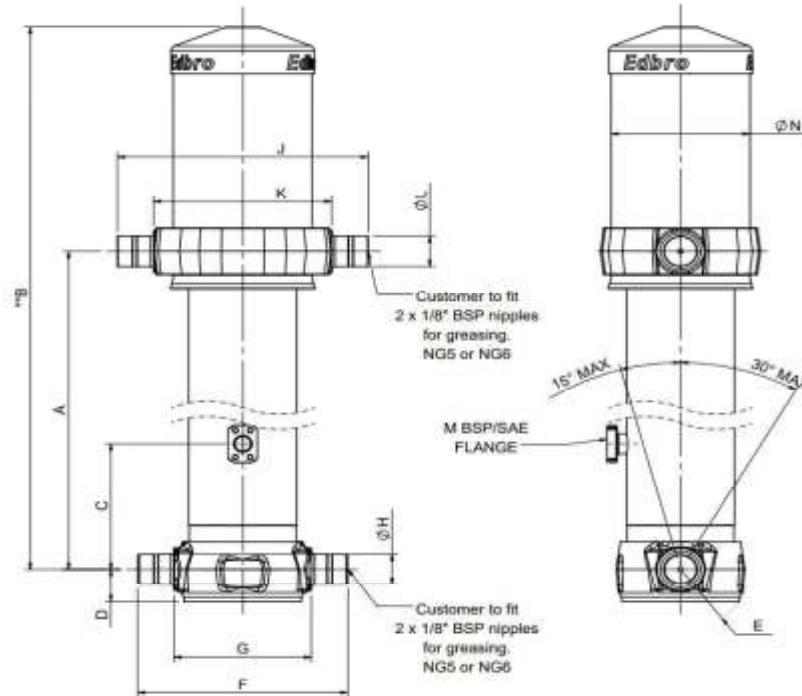


Datasheet for Cylinder HP170058980S19A11

5 stage cylinder with trunnion mount & outer cover



** Allow 50mm to remove cap for servicing

Approx. weight 393kg

SPECIFICATION

TIPPING CAPACITY 26-36 TONNES

TIPPING CAPACITY AT WORKING PRESSURE

Bracket length d = 229

Stage	Tube Diameter (mm)	Length (mm)	Stroke (mm)	Swept Volume (litres)
Base	191	2010	----	-
1st Stage	169	2000	1788	40.1
2nd Stage	149	2000	1798	31.4
3rd Stage	129	2000	1798	23.5
4th Stage	110	2000	1798	17.1
5th Stage	91	2000	1798	11.7
Total			8980	

BL	12300			11750			11200		
OH	0	500	800	0	500	800	0	500	800
θ	42°	44°	45°	44°	46°	48°	46°	49°	50°
600	26	28	29	27	29	30	27	30	31
r	900	27	29	31	28	30	32	29	31
1200	28	30	32	32	29	32	34	30	33

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

APPLICATION INFORMATION									
Working Pressure	158	bar	Swept Oil Volume	123.7	litres				
Maximum Pressure	250	bar	Priming Volume	9.2	litres				
Maximum 1st Stage Thrust	350	kN	Total Volume	133	litres				

DIMENSIONS														
A	345	mm	D	65	mm	G	245	mm	K	318	mm	ØN	248	mm
B	2136	mm	E	123	mm	ØH	60.00 59.90	mm	ØL	60.00 59.90	mm			
C	190	mm	F	375	mm	J	448	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 RAL9005
3.	Refer to www.edbro.com for:- - Bracket details - Installation instructions that must be observed - Correct oil selection - An explanation of tipping capacity

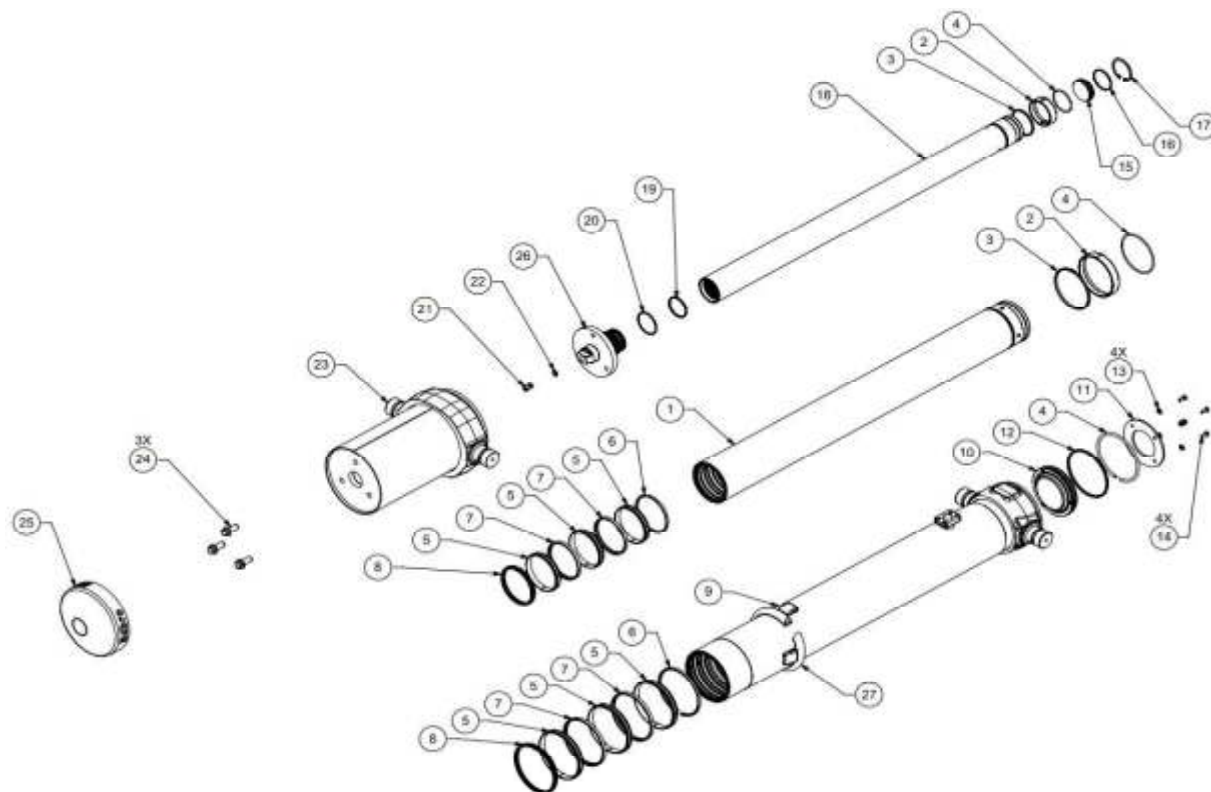
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HTH HOPPE

HP170058980S19A11 Spare Parts Diagram

5 stage cylinder with trunnion mount & outer cover



PARTS	REF	PART NUMBERS					
Base tube	9	HPBA191S19A11012010					
		1st Stage	2nd Stage	3rd Stage	4th Stage	5th Stage	
Inters	1	HPIN1690012000	HPIN1490012000	HPIN1290012000	HPIN1100012000		
Small Inner	18	HPSI091A0012000					
Outer Cover	23	6221051810					
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				
3 Bolt Fixing Seals	19 & 20	OR73/3.53/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	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					