

GOODWINCH TDS SERIES WINCH SPECIFICATIONS

	TDS 6.5	TDS 8.5	TDS 9.5	TDS 12.0	TDS 16.5
Rated line pull (single line)	6,500 lbs (2,995 kg)	8,500 lbs (3,860 kg)	9,500 lbs (4,309 kg)	12,000 lbs (5,442 kg)	16,500 lbs (7,500 hg)
Motor 12 or 24 volt	4.0 HP (12 volt)	4.6 HP (12 volt) 3.0 HP (24 volt)	5.0 HP (12 volt) 3.0 HP (24 volt)	6.0 HP (12 volt) 3.6 HP (24 volt)	6.0 HP (12 volt) 3.6 HP (24 volt)
Gearing	Heavy duty 3 stage planetary	Heavy Duty 3 stage planetary	Heavy duty 3 stage planetary	Heavy duty 3 stage planetary	Heavy duty 3 stage planetary
Gear ratio	173:1	254:1	173:1	254:1	315:1
Freespooling clutch	Rotating Ring Gear	Rotating Ring Gear	Rotating Ring Gear	Rotating Ring Gear	Rotating Ring Gear
Braking	Automatic Double Taper	Automatic Double Taper	Automatic Double Taper	Automatic Double Taper	Automatic Double Taper
Wire rope, supplied	8.0mm x 24.3m (80')	8.0mm x 30m (100')	8.7mm x 30m (100')	9.5mm x 27.4m (90')	11mm x 27.4m (90')
Dyneema® Bowrope synthetic winch rope (optional extra)	10mm x 30.5m (100')	10mm x 30.5m (100')	10mm x 30.5m (100')	11mm x 30.5m (100')	12mm x 27.4m (90')
Dimensions	586mm x 165mm x 191mm high (23" x 6.5" x 7.5") (Excluding solenoids)	586mm x 165mm x 191mm high (23" x 6.5" x 7.5") (Excluding solenoids)	9.5i 612mm x 165mm x 250mm high 9.5c 612mm x 165mm x 266mm high (Including Solenoids)	12.0i 612mm x 165mm x 250mm high 12.0c 612mm x 165mm x 266mm high (Including Solenoids)	695mm x 215mm x 280mm high (26.25" x 8.5" x 11" high) (Including Solenoids)
Drum diameter	63.5mm (2.5")	63.5mm (2.5")	63.5mm (2.5")	63.5mm (2.5")	89mm (3.5")
Drum length	229mm (9")	229mm (9")	229mm (9")	229mm (9")	206mm (8.1")
Weight with wire rope and roller fairleads	35 kg	37 kg	40 kg	40kg	60kg
Weight with Dyneema® Bowrope and aluminium hawse	20 kg	22 kg	25 kg	25 kg	40kg
Switching method	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote	5m (17') Rubber handheld remote
Switching mechanism	Heavy duty sealed solenoids	Heavy duty sealed solenoids	Heavy duty sealed solenoids	Heavy duty sealed solenoids	Heavy duty sealed solenoids
Roller fairleads	Standard	Standard	Standard	Standard	Standard
Swingaway pulley block	Standard	Standard	Standard	Standard	—
Colour coded 1.5m wiring harness	Standard	Standard	Standard	Standard	Standard
Alloy safety hooks fitted to all ropes	Standard	Standard	Standard	Standard	Standard
PERFORMANCE					
No load speed	49 feet/min (15m/min)	33 feet/min (10m/min)	55.8 feet/min (17m/min)	29.5 feet/min (9m/min)	18 feet/min (5.5m/min)
For 12 volt and 24 volt	40 amps	40 amps 23 amps	40 amps 23 amps	45 amps 26 amps	65 amps 49 amps

Please note that there are too many variables when attempting to quote speed and amps drawn at different line pulls, but roughly speaking, all 5 models at their rated line speed draw about 350 amps @ 12 volt (210 amps : 24 volt) achieving a speed of about 7 feet/min. Needless to say one should always use a pulley block at anything like these loads which either halve the current draw or halve the load on the winch which allows the motor armature to turn more freely. So now you know!

OPTIONAL ACCESSORIES
Fitting kits available as accessories [Basic channel kits from £40 each](#)
[Land Rover II and III kits @ £125 each; Defender Bikini Kit @ £125 each;](#)
[Defender Bumper @ £219; Defender Air Con Bumper £249;](#)

Lodar wireless radio remote system	Optional accessory	Optional accessory	Optional accessory	Optional accessory	Optional accessory
Dyneema® Bowrope	Optional accessory	Optional accessory	Optional accessory	Optional accessory	Optional accessory