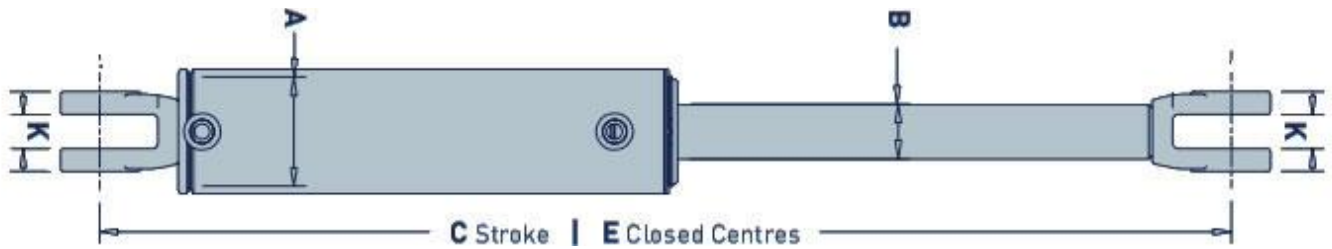


Technical Data – Hydraulic Cylinders

ASAE Agricultural Clevis Type



Cylinder Dimensions – Motus® Ultra

A Bore	B Shaft Dia	C Stroke	E Closed Centres	F Pin Dia	H Port Size	K Clevis Width
1.50"	0.75"		Stroke + 6.50"	0.75"	9/16" - UNO	19mm
2.00"	1.00"		Stroke + 12.25"	0.75"	9/16" - UNO	19mm
2.50"	1.50"		Stroke +12.25"	1.00"	3/4" - UNO	28mm
3.00"	1.50"		Stroke +12.25"	1.00"	3/4" - UNO	28mm
3.50"	1.75"		Stroke +12.25"	1.00"	3/4" - UNO	28mm
4.00"	2.00"		Stroke +12.25"	1.00"	7/8" - UNO	28mm

Cylinder Table Force (Kilograms Force -kgf)

Bore	500 PSI 34 Bar kgf		1000 PSI 69 Bar kgf		1500 PSI 103 Bar kgf		2000 PSI 138 Bar kgf		2500 PSI 172 Bar kgf		3000 PSI 206 Bar kgf	
	<i>Extend</i>	<i>Retract</i>	<i>Extend</i>	<i>Retract</i>	<i>Extend</i>	<i>Retract</i>	<i>Extend</i>	<i>Retract</i>	<i>Extend</i>	<i>Retract</i>	<i>Extend</i>	<i>Retract</i>
1.50"	393	295	786	598	1,195	893	1,580	1,193	1,988	1,488		
2.00"	717	510	4,437	1,040	2,141	1,549	2,855	2,070	3,759	5,579		
2.50"	1,080	704	2,192	1,427	3,263	2,130	4,384	2,865	4,384	2,865	6,546	4,272
3.00"	1,600	1,142	3,206	2,314	4,809	3,446	6,412	4,619	8,015	5,761	9,279	6,893
3.50"	2,182	1,662	4,364	3,385	6,546	5,047	8,278	6,760	10,910	8,443	13,358	10,096
4.00"	2,850	2,182	5,700	4,415	8,550	6,434	11,400	8,626	14,250	10,707	16,519	12,848
5.00"	4,453	3,548	8,906	7,199	13,359	10,707	17,813	14,378	22,266	17,947	25,798	21,516

- Actual force is dependent on frictional loss