

**MODEL 7033
OUTBOARD MOTOR
STEERING CYLINDER**



Patent No. 5601463

The Model 7033 outboard motor steering cylinder was designed to be attached directly onto the late model outboard motor brackets. The draglink provided is used to connect the cylinder rod onto the motor tiller arm with stainless steel shoulder bolts. The swiveling arrangement between the cylinder and the mounting bracket allows the cylinder to be raised or lowered to suit the height of the tiller arm. The cylinder is of extremely heavy duty construction. Being made entirely of bronze and stainless steel, it will handle 300 horsepower motors with ease.

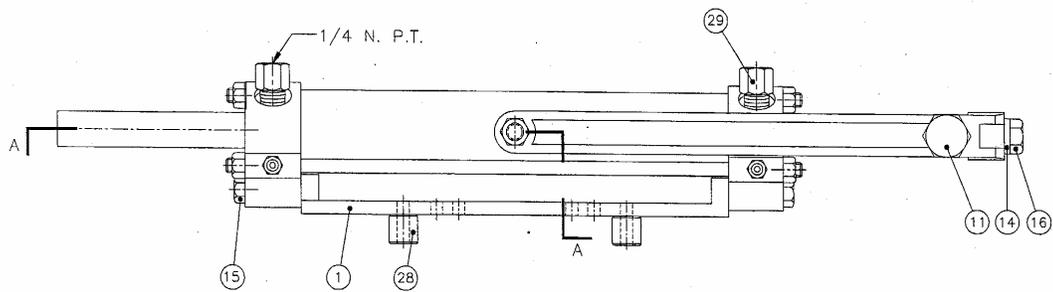
Since the cylinder bolts directly onto the outboard motor bracket and being supported by the motor, it swivels with the motor when the motor is raised or lowered, thus takes away all the stress on the draglink which now is used primarily to rotate the motor.

This cylinder is ideally suited for all heavy duty outboard motor applications. The standard stroke is 7-1/2". Upon special request, any stroke length is available. The cylinder can also be ordered epoxy-coated.

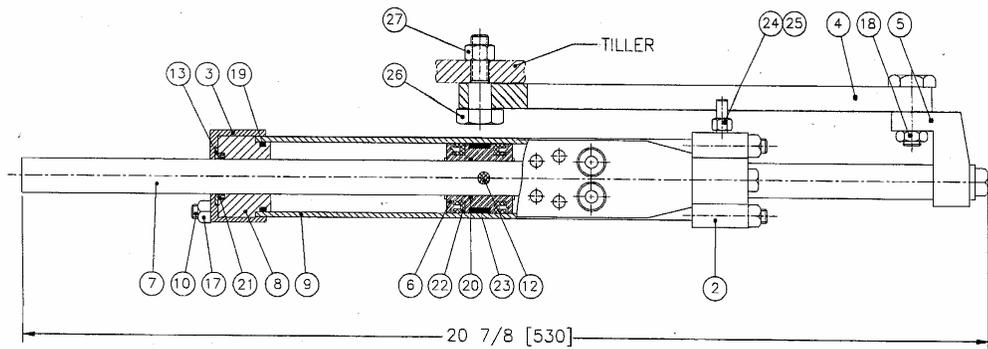
Stroke	7½" (190.5 mm) Other strokes are available
Working pressure	1000 psi (69 bar)
Effective piston area	1.32 sq. in. (8.5 sq. cm)
Standard Volume	9.9 cu. in. (162 cu. cm)
Piston Rod	¾" stainless steel hard-chromed
Cylinder I.D.	1½" (38.1 mm)
Weight	11 lbs. (5 kg)

Model 7033

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	7033-0001	Support Bracket
2	1	7033-0002	End Cap
3	1	7033-0003	End Cap
4	1	7033-0004	Drag Link
5	1	7033-0005	Drag Link Bracket
6	1	7033-0006	Piston
7	1	7033-0007	Piston Rod
8	1	7033-0008L	Shaft Guide, left
8	1	7033-0008R	Shaft Guide, right
9	1	7033-0009	Tube
10	2	7033-0010	Tie Rod
11	1	7033-0011	Shoulder Bolt
12	1	7040-0012	Pin
13	2	7050-0010	Retainer
14	1	1023-0313	Lock Washer
15	2	1001-1128	Hex Hd Cap Screw
16	1	1001-1328	Hex Hd Cap Screw
17	4	1022-0311	Hex Lock Nut
18	1	1022-0262	Jam Nut
19	2	1101-0125	"O" Ring
20	1	1101-0018	"O" Ring
21	2	1102-3008	"U" Cup
22	2	1102-0026	"U" Cup
23	1	7040-0013	Wear Ring
24	2	7040-0011	Bleeder Screw
25	2	1301-0005	Ball 5/32"
26	1	7033-1011	Shoulder Bolt
27	1	1022-1312	Lock Nut
28	4	7033-0015	Spacer
29	2	7032-0017	Adaptor



All dimensions in inches (mm)



SECTION A-A