HSS | SINGLE ACTING MULTI-PURPOSE CYLINDERS



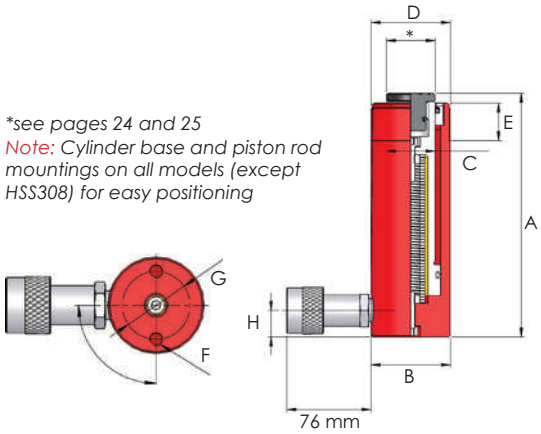
Capacities from 4.5 to 109 tonnes

Stroke lengths from 25 to 457 mm

Working pressure 700 bar

- Single acting, spring assisted return
- Nitrocarburised piston rod for corrosion resistance
- Low friction bearing surfaces
- Anti-extrusion seals for improved performance at high pressures
- Collar threads withstand full load
- Grooved saddles fitted as standard on all models
- Optional piston rod saddles listed on pages 24 and 25
- Customised and special design cylinders are available on request

*see pages 24 and 25
Note: Cylinder base and piston rod mountings on all models (except HSS308) for easy positioning



Model number	Capacity (tonnes)	Stroke (mm)	Oil capacity (cm^3)	Cylinder eff. area (cm^2)	Weight (kg)	Dimensions (mm) *(unless otherwise stated)*							
						A	B	C	D	E	F	G	H
HSS51	4.5	25	16	6.4	1.0	107	38	24	1 ½"-16 UN	28	M6	25	19
HSS52	4.5	50	32	6.4	1.2	132	38	24	1 ½"-16 UN	28	M6	25	19
HSS53	4.5	75	48	6.4	1.4	157	38	24	1 ½"-16 UN	28	M6	25	19
HSS54	4.5	100	64	6.4	1.5	182	38	24	1 ½"-16 UN	28	M6	25	19
HSS55	4.5	125	80	6.4	1.8	207	38	24	1 ½"-16 UN	28	M6	25	19
HSS57	4.5	176	113	6.4	2.0	258	38	24	1 ½"-16 UN	28	M6	25	19
HSS59	4.5	227	146	6.4	2.4	308	38	24	1 ½"-16 UN	28	M6	25	19
HSS101	10	25	36	14.4	1.8	100	57	35	2 ¼"-14 UN	27	M8	40	19
HSS102	10	56	81	14.4	2.4	131	57	35	2 ¼"-14 UN	27	M8	40	19
HSS104	10	100	144	14.4	3.0	175	57	35	2 ¼"-14 UN	27	M8	40	19
HSS106	10	150	217	14.4	4.2	225	57	35	2 ¼"-14 UN	27	M8	40	19
HSS108	10	206	297	14.4	5.0	281	57	35	2 ¼"-14 UN	27	M8	40	19
HSS1010	10	250	361	14.4	5.4	325	57	35	2 ¼"-14 UN	27	M8	40	19
HSS1012	10	305	440	14.4	6.2	379	57	35	2 ¼"-14 UN	27	M8	40	19
HSS152	14.5	50	101	20.3	3.4	154	70	41	2 ¾"-16 UN	39	M10	48	19
HSS154	14.5	100	203	20.3	5.0	204	70	41	2 ¾"-16 UN	39	M10	48	19
HSS156	14.5	150	304	20.3	6.6	254	70	41	2 ¾"-16 UN	39	M10	48	19
HSS158	14.5	203	412	20.3	7.3	307	70	41	2 ¾"-16 UN	39	M10	48	19
HSS1510	14.5	250	507	20.3	8.8	354	70	41	2 ¾"-16 UN	39	M10	48	19
HSS252	25	51	178	34.9	6.5	174	86	54	3 5/16"-12 UN	49	M12	60	25
HSS254	25	102	356	34.9	8.0	225	86	54	3 5/16"-12 UN	49	M12	60	25
HSS256	25	150	524	34.9	9.6	273	86	54	3 5/16"-12 UN	49	M12	60	25
HSS258	25	203	709	34.9	11.2	324	86	54	3 5/16"-12 UN	49	M12	60	25
HSS2510	25	250	874	34.9	12.6	374	86	54	3 5/16"-12 UN	49	M12	60	25
HSS2514	25	356	1242	34.9	16.8	480	86	54	3 5/16"-12 UN	49	M12	60	25
HSS2518	25	457	1597	34.9	21.4	611	86	54	3 5/16"-12 UN	49	M12	60	25
HSS308	29	205	860	41.9	18.6	374	102	57	3 5/16"-12 UN	50	-	-	50
HSS502	50	51	364	71.3	13.0	150	127	79	5"-12 UN	55	M12	85	20
HSS504	50	102	728	71.3	16.8	201	127	79	5"-12 UN	55	M12	85	20
HSS506	50	152	1084	71.3	20.0	251	127	79	5"-12 UN	55	M12	85	20
HSS508	50	203	1448	71.3	23.2	302	127	79	5"-12 UN	55	M12	85	20
HSS5013	50	330	2354	71.3	33.6	429	127	79	5"-12 UN	55	M12	85	20
HSS756	73	152	1561	102.7	31.0	272	146	95	5 ¾"-12 UN	45	M12	115	32
HSS1004	109	102	1565	153.4	41.6	223	185	114	6 7/8"-12 UN	50	M12	146	32
HSS1006	109	153	2347	153.4	49.8	274	185	114	6 7/8"-12 UN	50	M12	146	32
HSS10010	109	254	3896	153.4	65.5	375	185	114	6 7/8"-12 UN	50	M12	146	32

Note: If specifying this cylinder for use with the SLF and SLV synchronous lifting systems and associated mounting kit, please consider the increase in dimension A (closed height), see pages 44 and 48.