

# Aquafax



**Hydraulic steering system for a boat with an inboard engine with a maximum 87kgm (7565lbs.in.) rudder torque**

(System 3 - turns lock to lock = 5)

You will need the following:

- 1 x Inboard cylinder
- 1 x Helm pump
- 1 x 3/8" OD nylon tube at the required length
- 2 x litres of hydraulic oil
- 1 x Steering wheel

Aquafax Limited.  
14 Dencora Way, Sundon Business Park,  
Luton, Beds LU3 3HP  
Tel: (01582) 568700 Fax: (01582) 568720  
E-mail: sales@aquafax.co.uk  
Website: www.aquafax.co.uk

**System 3**  
(Turns lock to lock = 5)

## Inboard Cylinder



4-48032



Model	4-48032 (UC168-I)
Material	Aluminium
Volume	168cc - 10.25 cu.in.
Torque	87kgm - 7565lbs.in
Output Force	682kg - 1503lbs
ID	40mm - 1.57"
Stoke	178mm - 7"
Fittings	For 3/8" nylon tube or outboard hose kits

**WARNING**  
For system requirement the rudder torque must be calculated using the formula on the Rudder Torque Calculation Information Sheet this will indicate which system number you require.

## 3/8" OD Nylon Tube



**4-47070**  
Sold per metre

## Alternative Outboard Hydraulic Hose Kits



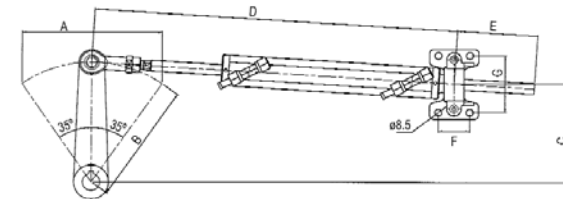
Hose kits are sold as pairs of hoses in increments of 0.50m from 0.50m to 9.00m

4-47027 = 0.50m	4-47036 = 5.00m
4-47028 = 1.00m	4-47037 = 5.50m
4-47029 = 1.50m	4-47038 = 6.00m
4-47030 = 2.00m	4-47039 = 6.50m
4-47031 = 2.50m	4-47040 = 7.00m
4-47032 = 3.00m	4-47041 = 7.50m
4-47033 = 3.50m	4-47042 = 8.00m
4-47034 = 4.00m	4-47043 = 8.50m
4-47035 = 4.50m	4-47044 = 9.00m

## Application Guide

Max Boat Length	Hull Type	No. of Engines	Max Torque	Use System
11.6m (38ft)	Planing	1	Up to 87kgm 7565 lbs. in.	<b>System 2 or 3</b>
13.4m (44ft)	Planing	2	Up to 87kgm 7565 lbs. in.	<b>System 3</b>
9.7m (32ft)	Displacement	1	Up to 87kgm 7565 lbs. in.	<b>System 2 or 3</b>
11.6m (38ft)	Displacement	2	Up to 87kgm 7565 lbs. in.	<b>System 3</b>

A	178mm - 7"
B	155mm - 6.1"
C	127mm - 5"
D	512mm - 20"
E	107.5mm - 4.2"
F	40mm - 1.6"
G	105mm - 4.1"



## Helm Pump

4-48010



Displacement = 33cc 7 pistons

## Hydraulic Oil



4-47067 x 2

## Steering Wheel



Various styles of steering wheels are available, please see the full Aquafax range.

4-VM24