



Wye Cylinder Engineering

Manufacturers of hydraulic cylinders,
sub contract C.N.C. machining,
cylinder tube honing

Piston type multi stage cylinders



Within this range there are many sizes and combinations available from stock. The design / construction of this cylinder can cover a wide range of tipping, lifting & general applications within agricultural industry.

The range has and continues to grow, for volume enquiries cylinders can be manufactured to customer's preferred lengths i.e. closed centres & stroke.

This range can be made in single stage up to four stages.

Cylinder Example

2 stage: 12/8 3 stage: 12/8/5 4 stage: 17/12/8/5

12/8/5 represents the tonnage available from each stage, calculated at a working pressure of 138 bar (2000 psi) – max working pressure 200 bar (2900 psi).
– Figures shown are relative to a vertical lift.

Also within our range:

Double acting cylinders

Single acting cylinders

Brake cylinders

Displacement cylinders

Displacement type multi stage cylinders

Double acting multi stage cylinders

Customer specific cylinders

General Specification

All cylinder stages are manufactured from high quality smooth bore tube and bright drawn bar. For more hardius working conditions we can offer a chromed version where the stages are hard chrome plated, this in turn will offer some protection against corrosion.

Standard Features throughout the range

- 1 Very hard wearing polyurethane piston seals fitted to all stages.
- 2 All pistons are fitted with a separate bearing ring/s for added support.
- 3 All gland nuts are fitted with either PTFE or Acetal bearing strip chosen for extensive wear and low friction Properties.
- 4 Each stage when closing is being wiped by a high quality wiper ring, which has been designed specifically to keep out the maximum amount of contamination.
- 5 All gland nuts are headed for easy retraction, reducing servicing down time.

A number of cylinders from the chart below can be supplied from stock. It is also possible to develop further sizes and lengths within these combinations for new equipment design.

AGRICULTURAL TIPPING CYLINDERS

	Part No	Stage Tonnage's	Closed Crs	Open Crs	Stroke	Pin Dia	Rod Dia	Base Dia	Port Size (F)
			STANDARD DESIGN						
2 Stage	C916/A	4/2	533 mm	1233 mm	700 mm	20 mm	31.75 mm	70 mm	3/8" BSP
	C916/B	4/2	660 mm	1613 mm	953 mm	20 mm	31.75 mm	70 mm	3/8" BSP
	C916/C	4/2	737 mm	1844 mm	1107 mm	20 mm	31.75 mm	70 mm	3/8" BSP
	NEW	5/3	AS REQD	TBA	TBA	20/22 mm	38.10 mm	80 mm	3/8" BSP
	C905/B	7/4	914 mm	2298 mm	1384 mm	25.4 mm	44.45 mm	90 mm	1/2" BSP
	C905/E	7/4	660 mm	1613 mm	953 mm	25.4 mm	44.45 mm	90 mm	1/2" BSP
	C909/A	10/5	876 mm	2251 mm	1375 mm	25.4 mm	44.45 mm	100 mm	1/2" BSP
	C909/C	10/5	876 mm	2251 mm	1375 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C909/C	10/5	673 mm	1642 mm	969 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C909/E	10/5	914 mm	2298 mm	1384 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C909/F	10/5	1067 mm	2820 mm	1753 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C909/G	10/5	978 mm	2565 mm	1587 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C909/J	10/5	711 mm	1746 mm	1035 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C902/B	12/8	1067 mm	2794 mm	1727 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP
C902/C	12/8	914 mm	2317 mm	1403 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP	
C902/E	12/8	711 mm	1708 mm	997 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP	

3 Stage	NEW	7/4/2	AS REQD	TBA	TBA	20 mm	31.75 mm	90 mm	1/2" BSP
	NEW	8/5/3	AS REQD	TBA	TBA	20/22 mm	38.10 mm	100 mm	1/2" BSP
	C901/A	10/7/4	924 mm	2917 mm	1993 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C901/B	10/7/4	876 mm	2770 mm	1894 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C901/D	10/7/4	711 mm	2131 mm	1420 mm	25.4 mm	44.45 mm	105 mm	1/2" BSP
	C900/B	12/8/5	914 mm	2945 mm	2031 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP
	C900/C	12/8/5	1092 mm	3540 mm	2448 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP
	C900/E	12/8/5	1016 mm	3338 mm	2322 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP

'HS' HIGH SPEC DESIGN

3 Stage	HS900/B	12/8/5	914 mm	2915 mm	2001 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP	
	HS903/B	12/8/5	1245 mm	4065 mm	2820 mm	31.75 mm	50.8 mm	120 mm	1/2" BSP	
	NEW	14/8/5	AS REQD	TBA	TBA	31.75 mm	50.8 mm	127 mm	1/2" BSP	
	HS911/A	17/10/7	1085 mm	3473 mm	2388 mm	35 mm	50.8 mm	146 mm	1/2" BSP	Chromed Stages
	HS911/B	17/10/7	1161 mm	3777 mm	2616 mm	35 mm	50.8 mm	146 mm	1/2" BSP	Chromed Stages
	NEW	17/12/8	AS REQD	TBA	TBA	31.75 mm	50.8 mm	146 mm	1/2" BSP	

4 Stage	NEW	17/12/8/5	AS REQD	TBA	TBA	38.1 mm	50.8 mm	146 mm	1/2" BSP
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NOTES – 1 All tonnage's shown in column two have been calculated @ 2000 PSI (138 BAR). 2 All the above cylinders can be supplied with chromed stages if required. 3 HS911/A & HS911/B are supplied with chromed stages as standard. 4 If required we may be able to develop any of the above cylinders in to a displacement design more inline with a commercial specification.

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