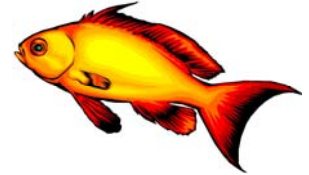


GOODWINCH Ltd stock their own
range of specialist winches, enormous value, great features

The TDS Goldfish Series

Main Distributor in UK & Europe



These superb winches have many superior features that are designed for the off roader in mind.

Over and above ordinary electric winches, David Bowyer's TDS Goldfish Winches have the following brilliant features:

- ❑ Strong, heavy duty drum supports
- ❑ Sealed motor drum support to ensure that water does not get into the motor windings.
- ❑ 'V' ring seals fitted to both drum supports bearing onto the drum side flanges to keep water out of the drum bearings and keep the bearing grease clean.
- ❑ More space under the tie rods to help ensure that the rope does not get caught on the top layer when having to pull to one side.
- ❑ Two ratios available, 173:1 on the TDS 9.5 which is quite fast and ideal for the off-roader for when winching and driving. As your wheels start gaining grip, you soon get the rope onto the drum instead of driving over it! The TDS 9.5 has a nominal pulling capacity of 9,500 lbs (4,300Kgs), which is ample for all off roading use.
- ❑ For commercial use, the 254:1 on the TDS 12.0 is equally ideal with very heavy vehicles, 3 Tonne or when towing a trailer or say a wood chipper or saw bench off-road. Those in forestry or similar professions would normally use this model. The TDS 12.0 has a nominal pulling capacity of 12,000 lbs (5,450Kgs).
- ❑ Both the TDS 9.5 and TDS 12.0 Goldfish winches are available in low profile models with the solenoids installed directly above the motor, or alternatively the bridge version 'i' models have their solenoids in the bridge over the drum. Many regard this model as having a more pleasing central look about them, but others would prefer to have all the rope 'showing' on the low profile model.
- ❑ Both models have powerful, reliable, high quality, heavy-duty series wound motors fitted. These motors have a nominal speed of 4,000 RPM and feature heavy duty rectangular section copper armature windings, which are copper welded to the commutator, with highly efficient ball bearings at each end. Four enormous, long lasting brushes in brass holders enable the motor to run cooler for longer.
- ❑ All the TDS Goldfish models have sealed solenoids fitted, similar to the Albright design, which are waterproof.
- ❑ The gearbox and double tapered brake unit is not only good, but exceptional in that the gears are really very well made, machined and assembled into three planet sets of the highest possible quality. The beauty of a well-designed planetary gearbox ensures that a good proportion of the teeth are in contact with the partner gear cog all the time, which gives a lot of strength. This type of gearbox is extremely efficient in use as all the gears are balanced in that the drive shaft from the motor, through the drum and to the back end of the gearbox drives the smallest planet set in the middle and increases the torque through all nine planet gears evenly to power the drum with extremely little backlash.
- ❑ The freespool lever is easy to use and locks the outer gear ring in any one of eight positions in a positive manner. As an optional extra, for £95 plus VAT Goodwinch can supply a pneumatic freespool actuator kit to replace the lever which can be operated with either an ARB Air Locker compressor if fitted to the vehicle or an additional type pump compressor.
- ❑ All Goodwinch TDS Goldfish Winches have a positive rope fixing to the drum where there is a hole through the drum with grubscrew across it to secure the rope.
- ❑ However, one of the best features is the automatic external double tapered brake on the end of the gearbox. Not only is this a fail-safe brake unit, but it is also ideal when using synthetic rope as there is no heat build up by the usual in-drum brakes when lowering out.

The winches come complete with roller fairleads and wire rope. However, Dyneema[®] Bowrope is available for just £125 plus VAT. including an aluminium hawse fairlead.

Both the Goodwinch TDS Goldfish models are available with larger drums to take either 125' (38m) of 11mm, or 150' (46m) of 10mm Dyneema[®] Bowrope for either special applications or for those simply wanting a longer reach.

Goodwinch can also supply an amazing Twin Speed TDS 9.5 Large Drum Challenge Winch, operated by a Goodwinch Turbo Boost Controller. For more details of this system, please go to their website www.goodwinch.com.