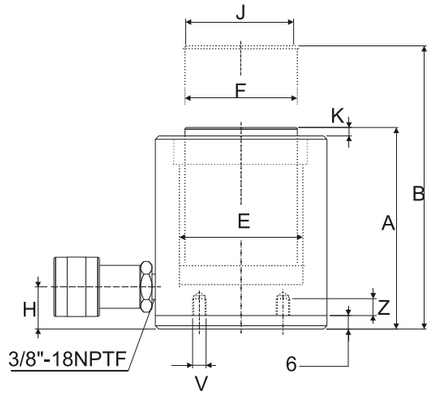
DAC-304

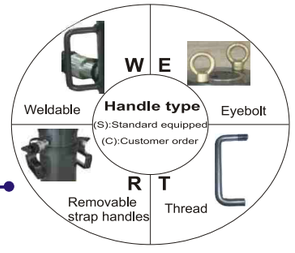
DAC-504

DAC Single-Acting, Aluminum Cylinders

- Lightweight, aluminum design for maximum portability.
- 7075-T6 Aluminum alloy components for maximum strength and minimum weight.
- Steel baseplate and saddle for protection against load-induced damage.
- Anodizing treatment plunger, surfaces and inner of barrel resists damage and extends cylinder life.
- Maximum sized springs speed piston return and increase spring life.
- Composite bearings prevent metal-to-metal contact,increasing cylinder life and resistance to side-load.
- Stop ring for piston blow-out protection.
- DQC-3/8UF coupler and dust cap are included on all models.







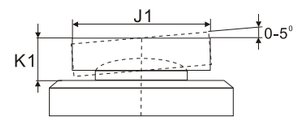
Handle type (S)	Model Number
	DAC-202
T	DAC-204
T	DAC-206
T	DAC-302
T	DAC-304
T	DAC-306
T	DAC-502
T	DAC-504
T	DAC-506
T	DAC-1004
T	DAC-1006
T	DAC-1008
T	DAC-1506

Aluminum vs. Steel

Aluminum different from steel in that it has a lower finite fatigue life. This means aluminum cylinders should not be used in high-cycle applications such as production.
The **DURAJACK** line of aluminum cylinders are designed to provide 5,000 cycles at their recommended pressure. This limit should not be exceeded. In normal lifting and many maintenance applications, this should provide a lifetime of use.

Steel Base Plate

- The steel base plate protects the cylinder base from damage, it should not be removed.
- Do not use the base holes in these aluminum cylinders to attach any device to the cylinder.



Optional Bolt Tilt Saddle Dimensions (mm)

Cylinder Model/Cap. (ton)	Model Number	Saddle Diameter J1	Saddle Protrusion from Base K1
DAC-50	DXKCATRAC-50	50.0	25.9
DAC-100	DXKCATRAC-100	91.2	33.0
DAC-150	DXKCATRAC-150	118.1	37.0

Steel Base Plate Mounting Holes

Cylinder Model/ Capacity (ton)	Bolt Circle U (mm)	Thread V (mm)	Thread Depth Z (mm)
DAC-20	70.0	M6	12
DAC-30	80.0	M6	12
DAC-50	110.0	M6	12
DAC-100	160.0	M6	12
DAC-150	200.0	M6	12

*Including Base Plate Height of 6mm.
*4 base plate bolts:M6X1.0X0.24

Saddle

All DAC-Series are equipped with removable saddles of hardened steel.

Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	Collapsed Height A (mm)	Extended Height B (mm)	Outside Diam. D (mm)	Cylinder Bore Diam. E (mm)	Plunger Diam. F (mm)	Base to Adv. Port H (mm)	Saddle Diam. J (mm)	Saddle Protrusion from Plngr. K (mm)	Weight (kg)
20 (218)	50	31.2	156	174	224	85	63	50	27	40	3	3.6
	100	31.2	312	224	324	85	63	50	27	40	3	4.1
	150	31.2	468	274	424	85	63	50	27	40	3	4.6
30 (309)	50	44.2	221	181	231	100	75	60	33	40	3	4.5
	100	44.2	442	231	331	100	75	60	33	40	3	5.2
	150	44.2	663	281	431	100	75	60	33	40	3	5.9
50 (496)	50	70.9	354	186	236	130	95	80	30	50	3	8.5
	100	70.9	709	236	336	130	95	80	30	50	3	9.8
	150	70.9	1063	286	436	130	95	80	30	50	3	11.1
100 (1002)	100	143.1	1431	271	371	188	135	110	46	94	3	19.6
	150	143.1	2147	321	471	188	135	110	46	94	3	21.9
	200	143.1	2863	371	571	188	135	110	46	94	3	24.2
150 (1589)	150	227.0	3405	343	493	230	170	140	51	113	3	33.3