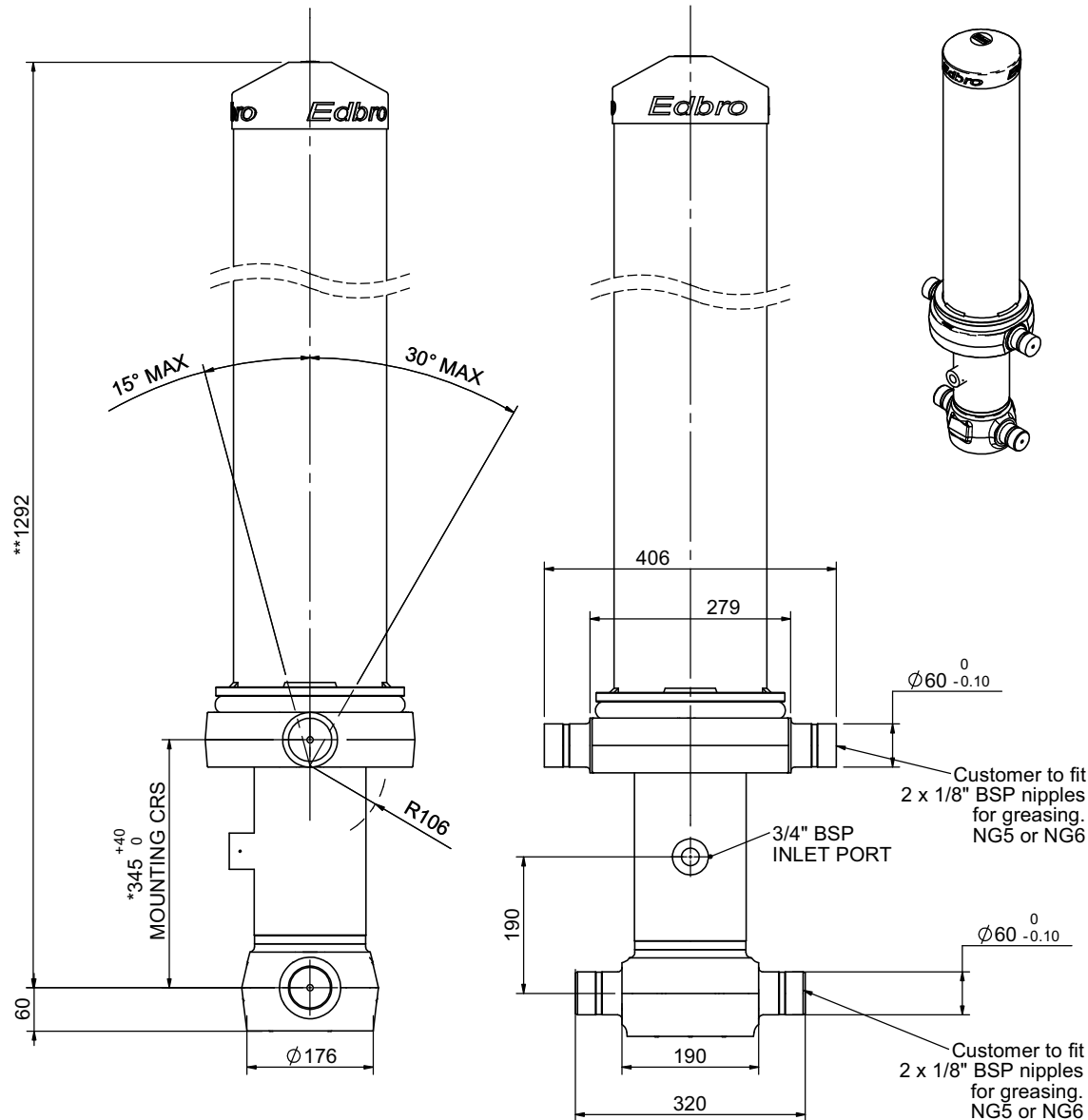


Cylinder 4 stage front end with outer cover

****ALLOW 50mm TO REMOVE CAP FOR SERVICING**



*Includes 14mm Pull Out.

CS130044041B19A11

SPECIFICATION

TIPPING CAPACITY : 27-42 TONNES***

Stage	Diameter	Length	Stroke	Swept Volume
-	-	-	-	-
OUTER COVER	213	905	-	-
0	155	1225	-	-
1	136	1190	983	14
2	117	1190	1012	11
3	98	1190	1017	8
4	79	1190	1022	5
Total (+5/-10)			4034	38
Final stroke reduced by	0	Priming Volume		10
Cylinder Mass (Kg)	156	Total Volume (Litres)		48
Maximum Pressure (Bar)	190	Max. first stage thrust		170

***TIPPING CAPACITY AT WORKING PRESSURE

The diagram illustrates the geometry of a crane boom. It shows a horizontal boom of length $L = BL/2 - OH$ attached to a vertical body of length BL . The boom has a diameter d and a weight W . The tipping angle θ is shown at the base of the boom. The offset height OH is the vertical distance from the base of the boom to the center of the body.

BODY LENGTH (BL)						OH
		4900	5150		5400	
30	49°	28	46°	27	44°	150
36	52°	33	49°	31	47°	450
		42	53°	37	50°	750

$d = 178$; $r = 750$; Working Pressure 175 bar

Tipping angle (θ)

Body + payload mass, W (tonne)

NOTES

1. This cylinder is for lifting purposes only and sildoad conditions should be avoided
2. Cylinder is painted in primer to RAL9005

Edbro

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