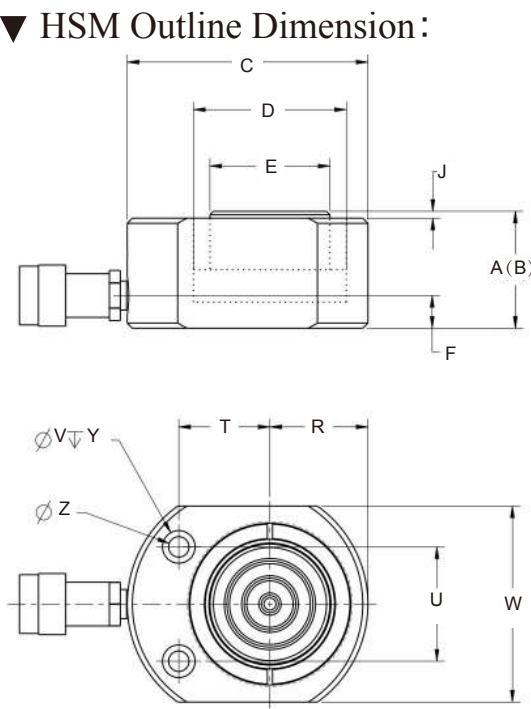


▼ HSM/HCS Single-Acting Low-Height Cylinders



Rated Pressure: 70MPa
Rated Tonnage: 5-150ton
Stroke Range: 6-62mm



- HSM Series, Ultra-Thin Hydraulic Cylinders:
- Compact and flat design for applications where other hydraulic cylinders are not suitable.
 - HSM750/1000/1500 models are equipped with handles for easy carrying.
 - Mounting holes enable convenient fixing.
 - All models are fitted with CEJN quick-threaded couplings and dust caps.
 - All components undergo gas nitriding and post-oxidation processes to enhance hardness.
 - No saddle is required on the end face of the grooved plunger.
 - Single-acting, spring-retracted.

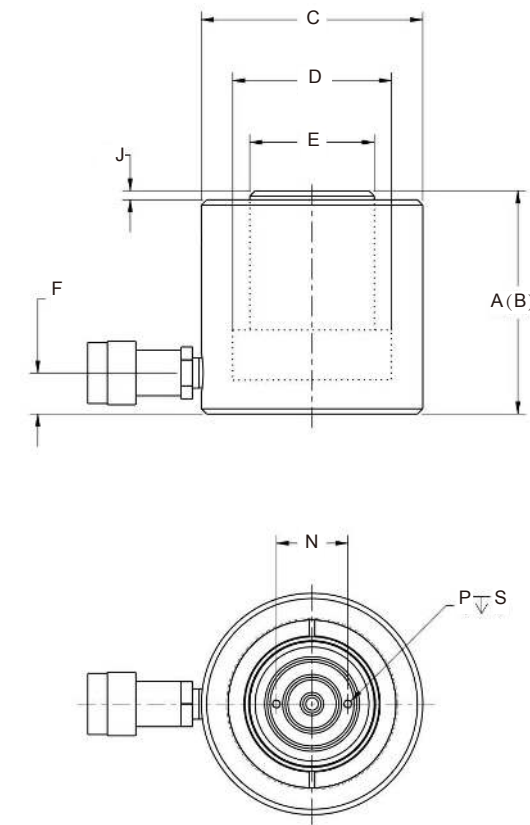
- HCS Series, Low-Height Hydraulic Cylinders:
- Low-weight and compact design for narrow working spaces.
 - Painted surface enhances corrosion resistance.
 - Dust seals reduce contamination and extend the service life of the hydraulic cylinder.
 - All models are fitted with CEJN quick-threaded couplings and dust caps.
 - The threaded hole on the top of the grooved plunger can be used for installing inclined saddles.
 - HCS-1002 model is equipped with a handle for easy carrying.
 - All components undergo gas nitriding and post-oxidation processes to enhance hardness.
 - Single-acting, spring-retracted.

RSM Cylinders Mounting Hole Diameter Dimensions				
Model	Bolt Circle Diameter U(mm)	Hole Diameter Z (mm)	Counterbore Diameter V(mm)	Counterbore Length Y(mm)
HSM50	28.5	5.5	9.1	4.3
HSM100	36.6	7.1	10.7	7.9
HSM200	49.3	10	15.1	9.9
HSM300	52.3	10	15.9	11.2
HSM500	66.5	11	19	12.7
HSM750	76.2	13.5	20.6	14.2
HSM1000	76.2	13.5	20.6	14.2
HSM1500	117.3	13.5	20.6	14.2

Load Capacity ton (kN)	Model	Stroke (mm)	Effective Area of Cylinder (cm²)	Hydraulic Oil Capacity (cm³)		Collapsed Height A (mm)	Height B (mm)	Outer Diameter C (mm)	Inner Diameter D (mm)	Piston Rod Diameter E (mm)	Oil Inlet Height from Bottom F (mm)	Piston Protusion Height J (mm)	Distance T (mm)	Distance R (mm)	Thread P (mm)	Thread Depth S (mm)	Thread Circle Diameter N (mm)	Weight (kg)	Model
5(45)	HSM50	6	6.5	4		32	38	58X41	28.7	25.4	16	1	22X28.5	20	-	-	-	1.0	HSM50
10(101)	HSM100	11	14.5	18		43	54	82X55	42.9	38.1	19	1	34X36.6	27	-	-	-	1.4	HSM100
20 (201)	HSM200	11	28.7	32		51	62	101X76	60.5	50.8	19	1	39X49.3	39	-	-	-	3.1	HSM200
30 (295)	HSM300	13	42.1	55		58	71	117X95	73.2	63.4	19	2	44X52.3	47	-	-	-	4.5	HSM300
45 (435)	HSM500	16	62.1	99		66	82	140X114	88.9	69.8	19	2	53X66.5	57	-	-	-	6.8	HSM500
75(718)	HSM750	16	102.6	164		79	95	165X139	114.3	82.6	19	2	66X76.2	69	-	-	-	11.3	HSM750
90 (887)	HSM1000	16	126.7	203		85	101	177X153	127	92.2	19	2	74X76.2	76	-	-	-	14.5	HSM1000
150 (1386)	HSM1500	16	198.1	317		100	116	215X190	158.8	114.3	23	2	82X117.3	95	-	-	-	26.3	HSM1500
10(101)	HCS101	38	14.5	55		88	126	69	42.9	38.1	17	5	-	-	M4	8	26	2.7	HCS101
20 (201)	HCS201	45	28.7	129		98	143	92	60.5	50.8	17	3	-	-	M5	8	40	5.0	HCS201
30 (295)	HCS302	62	42.1	261		117	179	101	73.2	66.5	17	3	-	-	M5	8	40	6.8	HCS302
45 (435)	HCS502	60	62.1	373		122	182	124	88.9	69.8	23	2	-	-	M5	8	40	10.0	HCS502
90 (887)	HCS1002	57	126.7	722		141	198	165	127	92.2	31	1	-	-	M8	10	55	20.7	HCS1002

▼ HCS Outline Dimension :

▼ HCS Outline Dimension :



All components undergo surface treatment using gas nitriding and post-oxidation processes to provide superior anti-corrosion performance.High longevity and hardness ensure the wide applicability of hydraulic cylinders.

Dust seal, preventing external impurities from entering the interior of the cylinder and causing contamination or damage.

Stop ring for absorbing overload and preventing piston overtravel.

High-pressure seal to achieve zero internal leakage in the hydraulic system, reducing wear and extending service life.

Powerful spring for rapid return stroke.

The exhaust port expels air, preventing air resistance from causing jerky motion and noise, and ensuring stable operation of the hydraulic system.

The Swedish CEJN coupler and dust cap ensure safety throughout.

All components undergo surface treatment using gas nitriding and post-oxidation processes to provide superior anti-corrosion performance.High longevity and hardness ensure the wide applicability of hydraulic cylinders.

Dust seal, preventing external impurities from entering the interior of the cylinder and causing contamination or damage.

Stop ring for absorbing overload and preventing piston overtravel.

High-pressure seal to achieve zero internal leakage in the hydraulic system, reducing wear and extending service life.

Powerful spring for rapid return stroke.

The exhaust port expels air, preventing air resistance from causing jerky motion and noise, and ensuring stable operation of the hydraulic system.

The Swedish CEJN coupler and dust cap ensure safety throughout.