

# RT SERIES

RISER TOOL  
WRENCH



Our patented RT Series riser tool is a hydraulic speed/torque wrench combination, designed for use during make-up or break-out of any sub-sea riser bolted flange.

With the push of a hand-held button, the RT Series riser tool spins the nut down at high speed and then automatically completes the torque to a preset limit when making up.

When breaking out, the tool does the exact opposite, using the ratcheting operation to break the nut loose and then spinning it out at high speed.

## FAST

The riser tools make up or break out a single riser bolt in seconds. This greatly reduces operating time during bolting and saves money.

## NO HANDS

The RT Series switches from run-down mode to torquing mode automatically. Using the hand-held remote push button allows operators to use the riser tools without any need for manual adjustment, making them completely hands-free, and creating an absolute-safe environment.

## EXTREME TORQUE

The three models of tools give you a wide range of torque capability, but with a maximum torque capacity of 38,000 ft./lbs., you can be sure your bolts are secure and that they are able to be broken out when the time comes.

## SQUARE DRIVE

The 2½" square drive can be used with multiple standard-size square drive impact sockets or in-house modified specialty sockets. It easily converts from make-up to break-out allowing effective use of the tools for either application.

## REACTION BAR

The RT Series has three possible reaction bars, each designed for different types of riser. We offer inline reaction bars that react off of the riser, drop down reaction bars that react off of the flange, and Load King reaction bars that react off of both.

## COMPLETE PACKAGE

Available with the dual-control console, sockets, and overhead spring balancers that can be used to reduce the weight of the tool to as low as one pound.

## CALIBRATED

Every tool is tested and calibrated to +/- 3% accuracy, traceable to N.I.S.T., and Torq/Lite calibrates all of their riser tools for free for the life of the tool.



**DCC** Custom-built, aluminum dual-control conversion console, utilizes rig hydraulics up to 3,000 p.s.i. and provides continuous volume of hydraulic fluid required to independently operate two riser tools simultaneously.

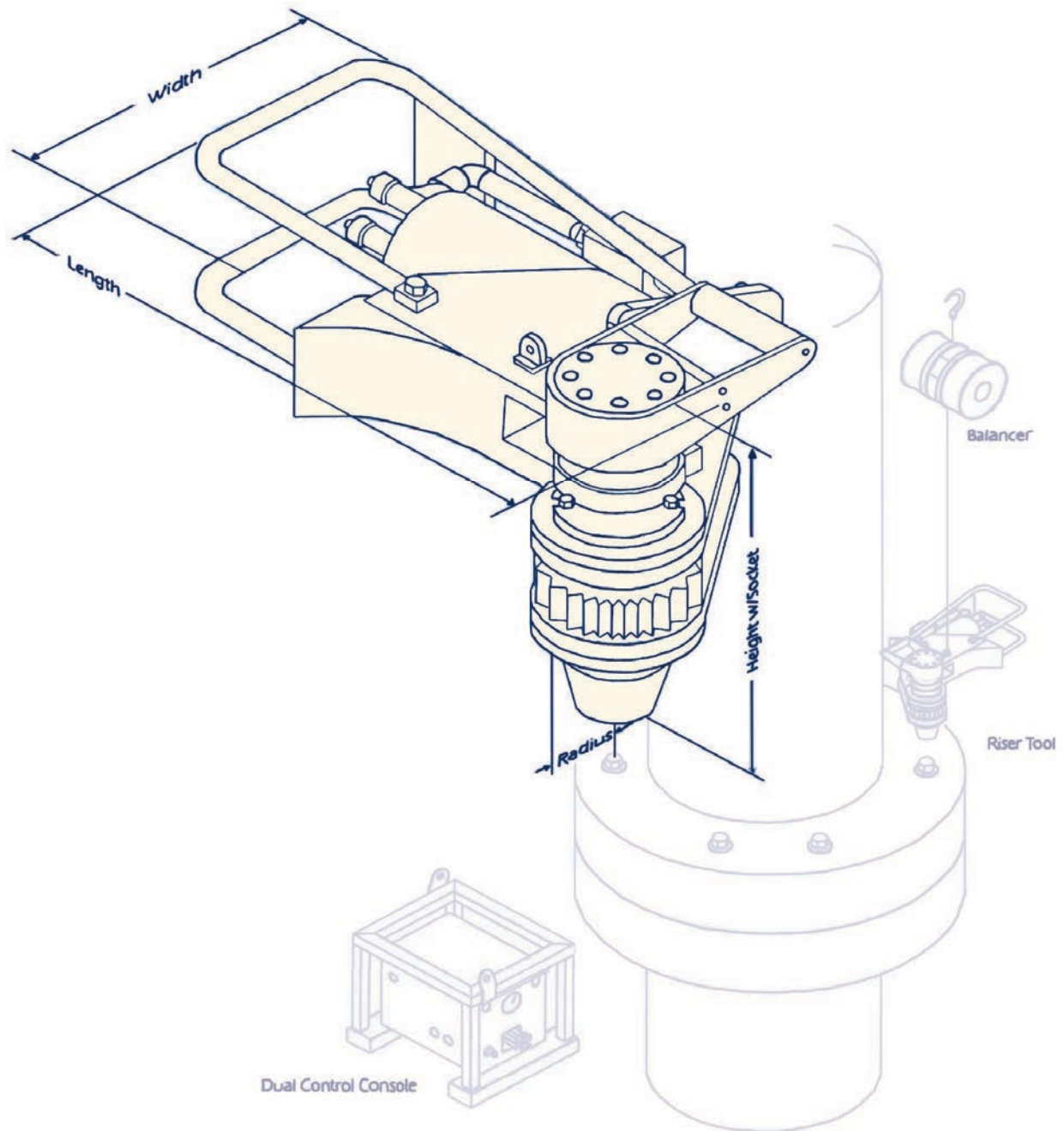
**SPRING BALANCERS** By using the overhead spring balancers, you can virtually eliminate the weight of riser tool, which reduces operator fatigue and increases efficiency of operation. The balancers are adjustable so that you can use them to your specifications.

**SOCKETS** We stock all standard-size sockets and we can also modify sockets in-house to fit any or your particular needs for any application.

**OIL STORAGE** All riser tool packages include a divided and compartmentalized aluminum container for storage and submerging of riser tools with self-standing lockable lids.

**TOOLS** RT-16: Torque up to 16,234 ft./lbs.  
RT-24: Torque up to 25,453 ft./lbs.  
RT40: Torque up to 38,000 ft./lbs.

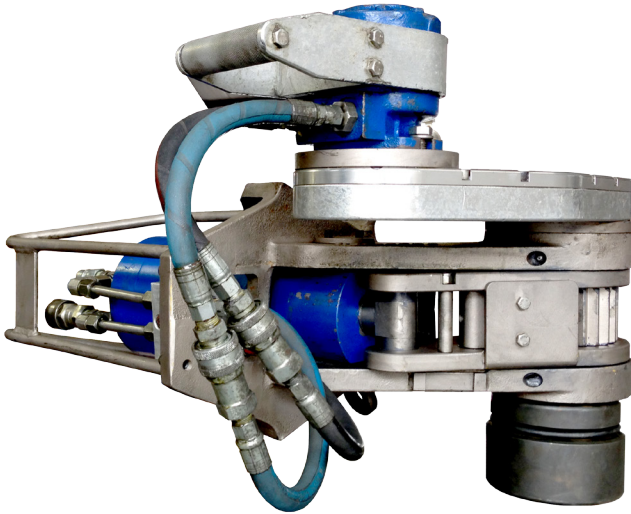
# RT SERIES



RT SERIES	MAX FT. LBS. @ 3,000 PSI	LENGTH	HEIGHT W/ SOCKET	WIDTH	RADIUS	SQUARE DRIVE	WEIGHT
RT-16	16,234	27½"	15"	16½"	3.10"	2½"	267 lbs.
RT-24	25,453	27½"	15"	16½"	3.10"	2½"	267 lbs.
RT-40	38,000	28"	17¼"	18½"	3.10"	2½"	358 lbs.

# RT-S SERIES

RISER TOOL  
WRENCH



Torq/Lite's RT-S Series riser tool is a hydraulic speed/torque wrench combination, designed for use during make-up or break-out of Shaffer FT-H and FT-G sub-sea riser bolted flanges. With the push of a hand-held button, the RT Series riser tool spins the nut down at high speed and then automatically completes the torque to a preset limit via the ratcheting mechanism when making up. When breaking out the tool does the exact opposite, using the ratcheting operation to break the nut loose and then spinning it out at high speed. The RT-24S and RT-40S, specially designed to fit FT-H and FT-G bolted riser, fit seamlessly amongst all bolts and lines associated with the application.

**HIGH SPEED** Single bolt make-up or break-out in seconds. Reduces operating time and saves money.

**EXTREME TORQUE** The RT-24S has a torque capacity to 25,458 and the RT-40S has a capacity to 35,250 ft./lbs.

**HANDS-FREE** A hand-held remote push button allows for safe hands-free tool operation.

**2<sup>1</sup>/<sub>2</sub>" SQUARE DRIVE** Use with multiple standard-size square drive impact sockets or in-house modified specialty sockets. Easily converts from make-up to break-out allowing effective use of the tools for either application.

**NICKEL-COATED** Resists corrosion.

**REACTION BAR** The RT-S Series uses a reversible drop down reaction bar.

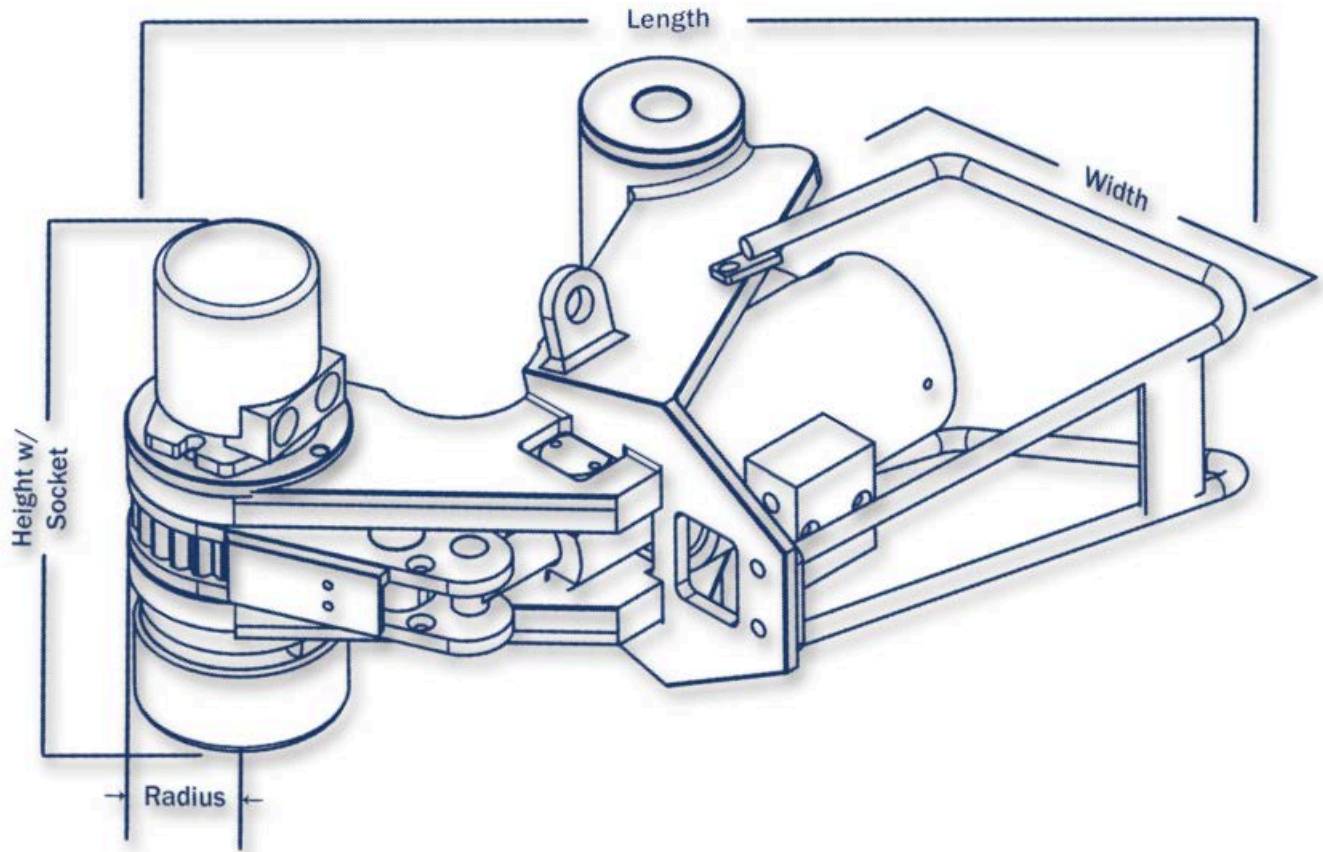
**ERGONOMIC** Using the tools with our overhead spring balancers can reduce the weight to as low as one pound. This significantly reduces operator fatigue.

**CALIBRATED** Every tool is tested and calibrated to +/- 3% accuracy, traceable to N.I.S.T., and Torq/Lite calibrates all of their tools for free for the life of the tool.

**COMPLETE PACKAGE** Available with overhead balancers, dual control console, sockets, and aluminum storage containers



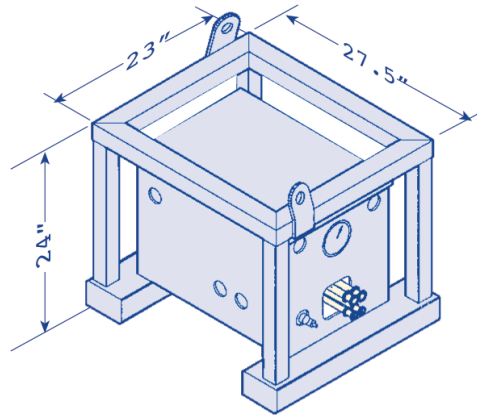
# RT-S SERIES



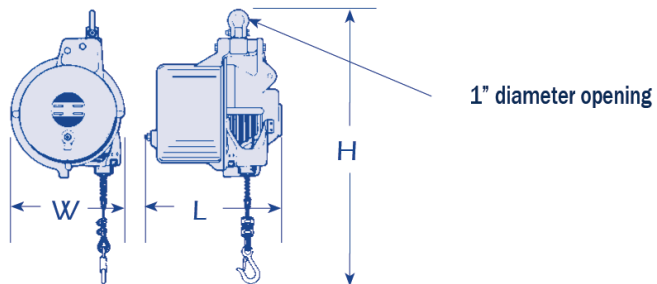
RT SERIES	MAX FT. LBS. @ 3,000 PSI	LENGTH	HEIGHT W/ SOCKET	WIDTH W/ GEARBOX	WIDTH	RADIUS	SQUARE DRIVE	WEIGHT
RT-24S	25,453	26.34"	14.42"	11.50"	20.28"	3.10"	2½"	235 lbs.
RT-40S	35,250	36.50"	17.35"	13.66"	20.50"	3.10"	2½"	258 lbs.

**THIS TOOL IS APPROVED FOR EXPLOSIVE ENVIRONMENTS.**

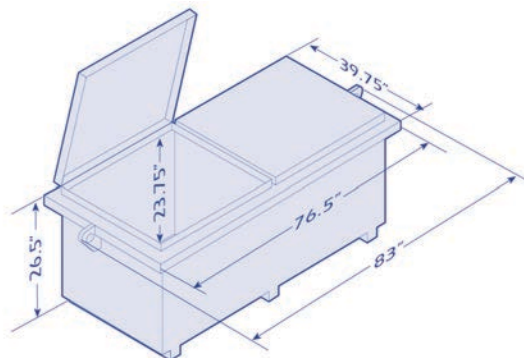
# RT SERIES



MODEL	MAX. OUTPUT	FLUID CAPACITY	AIR REQ.	CONTROL	HYDRAULIC HOSES	WEIGHT W/ HOSES	WIDTH	LENGTH	HEIGHT
<b>DCC 16/24</b>	3000 psi	10 GPM of Rig Hydraulics	90 psi 20 cfm	(2) Push Button	(4) 30 ft. x 3/8" 5000 psi WP	158 lbs.	23"	27.5"	24"
<b>DCC 40</b>	3000 psi	20 GPM of Rig Hydraulics	90 psi 20 cfm	(2) Push Button	(4) 30 ft. x 3/8" 5000 psi WP	206 lbs.	23"	27.5"	24"

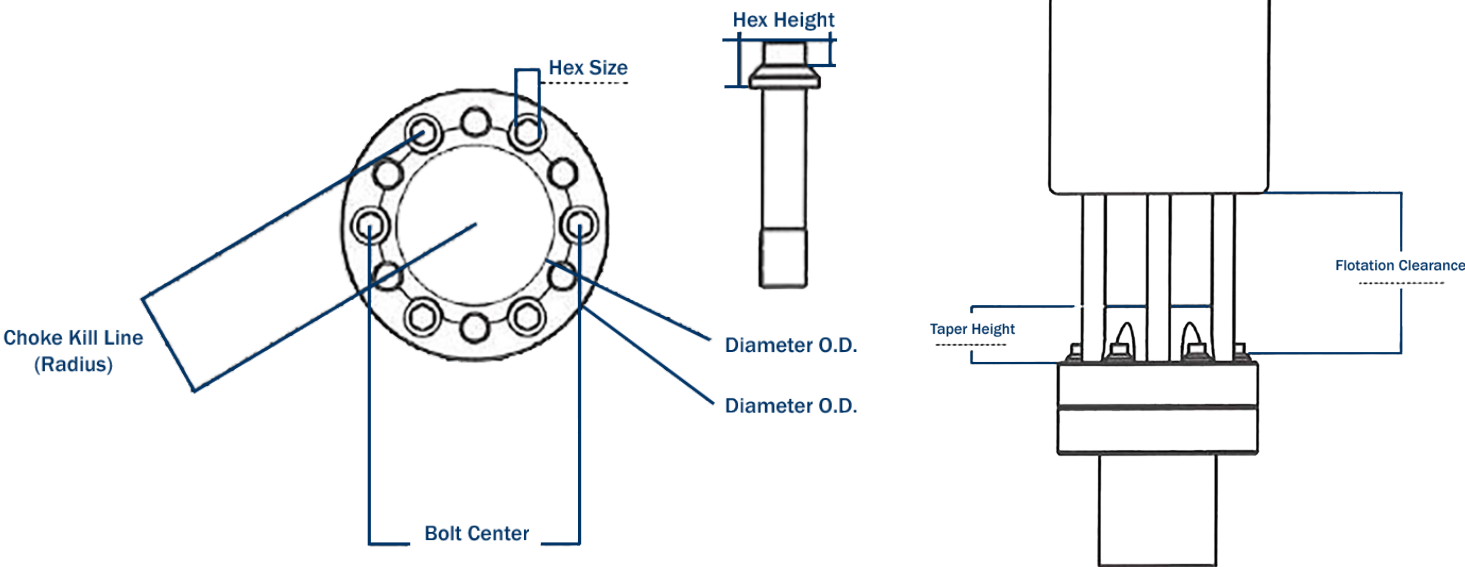


MODEL	CABLE TRAVEL	LENGTH	WIDTH	HEIGHT	CAPACITY	WEIGHT
<b>16B125/24B125</b>	5 ft.	8"	9.5"	16" min.	220-275 lbs.	39 lbs.
<b>40B170</b>	5 ft.	8"	11"	24"	308-375 lbs.	62 lbs.



LENGTH	LENGTH W/ EYELITS	DEPTH	WIDTH	HEIGHT	CAPACITY
<b>76.5"</b>	<b>83"</b>	<b>39.75"</b>	<b>26.5"</b>	<b>23.75"</b>	<b>150 lbs.</b>

# RISER STRING WORKSHEET



CONTACT NAME \_\_\_\_\_ PHONE \_\_\_\_\_

COMPANY \_\_\_\_\_ FAX \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MANUFACTURER/BRAND \_\_\_\_\_

MODEL/SERIES \_\_\_\_\_

MAX. MAKE-UP TORQUE (FT/LBS) \_\_\_\_\_

CHOKE AND KILL LINE RADIUS \_\_\_\_\_

BOLT CENTER HEX SOCKET OD REQUIRED \_\_\_\_\_

HEX SIZE ATF \_\_\_\_\_ HEX HEIGHT \_\_\_\_\_ TOTAL HEX HEIGHT \_\_\_\_\_

OUTSIDE PIPE DIAMTER \_\_\_\_\_ OUTSIDE FLANGE DIAMETER \_\_\_\_\_

TAPER HEIGHT \_\_\_\_\_

FLOTATION CLEARANCE \_\_\_\_\_