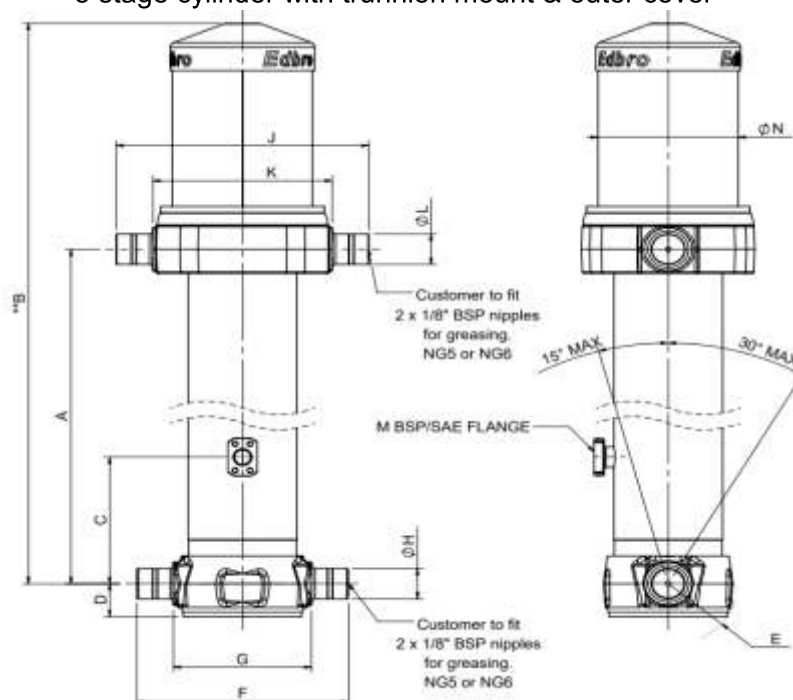


Datasheet for Cylinder HP190F510480S19A11

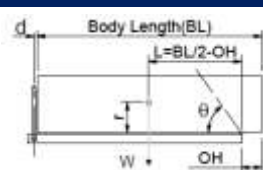
5 stage cylinder with trunnion mount & outer cover



** Allow 50mm to remove cap for servicing

Approx. weight 572kg

SPECIFICATION					TIPPING CAPACITY 36-46 TONNES									
Stage	Tube Diameter (mm)	Length (mm)	Stroke (mm)	Swept Volume (litres)										
Base	214	2310	----	-										
1st Stage	191	2300	2088	59.8										
2nd Stage	169	2300	2098	47.1										
3rd Stage	149	2300	2098	36.6										
4th Stage	129	2300	2098	27.4										
5th Stage	110	2300	2098	19.9										
		Total	10480											



Bracket length d = 229

TIPPING CAPACITY AT WORKING PRESSURE										
BL	14400			13750			13100			
OH	200	500	800	200	500	800	200	500	800	
θ	43°	44°	45°	45°	46°	47°	47°	48°	50°	
600	36	38	39	37	39	40	38	40	42	
r	900	37	39	40	39	40	42	40	42	44
1200	39	40	42	40	42	44	41	44	46	

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

APPLICATION INFORMATION									
Working Pressure	150	bar	Swept Oil Volume	190.8	litres				
Maximum Pressure	250	bar	Priming Volume	12.8	litres				
Maximum 1st Stage Thrust	250	kN	Total Volume	203.6	litres				

DIMENSIONS														
A	345	mm	D	65	mm	G	245	mm	K	362	mm	ØN	289	mm
B	2433	mm	E	147	mm	ØH	60.00 59.90	mm	ØL	70.00 69.90	mm			
C	190	mm	F	375	mm	J	518	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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