

HYDRAULIC JACKS CYLINDERS



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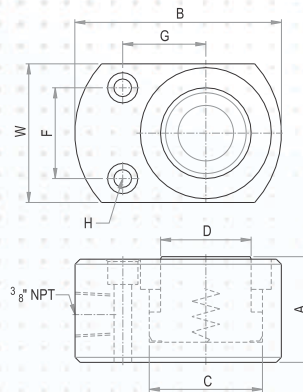


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HYDRAULIC JACKS / CYLINDERS



FLAT / BUTTON JACKS Plain Ram, Single Acting, Spring Return



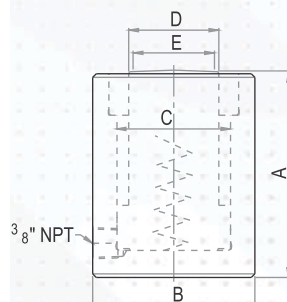
FEATURES :

- ▶ Compact & flat design suitable where clearance is minimum for hold the jack
- ▶ High strength, heat treated alloy steel body for better life.
- ▶ Hard chrome plated ram to resist scoring & Corrosion.
- ▶ Mounting holes for easy fixturing
- ▶ Stacking plate to increase closed height is optional
- ▶ Use in Heavy equipment lifting, alignment & clamping
- ▶ Ensure no gap between jack & load to be lifted, to utilize full stroke

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	A/F W (mm)	Weight (Kgs.)
9TFC-50	5	8	8.0	6	35	60	32	20	45	0.6
9TFC-100	10	12	15.9	19	45	80	45	35	60	1.3
9TFC-200	20	12	31.2	37	55	100	63	50	80	2.6
9TFC-300	30	12	44.2	53	60	115	75	60	95	3.8
9TFC-500	50	16	78.5	126	65	140	100	70	120	6.2
9TFC-750	75	16	113.1	180	80	175	120	85	145	11.8
9TFC-1000	100	16	153.9	247	85	190	140	100	165	15.1
9TFC-1500	150	16	227.0	363	100	230	170	120	205	27
9TFC-2000	200	16	283.5	454	115	265	190	140	230	40.7

LOW HEIGHT/COMPACT JACKS Plain Ram, Single Acting, Spring Return



FEATURES :

- ▶ Ideal design for low clearance applications.
- ▶ Heavy equipment lifting & alignment
- ▶ Ensure no gap between jack & load to be lifted, to utilize full stroke.
- ▶ Compact design, high strength, heat treated alloy steel body for better life.
- ▶ Hard chrome - plated ram to resist scoring & corrosion.
- ▶ High pressure long life seals.
- ▶ Bottom Mounting holes for bolting. Grooved ram acts as integral saddle.
- ▶ Ideally used where no other cylinders will fit for lifting, lowering, spreading of structures, bridges, cranes, heavy machinery etc.
- ▶ Also available in Spherical Saddle design.

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TCC-102	10	30	15.9	48	90	70	45	35	-	2.3
9TCC-202	20	50	31.2	160	115	90	63	50	-	4.9
9TCC-302	30	50	44.2	221	120	100	75	60	-	6.0
9TCC-502	50	60	78.5	471	125	130	100	80	60	11.0
9TCC-752	75	60	113.1	679	145	155	120	95	70	18.4
9TCC-1002	100	60	153.9	925	150	180	140	110	80	23.6
9TCC-1502	150	60	227.0	1362	165	220	170	140	100	43.0
9TCC-2002	200	60	314.2	1885	200	255	200	160	110	66.0

9TFC/9TCC SERIES

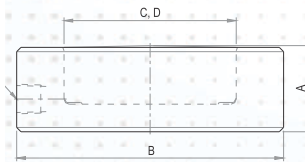
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HYDRAULIC JACKS / CYLINDERS



PANCAKE/SUPER FLAT JACKS Plain Ram, Single Acting, Load Return



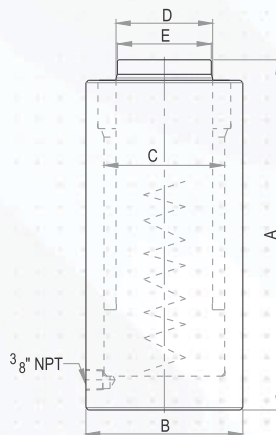
FEATURES :

- ▶ Used in confined area with extremely low clearance
- ▶ Compact, pancake design, heat treated alloy steel body for better life.
- ▶ Hard chrome plated ram to resist scoring and corrosion.
- ▶ High pressure long life seals.
- ▶ Ideally suited for precision lifting, alignment of machinery, heavy structures & removal of pulleys/sprockets on taper seats
- ▶ Ensure no gap between jack & load to be lifted, to utilize full stroke of 10 mm

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Weight (Kgs.)
9TSFC-10	10	10	15.9	16	30	80	45	45	1.2
9TSFC-20	20	10	31.2	32	35	100	63	63	2.2
9TSFC-30	30	10	44.2	44	40	110	75	75	3.0
9TSFC-50	50	10	78.5	79	50	140	100	100	6.0
9TSFC-100	100	10	153.9	154	70	180	140	140	14
9TSFC-150	150	10	227.0	227	75	220	170	170	22
9TSFC-200	200	10	314.2	315	80	255	200	200	34
9TSFC-300	300	10	452.4	453	90	310	240	240	55

GENERAL PURPOSE CYLINDERS - Single Acting Plain Ram, Spring Return/ Load Return



FEATURES :

- ▶ Multipurpose jacks
- ▶ High strength, Heat treated alloy steel body for better life.
- ▶ Hard chrome - plated ram to resist scoring & corrosion.
- ▶ Working Pressure – 700 Bar
- ▶ Gland Nut designed to withstand dead end load
- ▶ Base mounting holes & collar threads are optional
- ▶ Used in horizontal & vertical directions
- ▶ These jacks are an excellent choice for Maintenance, positioning, bending, pressing in fabrication, construction, Heavy industries, power & process plants, shipyards etc
- ▶ Also available in Spherical Saddle design.

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TSG-52	5	50	8.0	40	135	45	32	25	25	1.5
9TSG-54	5	100	8.0	80	185	45	32	25	25	1.9
9TSG-56	5	150	8.0	121	235	45	32	25	25	2.4
9TSG-102	10	50	15.9	80	135	60	45	35	35	2.5
9TSG-104	10	100	15.9	159	185	60	45	35	35	3.2
9TSG-106	10	150	15.9	239	235	60	45	35	35	4.0
9TSG-108	10	200	15.9	318	285	60	45	35	35	4.8
9TSG-152	15	50	23.8	119	140	70	55	45	43	4.1

9TSFC/9TSG SERIES

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HYDRAULIC JACKS / CYLINDERS



TECHNICAL SPECIFICATION

Model No.	Capacity	Stroke	Effective Area	Oil Capacity	Collapsed Height	Cylinder OD	Bore Dia.	Ram Dia.	Saddle Dia.	Weight
9TSG-154	15	100	23.8	238	190	70	55	45	43	5.2
9TSG-156	15	150	23.8	356	240	70	55	45	43	6.3
9TSG-158	15	200	23.8	475	290	70	55	45	43	7.4
9TSG-202	20	50	31.2	156	145	80	63	50	48	5.3
9TSG-204	20	100	31.2	312	195	80	63	50	48	6.7
9TSG-206	20	150	31.2	468	245	80	63	50	48	8.1
9TSG-208	20	200	31.2	623	295	80	63	50	48	9.5
9TSG-252	25	50	38.5	192	155	90	70	55	53	7.2
9TSG-254	25	100	38.5	385	205	90	70	55	53	9.0
9TSG-256	25	150	38.5	577	255	90	70	55	53	10.8
9TSG-258	25	200	38.5	770	305	90	70	55	53	12.6
9TSG-302	30	50	44.2	221	160	100	75	60	58	9.0
9TSG-304	30	100	44.2	442	210	100	75	60	58	11.3
9TSG-306	30	150	44.2	663	260	100	75	60	58	13.6
9TSG-308	30	200	44.2	884	310	100	75	60	58	15.8
9TSG-502	50	50	78.5	393	175	130	100	80	78	16.5
9TSG-504	50	100	78.5	785	225	130	100	80	78	20.5
9TSG-506	50	150	78.5	1178	275	130	100	80	78	24.5
9TSG-508	50	200	78.5	1571	325	130	100	80	78	28.5
9TSG-752	75	50	113.1	565	180	155	120	95	93	24.0
9TSG-754	75	100	113.1	1131	230	155	120	95	93	29.5
9TSG-756	75	150	113.1	1696	280	155	120	95	93	35.0
9TSG-758	75	200	113.1	2262	330	155	120	95	93	41.0
9TSG-1002	100	50	153.9	770	185	180	140	110	108	33.0
9TSG-1004	100	100	153.9	1539	235	180	140	110	108	40.5
9TSG-1006	100	150	153.9	2309	285	180	140	110	108	48.0
9TSG-1008	100	200	153.9	3079	335	180	140	110	108	55.5
9TSG-1502	150	50	227.0	1135	200	220	170	140	138	54.0
9TSG-1504	150	100	227.0	2270	250	220	170	140	138	65.5
9TSG-1506	150	150	227.0	3405	300	220	170	140	138	77.0
9TSG-1508	150	200	227.0	4540	350	220	170	140	138	88.5
9TSG-2002	200	50	314.2	1571	215	255	200	160	158	76.0
9TSG-2004	200	100	314.2	3142	265	255	200	160	158	91.0
9TSG-2006	200	150	314.2	4712	315	255	200	160	158	106.5
9TSG-2008	200	200	314.2	6282	365	255	200	160	158	122.5
9TSG-2502	250	100	380.1	3801	270	280	220	180	177	114
9TSG-2504	250	150	380.1	5702	320	280	220	180	177	133
9TSG-2506	250	200	380.1	7603	370	280	220	180	177	152
9TSG-3004	300	100	452.4	4524	285	310	240	200	196	149
9TSG-3006	300	150	452.4	6786	335	310	240	200	196	173
9TSG-3008	300	200	452.4	9048	385	310	240	200	196	197
9TSG-4004	400	100	572.6	5726	315	350	270	220	216	209
9TSG-4006	400	150	572.6	8588	365	350	270	220	216	239
9TSG-4008	400	200	572.6	11451	415	350	270	220	216	269
9TSG-5004	500	100	-	7068	350	405	-	250	-	282
9TSG-5006	500	150	-	10602	400	405	-	250	-	318
9TSG-6004	600	100	-	9070	400	450	-	280	-	418
9TSG-6006	600	150	-	13618	450	450	-	280	-	475
9TSG-8004	800	100	-	12560	410	530	-	320	-	595
9TSG-8006	800	150	-	18840	460	530	-	320	-	670
9TSG-10004	1000	100	-	15900	540	590	-	360	-	870
9TSG-10006	1000	150	-	23850	590	590	-	360	-	960

- Higher capacity and customized Jacks on request.
- Specifications are subject to change.
- Capacity and Stroke specified are maximum safe limits. Use at 80% of rating as safe practice.
- Spherical Saddles deign jacks are also available on request.
- High Tonnage Jacks are Load return type

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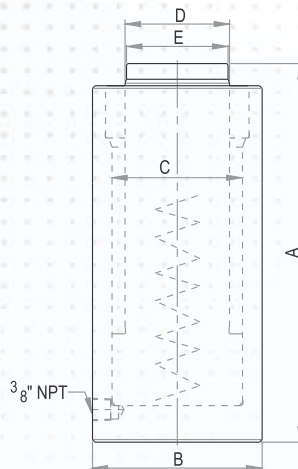
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9TSFC/9TSG SERIES

HYDRAULIC JACKS / CYLINDERS



GENERAL PURPOSE JACKS - with Collar Threads & Base Fixturing Holes Plain Ram Single Acting (Type - Spring Return)



FEATURES :

- ▶ High strength, Heat treated alloy steel body for better life.
- ▶ Hard chrome - plated ram to resist scoring & corrosion.
- ▶ Working Pressure – 700 Bar
- ▶ Gland Nut designed to withstand dead end load
- ▶ Base mounting holes, collar threads & ram threads for fixturing
- ▶ Suited for horizontal & vertical applications
- ▶ Multipurpose application jacking, structural fabrication, presses in all industrial segments

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TCTG-5-28	5	28	6.2	17	110	38	28	25	25	1.0
9TCTG-5-83	5	83	6.2	51	165	38	28	25	25	1.5
9TCTG-5-133	5	133	6.2	82	216	38	28	25	25	1.9
9TCTG-5-184	5	184	6.2	113	273	38	28	25	25	2.4
9TCTG-5-235	5	235	6.2	145	324	38	28	25	25	2.9
9TCTG-10-25	10	25	15.9	40	92	58	45	38	38	1.9
9TCTG-10-54	10	54	15.9	86	121	58	45	38	38	2.5
9TCTG-10-105	10	105	15.9	167	171	58	45	38	38	3.5
9TCTG-10-156	10	156	15.9	248	248	58	45	38	38	5.1
9TCTG-10-206	10	206	15.9	328	298	58	45	38	38	6.2
9TCTG-15-25	15	25	23.8	59	124	70	55	45	45	3.7
9TCTG-15-54	15	54	23.8	128	149	70	55	45	45	4.5
9TCTG-15-105	15	105	23.8	249	200	70	55	45	45	6.0
9TCTG-15-156	15	156	23.8	371	272	70	55	45	45	8.2
9TCTG-15-206	15	206	23.8	489	322	70	55	45	45	9.7
9TCTG-25-25	25	25	38.5	96	140	86	70	56	54	6.4
9TCTG-25-51	25	51	38.5	196	165	86	70	56	54	7.5
9TCTG-25-102	25	102	38.5	393	216	86	70	56	54	10.0
9TCTG-25-159	25	159	38.5	612	273	86	70	56	54	12.4
9TCTG-25-206	25	209	38.5	804	324	86	70	56	54	14.8
9TCTG-25-260	25	260	38.5	1001	375	86	70	56	54	17.1
9TCTG-50-51	50	51	70.9	361	175	127	95	80	65	17.4
9TCTG-50-103	50	103	70.9	730	227	127	95	80	65	22.6
9TCTG-50-159	50	159	70.9	1127	283	127	95	80	65	28.1
9TCTG-50-337	50	337	70.9	2389	460	127	95	80	65	45.7
9TCTG-75-156	75	156	113.1	1764	285	146	120	95	71	37.5
9TCTG-75-333	75	333	113.1	3766	492	146	120	95	71	64.7
9TCTG-95-168	95	168	132.7	2230	357	177	130	105	85	69.0
9TCTG-95-260	95	260	132.7	3451	449	177	130	105	85	86.7

9TCTG SERIES

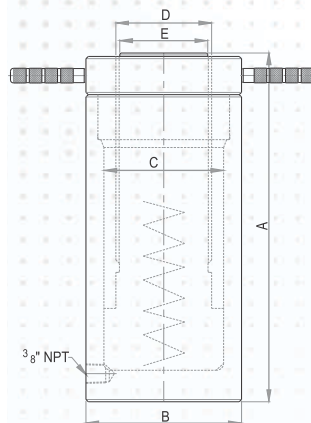
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HYDRAULIC JACKS / CYLINDERS



GENERAL PURPOSE JACKS - with Safety Lock Nut Threaded Ram, Single Acting (Type - Spring Return)



FEATURES :

- ▶ High strength, Heat treated alloy steel body for better life.
- ▶ Blackodised ram.
- ▶ Working Pressure – 700 Bar
- ▶ Gland Nut designed to withstand dead end load
- ▶ General application jacks
- ▶ Threaded ram with mechanical safety lock
- ▶ Adequate gripping by grooved saddle.
- ▶ High pressure long life seals.
- ▶ Bottom mounting holes for bolting.
- ▶ Custom strokes and tilting saddle available on request.
- ▶ These jacks are an excellent choice for maintenance, ideal for wide range of applications at construction site, mills, railway workshops, power plants, transformer lifting and industrial maintenance where lifting load is for longer period.

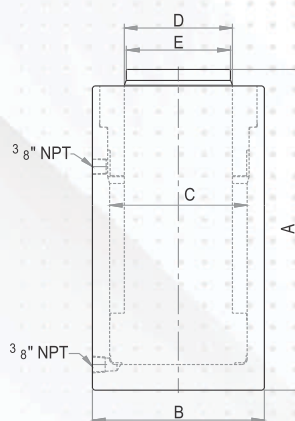
TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TST-10-150	10	150	15.9	239	245	60	45	40	34	4.5
9TST-15-150	15	150	23.8	356	250	70	55	50	43	6.5
9TST-20-150	20	150	31.2	468	260	80	63	55	48	9.0
9TST-25-150	25	150	38.5	577	270	90	70	55	50	11.5
9TST-30-150	30	150	44.2	663	275	100	75	60	55	15.0
9TST-50-150	50	150	78.5	1178	290	130	100	80	75	27.0
9TST-75-150	75	150	113.1	1696	295	155	120	95	89	39.0
9TST-100-150	100	150	153.9	2309	305	180	140	110	103	54.0
9TST-150-150	150	150	227.0	3405	325	220	170	140	133	87.5
9TST-200-150	200	150	314.2	4712	340	255	200	160	152	122
9TST-250-150	250	150	380.1	5702	350	280	220	180	170	154
9TST-300-150	300	150	452.4	6786	370	310	240	200	192	202
9TST-400-150	400	150	572.6	8588	405	350	270	220	212	283
9TST-500-150	500	150	-	10602	475	405	-	250	-	350
9TST-600-150	600	150	-	13618	550	450	-	280	-	475
9TST-800-150	800	150	-	18840	570	530	-	320	-	670
9TST-1000-150	1000	150	-	23850	600	590	-	360	-	960

- ▶ High Tonnage Jacks are Load return type

9TST SERIES

MULTIPURPOSE JACKS – Double Acting Plain Ram, (Type - Oil Return)



FEATURES :

- ▶ High Strength, Alloy steel body for better life. Double acting.
- ▶ Hard chrome plated ram to resist scoring and corrosion
- ▶ Ideal for heavy duty application.
- ▶ High pressure long life seals.
- ▶ Suits general lifting & push-pull applications
- ▶ Base mounting holes & collar threads are optional
- ▶ Safety Pressure Relief valve in return port prevents damage, in case of accidental over pressurization due to blockage in return line
- ▶ Pile load testing, box pushing, ship lifting & hydraulic presses
- ▶ These jacks are designed to provide oil force in both the advance and retraction of ram, in vertical and horizontal position, where cycle time is crucial. These are mainly used for hydraulic testing machines and for lifting lowering, spreading, shifting structures, bridges, heavy machinery etc.
- ▶ Also available in Spherical Saddle design.

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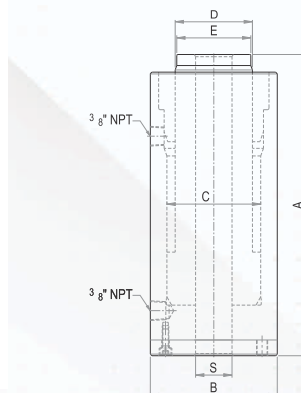
HYDRAULIC JACKS / CYLINDERS



TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TDG-10-150	10	150	15.9	239	275	75	45	30	28	8
9TDG-15-150	15	150	23.8	356	280	85	55	40	38	11
9TDG-20-150	20	150	31.2	468	285	95	63	50	48	14
9TDG-25-150	25	150	38.5	577	295	95	70	55	53	14.3
9TDG-30-150	30	150	44.2	663	305	100	75	55	53	15.6
9TDG-50-150	50	150	78.5	1178	305	130	100	70	67	26.3
9TDG-75-150	75	150	113.1	1696	305	155	120	90	87	38.5
9TDG-100-150	100	150	153.9	2309	310	180	140	110	106	53.5
9TDG-150-150	150	150	227.0	3405	320	220	170	140	137	84
9TDG-200-150	200	150	314.2	4712	345	255	200	150	146	116
9TDG-250-150	250	150	380.1	5702	350	280	220	180	177	148
9TDG-300-150	300	150	452.4	6786	365	310	240	180	177	181
9TDG-400-150	400	150	572.6	8588	385	350	270	220	216	255
9TDG-500-150	500	150	-	12063	470	400	-	250	-	360
9TDG-600-150	600	150	-	14430	480	460	-	280	-	489
9TDG-800-150	800	150	-	18840	520	520	-	300	-	698
9TDG-1000-150	1000	150	-	23850	550	580	-	350	-	9745

MULTIPURPOSE JACKS - Double Acting with Collar Threads & Base Mounting Holes Plain Ram , (Type - Oil Return)



FEATURES :

- ▶ High strength, Heat treated alloy steel body for better life.
- ▶ Suits general lifting & push-pull applications
- ▶ Safety Pressure Relief valve in return port prevents damage, in case of accidental overpressurization due to blockage in return line
- ▶ Pile load testing, box pushing, ship lifting & hydraulic presses
- ▶ Also available in Spherical Saddle design.

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TDCT-10-255	10	255	15.9	406	410	75	45	35	33	12.5
9TDCT-10-305	10	305	15.9	485	460	75	45	35	33	14
9TDCT-30-210	30	210	44.2	928	390	100	75	55	53	19
9TDCT-30-370	30	370	44.2	1635	550	100	75	55	53	27
9TDCT-50-155	50	155	70.9	1099	330	130	95	80	77	30.5
9TDCT-50-335	50	335	70.9	2375	515	130	95	80	77	47
9TDCT-50-510	50	510	70.9	3615	690	130	95	80	77	62.5
9TDCT-75-155	75	155	103.9	1610	340	150	115	95	92	41.5
9TDCT-75-335	75	335	103.9	3480	530	150	115	95	92	63.5
9TDCT-95-170	95	170	132.7	2256	360	180	130	95	92	60.5
9TDCT-95-335	95	335	132.7	4447	525	180	130	95	92	85.5
9TDCT-95-460	95	460	132.7	6106	650	180	130	95	92	104.5
9TDCT-140-155	140	155	201.1	3116	375	205	160	115	112	81.5
9TDCT-140-335	140	335	201.1	6736	555	205	160	115	112	114.5
9TDCT-140-460	140	460	201.1	9249	680	205	160	115	112	137.5
9TDCT-200-150	200	150	283.5	4253	405	250	190	135	131	131.5
9TDCT-200-330	200	330	283.5	9356	585	250	190	135	131	181
9TDCT-200-460	200	460	283.5	13042	715	250	190	135	131	217
9TDCT-200-610	200	610	283.5	17295	865	250	190	135	131	258
9TDCT-325-155	325	155	452.4	7012	455	311	240	165	161	228.5
9TDCT-325-305	325	305	452.4	13798	605	311	240	165	161	289.5
9TDCT-325-460	325	460	452.4	20810	760	311	240	165	161	353
9TDCT-325-610	325	610	452.4	27596	910	311	240	165	161	414.5

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9TDG/9TDCT SERIES

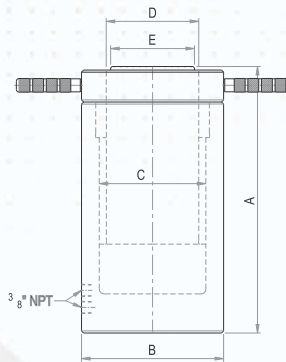
HYDRAULIC JACKS / CYLINDERS



TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TDCCT-440-155	440	155	615.8	9544	480	360	280	190	186	324
9TDCCT-440-305	440	305	615.8	18780	630	360	280	190	186	404.5
9TDCCT-440-460	440	460	615.8	28325	785	360	280	190	186	488
9TDCCT-440-610	440	610	615.8	37561	935	360	280	190	186	568.5
9TDCCT-520-155	520	155	730.6	11325	535	400	305	205	200	453
9TDCCT-520-305	520	305	730.6	22284	685	400	305	205	200	554
9TDCCT-520-460	520	460	730.6	33608	840	400	305	205	200	658
9TDCCT-520-610	520	610	730.6	44568	990	400	305	205	200	759

SPECIAL APPLICATION JACKS Threaded Ram with Safety Lock Nut, Double Acting (Type - Oil Return)



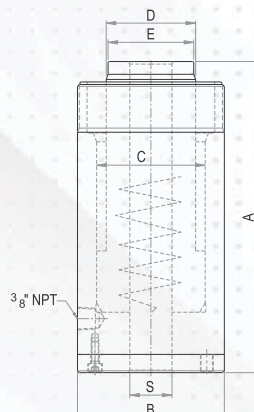
FEATURES :

- ▶ High strength, Heat treated alloy steel body for better life.
- ▶ Suits heavy lifting & pushing applications
- ▶ Safety Pressure Relief valve in return port prevents damage, in case of accidental over-pressurization due to blockage in return line
- ▶ Sustained load holding with lock nut in vertical & horizontal direction
- ▶ Fast & complete ram retraction
- ▶ Suited for Construction & Heavy industries
- ▶ Also available in Spherical Saddle design.

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TDT 50-150	50	150	76.4	1146	325	140	105	85	79	35
9TDT 50-300	50	300	76.4	2293	475	140	105	85	79	48
9TDT 100-150	100	150	160.8	2412	350	195	150	125	115	76.5
9TDT 100-300	100	300	160.8	4825	500	195	150	125	115	102
9TDT 150-150	150	150	234.8	3524	380	235	180	140	132	110.5
9TDT 150-300	150	300	234.8	7045	530	235	180	140	132	146
9TDT 200-150	200	150	318.1	4772	400	270	210	170	160	159.5
9TDT 200-300	200	300	318.1	9543	550	270	210	170	160	202
9TDT 250-150	250	150	377.0	5655	400	300	230	180	170	197.5
9TDT 250-300	250	300	377.0	11310	550	300	230	180	170	250
9TDT 300-150	300	150	460.4	6907	410	330	255	205	195	248.5
9TDT 300-300	300	300	460.4	13814	560	330	255	205	195	315.5
9TDT 400-150	400	150	643.2	9650	435	385	300	250	235	357.5
9TDT 400-300	400	300	643.2	19298	585	385	300	250	235	458

HOLLOW RAM JACKS - Single Acting Plain Ram, Spring Return



FEATURES :

- ▶ High Strength, Heat alloy steel body for better life.
- ▶ Hard chrome plated ram to resist scoring and corrosion.
- ▶ Bigger center hole designed allows to run screws/cables/studs to pull or push forces.
- ▶ Threaded stud & saddle optional
- ▶ Anchorage / Re-bar Testing
- ▶ High pressure long life seals.
- ▶ These jacks are designed to attach various puller attachments for removing pins, bushes, gears, bearings, pulleys, sprockets and general maintenance.

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9TDCCT/9TDT SERIES

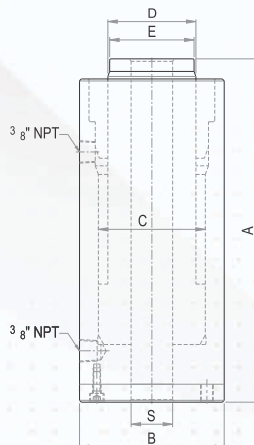
HYDRAULIC JACKS / CYLINDERS



TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	C, hole Dia. (S) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TSH 102	10	50	15.7	79	165	75	60	20	50	50	4.6
9TSH 103	10	75	15.7	118	190	75	60	20	50	50	5.3
9TSH 104	10	100	15.7	157	215	75	60	20	50	50	6.0
9TSH 202	20	50	33.0	165	170	105	85	27	75	73	10.5
9TSH 204	20	100	33.0	330	220	105	85	27	75	73	13.5
9TSH 206	20	150	33.0	495	270	105	85	27	75	73	16.0
9TSH 302	30	50	42.6	213	195	115	95	33	80	78	13.0
9TSH 303	30	75	42.6	320	220	115	95	33	80	78	14.5
9TSH 304	30	100	42.6	426	245	115	95	33	80	78	16.0
9TSH 306	30	150	42.6	639	295	115	95	33	80	78	19
9TSH 503	50	75	78.5	589	230	150	125	42	100	97	25
9TSH 504	50	100	78.5	785	255	150	125	42	100	97	27
9TSH 603	60	75	86.4	648	245	165	135	54	110	107	32
9TSH 604	60	100	86.4	864	270	165	135	54	110	107	35
9TSH 606	60	150	86.4	1296	320	165	135	54	110	107	40.5
9TSH 1003	100	75	141.4	1060	270	215	180	77	150	146	58
9TSH 1004	100	100	141.4	1414	295	215	180	77	150	146	62

HOLLOW RAM JACKS - Double Acting Plain Ram, (Type - Oil Return)



FEATURES :

- ▶ High Strength, Heat alloy steel body for better life.
- ▶ Hard chrome plated ram to resist scoring and corrosion.
- ▶ Bigger center hole designed allows to run screws/cables/studs to pull or push forces.
- ▶ These jacks are designed and use as hydraulic pullers with mechanical fixtures for removing & assembling bearing bushes, pins, cylinder liners, tube pullers of boilers, heat exchangers & gears of machinery
- ▶ As Bar jacks & pre-stressing at construction sites
- ▶ Anchorage / Re-bar Testing
- ▶ Safety Pressure Relief valve in return port
- ▶ Threaded saddle optional

TECHNICAL SPECIFICATION

Model No.	Capacity (Ton)	Stroke (mm)	Effective Area (cm ²)	Oil Capacity (CC)	Collapsed Height (A) (mm)	Cylinder OD (B) (mm)	Bore Dia. (C) (mm)	C, hole Dia. (S) (mm)	Ram Dia. (D) (mm)	Saddle Dia. (E) (mm)	Weight (Kgs.)
9TDH 103	10	75	14.7	110	210	75	50	20	40	38	6
9TDH 104	10	100	14.7	147	235	75	50	20	40	38	6.8
9TDH 202	20	50	28.9	144	205	100	70	27	60	58	11.5
9TDH 204	20	100	28.9	289	255	100	70	27	60	58	14
9TDH 206	20	150	28.9	433	305	100	70	27	60	58	16.5
9TDH 302	30	50	44.2	221	220	115	85	33	70	67	15.5
9TDH 304	30	100	44.2	442	270	115	85	33	70	67	19
9TDH 306	30	150	44.2	663	320	115	85	33	70	67	22
9TDH 504	50	100	75.4	754	280	140	110	42	90	87	27
9TDH 603	60	75	91.6	687	265	155	125	54	100	97	31
9TDH 604	60	100	91.6	916	290	155	125	54	100	97	33.5
9TDH 606	60	150	91.6	1373	340	155	125	54	100	97	38.5
9TDH 1003	100	75	156.1	1171	295	210	170	77	130	125	60
9TDH 1004	100	100	156.1	1561	320	210	170	77	130	125	64
9TDH 1506	150	150	235.6	3534	375	245	200	80	150	147	104
9TDH 2006	200	150	301.6	4524	400	290	220	80	160	157	164

9TSH/9TDH SERIES

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