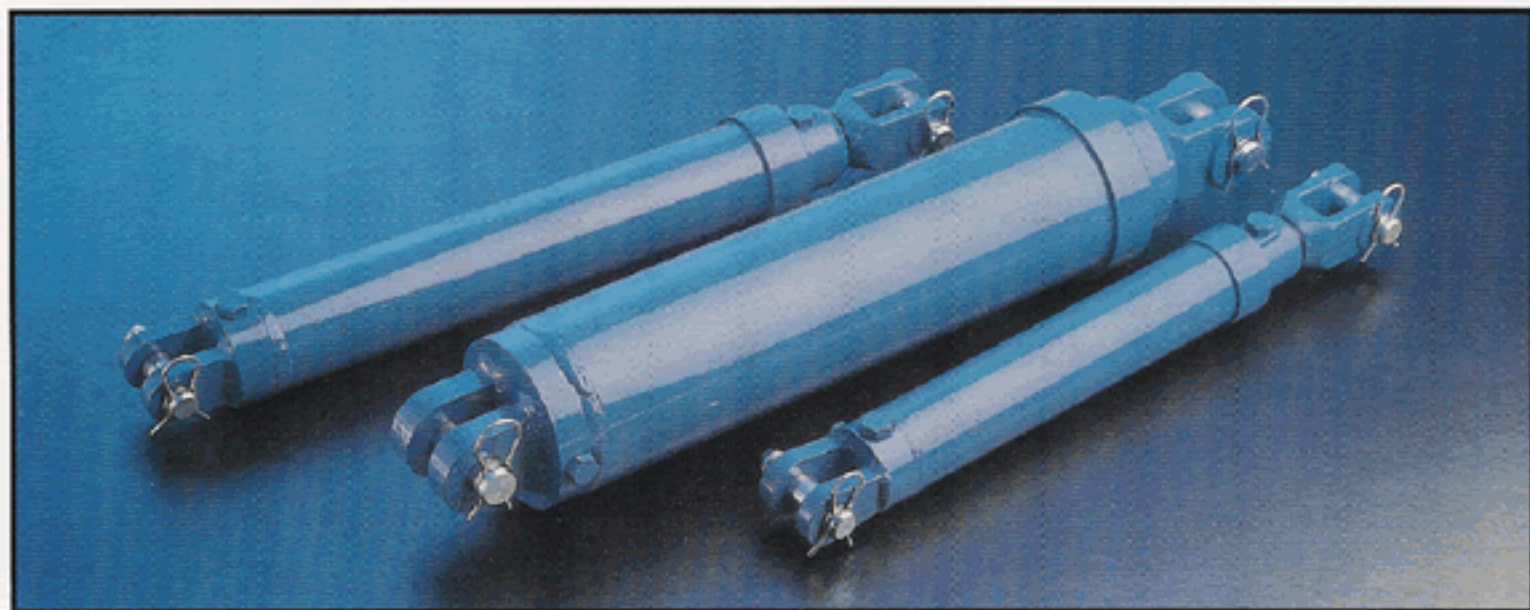


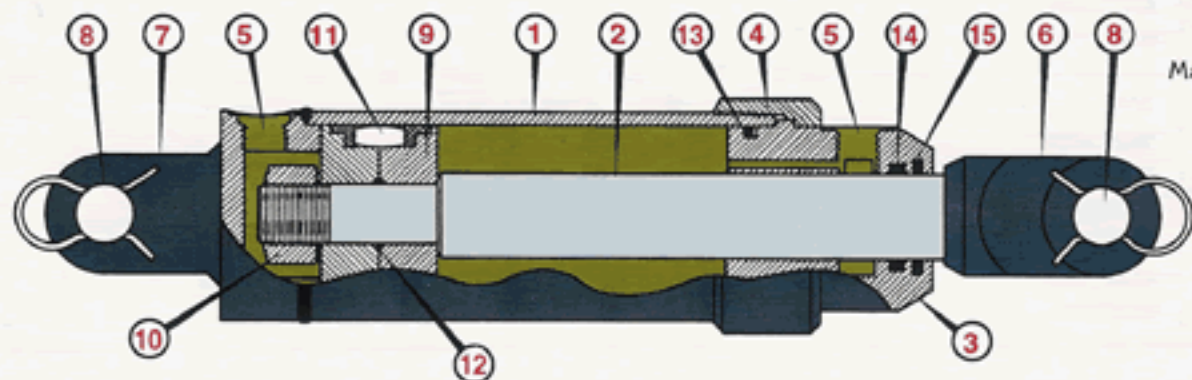
Super-Ag series

HEAVY DUTY AGRICULTURAL TYPE HYDRAULIC CYLINDERS



Baker Hydraulic's "Super-Ag series" Hydraulic Cylinders have been developed as a complimentary range to the highly successful "Apex II series".

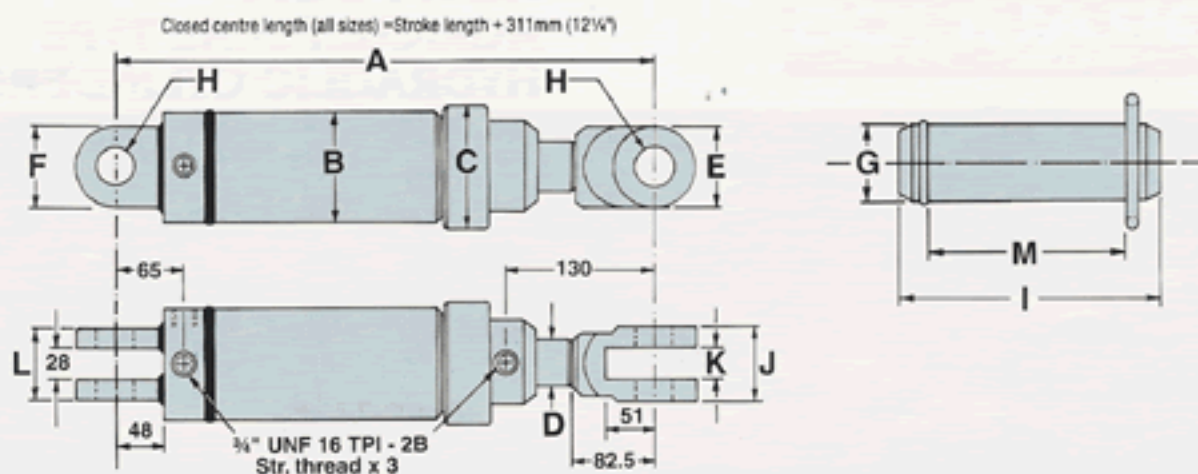
Designed to suit the more arduous application, where a heavier duty industrial style cylinder is required.



- 1. Cylinder Barrel** - Machined from cold drawn seamless Hydraulic Tube according to ASTM A513, Grade 1026 SRA, stress relieved, precision honed and welded.
- 2. Piston Rod** - Machined from hard chrome Steel Bar Grade 1045 (Tensile strength 52 tons - 800 MPa) cold drawn, precision ground and hard chrome plated with a minimum deposit of .025mm (.001").
- 3. Gland** - Machined from high strength Ductile Iron Castings up to AS1831 Grade 800 (Tensile strength 52 tons - 800MPa)
- 4. Gland Retaining Nut** - Internally threaded for easy seal access and machined from ASTM A513 Grade 1026 steel (Tensile strength 38 tons - 585 MPa).
- 5. Ports** - Three (3) standard 3/4" UNF O' ring ports machined flush with the cylinder barrel. The additional third port in the end cap provides a side-port option and is supplied fitted with steel UNF O' ring plug. The gland port can be rotated as required.
- 6. Rod Knuckle** - Screw on cast knuckle, material high strength Ductile Iron to AS1831 Grade 400 (Tensile strength 26 tons - 400 MPa). Machined for standard clevis pin and clearance for 1" lug.
- 7. Cylinder Clevis** - Fabricated from AISI Grade 1020 Steel machined for standard pin and clearance for 1" lug.
- 8. Clevis pins and Linch pins** - Pins and Linch pins are supplied with all Super-Ag cylinders. Pins are machined from AISI Grade 1030 Steel (Tensile strength 36 tons - 555 MPa) and zinc plated to AS1789. Refer chart for sizes.

- 9. Piston** - comprises two (2) identical halves, precision machined from AISI grade 1020 steel to suit heavy duty industrial seals.
 - 10. Piston Nut** - Machined from High Grade Alloy Steel to AS2465 Grade 8 (Tensile strength 67 tons - 1030MPa).
 - 11. Seal - Piston to Barrel** - Robust heavy duty high pressure seal assembly comprising an industrial double acting fluid seal supported by two (2) "L" shaped polyacetal bearing rings.
 - 12. Seal - Piston to Piston Rod** - O' ring positive seal to piston and piston rod.
 - 13. Gland Seal - Gland to Barrel** - O' ring with contour shaped back up ring.
 - 14. Gland Seal - Gland to Piston Rod** - Double lipped single acting seal.
 - 15. Rod Wiper** - Flexible wiper seal with effective scraping lip and pressure relief nibs.
- Working pressures up to 3000psi (207bar) & can vary according to bore diameter and length of stroke.
 - Super-Ag Cylinders are available in a wide range of standard bore sizes and strokes. Refer chart over-leaf for details.
 - Non standard stroke Super-Ag Cylinders to the same exacting standards can also be manufactured on request.
 - Baker Hydraulics' Super-Ag Cylinders can be easily identified by a four digit number stamped into the barrel at the rear clevis end.

INSTALLATION DIMENSIONS



BORE x STROKE inches [mm]	A CLOSED CENTRES inches [mm]	B mm	C mm	D mm	E mm	F mm	G inches	H mm	I mm	J mm	K mm	L mm	M mm	JOURNAL THREAD inches	APPROX MASS Kg
2.5" x 8" [203] 2.5" x 12" [305] 2.5" x 16" [406] 2.5" x 18" [457] 2.5" x 20" [506] 2.5" x 24" [610] 2.5" x 30" [762] 2.5" x 36" [914] 2.5" x 48" [1219]	20.25" [514] 24.25" [616] 28.25" [718] 30.25" [768] 32.25" [819] 36.25" [921] 42.25" [1073] 48.25" [1226] 60.25" [1530]	73	80												11 12 13 15 16 18 20 23 27
3" x 8" [203] 3" x 12" [305] 3" x 16" [406] 3" x 18" [457] 3" x 24" [610] 3" x 30" [762] 3" x 36" [914]	20.25" [514] 24.25" [616] 28.25" [718] 30.25" [768] 36.25" [921] 42.25" [1073] 48.25" [1226]	87	95	38.10	51	50.8	1" Ø [25.4]	25.55 25.75	95	68 max	27 min	60	69	1 1/8 UNF 12TPI	13 15 17 18 21 25 28
4" x 8" [203] 4" x 12" [305] 4" x 16" [406] 4" x 18" [457] 4" x 24" [610] 4" x 30" [762] 4" x 36" [914]	20.25" [514] 24.25" [616] 28.25" [718] 30.25" [768] 36.25" [921] 42.25" [1073] 48.25" [1226]	114.3	125	50.8											24 27 31 33 36 40 45
5" x 8" [203] 5" x 12" [305] 5" x 16" [406] 5" x 18" [457] 5" x 24" [610] 5" x 30" [762] 5" x 36" [914]	20.25" [514] 24.25" [616] 28.25" [718] 30.25" [768] 36.25" [921] 42.25" [1073] 48.25" [1226]	143	157	63.5	70	70	1 1/4" Ø [31.75]	31.90 32.08	115	88 max	27 min	78	89	1 1/2 UNF 12TPI	35 40 45 48 56 64 72