DLP Series

Single-Acting

Pancake Lock Nut Cylinder
Load return

Capacity:
60-520 ton

Stroke:
45-50 mm

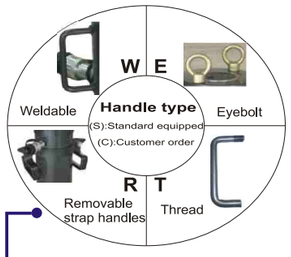
Maximum Operating Pressure:
700 bar

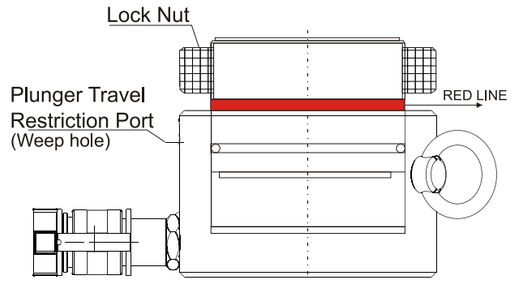
DLP Single-Acting, Pancake Lock Nut Cylinders

- Flat design for use in confined area.
- Special coating on piston and stop ring improves corrosion and abrasion resistance.
- Safety lock nut for mechanical load holding.
- Integral tilt saddle standard improves performance under side load.
- Overflow port functions as a stroke limiter.
- Single-acting load return.
- Powder coat finish for increased corrosion resistance and antirust.
- DQB-3/8UF coupler and dust cap are included on all models.

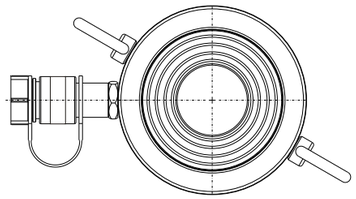
DLP-1002

DLP-602





Plunger show at maximum extension



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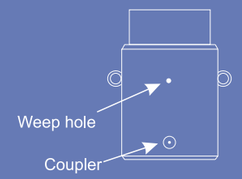

Apply to Single-acting, High tonnage cylinder DLP, DLL and DLS series

When stroke limit is reached; overflow port ("weep hole") spurt oil to prevents piston from being overextended.

Saddle

All DLP-Series include integral tilt saddles with maximum tilt angles up to 5°.

Control Valve

Fitting needle valve such as DV-82 is used to control cylinder speed during lifting and lowering. (See DV-Series)

Handle type	Model Number	Cylinder Capacity	Stroke	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height
(S)		ton (kN)	(mm)	(cm^2)	(cm^3)	A (mm)	B (mm)
E	**DLP-602**	60 (606)	50	86.6	432	125	175
E	**DLP-1002**	100 (1027)	50	146.8	734	137	187
E	**DLP-1602**	160 (1619)	45	231.3	1040	148	193
E	**DLP-2002**	200 (1999)	45	285.6	1285	155	200
E	**DLP-2502**	260 (2567)	45	366.8	1650	159	204
E	**DLP-4002**	400 (3916)	45	559.5	2517	178	223
E	**DLP-5002**	520 (5114)	45	730.6	3287	192	237

Outside Diameter	Cyl. Bore Diameter	Plunger Diameter	Base to Advance Port	Saddle Diameter	Saddle Protrusion from Plngr.	Saddle Max. Tilt Angle	Lock Nut Height	Weight
D (mm)	E (mm)	F (mm)	H (mm)	J (mm)	K (mm)	R	S (mm)	(kg)
140	105.0	Tr104X4	19	96	6	5°	28	15
175	136.7	Tr136X6	21	126	8	5°	31	26
220	171.6	Tr171X6	27	160	9	5°	40	44
245	190.7	Tr190X6	30	180	10	5°	43	57
275	216.1	Tr216X6	32	200	11	5°	44	74
350	266.9	Tr266X6	39	250	11	4°	55	134
400	305.0	Tr305X6	48	290	10	3°	62	189