

DSM SERIES

Single-Acting, Low Clearance Flat Cylinders

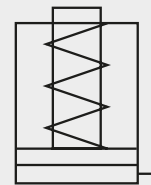
- Seamless compact design ideal for tight constraint applications.
- Mounting holes allows easy fixturing.
- Grooved piston top prevents any load from sliding onto the piston.
- Hard chrome plated piston rod and inner cylinder barrel resists wear and corrosion.
- Increased durability with solid steel cylinder body.
- Maximum sized springs speed piston return and increase spring life.
- Stop ring for piston blow-out protection.
- Powder-coated nitride finishing for increased corrosion resistance and antirust features.
- 3/8" NPTF female coupler and dust cap included for all models.



DSM-100



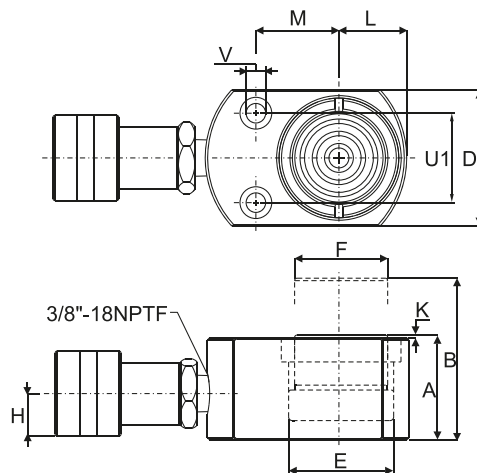
DSM-300



Single-Acting

Low Height, Flat Cylinder
Spring return

Capacity	5-150 ton
Stroke	6-16 mm
Maximum Operating Pressure	700 bar



Handle Type

(S) - Standard equipped
(C) - Customer order



Weldable



Eyebolt

Removable
strap handles

Thread

Handle type	Model Number	Cylinder Capacity	Stroke	Cylinder Effective Area	Oil Cap.	Collapsed Height	Extended Height	Outside Diameter	Cylinder Bore Diam.	Plunger Diam.
(S)		ton (kN)	(mm)	(cm ²)	(cm ³)	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)
	DSM-50	5 (45)	6	6.5	4	32	38	58 x 41	28.7	25.4
	DSM-100	10 (101)	12	14.5	18	43	54	82 x 55	42.9	38.1
	DSM-200	20 (201)	11	28.7	32	51	62	101 x 76	60.5	50.8
	DSM-300	30 (295)	13	42.1	55	58	71	117 x 95	73.2	63.4
	DSM-500	45 (435)	16	62.1	99	66	82	140 x 114	88.9	69.8
W	DSM-750	75 (718)	16	102.6	164	79	95	165 x 139	114.3	82.6
W	DSM-1000	90 (887)	16	126.7	203	85	101	178 x 153	127.0	92.2
W	DSM-1500	150 (1386)	16	198.1	317	100	116	215 x 190	158.8	114.3



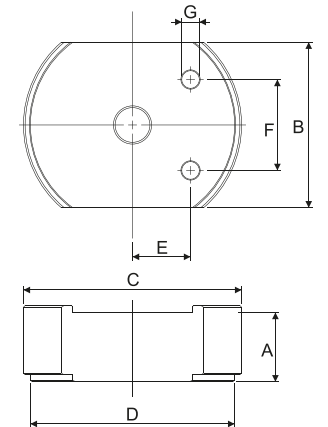
DSM-1000



DSM-50

DSM Series Accessories

- Various height magnetic adaptors.
- Perfect for low clearance areas needing a little height boost.



Maximum working pressure 10000psi/ 700bar

Accessories Number	Cylinder Model	Cylinder Height		Adapter Dimension								Weight (kg)
				A		B	C	D	E	F	G	
		(in)	(mm)	(in)	(mm)	(in/mm)	(in/mm)	(in/mm)	(in/mm)	(in/mm)	(in/mm)	
DXKSM5-6	DSM-50	1.25	32.0	0.1	6.4							0.1
DXKSM5-12				0.5	12.7	1.6 / 41.4	2.5 / 64.7	2.3 / 58.7	0.5 / 13.6	1.1 / 28.5	0.2 / 5.1	0.2
DXKSM5-25				1.0	25.4							0.5
DXKSM5-31				1.3	31.8							0.6
DXKSM10-9	DSM-100	1.69	43.0	0.4	9.9	2.2 / 55.6	3.6 / 90.6	3.3 / 82.6	0.8 / 20.5	1.4 / 36.6	0.3 / 7.1	0.3
DXKSM10-20				0.8	20.0							0.7
DXKSM10-39				1.6	39.9							1.4
DXKSM20-9	DSM-200	2.00	51.0	0.4	9.9	3.0 / 76.2	4.3 / 109.6	4.0 / 101.6	1.1 / 28.4	1.9 / 49.3	0.4 / 10.1	0.6
DXKSM20-20				0.8	20.0							1.1
DXKSM20-39				1.6	39.9							2.2
DXKSM30-9	DSM-300	2.28	58.0	0.4	9.9	3.8 / 95.3	4.9 / 125.6	4.6 / 117.6	1.3 / 33.4	2.1 / 52.3	0.4 / 10.1	0.8
DXKSM30-20				0.8	20.0							1.6
DXKSM30-39				1.6	39.9							3.2

Base to Adv. Port	Plunger Protrusion from Base	Plunger to Base	Plunger to Mtg. Hole	Weight	Base Mounting Hole				Model Number
					Hole Pitch	Hole Diam.	Counter Bore Diam.	Counter Bore Depth	
H (mm)	K (mm)	L (mm)	M (mm)	(kg)	U1 (mm)	V (mm)	(mm)	(mm)	
16	1	20	22	1.0	28.5	5.5	7.9	4.3	DSM-50
19	1	27	34	1.4	36.6	7.1	10.7	7.9	DSM-100
19	1	39	39	3.1	49.3	10.0	15.1	9.9	DSM-200
19	2	47	44	4.5	52.3	10.0	15.9	11.2	DSM-300
19	2	57	53	6.8	66.5	11.9	19.0	12.7	DSM-500
19	2	69	66	11.3	76.2	13.5	20.6	14.2	DSM-750
19	2	76	74	14.5	76.2	13.5	20.6	14.2	DSM-1000
23	2	95	82	26.3	117.3	13.5	20.6	14.2	DSM-1500