

# TRAILPARTS™

*Innovative Trailer Solutions*

## Hydraulic Tipper Installations/Details

**Use Hydraulic Oil - ISO 46**



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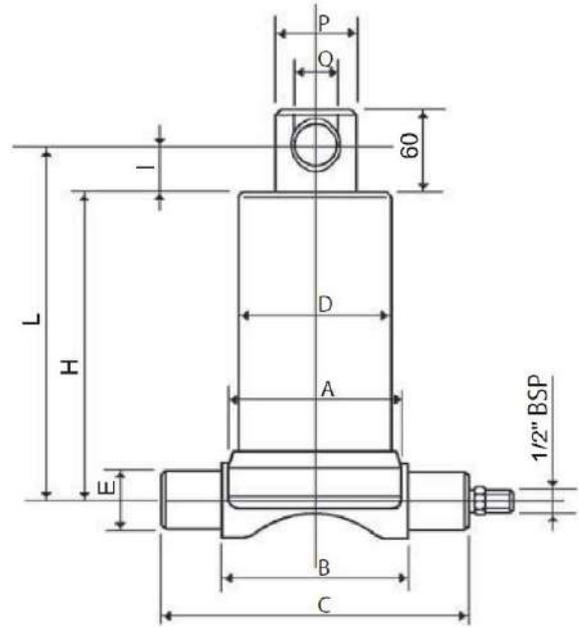


*We do the business.*

# HYDRAULIC CYLINDER DIMENSIONS

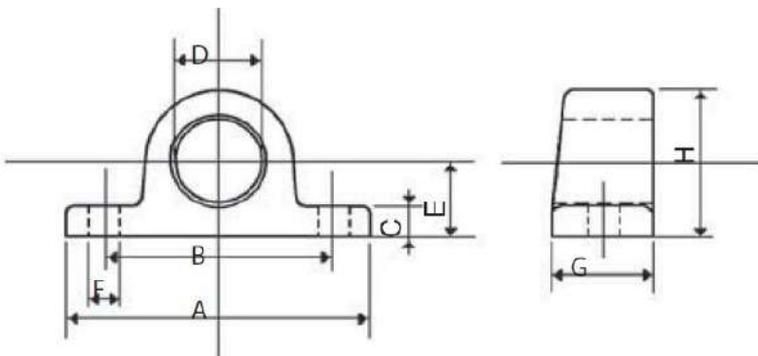


- Displacement cylinder
- Specifically designed for under-body work
- Hardened chromed tubes
- Steel stop faces
- Serviceable design
- 160 bar (2300psi) operating pressure
- Polyurethane high pressure seals
- Wiper-scraper seals



Stroke mm	No of Stages	EXTENSIONS Diameter in mm						Capacity (100 Bar in Kg)	Dimensions of cylinder in mm										Weight Kg	Capacity Lt
		46	61	76	91	107	127		A	B	C	D	E	H	I	L	P	Q		
700	2		○	○				3000	110	115	195	95	45	430	33	463	60	31	22	3.2
700	3	○	○	○				3000	110	115	195	95	45	315	36	351	45	26	17	2.7
800	3	○	○	○				3000	110	115	195	95	45	280	36	316	45	26	17	2.7
1050	3		○	○	○			5000	130	135	215	114	45	425	33	458	60	31	33	5.8
1150	3		○	○	○			5000	130	135	215	114	45	460	33	493	60	31	36	6.3
1250	5	○	○	○	○	○		5000	145	150	230	127	45	335	36	371	45	26	29	7.4
1500	4		○	○	○	○		8000	145	150	230	127	45	455	33	488	60	31	38	10.0
1700	4		○	○	○	○		8000	145	150	230	127	45	505	33	538	60	31	45	11.3
2150	5		○	○	○	○	○	9000	170	175	265	152	45	525	33	558	60	31	62	17.3

## FOOTMOUNTS



SUPPORTS FOR CRADLES AND CYLINDERS									
Size	A	B	C	D	E	F	G	H	Kg
Ø 35	130	95	12	Ø 35.5	30	13	40	56	0.9
Ø 45	140	108	15	Ø 45.5	33	15	45	66	1.2
Ø 50	150	116	15	Ø 50.5	36	15	45	71	1.4

# TIPPING ANGLE DEGREES

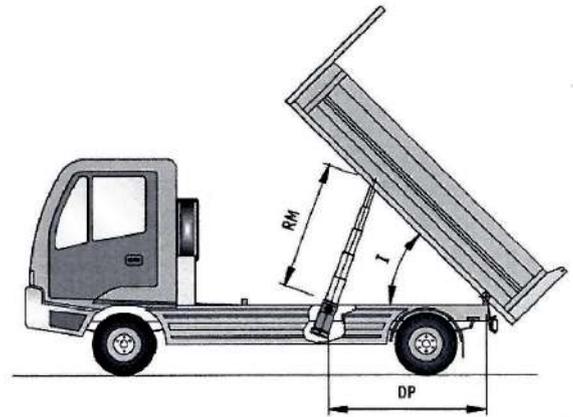
## IMPORTANT:

Never allow cylinder to reach end of stroke, or touch the body in rest position. Warranty void if either occurs.

It is not recommended to mount the closest pivot point less than 50% of tipping length. (Front of body to hinge)

DP = Pivot distance in mm

RM = Cylinder reference



DP \ RM	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
70	52°	45°	41°	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80		52°	47°	43°																			
105	-	-	-	57°	52°	48°	44°	41°	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
115	-	-	-	-	57°	52°	48°	45°	42°	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125	-	-	-	-	-	58°	53°	49°	43°	41°	-	-	-	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	63°	59°	55°	52°	49°	46°	44°	42°	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	60°	56°	53°	50°	48°	45°	43°	41°	40°	-	-	-	-	-
215	-	-	-	-	-	-	-	-	-	-	-	-	-	62°	58°	56°	53°	51°	49°	47°	45°	44°	42°

# WIRING DIAGRAM - 12V

Positive 12v min 185amp recommended. Cable size depends on application. Consulting with an auto electrician is recommended.

Negative 12v

Hydraulic Output located behind solenoid.



- BLACK** = EARTH
- RED** = POSITIVE
- WHITE** = OUTPUT - OUT
- YELLOW** = OUTPUT - IN
- GREEN** = AERIAL (don't connect)  
*May not be visible*

**Note:** Output - IN (yellow) connects to orange/brown solenoid cable.

