

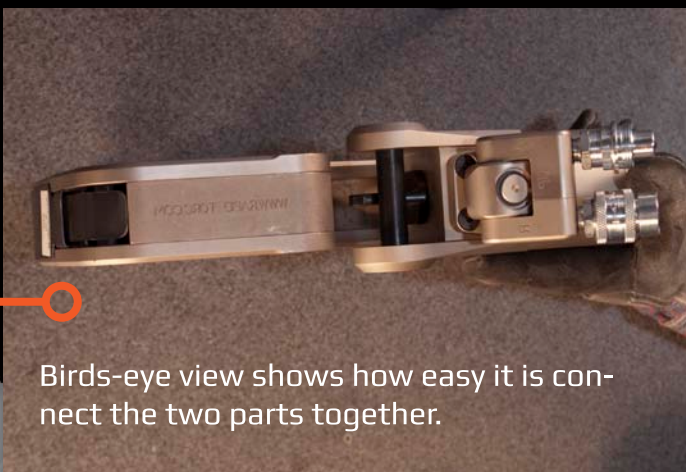
→ Tear along the perforated edge. Remove this quick start guide and take it to the job site.

Exclusive swivel design provides 100% safety for the operator.

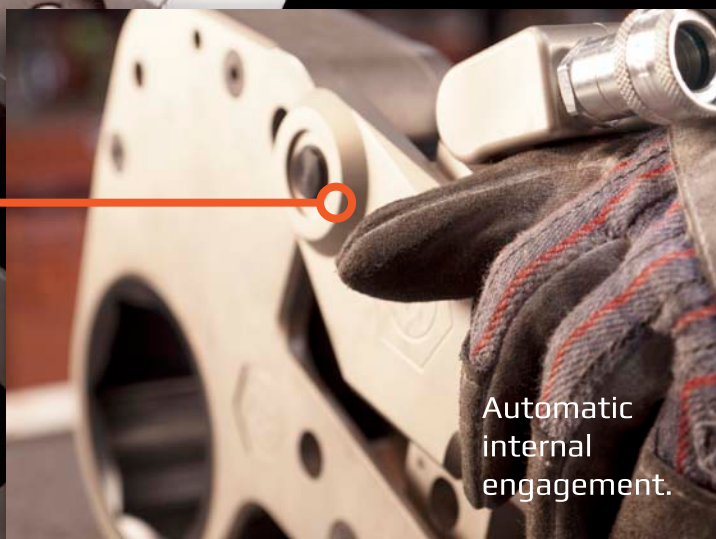


Made in the USA

6 models from 167 ft.lbs up to 45,000 ft.lbs.
Repeatability at +/-1%
Output accuracy certified at +/-3%
Largest hex size range available



Birds-eye view shows how easy it is connect the two parts together.



Automatic internal engagement.



RTX HEX DRIVE POCKET GUIDE



WARNING

Operator should operate both the tool and the pump. Keep hands clear of tool during operation.

Please consult user manual for detailed tool operation and instructions. This POCKET GUIDE is for operators that have read the manual and only need a quick reference for setting torque.

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ACCESSORIES

One-side reaction arm



Hex Inserts



Alco reaction arm



World class tools brought to you by your local distributor:

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RTX SERIES

HEX DRIVE HYDRAULIC TORQUE WRENCH

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HEX DRIVE HYDRAULIC TORQUE WRENCH

RTX Series is the ultimate torque tool for flanges. When Rapid-Torc® engineers saw the tools available for torquing flanges, they knew there could be a better way. Most tools were heavy and were poorly built with low quality components and bad manufacturing. They were also workplace hazards because poor designs required the operator to hold the tool in place. RTX changes that. Hands free operation, high quality components and superior manufacturing make RTX the ideal choice for torquing flanges.

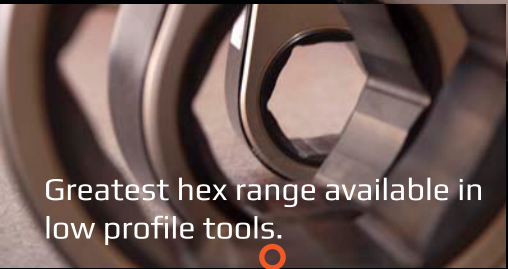
From design, to manufacturing and calibration, RTX Series is a purpose-built machine. It stands second to none.



Lowest radius available in any low profile tool in the market.

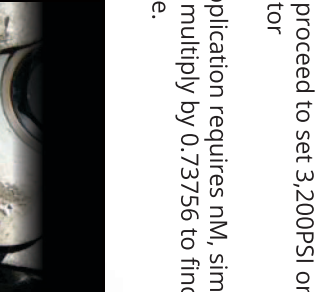
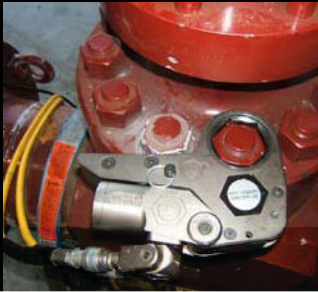


High strength steel

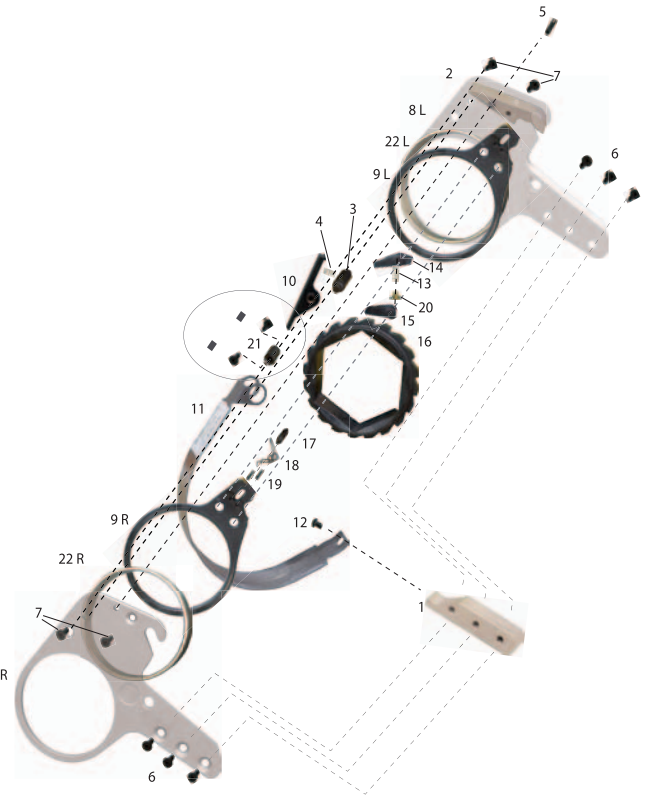


Aircraft quality aluminum.

Greatest hex range available in low profile tools.

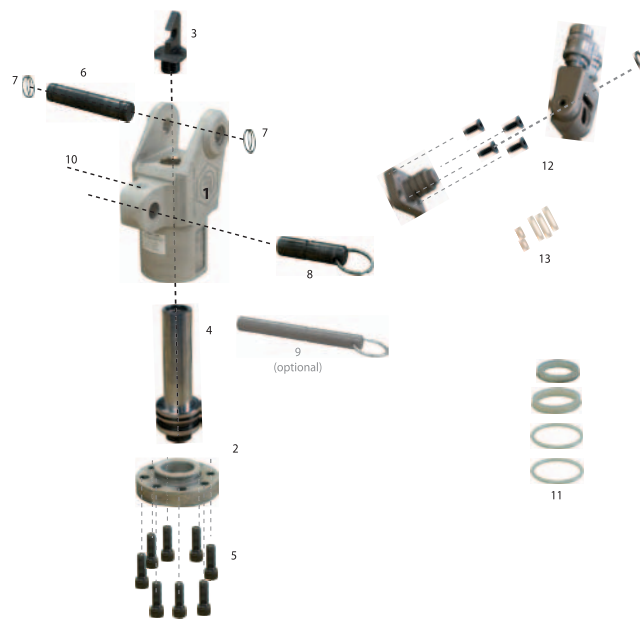


RL Ratchet Link Parts List



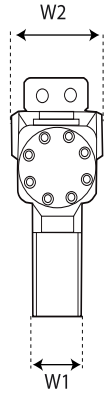
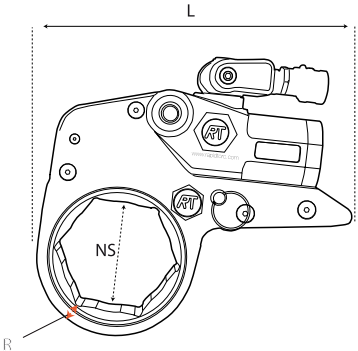
	Description	Part Number
1	Reaction Block Spacer	RTX-#-45
2	Top Spacer	RTX-#-46
3	Reaction Pawl Spring Spacer	RTX-#-47
4	Reaction Pawl Spring	RTX-#-37
5	Side Plate Roll Pin	RTX-#-48
6	Side Plate Screw Bottom (4)	RTX-#-50
7	Side Plate Screw Top (4)	RTX-#-51
8	Side Plate (left or right)	RTX-#-52
9	Drive Plate (left or right)	RTX-#-35
10	Reaction Pawl	RTX-#-36
11	Shroud	RTX-#-43
12	Shroud Screw	RTX-#-44
13	Drive Pawl Spring	RTX-#-27
14	Drive Pawl Primary	RTX-#-22
15	Drive Pawl Secondary	RTX-#-23
16	Ratchet	RTX-#-28
17	Drive Pin	RTX-#-33
18	Drive Pin Spring	RTX-#-34
19	Drive Spring Roll Pin	RTX-#-32
20	Spring Seat	RTX-#-49
21	Reaction Pawl Pin	RTX-#-99

RTX Powerhead Parts List



	Description	Part Number
1	Housing	RTX-#-01
2	End Cap	RTX-#-02
3	Rod End	RTX-#-05
4	Piston Rod Assembly	RTX-#-06
5	Cylinder End Cap Screws	RTX-#-07
6	Fixed Upper Pin	RTX-#-08
7	Fixed Upper Pin Ring (2)	RTX-#-09
8	Link Pin Short	RTX-#-10
9	Link Pin Long (optional)	RTX-#-11
10	Link Pin Retainer	RTX-#-12
11	Housing Seal Kit	RTX-#-13
12	Swivel Assembly 180 X 360	RTX-#-62
13	Swivel Seal Kit	RTX-#-63

RTX Series Technical Specifications



Model	Ratchet Link Hex Size		Torque				Weight		Dimensions									
			Ft-lbs		Nm				L		N5		R		W1		W2	
	in	mm	min	max	min	max	lbs	kg	in	mm	in	mm	in	mm	in	mm	in	mm
RTX-2	¾ – 2 ¾	19-65	255	1710	346	2318	4.5	2	7.2	183	¾ – 2 9/16	19-65	0.35	9	1.26	32	1.92	49
RTX-4	1" – 3 1/8	25-85	580	3855	786	5226	9.7	4.4	9.7	248	1 5/16 – 3 1/8	32-80	0.47	12	1.65	42	2.56	65
RTX-8	1 5/8 – 4 1/8	46-105	1143	8151	1549	11049	19.5	9	12.1	308	1 13/16 – 3 7/8	46-100	0.59	15	2.08	53	3.22	82
RTX-14	2 ½ – 5 9/16	60-135	2010	13400	2725	18165	33	15	14.6	372	2 – 4 5/8	50-120	0.72	18.5	2.48	63	3.89	99
RTX-18	3 1/4 – 5 1/2	75-140	2676	17845	3628	24191	51	23	15.5	393	3" – 5 1/2"	75-140	.87	22.2	2.75	70	4.37	111
RTX-30	3 ½ – 6 ½	90-165	4770	31800	6466	43108	78	35.5	18	457	3 9/16 – 6 1/8	90-155	1	25.4	3.26	83	5.28	132

Use this torque conversion chart to find the appropriate pressure value for you tool in ft.lbs.

An example of finding the desired torque required is as follows:

1. Assume you are going to use a Rapid-Torc tool to torque a 1-1/4" bolt to 1,225 ft.lbs.
2. Start by going to the chart above and read left-to-right across the top line (Starts out PSI and go to the right tool model etc) Ex: RTX-4
3. Read straight down to the number closest to 1,225 ft.lbs, which in this case is 1,232-about .5% over the targeted torque value.
4. Now using 1,232 ft.lbs, read back to the left on that same line and read the pump pressure, under the PSI column, 3,200 PSI.
5. To be technically correct, you should diminish that 3,200PSI by 0.5% (to 3,184), but 1,232 is well within the tool's +/- .3% accuracy range, so proceed to set 3,200PSI on your pump's regulator.

If application requires nM, simply take the nM value and multiply by 0.73756 to find an approximate ft.lb value.

PSI	BAR	RTX-2	RTX-4	RTX-8	RTX-14	RTX-18	RTX-30	PSI	BAR	RTX-2	RTX-4	RTX-8	RTX-14	RTX-18	RTX-30
1500	104	255	580	1143	2010	2676	4770	5800	400	986	2238	4667	7772	10348	18444
1600	110	272	618	1234	2144	2854	5088	6000	414	1020	2315	4830	8040	10705	19080
1800	124	306	694	1417	2412	3209	5724	6200	427	1054	2392	4996	8308	11062	19716
2000	138	340	770	1600	2680	3565	6360	6400	441	1088	2469	5161	8576	11419	20352
2200	152	376	847	1754	2948	3922	6996	6600	455	1122	2546	5327	8844	11776	20988
2400	165	412	924	1907	3216	4279	7632	6800	468	1156	2623	5492	9112	12133	21624
2600	179	448	1001	2061	3484	4636	8268	7000	482	1190	2700	5658	9380	12490	22260
2800	193	484	1078	2214	3752	4993	8904	7200	496	1224	2777	5825	9648	12848	22896
3000	207	520	1155	2368	4020	5350	9540	7400	510	1258	2854	5992	9916	13206	23532
3200	220	552	1232	2533	4288	5708	10176	7600	524	1292	2931	6158	10184	13564	24168
3400	234	584	1309	2698	4556	6066	10812	7800	538	1326	3008	6325	10452	13920	24804
3600	248	616	1386	2864	4824	6424	11448	8000	552	1360	3085	6492	10720	14280	25440
3800	262	648	1463	3029	5092	6782	12084	8200	565	1394	3163	6658	10988	14637	26076
4000	276	680	1540	3194	5360	7140	12720	8400	579	1428	3241	6823	11254	14994	26712
4200	290	714	1618	3358	5628	7496	13356	8600	593	1462	3319	6989	11524	15351	27348
4400	303	748	1696	3522	5896	7852	13992	8800	607	1496	3397	7154	11792	15708	27984
4600	317	782	1774	3685	6164	8208	14628	9000	620	1530	3475	7320	12060	16065	28620
4800	331	816	1852	3849	6432	8564	15264	9200	634	1564	3551	7486	12328	16421	29256
5000	345	850	1930	4013	6700	8920	15900	9400	648	1602	3627	7652	12596	16777	29892
5200	358	884	2007	4176	6968	9277	16536	9600	662	1638	3703	7819	12864	17133	30528
5400	372	918	2084	4340	7236	9634	17172	9800	676	1674	3779	7985	13132	17489	31164
5600	386	952	2161	4503	7504	9991	17808	10000	690	1710	3855	8151	13400	17845	31800