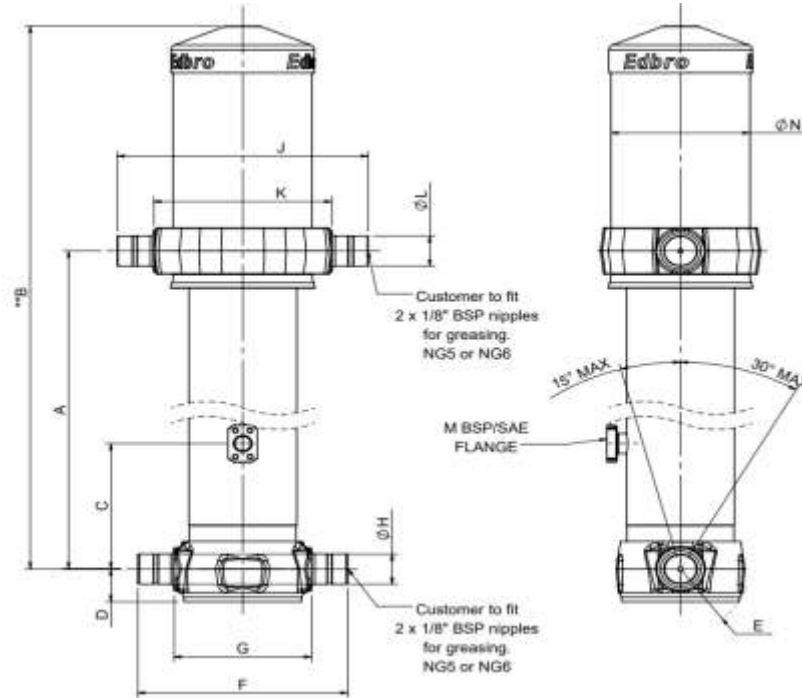


Datasheet for Cylinder HP170055230S19A11

5 stage cylinder with trunnion mount & outer cover



** Allow 50mm to remove cap for servicing

Approx. weight 266kg

SPECIFICATION					TIPPING CAPACITY 42-85 TONNES									
Stage	Tube Diameter (mm)	Length (mm)	Stroke (mm)	Swept Volume (litres)										
Base	191	1260	----	-										
1st Stage	169	1250	1038	23.3										
2nd Stage	149	1250	1048	18.3										
3rd Stage	129	1250	1048	13.7										
4th Stage	110	1250	1048	10										
5th Stage	91	1250	1048	6.8										
Total			5230											

Diagram illustrating the tipping mechanism dimensions:

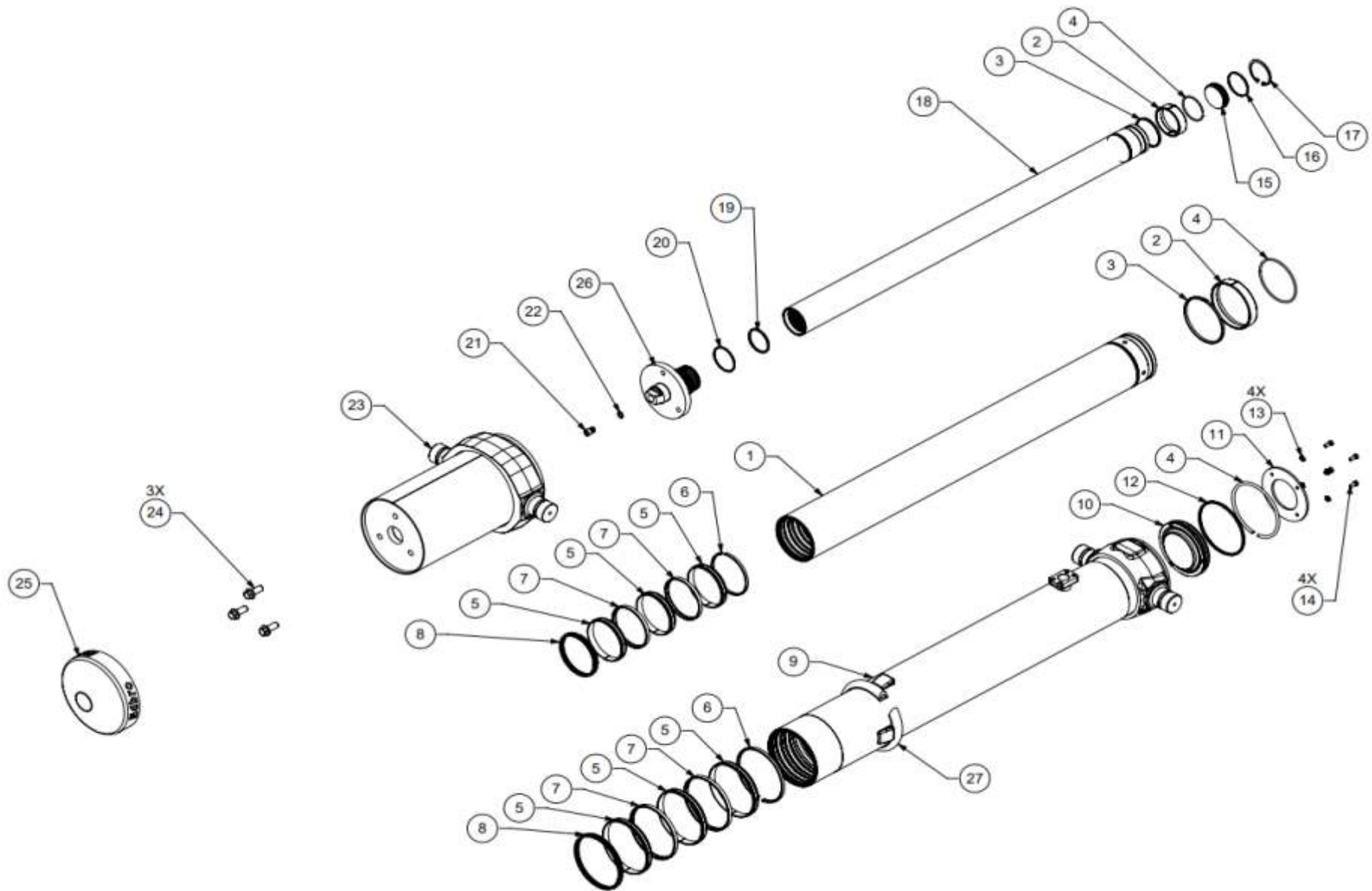
- Body Length (BL)
- $L = BL/2 - OH$
- OH
- W
- Angle θ
- Bracket length $d = 229$

TIPPING CAPACITY AT WORKING PRESSURE										
	BL	7200			6850			6500		
OH	0	500	800	0	500	800	0	500	800	
θ	41°	45°	47°	44°	47°	50°	46°	50°	53°	
600	42	48	53	43	50	57	45	53	61	
r	900	45	52	59	47	56	64	49	60	71
1200	48	57	66	50	62	73	53	68	85	

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

HP170055230S19A11 Spare Parts Diagram

5 stage cylinder with trunnion mount & outer cover



PARTS	REF	PART NUMBERS						
Base tube	9	HPBA191S19A11011260						
		1st Stage	2nd Stage	3rd Stage	4th Stage	5th Stage		
Inters	1	HPIN1690011250	HPIN1490011250	HPIN1290011250	HPIN1100011250			
Small Inner	18	HPSI091A0011250						
Outer Cover	23	6221051060						
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	6th 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					
3 Bolt Fixing 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	6th 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	SRM78/05		
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	
Anti Rattle Ring	27	ARK191/01						
Locking Screw		KE74						
3 Bolt Fixing	26	REM91/01						
Bleed Plug	21	PA39						
Dowty Washer	22	DPP45B/SC						
Cover Bolts	24	KS289/M16/040						
Base pad	10	RBM191/01						
Base Pad Ring	11	BPR191/01						
Blanking Plug	15	EC91/02						
Blanking Plug Clip	17	PS149/80						
Outer cover cap	25	OCM248/01						