Racing Pedestal Drive Components

Gear Boxes

The bevel gear box is the basic building block of the drive system. Harken® offers two versions that work with belt drive pedestals. The B606 and B701 can handle input from more than two people.

The B606 and B701 gear box housings are made of a high-strength aluminum alloy that is Hardkote-anodized for maximum durability. Gears, shafts, and rollers are 17-4 PH stainless steel.

Drive Shafts

Harken® offers two types of drive shafts. Extruded splined aluminum drive shafts may be cut to length. Carbon tubular drive shafts are available with bonded end fittings for U-joints or spherical CV joints. Shaft choice is determined by load, cost, and weight considerations. Your Harken® representative can provide details on the best drive shaft for your boat.

Disconnects

System disconnects can be activated with either levers, control lines or a two-position push button. These may be operated by either hand or foot, though the lever and control lines are usually supplied for hand operation and the button is normally operated by foot.

Support Shafts

To properly space and support a gear box beneath a winch, Harken® supplies tubes for the B606 and B701 series gear boxes. Tubes are made to length from high-strength, Hardkote-anodized aluminum alloy, or carbon fiber/epoxy with bonded ends.

Universal Joints

Gear boxes are connected to other gear boxes and pedestals by drive shafts fitted with either a universal joint or a coupling at each end. Our spherical couplings are extremely light but may only be used where the shafts are in-line. Our high angle universal joint is made of aluminum with 17-4 stainless pins, making it very strong and able to operate efficiently at shaft angles up to 25°.

B606

B606 with overdrive

B701

Drive shafts

Disconnects: The photos show the push buttons actuating disconnects on a below deck-mounted pedestal. The levers are shown on a mid-drive belt pedestal

Universal Joint