

2-LINE INBOARD SYSTEMS

HYNAUTIC

2-LINE COMPACT STEERING FOR INBOARDS

For Boats Up To 38 ft.

2-Line Systems

Featuring The New

"Glide Free" 80 Series Helm

2-Line Compact Steering Systems for small inboard boats are generally for boats under 38 feet. However, the application depends upon many factors, including rudder size and angle, boat speed, and boat use. The adjacent system selection chart is intended for general application. In addition, the following general rules apply.

1. When possible, match known rudder torque with cylinder output to determine proper steering system.
2. When in doubt, use the largest recommended system. Use a high pressure (950 psi relief) system whenever possible.
3. The system operating pressure should not exceed half the system relief pressure. (This may be hard to determine without gauges, but remember that two-handed wheel effort usually begins at about 400 psi line pressure.)

IB 281 System

This system has a low pressure relief and uses nylon tubing throughout. K-19 cylinder has a ball joint mount on both ends. Advantage: cost, ease of installation.

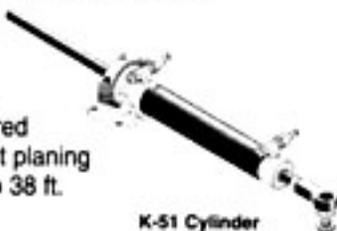


IB 811 System

A high-pressure steering system requiring high pressure hose which must be ordered separately. Ideal for planing boats to 35 feet with heavy steering loads. Uses K-19 cylinder.

IB 831 System

The premier small inboard steering system featuring the most powerful cylinder, the K-51, and high-pressure lines which must be ordered separately. For most planing pleasure boats up to 38 ft.



2-Line Inboard System Selection

APPLICATION	PLANING HULL		DISPLACEMENT HULL	
	Pleasure Boat	Work Boat	Pleasure Boat	Work Boat
Boats To 30 ft.	IB 281-11	IB 811-11 or IB 831-11	IB 281-11	IB 811-11 or IB 831-11
Boats 30-38 ft.			IB 811-11 or IB 831-11	

2-Line Inboard Steering System Performance Data

System	Helm Displacement (cu. in. / cu. cm.)		Number Steering Cylinders	Wheel Turns	Max. Torque* (in./lbs.)
IB 281-11	2.0	33	1 K-19	4.5	3,310
IB 811-11	2.0	33	1 K-19	4.5	6,290
IB 831-11	2.0	33	1 K-51	5.1	6,290

*Torque @ 70°

