

# HYDRALITE RANGE

A range of lightweight jacks designed to lift, lower and position heavy loads with maximum safety.

## Portable

Extensive use of high strength aluminium alloys minimises jack weight for portability.

## Reliable

Hydralite's long service life makes it the choice of many rental operations. All moving parts are totally enclosed and lubricated by the hydraulic oil. Seals are highly resistant to deterioration under widely varying climatic conditions.

## Safe

### Overload & Overstroke Protection

A high pressure relief valve prevents lifting of excessive loads, while locking overloads applied to the ram. A fail-safe positive stop mechanism prevents overstroking of the ram by venting oil to the reservoir when the stroke limit is reached.

### Load Sustaining

When loads are to be sustained for significant time a screwed ram should be selected. Screwed rams do not rely on fluid pressure to hold the load.

## Easy and Versatile Operation

Operator control is provided by the hexagon key in the operating lever. Most models have three lever positions offering the most suitable operating height. The jacks can be used vertically or horizontally due to the carefully positioned breather.

## Low Clearance

Claw models are available for lifting loads with low ground clearance. Jacks with a claw must be fitted with an extended base and loads must not exceed the maximum specified as marked on the claw.

## Wide Range

Capacities from 20 to 100 tonne with stroke options from 6" to 18" and choice of plain, claw or screwed rams.

## Easy to Maintain

The jack design makes inspection and component replacement uncomplicated. Refer to service instructions for guidance.

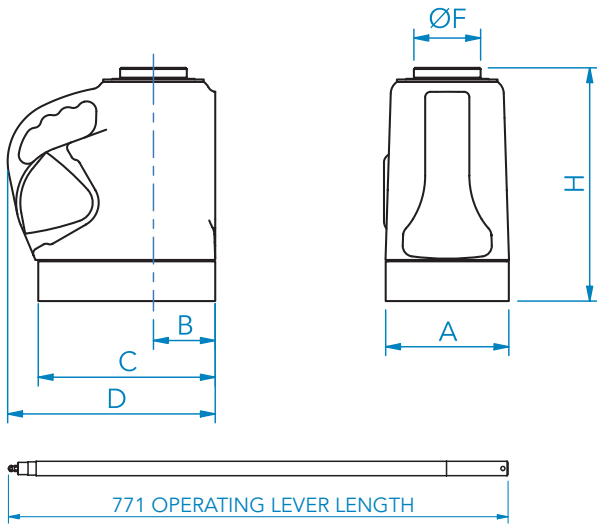
## Ready to Use

The drawbacks associated with using pumps and cylinders do not apply, Hydralite jacks are immediately ready for use.



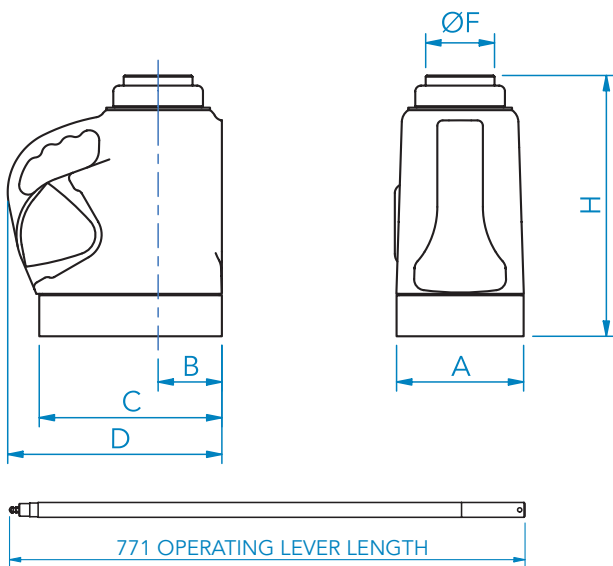
		Plain			Claw/Toe			Screwed			Extended Base		
Stroke (Inches)		6	12	18	6	12	18	6	12	18	6	12	18
Stroke (mm)		152	305	457	152	305	457	152	305	457	152	305	457
Load (Tonnes)	20	PS620	PS1220		PS620C	PS1220C		PS620S	PS1220S		PS620C1		
	30	PS630	PS1230		PS630C	PS1230C		PS630S	PS1230S		PS630C1		
	40			PS1840			PS1840C			PS1840S			
	60	PS660	PS1260		PS660C	PS1260C		PS660S	PS1260S		PS660C1		
	72	PS672Z											
	100	P6100						P6100S					
Claw Load (Tonnes)	8				PS620C	PS1220C							
	12				PS630C	PS1230C							
	16						PS1840C						
	24				PS660C	PS1260C							

# 150MM (6") PLAIN HYDRALITE



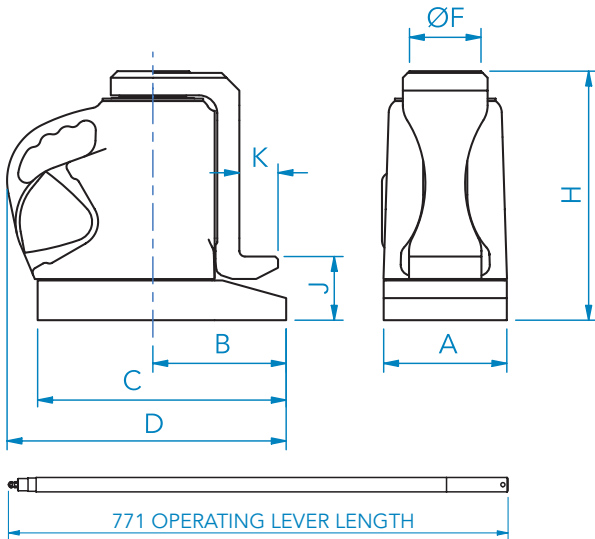
Product Code	PS620	PS630	PS660
Ram Capacity	20 Tonne	30 Tonne	60 Tonne
Oil Capacity	0.64 Litres	0.88 Litres	1.71 Litres
Stroke - mm (ins)	152 (6)	152 (6)	152 (6)
Lift per Stroke - mm (ins)	1.1 (0.042)	0.7 (0.026)	0.3 (0.013)
Weight	10.9 kg	15.4 kg	27.4 kg
Working Pressure	682 bar (9,900 PSI)	644 bar (9,350 PSI)	644 bar (9,350 PSI)
Maximum Effort on Lever	54 kg	52 kg	52 kg
Dimensions	mm (ins)	mm (ins)	mm (ins)
A - Width	121 (4.75)	140 (5.5)	190 (7.5)
B - Centre Ram to Face	60 (2.38)	70 (2.75)	92 (3.625)
C - Base Length	178 (7)	197 (7.75)	251 (9.875)
D - Overall Depth	214 (8.44)	235 (9.25)	286 (11.25)
F - Ram Diameter	60 (2.38)	76 (3)	108 (4.25)
H - Closed Height	263 (10.35)	263 (10.35)	293 (11.562)
<b>Service Kit Number</b>	<b>133506</b>	<b>133511</b>	<b>133518</b>

# 150MM (6") SCREWED HYDRALITE



Product Code	PS620S	PS630S	PS660S
Ram Capacity	20 Tonne	30 Tonne	60 Tonne
Oil Capacity	0.64 Litres	0.88 Litres	1.71 Litres
Stroke - mm (ins)	152 (6)	152 (6)	152 (6)
Lift per Stroke - mm (ins)	1.1 (0.042)	0.7 (0.026)	0.3 (0.013)
Weight	10.9 kg	15.4 kg	27.4 kg
Working Pressure	682 bar (9,900 PSI)	644 bar (9,350 PSI)	644 bar (9,350 PSI)
Maximum Effort on Lever	54 kg	52 kg	52 kg
Dimensions	mm (ins)	mm (ins)	mm (ins)
A - Width	121 (4.75)	140 (5.5)	190 (7.5)
B - Centre Ram to Face	60 (2.38)	70 (2.75)	92 (3.625)
C - Base Length	178 (7)	197 (7.75)	251 (9.875)
D - Overall Depth	214 (8.44)	235 (9.25)	286 (11.25)
F - Ram Diameter	60 (2.38)	76 (3)	108 (4.25)
H - Closed Height	263 (10.35)	263 (10.35)	293 (11.562)
<b>Service Kit Number</b>	<b>133930</b>	<b>133932</b>	<b>133935</b>

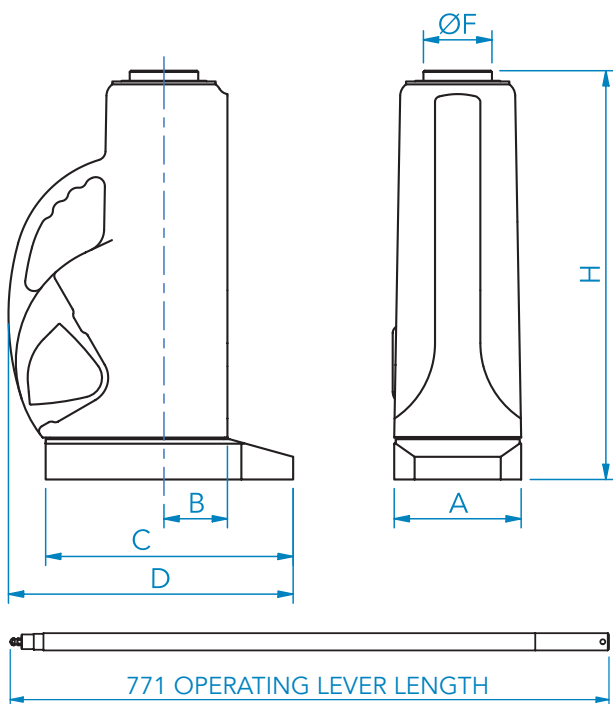
# 150MM (6") CLAW / TOE HYDRALITE



Product Code	PS620C	PS630C	PS660C
Ram Capacity	20 Tonne	30 Tonne	60 Tonne
Claw Capacity	8 Tonne	12 Tonne	24 Tonne
Oil Capacity	0.64 Litres	0.88 Litres	1.71 Litres
Stroke - mm (ins)	152 (6)	152 (6)	152 (6)
Lift per Stroke - mm (ins)	1.1 (0.042)	0.7 (0.026)	0.3 (0.013)
Weight of Jack	10.9 kg	15.4 kg	27.4 kg
Weight of Claw	3.6 kg	4.9 kg	15.7 kg
Working Pressure	682 bar (9,900 PSI)	644 bar (9,350 PSI)	644 bar (9,350 PSI)
Maximum Effort on Lever	54 kg	52 kg	52 kg
Dimensions	mm (ins)	mm (ins)	mm (ins)
A - Width	121 (4.75)	140 (5.5)	190 (7.5)
B - Centre Ram to Face	60 (2.38)	70 (2.75)	92 (3.625)
C - Base Length	178 (7)	197 (7.75)	251 (9.875)
D - Overall Depth	214 (8.44)	235 (9.25)	286 (11.25)
F - Ram Diameter	60 (2.38)	76 (3)	108 (4.25)
H - Closed Height	263 (10.35)	263 (10.35)	293 (11.562)
J - Base to Claw	67 (2.63)	73 (2.875)	73 (2.875)
K - Claw Depth	41 (1.61)	45 (1.77)	48 (1.89)
<b>Service Kit Number</b>	<b>133506</b>	<b>133511</b>	<b>133518</b>

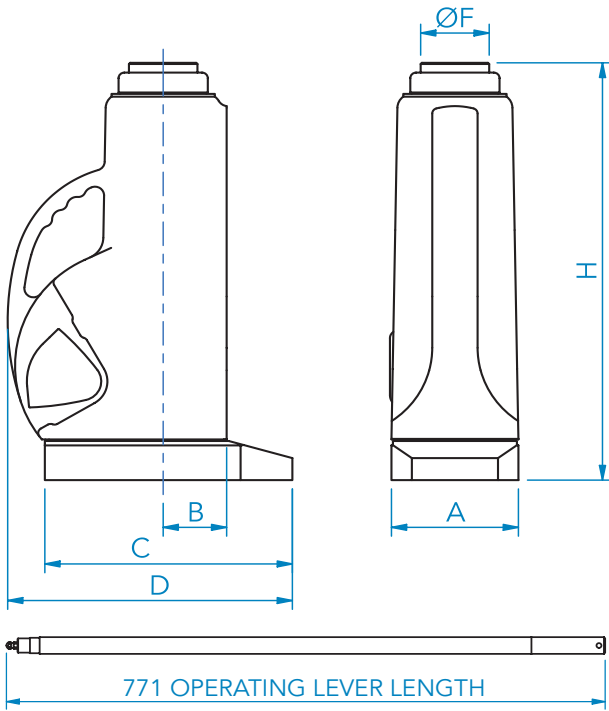


# 300MM (12") PLAIN HYDRALITE



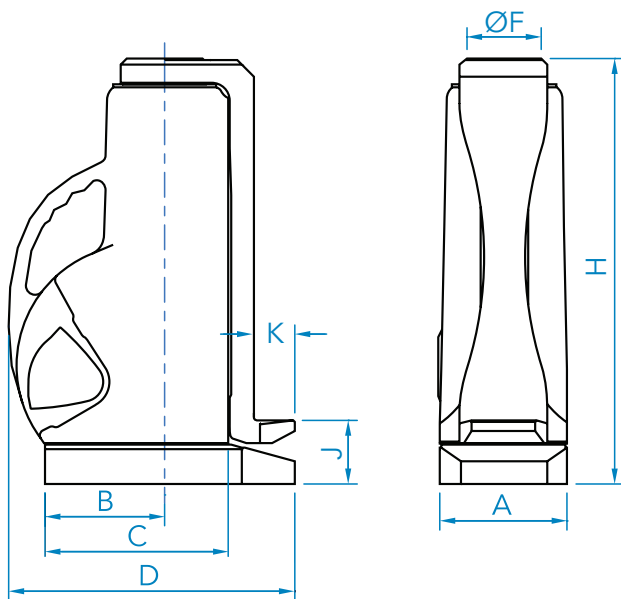
Product Code	PS1220	PS1230	PS1260
Ram Capacity	20 Tonne	30 Tonne	60 Tonne
Oil Capacity	1.14 Litres	1.71 Litres	2.84 Litres
Stroke - mm (ins)	305 (12)	305 (12)	305 (12)
Lift per Stroke - mm (ins)	1.1 (0.042)	0.7 (0.026)	0.3 (0.013)
Weight	16.7 kg	23.4 kg	43.7 kg
Working Pressure	682 bar (9,900 PSI)	644 bar (9,350 PSI)	644 bar (9,350 PSI)
Maximum Effort on Lever	54 kg	52 kg	52 kg
Dimensions	mm (ins)	mm (ins)	mm (ins)
A - Width	121 (4.75)	140 (5.5)	190 (7.5)
B - Centre Ram to Face	60 (2.38)	70 (2.75)	92 (3.625)
C - Base Length	246 (9.69)	273 (10.75)	339 (13.375)
D - Overall Depth	289 (11.38)	311 (12.25)	384 (15.375)
F - Ram Diameter	60 (2.38)	76 (3)	108 (4.25)
H - Closed Height	438 (17.25)	451 (17.75)	500 (19.687)
<b>Service Kit Number</b>	<b>133506</b>	<b>133511</b>	<b>133518</b>

# 300MM (12") SCREWED HYDRALITE



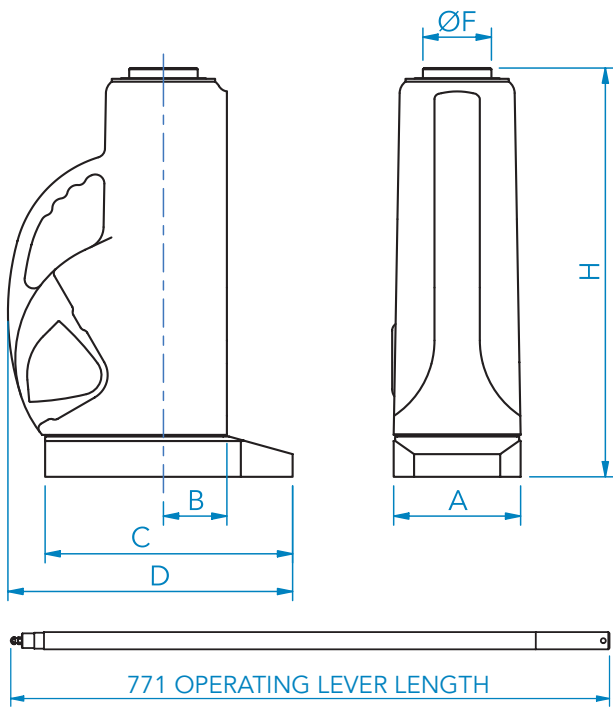
Product Code	PS1220S	PS1230S	PS1260S
Ram Capacity	20 Tonne	30 Tonne	60 Tonne
Oil Capacity	1.14 Litres	1.71 Litres	2.84 Litres
Stroke - mm (ins)	305 (12)	305 (12)	305 (12)
Lift per Stroke - mm (ins)	1.1 (0.042)	0.7 (0.026)	0.3 (0.013)
Weight	16.7 kg	23.4 kg	43.7 kg
Working Pressure	682 bar (9,900 PSI)	644 bar (9,350 PSI)	644 bar (9,350 PSI)
Maximum Effort on Lever	54 kg	52 kg	52 kg
Dimensions	mm (ins)	mm (ins)	mm (ins)
A - Width	121 (4.75)	140 (5.5)	190 (7.5)
B - Centre Ram to Face	60 (2.38)	70 (2.75)	92 (3.625)
C - Base Length	246 (9.69)	273 (10.75)	339 (13.375)
D - Overall Depth	289 (11.38)	311 (12.25)	384 (15.375)
F - Ram Diameter	60 (2.38)	76 (3)	108 (4.25)
H - Closed Height	438 (17.25)	451 (17.75)	500 (19.687)
<b>Service Kit Number</b>	<b>133930</b>	<b>133932</b>	<b>133935</b>

# 300MM (12") CLAW / TOE HYDRALITE



Product Code	PS1220C	PS1230C	PS1260C
Ram Capacity	20 Tonne	30 Tonne	60 Tonne
Claw Capacity	8 Tonne	12 Tonne	24 Tonne
Oil Capacity	1.14 Litres	1.71 Litres	2.84 Litres
Stroke - mm (ins)	305 (12)	305 (12)	305 (12)
Lift per Stroke - mm (ins)	1.1 (0.042)	0.7 (0.026)	0.3 (0.013)
Weight of Jack	16.7 kg	23.4 kg	43.7 kg
Weight of Claw	5.5 kg	7.6 kg	21.2 kg
Working Pressure	682 bar (9,900 PSI)	644 bar (9,350 PSI)	644 bar (9,350 PSI)
Maximum Effort on Lever	54 kg	52 kg	52 kg
Dimensions	mm (ins)	mm (ins)	mm (ins)
A - Width	121 (4.75)	140 (5.5)	190 (7.5)
B - Centre Ram to Claw	125 (4.94)	143 (5.625)	181 (7.125)
C - Base Length	246 (9.69)	273 (10.75)	339 (13.375)
D - Overall Depth	289 (11.38)	311 (12.25)	384 (15.375)
F - Ram Diameter	60 (2.38)	76 (3)	108 (4.25)
H - Closed Height	452 (17.88)	470 (18.5)	533 (21)
J - Base to Claw	67 (2.63)	73 (2.875)	73 (2.875)
K - Claw Depth	41 (1.61)	45 (1.77)	48 (1.89)
<b>Service Kit Number</b>	<b>133506</b>	<b>133511</b>	<b>133518</b>

# 450MM (18") PLAIN HYDRALITE

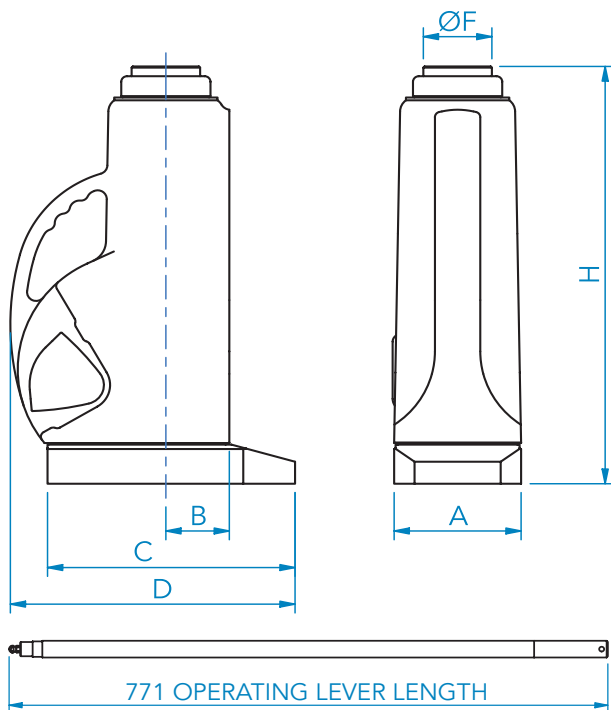


Product Code	PS1840
Ram Capacity	40 Tonne
Oil Capacity	3.7 Litres
Weight	47.7 kg
Working Pressure	632 bar (9166 PSI)
Maximum Effort on Lever	50 kg
Stroke - mm (ins)	457 (18)
Lift per Stroke - mm (ins)	0.5 (0.02)
Dimensions	mm (ins)
A - Width	190 (7.5)
B - Centre Ram to Face	79 (3.1)
C - Base Length	324 (12.8)
D - Overall Depth	378 (14.9)
F - Ram Diameter	89 (3.5)
H - Closed Height	686 (27)
<b>Service Kit Number</b>	<b>133529</b>

**TANGYE**



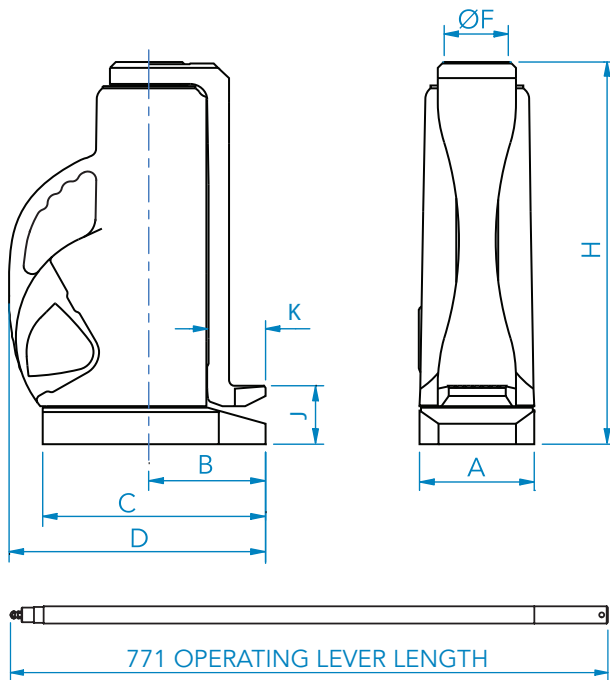
# 450MM (18") SCREWED HYDRALITE



Product Code	PS1840S
Ram Capacity	40 Tonne
Oil Capacity	3.7 Litres
Weight	47.7 kg
Working Pressure	632 bar (9166 PSI)
Maximum Effort on Lever	50 kg
Stroke - mm (ins)	457 (18)
Lift per Stroke - mm (ins)	0.5 (0.02)
Dimensions	mm (ins)
A - Width	190 (7.5)
B - Centre Ram to Face	79 (3.1)
C - Base Length	324 (12.8)
D - Overall Depth	378 (14.9)
F - Ram Diameter	89 (3.5)
H - Closed Height	686 (27)
<b>Service Kit Number</b>	<b>133934</b>



# 450MM (18") CLAW / TOE HYDRALITE



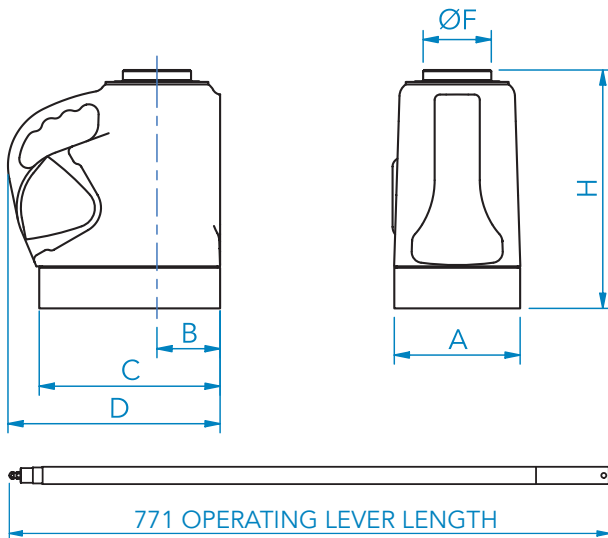
Product Code	PS1840C
Ram Capacity	40 Tonne
Claw Capacity	16 Tonne
Oil Capacity	3.7 Litres
Weight of Jack	47.7 kg
Weight of Claw	16.2 kg
Working Pressure	632 bar (9166 PSI)
Maximum Effort on Lever	50 kg
Stroke - mm (ins)	457 (18)
Lift per Stroke - mm (ins)	0.5 (0.02)
Dimensions	mm (ins)
A - Width	190 (7.5)
B - Centre Ram to Face	79 (3.1)
C - Base Length	324 (12.8)
D - Overall Depth	378 (14.9)
F - Ram Diameter	89 (3.5)
H - Closed Height	711 (28)
J - Base to Claw	63 (2.5)
K - Claw Depth	48 (1.9)
<b>Service Kit Number</b>	<b>133529</b>

**TANGYE**

# 72 TONNE HYDRALITE FOR AIRCRAFT

The 72 tonne Hydralite is specifically designed for aircraft maintenance; the jack's ram includes a custom socket design which makes it suitable for use with a number of different aircraft including:

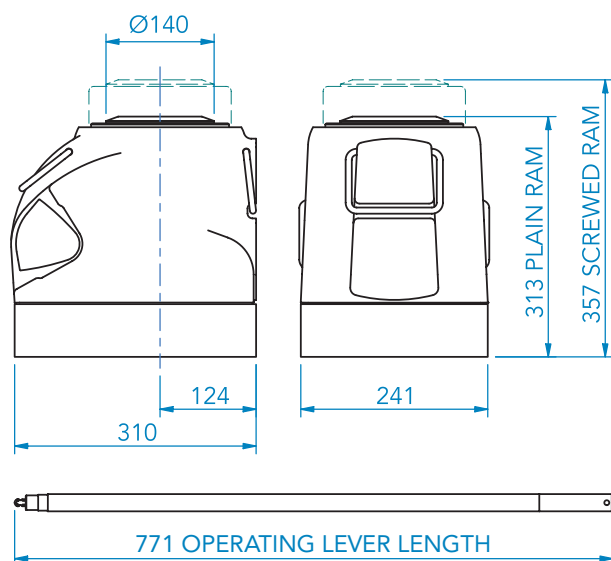
- MD80
- A320
- A330
- B737CL
- B737NG
- B767-2/300
- B767-400



Product Code	PS672Z
Ram Type	Plain
Ram Capacity	72 Tonne
Oil Capacity	1.71 Litres
Weight	36.5 kg
Working Pressure	771 bar (11,182 PSI)
Maximum Effort on Lever	50 kg
Stroke - mm (ins)	152 (6)
Lift per Stroke - mm (ins)	0.5 (0.02)
Dimensions	mm (ins)
A - Width	190 (7.5)
B - Centre Ram to Face	92 (3.6)
C - Base Length	251 (9.9)
D - Overall Depth	286 (11.3)
F - Ram Diameter	108 (4.3)
H - Closed Height	299 (11.8)
Service Kit Number	133518

# 100 TONNE HYDRALITE

The 100 tonne Hydralite is powered by two internal pumps. The low pressure, fast-speed plunger moves the ram out quickly, up to a load about 8 tonnes on the ram, before transfer to the high pressure plunger becomes necessary. The lift of the ram per stroke of the lever is 1.1 mm on low pressure and 0.1 mm on high pressure.



Product Code	P6100	P6100S
Ram Type	Plain	Screwed
Ram Capacity	100 Tonne	
Oil Capacity	2.23 Litres	2.3 Litres
Weight	49 kg	53 kg
Working Pressure	640 bar (9280 PSI)	
Maximum Effort on Lever	79 kg	
Stroke - mm (ins)	152 (6)	
Lift per Stroke High - mm (ins)	0.1 (0.005)	
Lift per Stroke Low - mm (ins)	1.1 (0.043)	
<b>Service Kit Number</b>	<b>995058</b>	

**TANGYE**