SWECO

The first name in dependability
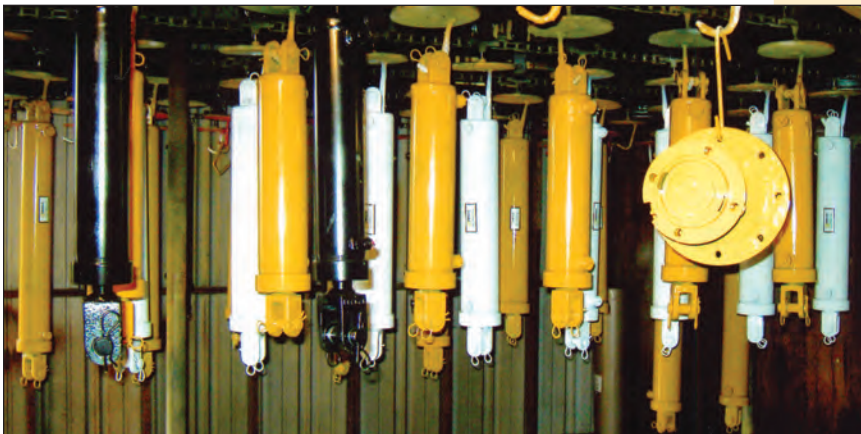
Est. 1946

Hydraulic Cylinder Division

Sweco Hydraulic Cylinders, for Agricultural, Construction and Mobile Equipment, are precision manufactured using only the finest materials.

Choose from our standard Double Acting cylinders or we will manufacture special cylinders to meet your requirements.

Research & Development

Sweco has a successful history of designing and constructing special application equipment. Our accomplishments include a gargantuan wheel tractor for use in the Amazon Jungles of Brazil, a salt harvester now operating in the salt flats of the Baja in Mexico, and a green chop harvester for hay cubing operations.

Sweco . . .
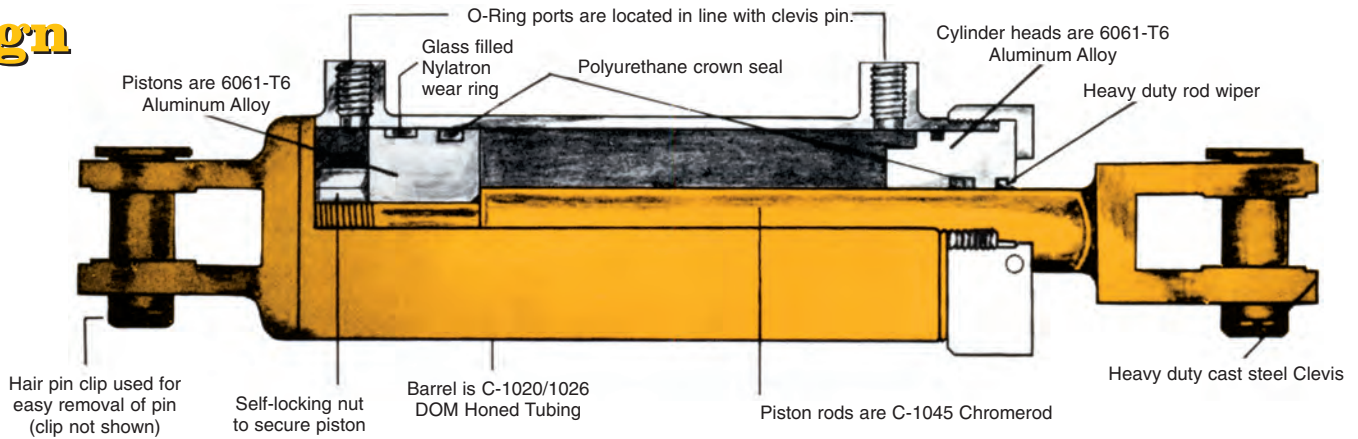The Problem Solving Company!

SWECO PRODUCTS, INC.
2455 Palm Street
Sutter, California 95982
(530) 755-0521
(530) 755-1321 Fax
www.swecoproducts.com

Design

O-Ring ports are located in line with clevis pin.

Glass filled Nylatron wear ring

Polyurethane crown seal

Pistons are 6061-T6 Aluminum Alloy

Cylinder heads are 6061-T6 Aluminum Alloy

Heavy duty rod wiper

Hair pin clip used for easy removal of pin (clip not shown)

Self-locking nut to secure piston

Barrel is C-1020/1026 DOM Honed Tubing

Piston rods are C-1045 Chromerod

Heavy duty cast steel Clevis

Specifications

NOTE: ALL 8, 12 & 16 INCH STROKE CYLINDERS CAN BE MADE TO A.S.A.E. DIMENSIONS.
RETRACTED LENGTH FOR 8″ & 12″ CYLINDERS = STROKE + 12¼″; 16″ CYLINDERS = STROKE + 15½″.

BORE I.D. (IN.)	1-1/2	2	2	2-1/2	2-1/2	2-1/2	3	3	3	3-1/2	3-1/2	3-1/2	3-1/2	4	4	4	4	4	5	5	5	5	6	6	6
ROD DIA. (IN.)	3/4	1-1/8	1-1/4	1-1/8	1-1/4	1-1/2	1-1/4	1-1/2	1-3/4	1-1/4	1-1/2	1-3/4	2	1-1/2	1-3/4	2	2-1/4	2-1/2	1-3/4	2	2-1/4	2-1/2	2	2-1/2	3
FORCE PER 100 P.S.I. PUSH (LBS.)	176	314	314	491	490	490	707	707	707	962	962	962	962	1256	1256	1256	1256	1256	1963	1963	1963	1963	2827	2827	2827
PUSH (LBS.)	132	215	191	391	378	314	584	530	467	839	785	722	648	1080	1016	942	859	766	1723	1649	1566	1473	2513	2337	2121
LENGTH RETRACTED = STROKE PLUS (IN.)	10-3/8	10-3/8	10-3/8	10-3/8	10-3/8	10-3/8	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-3/4	10-3/4	10-3/4	10-3/4	10-3/4	12-5/8	12-5/8	12-5/8	12-5/8	15-1/2	15-1/2	15-1/2
O-RING PORT DIM.	#6	#6	#6	#6	#6	#6	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8	#12	#12	#12	#12	#12	#12	#12
STD. CLEVIS DIM. (IN.) (A)	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	1-7/8	2-1/4	2-1/4	2-1/4	2-1/4	2-1/2	2-1/2	2-1/2
(B)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
(C)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
(D)	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8	1-5/8	1-5/8	1-5/8
(E)	2-1/8	2-1/8	2-1/8	2-1/8	2-1/8	2-1/8	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-1/4	2-7/8	2-7/8	2-7/8	2-7/8	3-1/8	3-1/8	3-1/8
(F)	2-1/4	2-3/4	2-3/4	3-1/4	3-1/4	3-1/4	3-3/4	3-3/4	3-3/4	4-1/2	4-1/2	4-1/2	4-1/2	5	5	5	5	5	6-1/4	6-1/4	6-1/4	6-1/4	7-3/4	7-3/4	7-3/4

Standard Clevis Rod & Base End Dimensions

Other Rod & Base Ends

Trunion

Ball Joint

Rod End

Rod Eye   Pin Eye   Tang   Flange

Base End

Pin Eye   Tang   Flange

BORE SIZES: 1½ – 2 – 2½ – 3 – 3½ – 4 – 5 – 6 Inches   3,000 P.S.I. Pressure Rated

When Ordering: FURNISH INFORMATION AS IN EXAMPLE BELOW:

SWECO	CYLINDER I.D. 25 = 2.5″ 30 = 3″, ETC. BORE	STROKE IN INCHES	ROD DIAMETER IN INCHES	ONLY IF A.S.A.E. DIMENSIONS* REQUIRED	IF ORDERING OTHER THAN STANDARD CLEVIS ENDS FURNISH DRAWING WITH DIMENSIONS

Example: S — 25 — 12 — 1-1/8 — A

*ALL 8, 12 & 16 INCH CYLINDERS CAN BE MADE TO A.S.A.E. DIMENSIONS.

WARRANTY: Sweco Products, Inc. guarantees its Hydraulic Cylinders, when properly installed within product specifications, for a period of 12 months from the date of shipment from the factory, against defects in workmanship and/or materials only. We will, subject to inspection by factory authorized personnel, repair or replace any cylinder found to be defective. The sale of our products under any other warranty, implied or expressed, is not authorized by the factory.