

HOW TO CHOOSE THE RIGHT CYLINDER FOR YOUR DUMP TRUCK

STEP 1

Measure the dump body length **A**, always calculate the length in inches (")

STEP 2

Select a dump angle **2** along with the multiplier **B** corresponding on the table

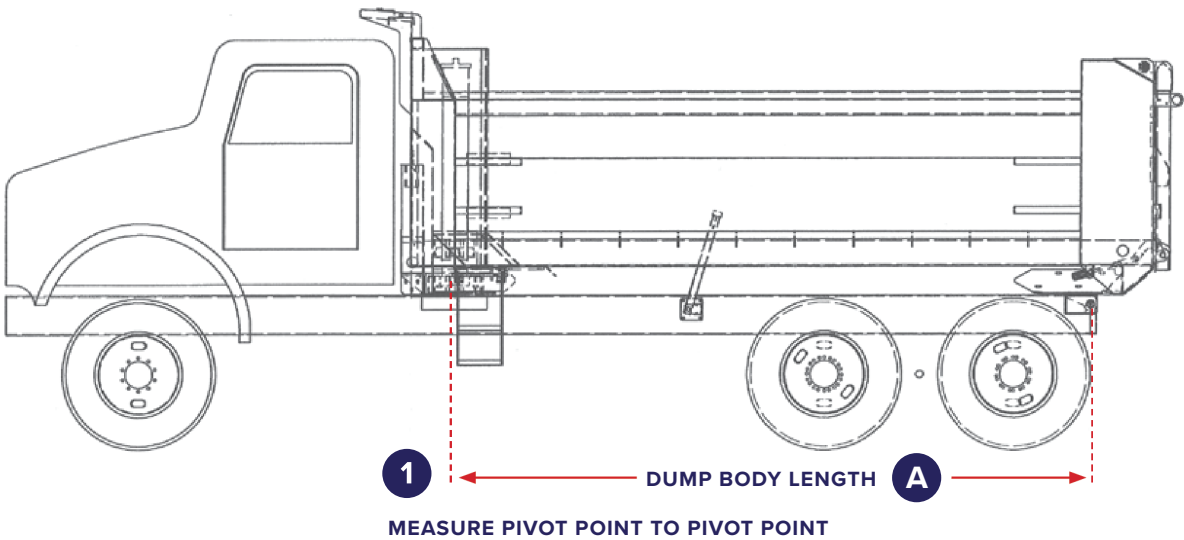
STEP 3

Do the math. Multiply dimension **A** by the multiplier **B** to find a stroke length in column **C**

STEP 4

Select the corresponding cylinder model from column **4** and call Maverick to have it shipped!

905-795-7885



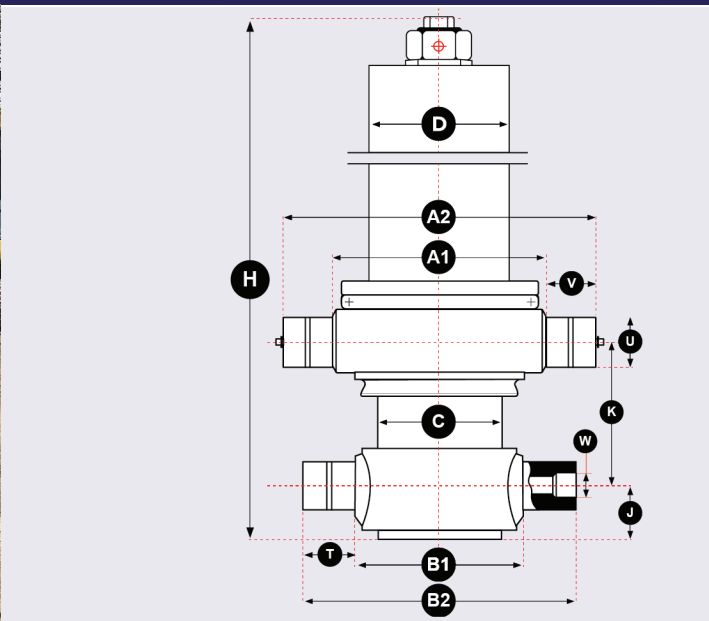
2 DESIRED DUMP ANGLE	B MULTIPLIER
*44°	.750
*45°	.765
*46°	.780
*47°	.797
*48°	.813
*49°	.830
*50°	.845
*55°	.925
*60°	1.005

* The average slope of a dump box is 48° to 52°

4 LENGTH OF DUMP BODY	C MAVERICK MODEL	LIFTING CAPACITY	CYLINDER STROKE
13' - 0"	3TG-E130X3048	35T	120"
13' - 8"	3TG-E130X3048	35T	120"
14' - 0"	3TG-E130X3302	35T	130"
14' - 8"	3TG-E130X3302	35T	130"
15' - 0"	3TG-E130X3556	35T	140"
15' - 8"	3TG-E130X3556	35T	140"
16' - 0"	4TG-E152X3810	45T	150"
16' - 8"	4TG-E152X3810	45T	150"
17' - 0"	4TG-E152X4064	45T	160"
17' - 8"	4TG-E152X4064	45T	160"
18' - 0"	4TG-E152X4318	45T	170"
18' - 8"	4TG-E152X4318	45T	170"
19' - 0"	4TG-E152X4600	45T	180"
19' - 8"	4TG-E152X4600	45T	180"
20' - 0"	4TG-E175X4953	50T	195"
20' - 8"	4TG-E175X4953	50T	195"
21' - 0"	4TG-E175X4953	50T	195"
21' - 8"	4TG-E175X4953	50T	195"

Certification : ISO/TS16949, CCRI, CCS, DNV AND ABS, AQA, API

TELESCOPIC CYLINDERS FOR HEAVYWEIGHT/SUPER HEAVYWEIGHT TRUCKS

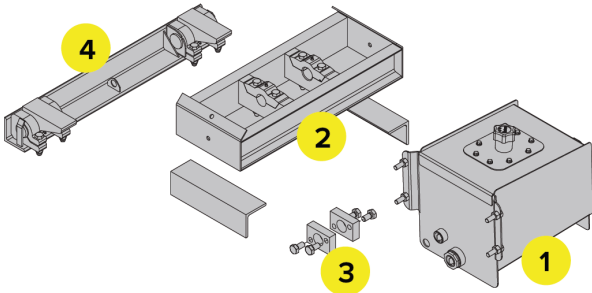


CROSS REFERENCE CHART ▼

ITEMS*	MAVERICK MODEL	MAILHOT SERIES G OR M	HYVA	STROKE	TOTAL GAL.	A1	A2	B1	B2	C	D	H	J	K	T	U	V	W	SMALLER SAE SECTION	OPERATING PRESSURE (PSI)	MAX PRESSURE (PSI)	WEIGHT (LB)
1501	3TG129X3048	120-5.5-3	FC 129-3-2980	120	8.5	9	11.5	7	11	6.02	7.08	55.11	2.36	6.34	2	1.87	1.25	12	3.54	2320	2900	400
1502	3TG130X3302	130-5.5-3	FC 129-3-3205	130	9	9	11.5	7	11	6.02	7.08	57.48	2.36	6.34	2	1.87	1.25	12	3.54	2320	2900	414
1503	3TG130X3546	140-5.5-3	FC 129-3-3460	140	10	9	11.5	7	11	6.02	7.08	60.82	2.36	6.34	2	1.87	1.25	12	3.54	2320	2900	423
1526	4TG130X3810	150-5.5-3	FC 129-3-3810	150	11	9	11.5	7	11	6.02	7.08	63.50	2.36	6.34	2	1.87	1.25	12	3.54	2320	2900	432
1527	4TG130X4064	160-5.5-4	FC 129-4-4064	160	12	9	11.5	7	11	6.02	7.08	63.50	2.36	6.34	2	1.87	1.25	12	3.54	2320	2900	434
1528	4TG130X4242	170-5.5-4	FC 129-4-4318	170	13	9	11.5	7	11	6.02	7.08	63.50	2.36	6.34	2	1.87	1.25	12	3.54	2320	2900	451
1500	3TG152X3429	135-6.5-3	FC 149-3-3429	135	14	10.19	13.188	8	11	6.92	8	60.23	3.06	7.65	2	2.25	1.50	16	3.54	2320	2900	510
1504	4TG152X3810	150-6.5-4	FC 149-4-3810	150	14	10.19	13.188	8	12	6.92	8	60.23	3.06	7.65	2	2.25	1.50	16	3.54	2320	2900	563
1505	4TG152X4064	160-6.5-4	FC 149-4-4064	160	15	10.19	13.188	8	12	6.92	8	60.23	2.36	7.65	2	2.25	1.50	16	3.54	2320	2900	538
1506	4TG152X4318	170-6.5-4	FC 149-4-4280	171	16	10.19	13.188	8	12	6.92	8	60.23	2.36	7.65	2	2.25	1.50	16	3.54	2320	2900	550
1507	4TG152X4600	180-6.5-4	FC 149-4-4620	181	17	10.19	13.188	8	12	6.92	8	60.23	2.36	7.65	2	2.25	1.50	16	3.54	2320	2900	564
1508	4TG152X4953	195-6.5-4	FC 149-4-4953	195	19	10.19	13.188	8	12	6.92	8	60.23	2.36	7.65	2	2.25	1.50	16	3.54	2320	2900	462
1509	4TG169X4700	185-7.5-4	FC 169-4-4620	185	23.5	12	15	9.02	13	8	9.6	64	2.83	9.65	2	2.25	1.50	16	4.33	2320	2900	710
1510	4TG169X4940	195-7.5-4	FC 169-4-4940	195	24	12	15	9.02	13	8	9.6	64	2.83	9.65	2	2.25	1.50	16	4.33	2320	2900	738
1549	4TG169X4622	G3-182-6.7-4	-	182	22.5	11.18	14.181	9.02	13	8	9.6	64	2.83	9.65	2	2.25	1.50	16	4.33	2320	2900	710
1550	4TG169X4928	G3-194-6.7-4	-	194	24	11.18	14.181	9.02	13	8	9.6	64	2.83	9.65	2	2.25	1.50	16	4.33	2320	2900	738

MOUNTING KIT FOR MAVERICK CYLINDERS ▼

	DESCRIPTION	ITEM#	
		35T	45T
1	Oil Reservoir	1563	1566
2	Frame mounting assembly for cylinder	1562	1565
3	Cylinder attachment block to the box	1556	1567
4	Set of hinges for the dump box	1561	1564



"PIN TO PIN" TELESCOPIC CYLINDERS FOR TRAILER BODIES

MAVERICK
MACHINE & HYDRAULICS

SERIES 5-5/3 STAGE

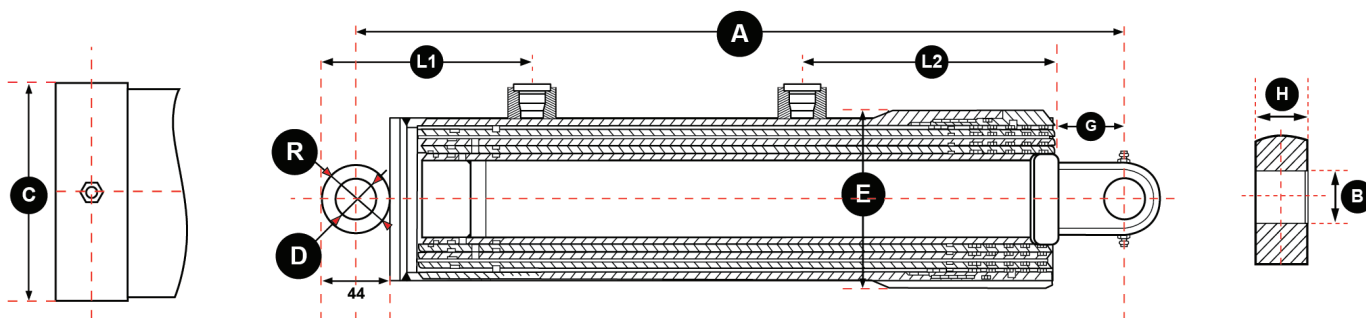
Tube Diameters

Base	6.6in	(168mm)
1-Section	5.07in	(129mm)
2-Section	4.33in	(110mm)
3-Section	3.54in	(90mm)

SERIES 7-5/4 STAGE

Tube Diameters

Base	7.87in	(200mm)
1-Section	6.65in	(169mm)
2-Section	5.90in	(150mm)
3-Section	5.08in	(129mm)
4-Section	4.33in	(110mm)



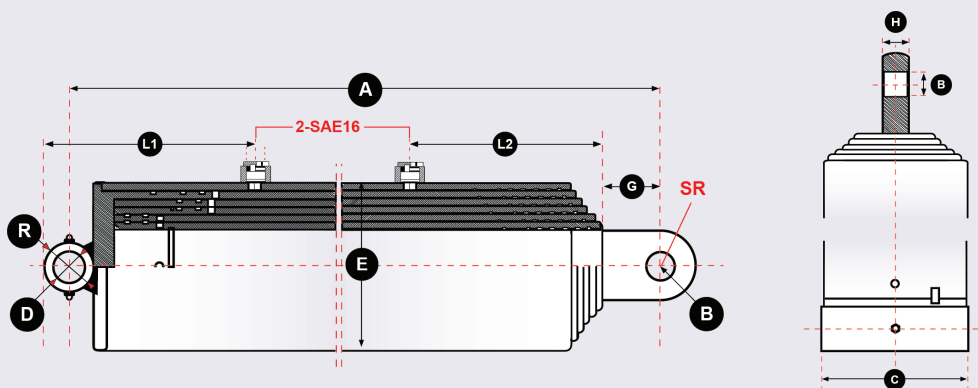
5-5 AND 7-5 MODELS ▼

ITEM*	MAVERICK MODEL	WEIGHT (LB)	TOTAL GAL.	STROKE	A	B	C	D	E	G	H	R	L1	L2	LAST SECTION	OPERATING PRESSURE (PSI)	MAX PRESSURE (PSI)
1928	3TG129X3302EE	415	10	130"	57.00"	2.06"	6.25"	2.06"	6.61"	3.54"	1.50"	3.26"	23.00"	-	3.54"	2320	2900
1539	4TG172X4622EE	552	22	182"	60.50"	2.06"	8.27"	2.06"	7.87"	3.15"	2.00"	3.50"	7.50"	20.25"	4.33"	2320	2900

SERIES 8-5

Tube Diameters

Base	9.10in	(231mm)
1-Section	7.87in	(200mm)
2-Section	6.90in	(175mm)
3-Section	6.00in	(152mm)
4-Section	5.12in	(130mm)
5-Section	4.33in	(110mm)



MODEL 8-5 ▼

ITEM*	MAVERICK MODEL	WEIGHT (LB)	TOTAL GAL.	STROKE	A	B	C	D	E	G	H	R	SR	L1	L2	LAST SECTION	OPERATING PRESSURE (PSI)	MAX PRESSURE (PSI)
1540	5TG196X4775	605	28	188"	53.625"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900
1541	5TG196X5045	654	29	198"	55.75"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900
1542	5TG196X5360	680	31	211"	57.56"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900
1543	5TG196X5588	695	32	220"	60.00"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900
1544	5TG196X5969	726	34	235"	62.40"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900
1545	5TG196X6350	722	36	250"	65.00"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900
1546	5TG196X6731	766	38	265"	69.00"	2.06"	9.50"	2.06"	8.82"	2.36"	2"	3.5"	1.7"	15"	17.71"	4.33"	2320	2900

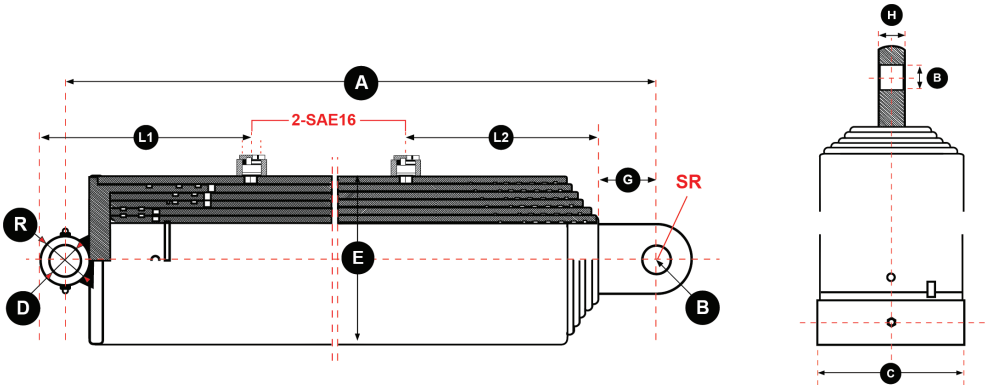
"PIN TO PIN" TELESCOPIC CYLINDERS FOR TRAILER BODIES



SERIES 9-5

Tube Diameters

Base	9.5in	(242mm)
1-Section	8.42in	(214mm)
2-Section	7.52in	(191mm)
3-Section	6.65in	(169mm)
4-Section	5.86in	(149mm)
5-Section	5.08in	(129mm)



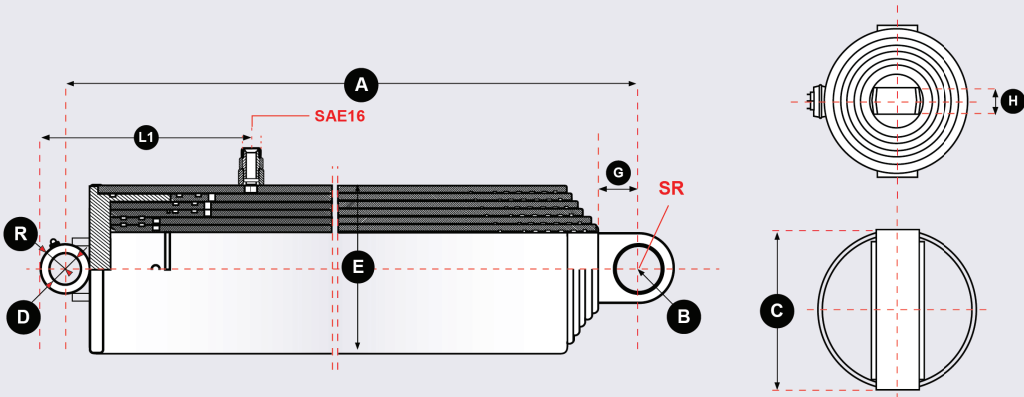
CROSS REFERENCE CHART ▼

ITEM*	MAVERICK MODEL	MAILHOT	HYVA	WEIGHT (LB)	TOTAL GAL.	STROKE	A	B	C	D	E	G	H	R	SR	L1	L2	LAST SECTION	OPERATING PRESSURE (PSI)	MAX. PRESSURE (PSI)
1490	5TG221X5791	G2-220-8.7-5	FEE9-5-228	900	42	228"	61.00"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900
1491	5TG221X6172	G2-250-8.7-5	FEE9-5-243	931	44	243"	64.00"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900
1492	5TG221X6731	G2-265-8.7-5	FEE9-5-269	995	47	265"	68.00"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900
1493	5TG221X7138	G2-280-8.7-5	FEE9-5-281	1069	51	281"	72.32"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900
1494	5TG221X7620	G2-300-8.7-5	FEE9-5-300	1124	55	300"	77.44"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900
1495	5TG221X8130	G2-320-8.7-5	FEE9-5-320	1182	60	320"	81.38"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900
1496	5TG221X8534	G2-340-8.7-5	FEE9-5-336	1239	62	336"	85.62"	2.06"	10.43"	2.06"	9.5"	2.75"	2.04"	2.87"	1.73"	15"	17.71"	5.08"	2320	2900

SERIES 10-5

Tube Diameters

Base	11.77in	(299mm)
1-Section	9.76in	(250mm)
2-Section	8.78in	(221mm)
3-Section	7.72in	(196mm)
4-Section	6.77in	(172mm)
5-Section	5.9in	(150mm)
6-Section	5.07in	(129mm)



MODEL 10-5 ▼

ITEM*	MAVERICK MODEL	WEIGHT (LB)	TOTAL GAL.	STROKE	A	B	C	D	E	G	H	R	SR	L1	L2	LAST SECTION	OPERATING PRESSURE (PSI)	MAX PRESSURE (PSI)
1524	6TG248X8991	1532	67	353"	81.61"	2.05"	11.50"	2.12"	11.77"	4"	2"	3.5"	1.75"	20"	-	5.07"	2320	2900

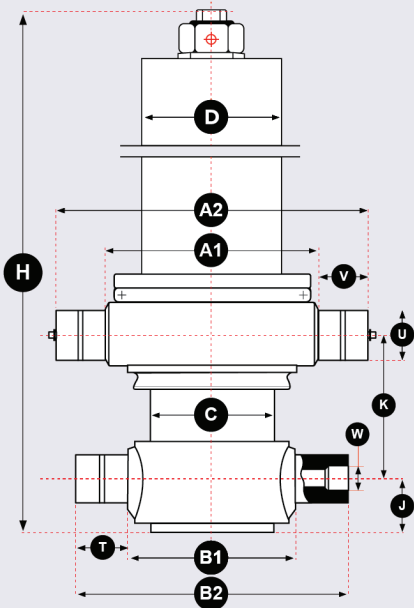
TELESCOPIC CYLINDERS FOR LIGHTER DUMP BOXES

12 & 24 TON



A REAL TRUNNION CYLINDER FOR YOUR TRAILERS. THE WAY IT SHOULD BE, WITH THE LARGE SECTION AT THE BASE FOR BETTER STABILITY.

WHATEVER YOUR TONNAGE, BIG OR SMALL. ASK FOR MAVERICK.

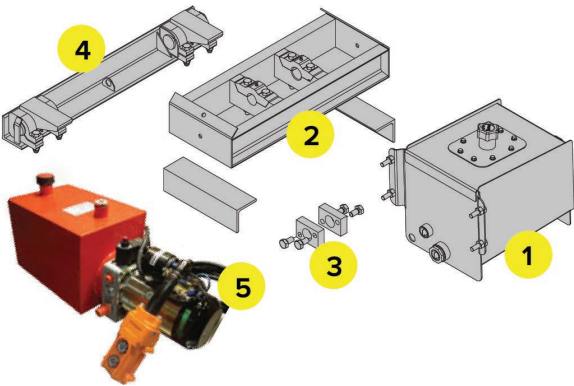


CROSS REFERENCE CHART ▼

ITEMS*	MAVERICK MODEL	MAILHOT SERIES G OR M	HYVA	STROKE	TOTAL GAL.	A1	A2	B1	B2	C	D	H	J	K	T	U	V	W SAE	SMALLER SECTION	OPERATING PRESSURE (PSI)	MAX PRESSURE (PSI)	WEIGHT (LB)
1534	3TG-E85X2032	80-3.5-3	FC 3.5-3-80	80"	2.90	6.75"	9.25"	4.75"	8.75"	4.1"	5.25"	40.20"	1.60"	5.50"	2"	1.87"	1.25"	10	2.17"	2320	2900	148
1535	3TG-E85X2286	90-3.5-3	FC 3.5-3-90	90"	3.06	6.75"	9.25"	4.75"	8.75"	4.1"	5.25"	43.50"	1.60"	5.50"	2"	1.87"	1.25"	10	2.17"	2320	2900	158
1536	3TG-E85X2540	100-3.5-3	FC 3.5-3-100	100"	3.28	6.75"	9.25"	4.75"	8.75"	4.1"	5.25"	46.90"	1.60"	5.50"	2"	1.87"	1.25"	10	2.17"	2320	2900	169
1537	3TG-E85X2794	110-3.5-3	FC 3.5-3-110	110"	3.54	6.75"	9.25"	4.75"	8.75"	4.1"	5.25"	50.20"	1.60"	5.50"	2"	1.87"	1.25"	10	2.17"	2320	2900	180
1538	3TG-E85X3048	120-3.5-3	FC 3.5-3-120	120"	3.83	6.75"	9.25"	4.75"	8.75"	4.1"	5.25"	50.20"	1.60"	5.55"	2"	1.87"	1.25"	10	2.17"	2320	2900	191
1530	3TG-E110X2286	90-4.5-3	FC 4.5-3-90	90"	5.00	8"	10.50"	5.75"	9.75"	4.8"	6.25"	43.30"	1.37"	5.50"	2"	1.87"	1.25"	12	2.75"	2320	2900	253
1531	3TG-E110X2540	100-4.5-3	FC 4.5-3-98	100"	5.50	8"	10.50"	5.75"	9.75"	4.8"	6.25"	46.30"	1.37"	5.50"	2"	1.87"	1.25"	12	2.75"	2320	2900	264
1532	3TG-E110X2794	110-4.5-3	-	110"	6.00	8"	10.50"	5.75"	9.75"	4.8"	6.25"	50.00"	1.37"	5.50"	2"	1.87"	1.25"	12	2.75"	2320	2900	286
1533	3TG-E110X3048	120-4.5-3	-	120"	6.50	8"	10.50"	5.75"	9.75"	4.8"	6.25"	53.30"	1.37"	5.50"	2"	1.87"	1.25"	12	2.75"	2320	2900	297

MOUNTING KIT FOR MAVERICK CYLINDERS ▼

	DESCRIPTION	ITEM#	
		12T	24T
1	Cylinder tank 12 to 24 TONS	1558	
2	Cylinder mounting assembly	1557	1560
3	Cylinder attachment block to the bucket 10 to 20 TONS	1556	
4	Set of hinges for the dumping bucket	1559	1561
5	12 or 24 Volt high speed electric power unit, 5 gallon tank with bypass valve, remo	1568	



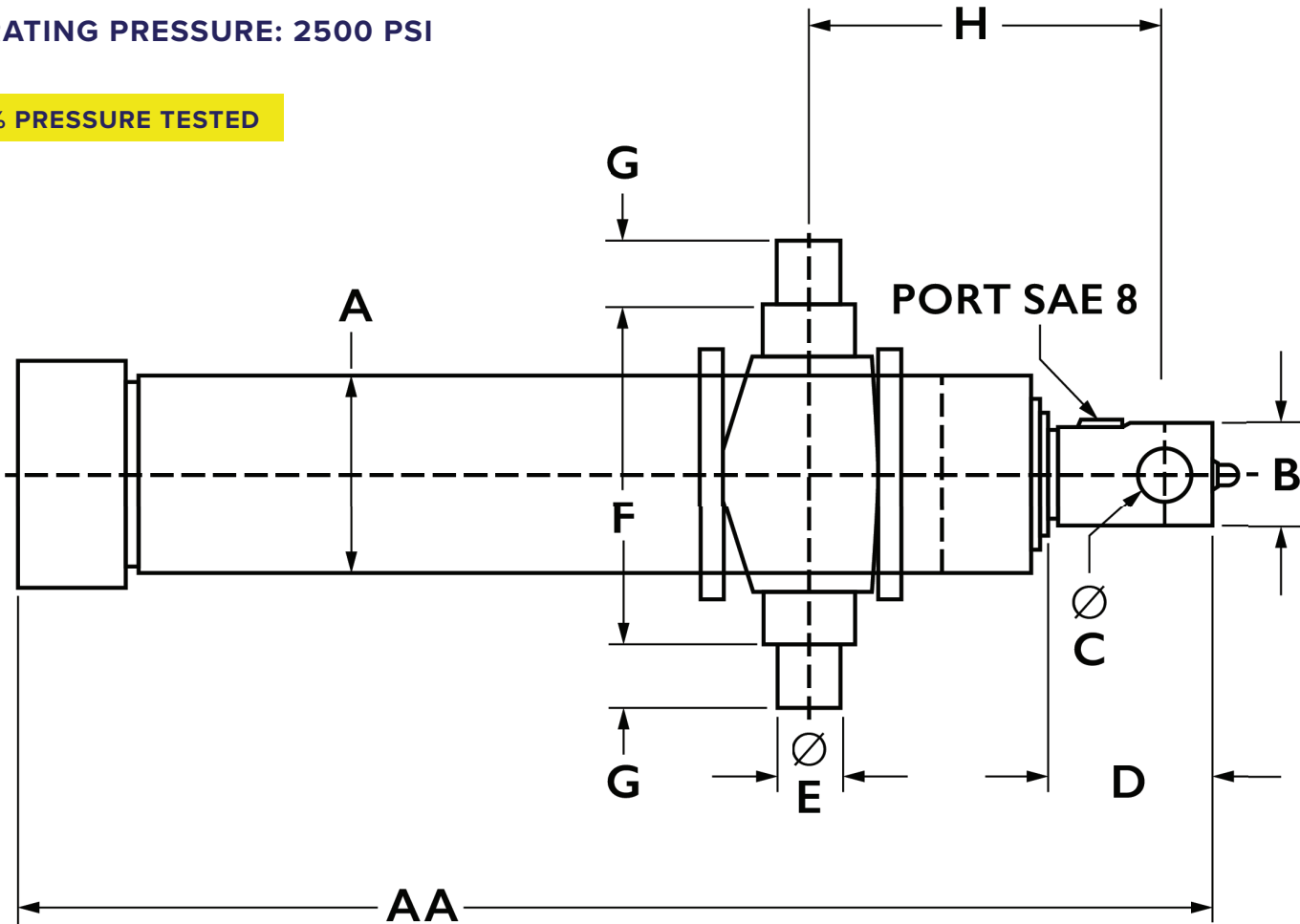
INVERTED TELESCOPIC CYLINDER
FOR SMALL DUMP TRAILERS
7 & 12 TON

MAVERICK

MACHINE & HYDRAULICS

OPERATING PRESSURE: 2500 PSI

100% PRESSURE TESTED



ITC CYLINDER DIMENSIONS

7 TON SERIES — 1 3/4", 2 3/8" & 3" — 2000 PSI ▼

MODEL	CAPACITY	STROKE	AA	A	B	Ø C	D	E	F	G	H	FLUID VOLUME (GAL.)	WEIGHT (LB)
HYS 07-ITC-78-3-11	7 TON	78.00"	35.50"	3.74"	2.00"	1.00"	3.19"	1.25"	6.50"	1.25"	7.00"	1.6	81
HYS 07-ITC-90-3-11	7 TON	90.00"	39.50"	3.74"	2.00"	1.00"	3.19"	1.25"	6.50"	1.25"	7.00"	1.6	88
HYS 07-ITC-108-3-11	7 TON	108.00"	45.50"	3.74"	2.00"	1.00"	3.19"	1.25"	6.50"	1.25"	7.00"	1.6	104

12 TON SERIES — 2 3/8", 3" & 3 5/8" — 2300 PSI ▼

MODEL	CAPACITY	STROKE	AA	A	B	Ø C	D	E	F	G	H	FLUID VOLUME (GAL.)	WEIGHT (LB)
HYS12-ITC-078-3-11	12 TON	78.00"	34.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	2.5	106.00
HYS12-ITC-090-3-11	12 TON	90.00"	38.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	2.9	114.00
HYS12-ITC-108-3-11	12 TON	108.00"	44.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	3.5	132.00
HYS12-ITC-120-3-11	12 TON	120.00"	48.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	3.8	143.00
HYS12-ITC-144-3-11	12 TON	144.00"	49.00"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	4.5	160.00