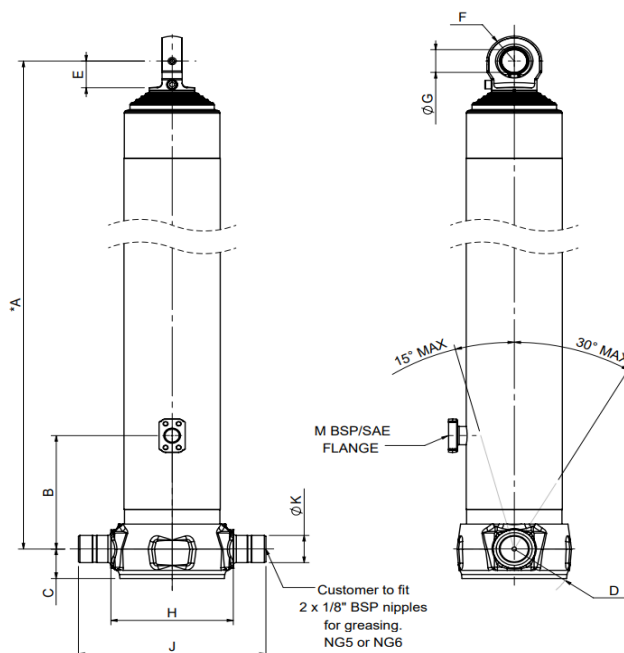


Datasheet for Cylinder HP170S57105S25A02

5 stage cylinder with trunnion mount & spherical eye



Final Stage Chrome Plated

Approx. weight 267kg

SPECIFICATION		TIPPING CAPACITY 26-38 TONNES			TIPPING CAPACITY AT WORKING PRESSURE									
Stage	Tube Diameter (mm)	Length (mm)	Stroke (mm)	Swept Volume (litres)										
Base	191	1635	----	-										
1st Stage	169	1625	1413	31.7										
2nd Stage	149	1625	1423	24.8										
3rd Stage	129	1625	1423	18.6										
4th Stage	110	1625	1423	13.5										
5th Stage	91	1650	1423	9.3										
		Total	7105											

Diagram illustrating the tipping mechanism. The body length is BL. The distance from the pivot to the point of application of the force W is L. The horizontal distance from the pivot to the point of application of the force W is OH. The angle of tipping is θ . The formula $L = BL/2 - OH$ is shown. The bracket length d is 150.

BL	9800			9350			8900		
OH	200	500	800	200	500	800	200	500	800
θ	43°	45°	46°	46°	47°	49°	48°	50°	52°
r	600	26	27	29	26	28	30	27	29
	900	27	29	31	28	30	32	29	31
	1200	28	30	33	30	32	35	31	34

Higher working pressures and tipping capacities may be possible.
To check your application email - applications@edbro.co.uk

APPLICATION INFORMATION					
Working Pressure	151	bar	Swept Oil Volume	97.9	litres
Maximum Pressure	250	bar	Priming Volume	7.4	litres
Maximum 1st Stage Thrust	350	kN	Total Volume	105.3	litres

DIMENSIONS										
A	1729	mm	D	123	mm	ØG	50.025 50.000	mm	ØK	60.00 59.90
B	250	mm	E	58	mm	H	245	mm		
C	65	mm	F	55	mm	J	375	mm	M	1" SAE / G1"

Notes	
1.	This cylinder is intended for lifting purposes only and side load conditions should be avoided.
2.	Cylinder is painted in primer to RAL5013
3.	Refer to www.edbro.com for:- <ul style="list-style-type: none"> Bracket details Installation instructions that must be observed Correct oil selection An explanation of tipping capacity

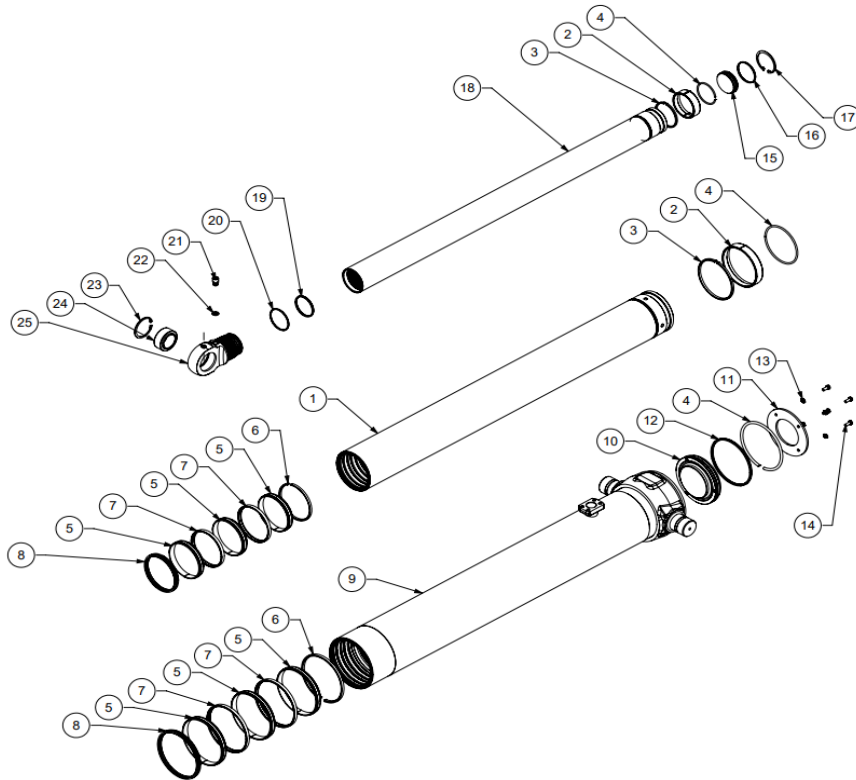
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Technical Specifications are subject to change without notice
Date Created/Updated: 26/11/24
Refer www.edbro.com to confirm latest specification
All dimensions are in mm, unless otherwise stated

HP170S57105S25A02 Spare Parts Diagram

5 stage cylinder with trunnion mount & spherical eye



PARTS	REF	PART NUMBERS					
Base tube	9	HPBA191S25011635					
		1st Stage	2nd Stage	3rd Stage	4th Stage	5th Stage	
Inters	1	HPIN1690011625	HPIN1490011625	HPIN1290011625	HPIN1100011625		
Small Inner	18	HPSI091A0011650C					
Seal Kit		SKPB175/01 (SEALS ARE SOLD AS A KIT ONLY - INDIVIDUAL PARTS ARE UNAVAILABLE)					
		Base tube	1st Stage	2nd Stage	3rd Stage	4th Stage	5th Stage
Main Seals	7	SAM169/12	SAM149/12	SAM129/12	SAM110/12	SAM91/12	
Head Bearings	5	BRH169/12	BRH149/12	BRH129/12	BRH110/12	BRH91/12	
Wiper Seal	8	EWM169/12	EWM149/12	EWM129/12	EWM110/12	EWM91/12	
Base Pad Seal	12	OR161/5.33/N/70	OR161/5.33/N/90/AE				
Blanking Plug Seal	16	OR71/2.62/N/70	OR71/2.62/N/90/AE				
Cross Head Seals	19 & 20	OR73/3.53/N/70	OR69/3.53/N/70	OR69/3.53/N/90/AE			
		Base tube	1st Stage	2nd Stage	3rd Stage	4th Stage	5th Stage
Spring washer	13	WS550/M8/ZP					
Bolts	14	BM8/C/20/ZP					
Snap Ring	4	SRM175/02	SRM155/01	SRM135/01	SRM116/01	SRM97/01	SRM78/05
Internal Stop Ring	6	SRM180/07	SRM159/07	SRM139/07	SRM119/07	SRM81/07	
External Stop Ring	3		SRM163/06	SRM144/06	SRM124/06	SRM106/06	SRM87/06
Slider Bearing	2		BRS169/02	BRS149/02	BRS129/02	BRS110/02	BRS91/02
Locking Screw		KE74					
Cross Head	25	RCE91/01					
Bearing	24	BJ37					
Circlip	23	PS149/75					
Bleed Plug	21	PA39					
Dowty Washer	22	DPP45B/SC					
Base pad	10	RBM191/01					
Base Pad Ring	11	BPR191/01					
Blanking Plug	15	EC91/02					
Blanking Plug Clip	17	PS149/80					