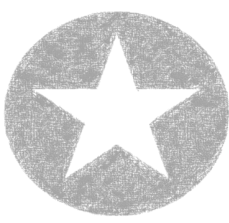




The **GEFCO 40T**, a proven performer around the world, is a very simple design and easy to maintain. The triple drum draw works rated with a max hook load of 116,000 lbs. (52,727 kg) and a single line pull of 22,000 lbs. (9,979 kg) complete with a hydromatic brake, can handle the load of the toughest wells. With a 40 ft. (12.19 m) Kelly drum and 60 ft. (18.28 m) of working space above the table, this drill is ready for large water well and shallow oil and gas work anywhere in the world.

GEFCO 

An Astec Industries Co.



40T

Rotary Table Drilling Rig



An Astec Industries Co.

SPECIFICATIONS

RATINGS (6 PART LINE)

POWER UNIT
ENGINE TRANSMISSIONS
CHAIN DRIVE CASE
MAIN DRIVE CASE

DRAWWORKS
KELLY / HOIST DRUM
Drum Diameter
Single Line Pull
Brakes
Net Braking Area
Clutch
Spooling Capacity

CAT HEADS
ROTARY TABLE - 150 TON

MAST

CROWN BLOCK

SWIVEL
FRAME

PIPE PLATFORM

CONTROLS
LEVELING JACKS

TOOL STORAGE
MOUNTING CHASSIS
TRAILER CAPACITIES
MUD PUMP

KELLY
CATWORKS
WEIGHT INDICATOR
BACKUP/BREAKOUT TONGS

22,000 lbs (9,979 kg) bare drum single line pull. 116,000 (52,727 kg) maximum
Hook load with traveling block at rotary table. 96,000 lbs (43,636 kg) working
Hook load with block at top of mast. 176,000 lbs (79,833 kg) gross mast capacity.
Two (2) 55 Ton 3-sheave blocks.
Two (2) deck mounted diesel engines. 230 HP (172 kw) continuous duty @ 210 RPM, each engine.
Two (2) heavy-duty torque converters with 5-speed power shift transmissions direct coupled to each power unit.
Pressure lube case, high speed roller chains and sprockets, divided output shafts.
Gear case transfers power to drawworks chain drive and rotary table. Oil bath construction, heat-treated gears mounted on ball and roller bearings.
Heavy-duty triple drum. Each main drum equipped with Lebus spooler and replaceable brake drum flanges.

Kelly Drum and Hoisting Drum	Sandreel (Optional)
15 in x 15 1/4 in (381 mm x 387 mm)	7 1/2 in x 23 1/2 in (191 mm x 597 mm)
22,000 lbs (9,979 kg)	7,000 lbs (3,175 kg)
8 in x 26 in (203 mm x 660 mm)	6 in x 22 in (152 mm x 559 mm)
1,137 sq in (7,335 cm ²)	360 sq in (2,323 cm ²)
18 in (457 mm) 2-Plate, Air	14 in (356 mm) Single Plate, Air
795 ft of 3/4 in line (242 M / 19 mm)	4,000 ft of 3/8 in line (1,220 M / 9.5 mm)
2,850 ft of 7/16 in line (869 M / 11 mm)	2,262 ft of 1/2 in line (690 M / 13 mm)
Two (2) Cathead spools.	

Enclosed oil bath gears; powered torque tube and clutch. 18 in (457 mm) opening with API master bushing removed. Can be hinged forward to provide 36 in (914 mm) square opening.
60 ft (18 M) working height above rotary table. 176,000 lbs (79,833 kg) gross mast capacity.
Hydraulically raised and lowered. Ladder and channel guide track for swivel. Seven (7) fitted 12-Volt night lights for auxiliary genset.
Heavy structural steel frame, electrically welded, sheaves accommodate two (2) 6-part triple sheave
Traveling blocks, auxiliary line sheaves and catline rope sheaves.
3 in (76 mm) Fluid course.
Drill frame integral with semi-trailer frame. Structural steel, reinforced and electrically welded. Walkway
Platforms and ladders provide access to all rig components.
Hinged or removable platform, equipped with screw jacks, mounted at rear of drill. Covered with heavy-duty timbers for standing drill pipe.
Grouped in pedestal-type console at left rear of machine. Complete with instrument panel for convenient operation.
Four (4) hydraulic leveling jacks - two (2) front, 48 in stroke; two (2) rear 18 in stroke. Two (2) adjustable screw jacks frame mounted.
Two (2) large steel boxes, one (1) each side, lockable.
Mobile 3-axle semi-trailer with air brakes, highway lighting and landing jacks.
Three (3) rear axles; 25,000 lbs (11,340 kg) each. 75,000 lbs (34,020 kg) suspension.
7 1/2 in x 10 in (191 x 254 mm) mud pump equipped for slush service. Output of 487 GPM (1,844 L/min) @ 255 PSI (1,756 kPa) @ 65 strokes / min Or optional 5 1/2 x 8 or 5 x 6 duplex pumps.
4 1/2 in (108 mm) square x 40 ft (12.2 mm) long with roller bushing and fluid swivel adapter subs.
Hydraulic makeup and breakout cylinders with cables.
Metric or English dial.
Manually operated, torque rating of 25,000 ft/lbs (33,900 Joules) for gripping pipe from 2 3/8 in—7 in (60-177 mm) O.D.
Set of two (2) .

POPULAR OPTIONS

KELLY

HYDRAULIC POWERED PULLDOWN

WATER INJECTION SYSTEM

KELLY SPINNER

MUD PUMP ROD OILER SYSTEM

HYDRAULIC WINCH

5 1/4 in (133 mm) dia. round fluted x 38 ft (11.6 M) long with bushing and fluid swivel adapter sub.

Chain feed type, provides infinite variable pulldown speed and pressure. Equipped with jaw clutch for hoisting or gravity feeding. Feed rate variable from 0-10 FPM (0-3 M/min). Pulldown weight adjustable from 0-30,000 lbs (0-13,608 kg).

Maximum output 18 GPM (68 L/min).

For hydraulic makeup of Kelly to drill pipe.

For 7 1/2 in x 10 in (191 mm x 254 mm)

4,000 lb (1,814 kg) capacity for tool handling.

GEFCO, INC. an Astec Industries Company

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