

DD SERIES

Double-Acting, General Cylinders

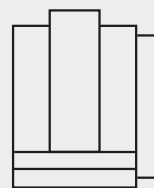
- Double-acting design allows for pull and push forces.
- Built-in safety valves for prevention of over-pressurize.
- Collar threads, plunger threads and base mounting holes features, simplifying fixtures applications.
- Hard chrome plated piston rod and inner cylinder barrel resists wear and corrosion.
- 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.



DD-308



DD-1506



Double-Acting

Long Stroke Cylinder
Hydraulic return

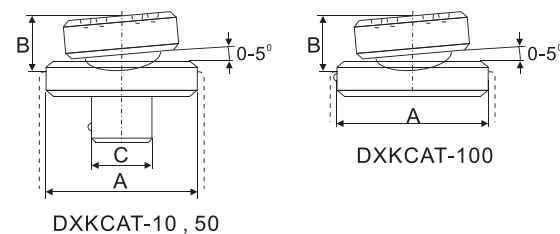
Capacity	10-520 ton
Stroke	57-1219 mm
Maximum Operating Pressure	700 bar



Use in combination with our hydraulic pumps and accessories

Basic system set-up include cylinder, male/female coupler, hose, pressure gauge, gauge accessories and pump.

Please contact DURAJACK office nearest to you for advice and technical assistance in the layout of your ideal.



Optional Tilt Saddles Dimensions (mm)

Cylinder Model/ Cap. (ton)	Model Number Type: Tilt	A	B	C
DD-1010, 1012	DXKCAT-10	35	20	22
DD-308, 3014	DXKCAT-50	50	21	35
DD-506, 5013, 5020, 756, 7513	DXKCAT-100	71	24	—

DD-Series up to 75 tons have plunger thread for installation of DXKCAT-Series tilt saddles.

Handle Type

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



Weldable



Eyebolt



Removable
strap handles



Thread

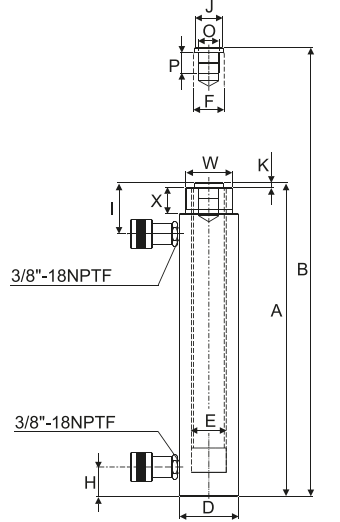
Handle type	Model Number	Cylinder Capacity	Stroke	Max. Cyl. Capacity		Coll. Height	Weight
				Push	Pull		
(C)	(S)	ton (kN)	(mm)	(kN)		A (mm)	(kg)
		DD-1010	254	101	33	409	12
		DD-1012	305	101	33	457	14
		DD-308	209	295	133	387	18
		DD-3014	368	295	133	549	29
	R	DD-506	156	498	150	331	30
	R	DD-5013	334	498	150	509	52
	R	DD-5020	511	498	150	733	68
	R	DD-756	156	718	220	347	41
	R	DD-7513	333	718	220	525	68
	E	DD-1006	168	933	435	357	61
	E	DD-10013	333	933	435	524	93
R	E	DD-10018	460	933	435	687	117
	E	DD-1502	57	1386	668	196	49
R	E	DD-1506	156	1386	668	385	93
R	E	DD-15013	333	1386	668	563	124
R	E	DD-15032	815	1386	668	1116	238
R	E	DD-2006	152	1995	1017	430	147
R	E	DD-20013	330	1995	1017	608	199
R	E	DD-20018	457	1995	1017	765	204
R	E	DD-20024	610	1995	1017	917	279
R	E	DD-20036	914	1995	1017	1222	383
R	E	DD-20048	1219	1995	1017	1527	483
	E	DD-3006	153	3201	1703	485	200
	E	DD-30012	305	3201	1703	638	312
	E	DD-30018	457	3201	1703	790	385
	E	DD-30024	609	3201	1703	943	469
	E	DD-30036	915	3201	1703	1247	628
	E	DD-30048	1219	3201	1703	1552	780
	E	DD-4006	152	4292	2297	538	303
	E	DD-40012	305	4292	2297	690	399
	E	DD-40018	457	4292	2297	843	453
	E	DD-40024	610	4292	2297	995	597
	E	DD-40036	914	4292	2297	1300	792
	E	DD-40048	1219	4292	2297	1605	980
	E	DD-5006	153	5108	2838	577	432
	E	DD-50012	305	5108	2838	730	589
	E	DD-50018	457	5108	2838	882	680
	E	DD-50024	609	5108	2838	1035	816
	E	DD-50036	915	5108	2838	1339	1002
	E	DD-50048	1219	5108	2838	1644	1224

DD-1010 and DD-1012 : N=32mm ; DD-308 and DD-3014 : N=55mm.

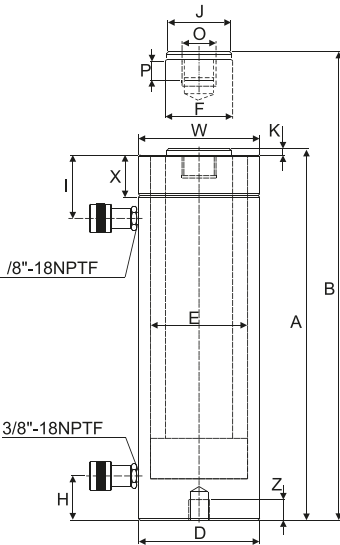
Model Number	Cylinder Capacity	Stroke	Max. Cyl.Capacity		Cyl. Effect. Area		Oil Capacity		Coll. Height	Ext. Height	Out. Diam.	Cylinder Bore Diam.	Plngr. Diam.	Base to Adv. Port
			Push	Pull	Push	Pull	Push	Pull						
			(kN)		(cm²)		(cm³)							
	ton (kN)	(mm)							A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	H (mm)
DD-1010	10 (101)	254	101	33	14.5	4.8	368	122	409	663	73	42.9	34.9	36
DD-1012		305	101	33	14.5	4.8	442	147	457	762	73	42.9	34.9	36
DD-308	30 (295)	209	295	133	42.1	19.1	879	400	387	596	101	73.2	54.1	57
DD-3014		368	295	133	42.1	19.1	1549	703	549	917	101	73.2	54.1	57
DD-506	50 (498)	156	498	150	71.2	21.5	1111	335	331	487	127	95.2	79.5	28
DD-5013		334	498	150	71.2	21.5	2378	718	509	843	127	95.2	79.5	28
DD-5020		511	498	150	71.2	21.5	3638	1099	733	1244	127	95.2	79.5	57
DD-756	75 (718)	156	718	220	102.6	31.4	1601	490	347	503	146	114.3	95.2	30
DD-7513		333	718	220	102.6	31.4	3417	1046	525	858	146	114.3	95.2	30
DD-1006	95 (933)	168	933	435	133.3	62.2	2238	1045	357	525	177	130.3	95.2	38
DD-10013		333	933	435	133.3	62.2	4439	2071	524	857	177	130.3	95.2	38
DD-10018		460	933	435	133.3	62.2	6132	2861	687	1147	177	130.3	95.2	41
DD-1502	140 (1386)	57	1386	668	198.1	95.4	1129	544	196	253	203	158.8	114.3	22
DD-1506		156	1386	668	198.1	95.4	3090	1488	385	541	203	158.8	114.3	49
DD-15013		333	1386	668	198.1	95.4	6597	3177	563	897	203	158.8	114.3	49
DD-15032		815	1386	668	198.1	95.4	16145	7775	1116	1931	203	158.8	114.3	76
DD-2006	200 (1995)	152	1995	1017	285.0	145.3	4332	2209	430	582	247	190.5	133.4	57
DD-20013		330	1995	1017	285.0	145.3	9405	4795	608	938	247	190.5	133.4	57
DD-20018		457	1995	1017	285.0	145.3	13025	6640	765	1222	247	190.5	133.4	85
DD-20024		610	1995	1017	285.0	145.3	17385	8863	917	1527	247	190.5	133.4	85
DD-20036		914	1995	1017	285.0	145.3	26049	13280	1222	2136	247	190.5	133.4	85
DD-20048		1219	1995	1017	285.0	145.3	34741	17712	1527	2746	247	190.5	133.4	85
DD-3006	325 (3201)	153	3201	1703	457.3	243.2	6997	3721	485	638	311	241.3	165.1	88
DD-30012		305	3201	1703	457.3	243.2	13947	7418	638	943	311	241.3	165.1	88
DD-30018		457	3201	1703	457.3	243.2	20889	11114	790	1247	311	241.3	165.1	88
DD-30024		609	3201	1703	457.3	243.2	27850	14811	943	1552	311	241.3	165.1	88
DD-30036		915	3201	1703	457.3	243.2	41843	22253	1247	2162	311	241.3	165.1	88
DD-30048		1219	3201	1703	457.3	243.2	55745	29646	1552	2771	311	241.3	165.1	88
DD-4006	440 (4292)	152	4292	2297	613.1	328.1	9319	4987	538	690	358	279.4	190.5	108
DD-40012		305	4292	2297	613.1	328.1	18700	10007	690	995	358	279.4	190.5	108
DD-40018		457	4292	2297	613.1	328.1	28018	14995	843	1300	358	279.4	190.5	108
DD-40024		610	4292	2297	613.1	328.1	37400	20014	995	1605	358	279.4	190.5	108
DD-40036		914	4292	2297	613.1	328.1	56037	29988	1300	2214	358	279.4	190.5	108
DD-40048		1219	4292	2297	613.1	328.1	74737	39996	1605	2824	358	279.4	190.5	108
DD-5006	520 (5108)	153	5108	2838	729.7	405.4	11164	6203	577	730	397	304.8	203.2	120
DD-50012		305	5108	2838	729.7	405.4	22256	12365	730	1035	397	304.8	203.2	120
DD-50018		457	5108	2838	729.7	405.4	33347	18526	882	1339	397	304.8	203.2	120
DD-50024		609	5108	2838	729.7	405.4	44440	24689	1035	1644	397	304.8	203.2	120
DD-50036		915	5108	2838	729.7	405.4	66768	36973	1339	2254	397	304.8	203.2	120
DD-50048		1219	5108	2838	729.7	405.4	88951	49418	1644	2863	397	304.8	203.2	120

DD-1010 and DD-1012 : N=32mm ; DD-3 08 and DD-3014 : N=55mm.

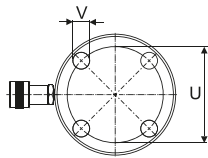
Top to Return Port	Saddle Diam.	Saddle Protr. fr. Plngr.	Plunger Internal Thread	Plunger Thread Length	Base Mounting Holes			Collar Thread	Collar Thread Length	Weight
					Bolt Circle	Thread	Thread Depth			
I (mm)	J (mm)	K (mm)	O (in)	P (mm)	U (mm)	V (in)	Z (mm)	W (in)	X (mm)	(kg)
57	35	6	1"-8	25	—	—	—	2 1/4"-14	26	12
57	35	6	1"-8	25	—	—	—	2 1/4"-14	26	14
81	50	10	1 1/2"-16	25	—	—	—	3 5/16"-12	49	18
81	50	10	1 1/2"-16	25	—	—	—	3 5/16"-12	49	29
76	71	2	1"-12	25	—	—	—	5"-12	50	30
76	71	2	1"-12	25	—	—	—	5"-12	50	52
76	71	2	1"-12	25	76	1/2"-13	25	5"-12	50	68
76	71	6	1"-12	38	—	—	—	5 3/4"-12	38	41
81	71	6	1"-12	38	—	—	—	5 3/4"-12	38	68
71	76	3	1 3/4"-12	35	139	3/4"-10	25	6 7/8"-12	50	61
71	76	3	1 3/4"-12	35	139	3/4"-10	25	6 7/8"-12	50	93
92	76	3	1 3/4"-12	35	139	3/4"-10	25	6 7/8"-12	50	117
66	93	19	—	—	—	—	—	—	—	49
84	114	19	3 3/8"-16	35	158	3/4"-16	28	8"-12	60	93
84	114	19	3 3/8"-16	35	158	3/4"-16	28	8"-12	60	124
88	114	19	3 3/8"-16	35	—	—	—	8"-12	60	238
96	133	22	—	—	127	1"-8	25	—	—	147
96	133	22	2 1/2"-12	63	127	1"-8	25	9 3/4"-12	54	199
101	133	22	2 1/2"-12	63	127	1"-8	25	9 3/4"-12	54	204
101	133	22	2 1/2"-12	63	127	1"-8	25	9 3/4"-12	54	279
101	133	22	2 1/2"-12	63	127	1"-8	25	9 3/4"-12	54	383
101	133	22	2 1/2"-12	63	127	1"-8	25	9 3/4"-12	54	483
114	165	28	2 1/2"-12	82	158	1 1/4"-7	44	12 1/4"-12	58	200
114	165	28	2 1/2"-12	82	158	1 1/4"-7	44	12 1/4"-12	58	312
114	165	28	2 1/2"-12	82	158	1 1/4"-7	44	12 1/4"-12	58	385
114	165	28	2 1/2"-12	82	158	1 1/4"-7	44	12 1/4"-12	58	469
114	165	28	2 1/2"-12	82	158	1 1/4"-7	44	12 1/4"-12	58	628
114	165	28	2 1/2"-12	82	158	1 1/4"-7	44	12 1/4"-12	58	780
133	190	28	3"-12	95	203	1 1/2"-6	50	14 1/8"-8	65	303
133	190	28	3"-12	95	203	1 1/2"-6	50	14 1/8"-8	65	399
133	190	28	3"-12	95	203	1 1/2"-6	50	14 1/8"-8	65	453
133	190	28	3"-12	95	203	1 1/2"-6	50	14 1/8"-8	65	597
133	190	28	3"-12	95	203	1 1/2"-6	50	14 1/8"-8	65	792
133	190	28	3"-12	95	203	1 1/2"-6	50	14 1/8"-8	65	980
152	203	28	3 1/4"12	108	203	1 3/4"-5	54	15 5/8"-8	79	432
152	203	28	3 1/4"12	108	203	1 3/4"-5	54	15 5/8"-8	79	589
152	203	28	3 1/4"12	108	203	1 3/4"-5	54	15 5/8"-8	79	680
152	203	28	3 1/4"12	108	203	1 3/4"-5	54	15 5/8"-8	79	816
152	203	28	3 1/4"12	108	203	1 3/4"-5	54	15 5/8"-8	79	1002
152	203	28	3 1/4"12	108	203	1 3/4"-5	54	15 5/8"-8	79	1224



DD-1010 to DD-3014 models

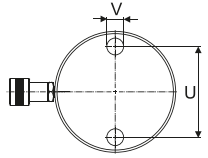


DD-506 to DD-50048 models



DD-1006 to DD-30048 models

No mounting hole on DD-506/ 5013 / 5020 / 756 / 7513 / 1502 / 15032



DD-4006 to DD-50048 models