

RT Series

Hydraulic torque wrench

Used worldwide due to its powerful torque output and long-lasting tool performance.



Atlas Copco



RT SERIES

SQUARE DRIVE HYDRAULIC TORQUE WRENCH

Our vision for the RT Series hydraulic torque wrench is a simple one: create a hydraulic torque wrench with legendary durability for the most demanding applications. The RT series is a hydraulic torque wrench that will deliver superior performance and accuracy over a longer tool life.

From design, to manufacturing and calibration, the RT Series is a purpose-built bolting machine. It stands second to none.

SPRING-LOADED SHROUD

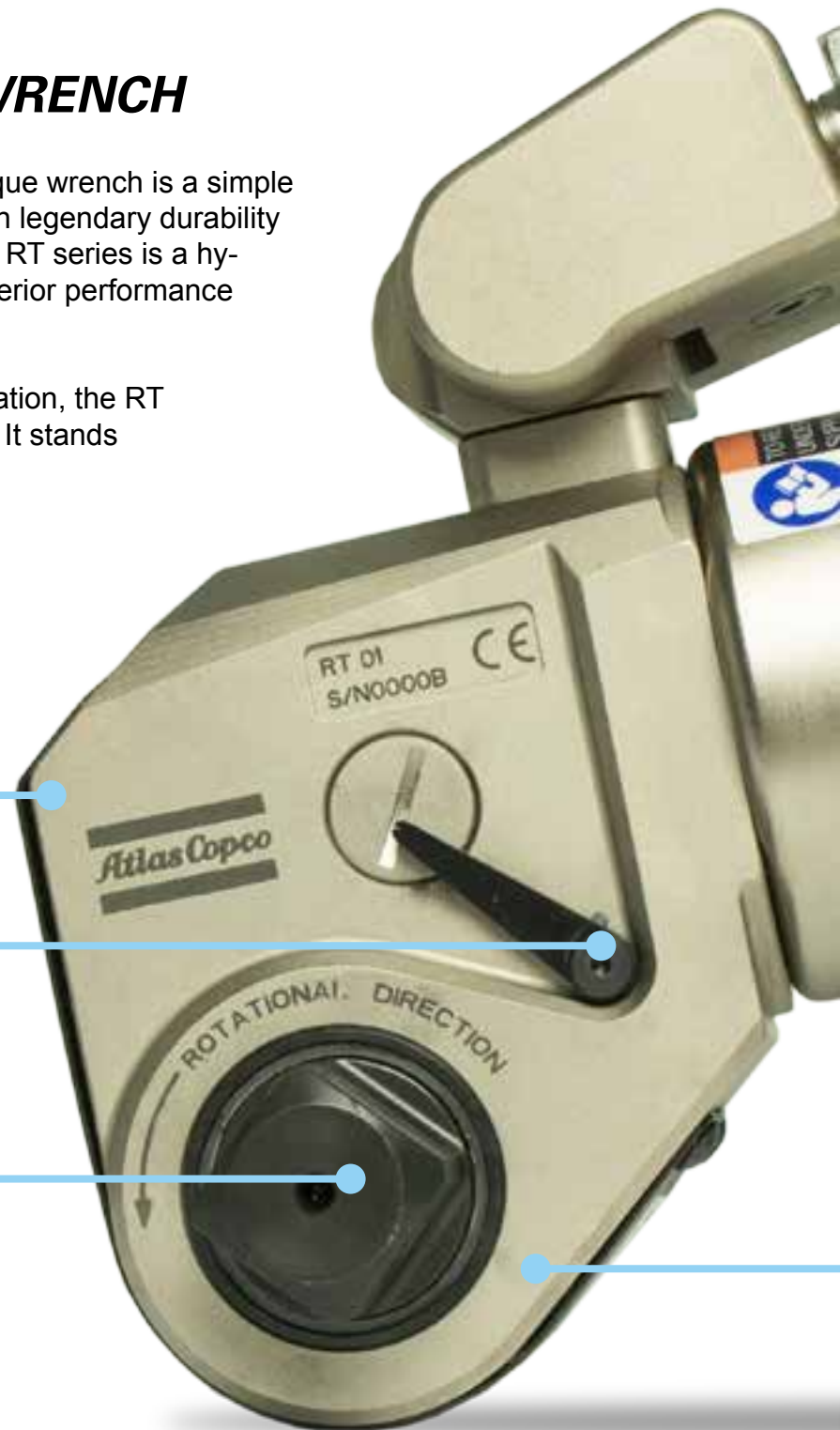
Spring loaded shroud absorbs energy during operation.

EXTERNAL DISENGAGEMENT LEVER

These external disengagement levers make it easy to remove the tool from the application.

SPLINED SQUARE DRIVE

The RT Series splined square drive distributes load evenly through the drive components, providing full heavy-duty transmission of force. Direct Hex Drives and Hex Adapters are available.





MULTI-AXIS SWIVEL

Greater range of movement on multiple axis allows the hose to move easier compared to single axis swivels.

SPLINED REACTION ARM

Splined reaction arm makes the tool more compact and allows the reaction arm to be adjusted for maximum safety.

HIGH STRENGTH STEEL BOOT

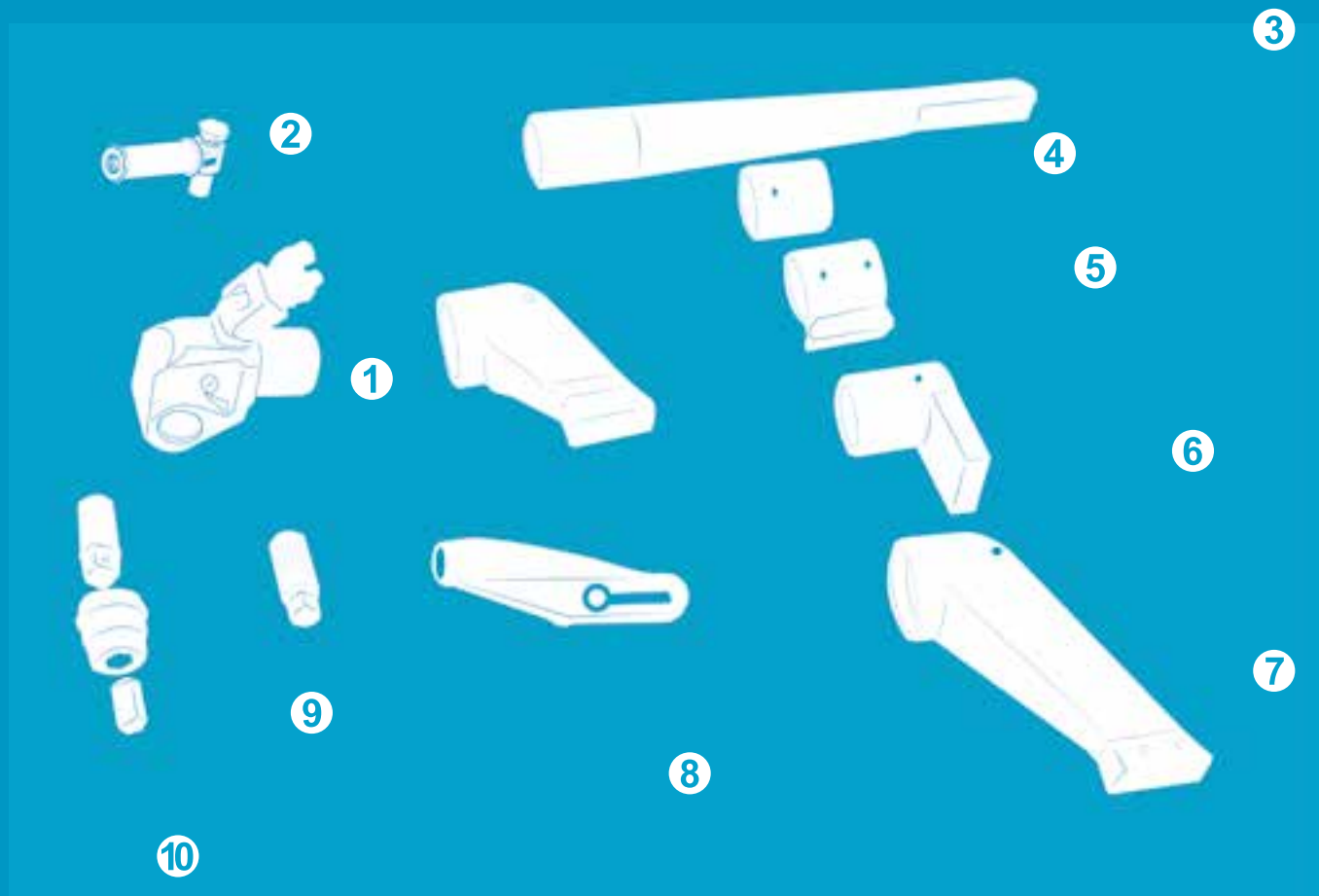
The reaction arm boot comes standard. Copper boot also available.

MONOBLOC ALUMINUM HOUSING

A single block of aircraft quality aluminum alloy is used to produce the RT Series housing. This allows the tool to produce massive amounts of torque, while having an amazing power-to-weight ratio.

RT SERIES

SQUARE DRIVE HYDRAULIC TORQUE WRENCH



① RT with Standard Reaction Arm

② RT Safety Handle

③ Alco Reaction Arm

④ Steel Reaction Sleeve

⑤ Steel Reaction Sleeve with foot

⑥ CAM-style Reaction Arm

⑦ Extended Reaction Arm

⑧ Sliding Reaction Arm

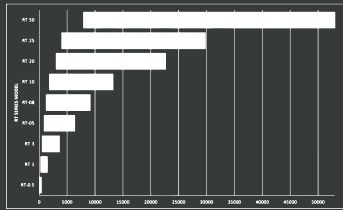
⑨ Direct Hex Drive

⑩ Insert Bit Adapter

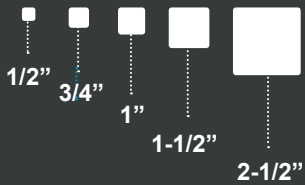
STANDARD SETUP

KEY FEATURES

9 Models
torque range
55 ft.lb. to 52,500 ft.lb.
(75 Nm to 71,169 Nm)



Square Drive Sizes



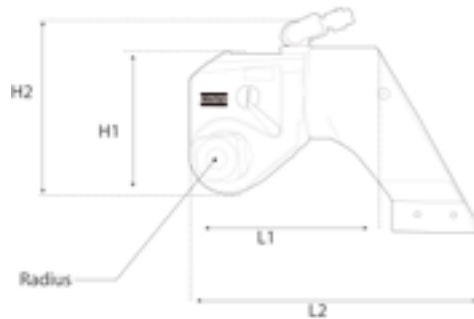
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The RT comes with the standard reaction arm, great for many common applications.

The RT Series comes standard with a square drive, use with a socket.

Model	Square Drive in	Torque ft. lb.		Nm		Weight		Ordering No.
		min	max	min	max	lb	kg	
RT-0.5	1/2	55	397	75	538	0.8	0.4	8434 2010 00
RT-01	3/4	200	1340	271	1817	3.8	1.9	8434 2010 02
RT-03	1	480	3230	651	4379	7.8	3.9	8434 2010 05
RT-05	1-1/2	835	5590	1132	7578	15	7.5	8434 2010 09
RT-08	1-1/2	1200	8000	1627	10845	23	11.5	8434 2010 13
RT-10	1-1/2	1755	11520	2379	15617	26.8	13.4	8434 2010 16
RT-20	2-1/2	2960	19760	4013	26787	36	18	8434 2010 20
RT-25	2-1/2	3960	25890	5368	35096	62	31	8434 2010 25
RT-50	2-1/2	7875	52500	10675	71169	96	48	8434 2010 29



Model	Dimensions													
	L1		L2		H1		H2		Radius		W1		W2	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
RT-0.5	3.15	81	4.87	125	2.35	60.5	3.62	93	0.52	13.5	1.3	33.5	1.97	50.5
RT-01	4.68	120	7.13	183	3.52	90.5	4.75	122	0.9	23	1.95	50	2.76	71
RT-03	6.04	155	9.24	237	4.68	120	6.08	156	1.28	33	2.59	66.5	3.72	95.5
RT-05	7.21	185	11.23	288	5.63	144.5	7.05	181	1.44	37	3.12	80	4.9	126
RT-08	7.85	202	12.49	321	6.42	164.6	8.4	213.36	1.62	41	3.48	88	4.95	126
RT-10	9	232	13.9	357	7.2	186	9.3	239	1.87	48	3.9	100	5.5	142.5
RT-20	10.2	259	16.55	420	8.5	216	9.9	251	2.17	55.1	4.7	119	6.7	170
RT-25	12	310	18.4	473	9.1	234	11	282	2.37	61	5.2	134	7.4	191
RT-50	15.2	390	23.9	615	11.4	294	13.4	344	30.8	79	6.5	167	8.9	228

+/- 3 %
Accuracy

Designs and specifications are subject to change without notice or obligation. Read all safety instructions in the manual before usage.

ACCESSORIES

2 SAFETY HANDLE



Description	Ordering No.
HANDLE KIT RT0.5, RT1	8434 2170 34
HANDLE KIT RT3, RT5	8434 2170 33
HANDLE KIT RT8, RT10	8434 2170 32

3 ALCO ARM



Description	Ordering No.
RT0.5-ALC	4222 2126 76
RT01-ALC	4222 2102 64
RT03-ALC	8434 2057 10
RT05-ALC	8434 2139 88
RT08-ALC	8434 2140 36
RT10-ALC	8434 2140 60

4 STEEL SLEEVE



Description	Ordering No.
RT0.5-SSLV	4222 2126 88
RT01-SSLV	8434 2057 08
RT03-SSLV	8434 2057 32
RT05-SSLV	8434 2140 30
RT08-SSLV	8434 2140 51
RT10-SSLV	8434 2140 90

5 STEEL SLEEVE W/FOOT



Description	Ordering No.
RT01-SSLVF	8434 2057 09
RT03-SLVF	4222 2130 21

6 CAM STYLE ARM



Description	Ordering No.
RT03-CAM ARM	4222 2130 12
RT05-3 CAM	4222 2130 57
RT05-03-CAM	4222 2130 48

7 EXT ARM



Description	Ordering No.
RT0.5-EXT	4222 2126 82
RT01-EXT	8434 2056 92
RT03-EXT	8434 2057 12
RT05-EXT	8434 2057 34
RT08-EXT	8434 2140 42
RT10-EXT	8434 2140 66

8 SLIDING REACTION ARM



Description	Ordering No.
RT-01 SLIDING EXT	8434 2057 33
RT-01 SLIDING STD	8434 2150 95
RT-03 SLIDING EXT	8434 2150 37
RT-03 SLIDING STD	8434 2150 30
RT-05 SLIDING EXT	8434 2150 36
RT-05 SLIDING STD	8434 2150 35
RT-08 SLIDING EXT	8434 2150 32
RT-08 SLIDING STD	8434 2150 31

Description	Ordering No.
RT-10 SLIDING EXT	8434 2150 34
RT-10 SLIDING STD	8434 2150 33
RT20 SLIDING EXT	8434 2150 90
RT20 SLIDING STD	8434 2150 89
RT25 SLIDING EXT	8434 2150 92
RT25 SLIDING STD	8434 2150 91
RT50 SLIDING EXT	8434 2150 94
RT50 SLIDING STD	8434 2150 93

STD= Standard

EXT=Extended

9 DIRECT HEX DRIVE



Description	Ordering No.
RT0.5-HX-10MM	8434 2138 44
RT0.5-HX-12MM	8434 2138 47
RT0.5-HX-14MM	8434 2138 50
RT0.5-HX-16MM	8434 2138 53
RT0.5-HX-17MM	8434 2138 56
RT0.5-HX-19MM	8434 2138 62
RT0.5-HX-22MM	8434 2138 68
RT0.5-HX-24MM	8434 2101 71
RT01-HX-010	8434 2138 71
RT01-HX-012	8434 2138 74
RT01-HX-014	8434 2138 77
RT01-HX-17MM	8434 2056 96

Description	Ordering No.
RT01-HX-19MM	8434 2056 98
RT01-HX-22MM	8434 2057 02
RT01-HX-24MM	8434 2057 04
RT01-HX-27MM	8434 2057 06
RT03-HX-010	8434 2057 14
RT03-HX-012	8434 2057 16
RT03-HX-014	8434 2057 18
RT03-HX-19MM	8434 2057 22
RT03-HX-19MM-EXT	8434 2139 40
RT03-HX-22MM	8434 2057 24
RT03-HX-22MM-EXT	8434 2116 22
RT03-HX-24MM	8434 2057 26
RT03-HX-24MM-EXT	8434 2116 25

Description	Ordering No.
RT03-HX-27MM	8434 2057 28
RT03-HX-30MM	8434 2139 46
RT03-HX-32MM	8434 2057 30
RT03-HX-36MM	8434 2139 49
RT03-HX-36MM-EXT	8434 2139 52
RT03-HX-38MM	8434 2139 55
RT05-HX-24MM	8434 2140 03
RT05-HX-27MM	8434 2057 36
RT05-HX-27MM-EXT	8434 2140 09
RT05-HX-32MM	8434 2140 12
RT05-HX-32MM-EXT	8434 2140 15

10 INSERT BIT ADAPTER



Description	Ordering No.
Hex Holder Sq Dr 3/4"-7/8"	8434 2129 59
Hex Holder Sq Dr 1/2"-1/2"	8434 2056 58
Hex Holder Sq Dr 1/2"-7/8"	8434 2056 60
Hex Holder Sq Dr 1 1/2"-1 3/4"	8434 2129 62
Hex Holder Sq Dr 1 1/2"-1 1/4"	8434 2129 65
Hex Holder Sq Dr 1"-1 1/4"	8434 2129 68
Hex Holder Sq Dr 1"-7/8"	8434 2056 62
Hex Size 10MM	8434 2054 24
Hex Size 12MM	8434 2054 26
Hex Size 14MM	8434 2054 30
Hex Size 17MM	8434 2054 32
Hex Size 19MM	8434 2054 34
Hex Size 22MM	8434 2054 36
Hex Size 24MM	8434 2054 38
Hex Size 27MM	8434 2123 32

Description	Ordering No.
Hex Size 24MM	8434 2050 18
Hex Size 27MM	8434 2050 20
Hex Size 28MM	8434 2050 22
Hex Size 29MM	8434 2050 24
Hex Size 30MM	8434 2050 26
Hex Size 32MM	8434 2050 28
Hex Size 33MM	8434 2050 30
Hex Size 36MM	8434 2124 13
Hex Size 36MM	8434 2050 40
Hex Size 40MM	8434 2124 16
Hex Size 41MM	8434 2050 42
Hex Size 46MM	8434 2050 44
Hex Size 50MM	8434 2050 46
Hex Size 1"	8434 2054 20
Hex Size 1"	8434 2050 12

Description	Ordering No.
Hex Size 1 1/16"	8434 2124 10
Hex Size 1 1/4"	8434 2050 14
Hex Size 1 1/8"	8434 2050 16
Hex Size 1 1/2"	8434 2050 32
Hex Size 1 3/4"	8434 2050 34
Hex Size 1 3/8"	8434 2050 36
Hex Size 1 5/8"	8434 2050 38
Hex Size 1"-12pt	8434 2126 86
Hex Size 1/2"	8434 2054 22
Hex Size 13/16"	8434 2054 28
Hex Size 3/4"	8434 2054 40
Hex Size 5/8"	8434 2054 42
Hex Size 7/8"	8434 2054 44
Hex Size 9/16"	8434 2054 46



COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call - Sustainable Productivity.

www.atlascopco.com

Atlas Copco

TF HYDRAULIC WRENCH

Premium Square Drive Range



The new Torcflex Hydraulic Torque wrench, the torque wrench you didn't know you needed.

The hydraulic torque market has seen little to no innovative solutions for the past 10 years. The new Torcflex Torque Wrench line brings innovation to the hydraulic torque market, with increased safety at the heart of everything.

New features include: **The co-axial coupling**; this will drastically reduce set-up time and increase safety, **a retained rection arm**; this will stop the drop hazard, and ensure the reaction arm stays on the tool, an **integral square drive**; which will prevent drop hazards and accidental loss of components and a **new adjustable support handle**; this is offered as standard with every wrench.



TF Series

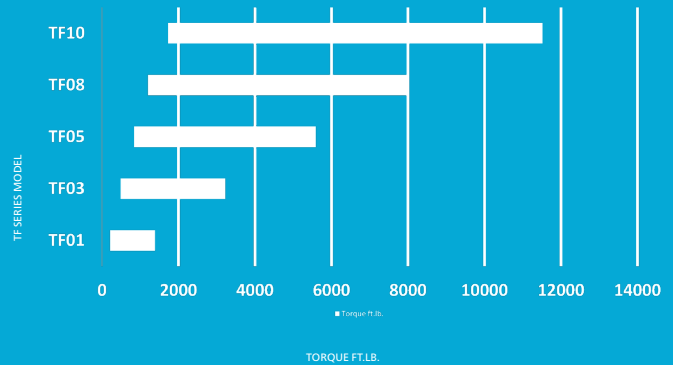
Square drive hydraulic torque wrench

Atlas Copco TF Series of hydraulic wrench, offers high torque output, reliability and increase in efficiencies.



Monobloc aluminium housing

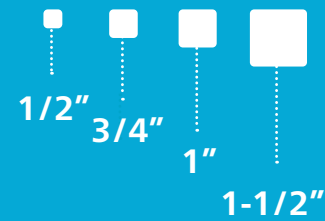
High strength, lightweight housing:
Designed to give superior rigidity and strength
resulting in excellent torque to weight ratio and
durability. Housing has multiple docking points
for support handle.



Co-Axial Hose and Coupling

The launch of the Co-Axial coupling and hose
system is an innovative solution to increase
productivity and reduce fatigue of the operator.
Optional traditional twin swivel version available.

Square Drive Sizes



Retained Reaction Arm

Prevents drop hazard and provides right first time
reaction arm positioning.

Reaction Pawl

Reduces operator intervention and
increases tightening speed.

Ergonomic Support Handle

Multiple attachment points and quick
rotational adjustment improves operator
safety.

High strength steel boot

The reaction arm integral hazard warning
stripes comes as standard.

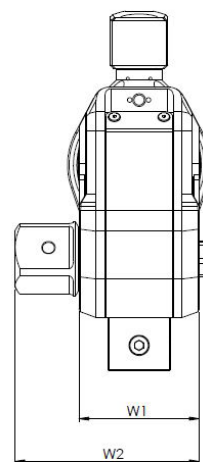
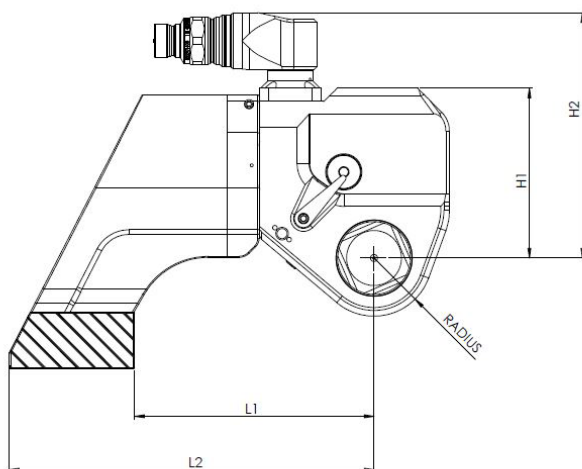
Square Drive with Integrated Retainer

Single piece, quick change square drive prevents drop hazards
and accidental loss of separate retainer.

TF Series technical information



Model	Square Drive	Torque						Ordering No Co-axial/Twin
		ft. lb.		Nm		Weight		
		min	max	min	max	lb	kg	
TF01	3/4	209	1390	283	1885	6.06 / 6.44	2.75 / 2.92	8434 2406 05 / 8434 2410 15
TF03	1	485	3230	657	4379	12.06 / 12.43	5.47 / 5.64	8434 2409 95 / 8434 2409 94
TF05	1-1/2	839	5590	1137	7579	20.3 / 20.68	9.21 / 9.38	8434 2411 16 / 8434 2411 17
TF08	1-1/2	1200	8000	1627	10847	27.23 / 27.26	12.35 / 12.52	8434 2411 49 / 8434 2411 50
TF10	1-1/2	1728	11520	2343	15619	34.99 / 35.36	15.87 / 16.04	8434 2415 24 / 8434 2415 25

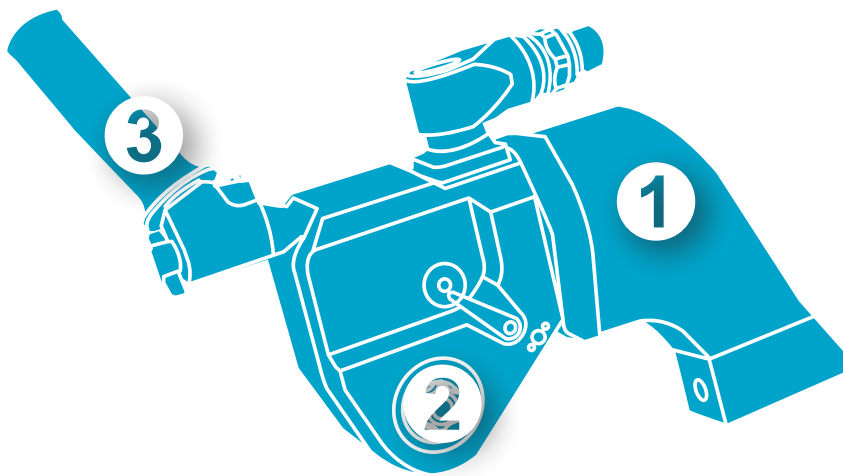


Model	Dimensions													
	L1		L2		H1		H2*		Radius		W1		W2	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
TF01	3.98	101	6.18	157	3.03	77	4.97 / 4.79	126 / 122	0.97	24.7	1.97	50	2.87	73
TF03	4.96	126	8.03	204	3.82	97	5.82 / 5.64	148 / 143	1.29	32.8	2.64	67	3.7	94
TF05	6.34	161	9.69	246	4.51	114.5	6.51 / 6.32	165 / 161	1.54	39.1	3.15	80	4.84	123
TF08	6.73	171	10.91	277	4.96	126.1	6.97 / 6.78	177 / 172	1.76	44.6	3.58	91	5.12	130
TF10	8.19	208	12.32	313	5.87	149	7.87 / 7.68	200 / 195	3.76	95.6	3.94	100	5.51	140

Designs and specifications are subject to change without notice or obligation. Read all safety instructions in the manual before usage.

*Values seperated by slash are for model variants: Co-axial / Twin

TF Series standard setup



All TF wrenches are provided with the following equipment as standard:

1. Adjustable Retained Reaction Arm.
2. Square Drive with Integrated Retainer for use with impact sockets.
3. Fully Adjustable Ergonomic Support Handle.
4. Peli-case style packaging and custom foam.
5. All TF wrenches can be supplied with Co-Axial coupling or standard twinline.

Use high quality impact sockets

Hydraulic wrenches in TF Series offer extremely high torque output. Excellent power to weight ratio and range of 5 models covering torque from 283 – 15619 Nm (209 - 11520 Ft. lb.).

TF & RT Series accessories

7

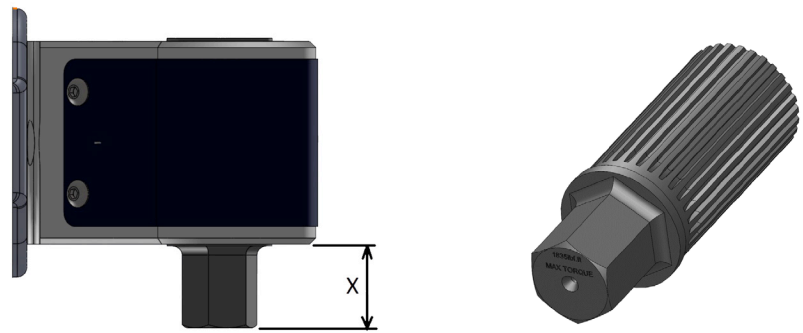


These are available in various sizes. Please contact our sales team for more information.

Ordering No	Size	Description
8434 2101 72	1/2"	RT0.5-HX-008
8434 2138 44	10mm	RT0.5-HX-10MM
8434 2138 47	12mm	RT0.5-HX-12MM
8434 2138 50	14mm	RT0.5-HX-14MM
8434 2138 53	16mm	RT0.5-HX-16MM
8434 2138 56	17mm	RT0.5-HX-17MM
8434 2138 59	18mm	RT0.5-HX-18MM
8434 2138 62	19mm	RT0.5-HX-19MM
8434 2138 65	20mm	RT0.5-HX-20MM
8434 2138 68	22mm	RT0.5-HX-22MM
8434 2101 71	24mm	RT0.5-HX-24MM
8434 2138 71	5/8"	RT01-HX-010
8434 2138 74	3/4"	RT01-HX-012
8434 2138 77	7/8"	RT01-HX-014
8434 2056 94	1"	RT01-HX-100
8434 2138 83	10mm	RT01-HX-10MM
8434 2138 86	14mm	RT01-HX-14MM
8434 2138 89	16mm	RT01-HX-16MM
8434 2056 96	17mm	RT01-HX-17MM
8434 2138 92	18mm	RT01-HX-18MM
8434 2056 98	19mm	RT01-HX-19MM
8434 2057 00	20mm	RT01-HX-20MM
8434 2057 02	22mm	RT01-HX-22MM
8434 2057 04	24mm	RT01-HX-24MM
8434 2138 98	25mm	RT01-HX-25MM
8434 2138 95	26mm	RT01-HX-26MM
8434 2057 06	27mm	RT01-HX-27MM
8434 2057 14	5/8"	RT03-HX-010
8434 2057 16	3/4"	RT03-HX-012
8434 2057 18	7/8"	RT03-HX-014
8434 2057 20	1"	RT03-HX-100
8434 2139 28	1 1/8"	RT03-HX-102
8434 2139 31	1 1/4"	RT03-HX-104
8434 2139 34	1 1/2"	RT03-HX-108
8434 2139 35	15mm	RT03-HX-15MM
8434 2139 36	16mm	RT03-HX-16MM
8434 2139 37	17mm	RT03-HX-17MM
8434 2057 22	19mm	RT03-HX-19MM
8434 2057 24	22mm	RT03-HX-22MM
8434 2057 26	24mm	RT03-HX-24MM
8434 2139 43	26mm	RT03-HX-26MM
8434 2057 28	27mm	RT03-HX-27MM
8434 2139 46	30mm	RT03-HX-30MM
8434 2057 30	32mm	RT03-HX-32MM
8434 2139 49	36mm	RT03-HX-36MM

Ordering No	Size	Description
8434 2139 55	38mm	RT03-HX-38MM
8434 2139 58	41mm	RT03-HX-41MM
8434 2139 61	46mm	RT03-HX-46MM
8434 2139 64	55mm	RT03-HX-55MM
8434 2140 04	1"	RT-05
8434 2140 13	1 1/4"	RT05-HX-104
8434 2139 97	19mm	RT05-HX-19MM
8434 2140 00	22mm	RT05-HX-22MM
8434 2140 03	24mm	RT05-HX-24MM
8434 2140 06	26mm	RT05-HX-26MM
8434 2057 36	27mm	RT05-HX-27MM
8434 2140 10	30mm	RT05-HX-30MM
8434 2140 12	32mm	RT05-HX-32MM
8434 2057 38	36mm	RT05-HX-36MM
8434 2057 39	38mm	RT05-HX-38
8434 2057 40	41mm	RT05-HX-41MM
8434 2057 42	46mm	RT05-HX-46MM
8434 2140 20	50mm	RT05-HX-50MM
8434 2140 21	55mm	RT05-HX-55MM
8434 2140 45	24mm	RT08-HX-24MM
8434 2140 48	27mm	RT08-HX-27MM
8434 2140 69	1"	RT10-HX-100
8434 2140 72	1 1/2"	RT10-HX-108
8434 2140 75	32mm	RT10-HX-32MM
8434 2057 46	36mm	RT10-HX-36MM
8434 2057 48	41mm	RT10-HX-41MM
8434 2057 50	46mm	RT10-HX-46MM
8434 2057 52	50mm	RT10-HX-50MM
8434 2140 81	55mm	RT10-HX-55MM

Hex drive dimensions



RT Hex Drives - Inch Series

Wrench Ref	Hex AF inch	X inch	Max Torque lbf.ft
RT-0.5	3/8	0.472	149
RT-0.5	7/16	0.512	236
RT-0.5	1/2	0.551	353
RT-0.5	5/8	0.591	689
RT-01	5/8	0.709	689
RT-01	3/4	0.827	1191
RT-01	7/8	0.945	1892
RT-01	1	1.063	2824
RT-03	3/4	0.906	1191
RT-03	7/8	1.024	1892
RT-03	1	1.142	2824
RT-03	1 1/4	1.299	5516
RT-05	1	1.142	2824
RT-05	1 1/4	1.299	5516
RT-05	1 1/2	1.417	9531
RT-05	1 3/4	1.614	15135
RT-08	1	1.142	2824
RT-08	1 1/4	1.299	5516
RT-08	1 1/2	1.417	9531
RT-08	1 3/4	1.614	15135
RT-10	1 1/4	1.339	5516
RT-10	1 1/2	1.457	9531
RT-10	1 3/4	1.654	15135
RT-10	2	1.850	22593

RT Hex Drives - Metric Series

Wrench Ref	Hex AF mm	X mm	Max Torque Nm
RT-0.5	10	12	234
RT-0.5	12	13	404
RT-0.5	14	14.5	641
RT-0.5	17	16	1147
RT-01	17	19	1147
RT-01	19	21	1602
RT-01	22	24.5	2486
RT-01	27	28	4596
RT-03	19	23	1602
RT-03	22	26.5	2486
RT-03	27	30	4596
RT-03	32	35	7652
RT-05	27	30	4596
RT-05	32	35	7652
RT-05	36	39	10895
RT-05	41	45	16094
RT-08	27	30	4596
RT-08	32	35	7652
RT-08	36	39	10895
RT-08	41	45	16094
RT-10	32	36	7652
RT-10	36	40	10895
RT-10	41	46	16094
RT-10	46	50	22730
RT-10	50	52	29190

