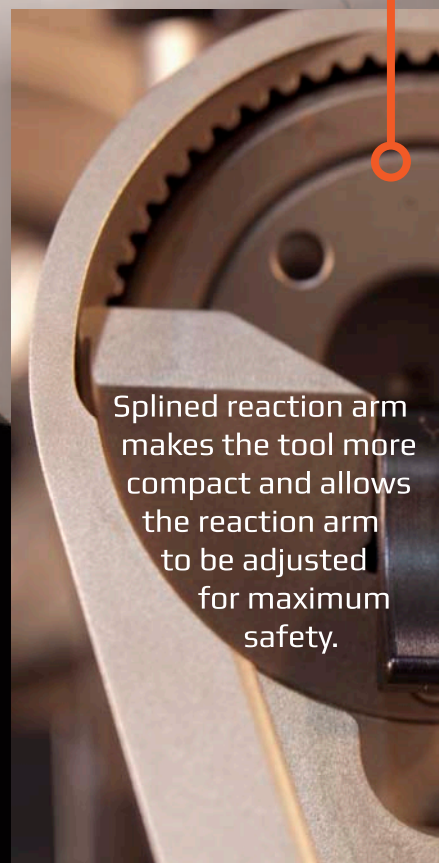




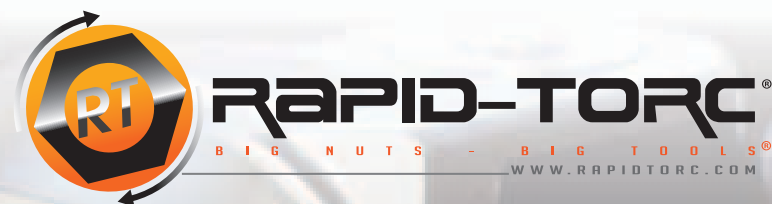
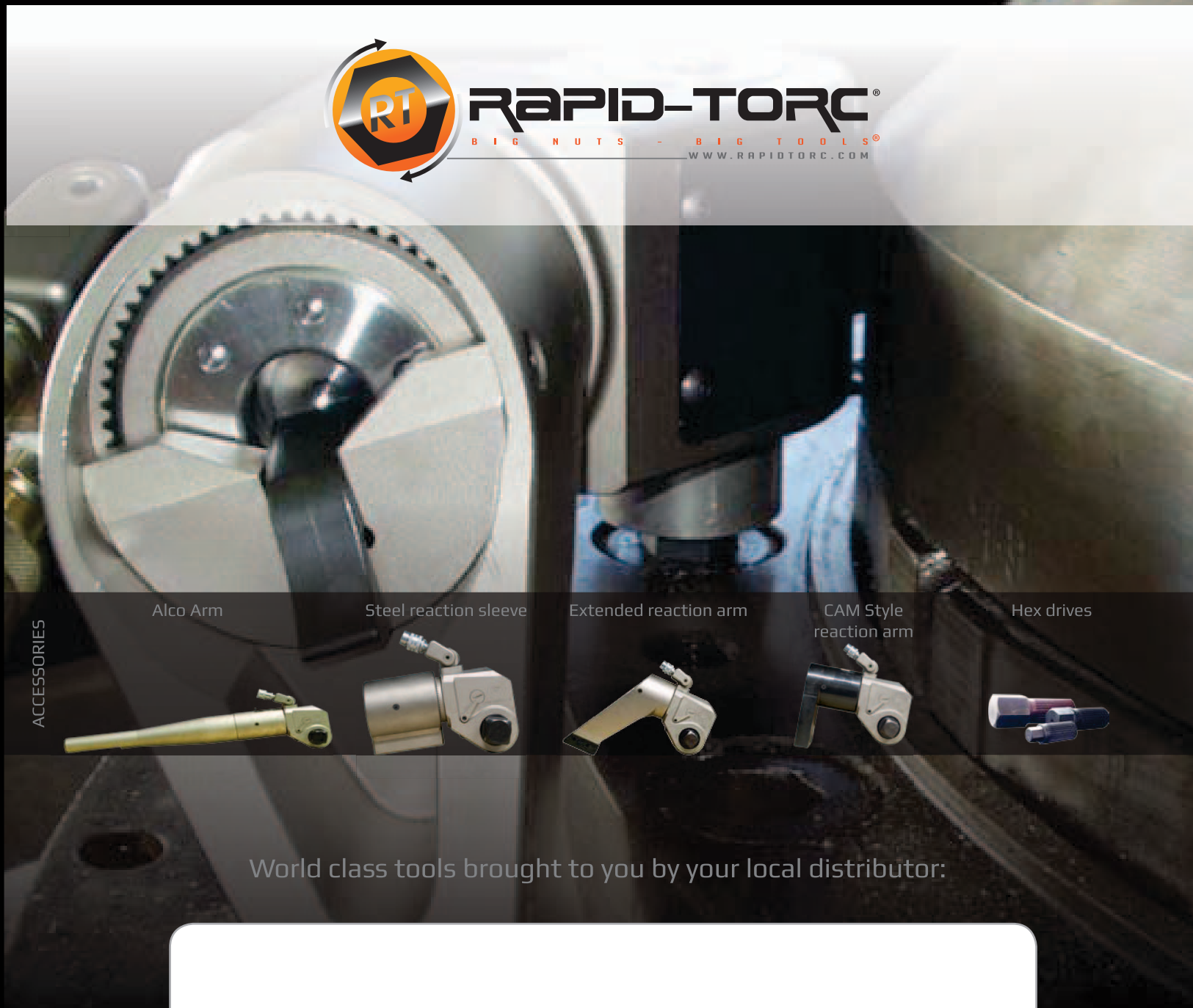
Made in the USA
9 models from 55 ft.lbs. up to 52,500 ft.lbs.
5 square drive sizes: 1/2", 3/4", 1", 1-1/2" & 2-1/2"
Output accuracy certified at +/-3%



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



RT Series comes standard with high-strength steel boot. Copper boot is also available.



ACCESSORIES

Alco Arm

Steel reaction sleeve

Extended reaction arm

CAM Style reaction arm

Hex drives

World class tools brought to you by your local distributor:

US Headquarters

Rapid-Torc, Inc
Phone: (281)448-5900
Fax: (281)260-0779
2406 E Pasadena Fwy
Pasadena, TX 77506
USA

European Headquarters

Rapid-Torc SA
Phone: +32 2 358 1933
Fax: +32 2 358 5066
Av Louise, 306
B-1050 Brussel
Belgium

www.rapidtorc.com
sales@rapidtorc.com



RT SERIES
SQUARE DRIVE HYDRAULIC TORQUE WRENCH



RT SQUAREDRIVE 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.

US Headquarters

Rapid-Torc, Inc
Phone: (281)448-5900
Fax: (281)260-0779
2406 E Pasadena Fwy
Pasadena, TX 77506
USA

European Headquarters

Rapid-Torc SA
Phone: +32 2 358 1933
Fax: +32 2 358 5066
Av Louise, 306
B-1050 Brussel
Belgium

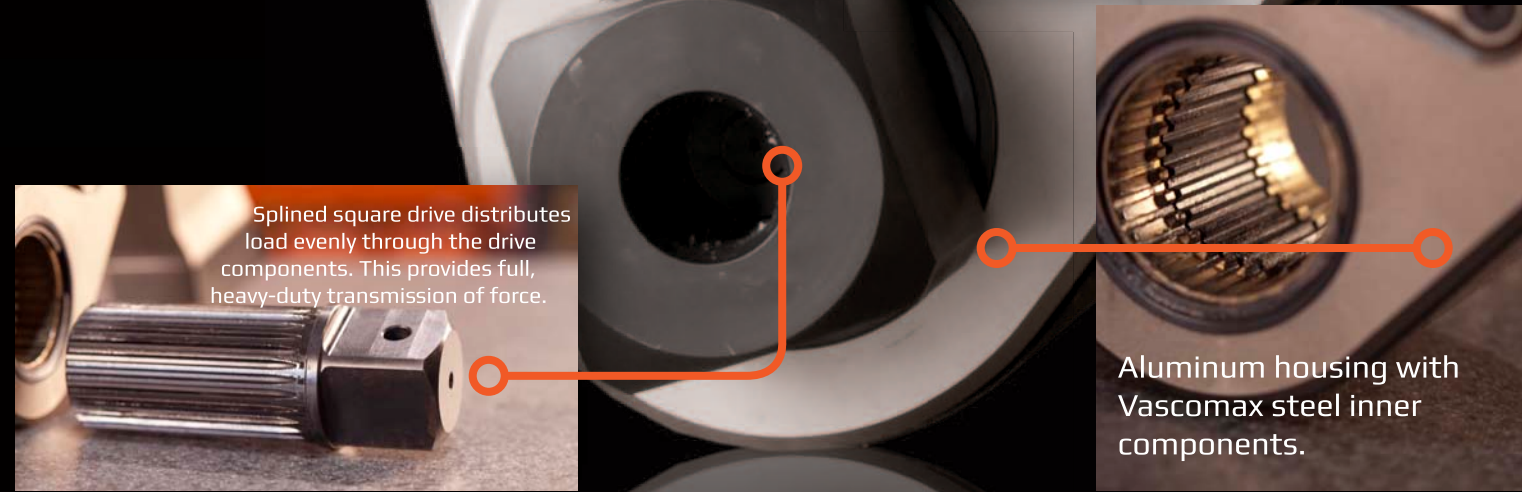
www.rapidtorc.com
sales@rapidtorc.com



RT SERIES
SQUARE DRIVE HYDRAULIC TORQUE WRENCH

RT Series embodies torque
When Rapid-Torc® engineers decided on design and components, the shared vision was unanimous: build the tool that would be trusted for the most critical applications in the world. They realized that, while others were making cheap tools to make sales, it's best for the end user to have a safe tool that can be used to build safe connections.

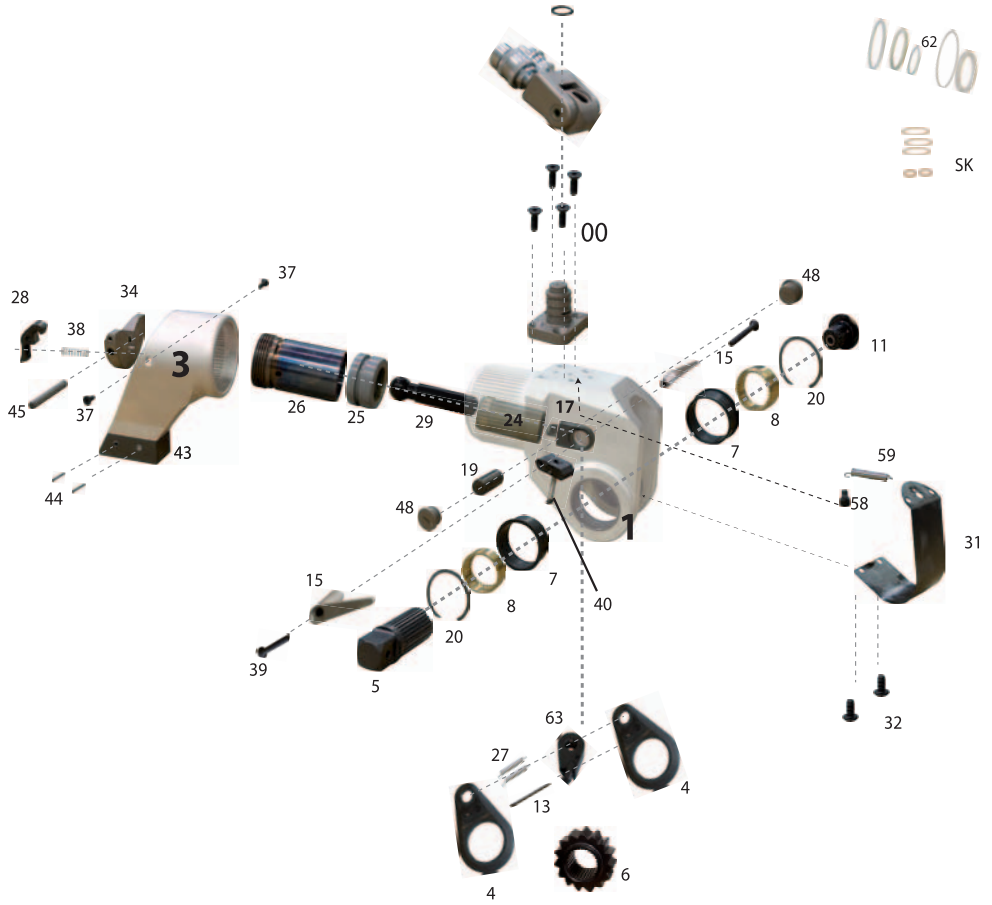
From design, to manufacturing and calibration, RT Series is a purpose-built machine. It stands second to none.



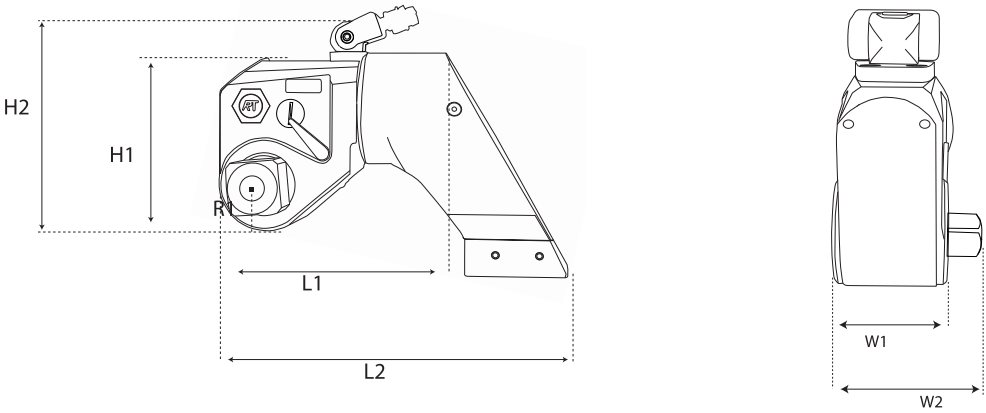
ITEM	DESCRIPTION	PART NO.*
1	Housing	RT-#-1
3	Reaction Arm Assembly	RT-#-3
4	Drive Plate	RT-#-4
5	Square Drive	RT-#-5
6	Ratchet Spine	RT-#-6
7	Drive Bushing (2)	RT-#-7
8	Drive Sleeve Spline (2)	RT-#-8
10	Reaction Pawl	RT-#-10
11	Drive Retainer	RT-#-11
13	Drive Plate Roll Pin	RT-#-13
15	Disengagement Lever w/screws	RT-#-15
17	Piston Rod End	RT-#-17
18	Reaction Pawl Spring + Roll Pin	RT-#-18
19	Rod End Pin	RT-#-19
20	Drive Sleeve Retaining Ring	RT-#-20
24	Piston Sleeve with Seal	RT-#-24
25	Piston with Seal	RT-#-25
26	Cylinder End Cap	RT-#-26
27	Drive Pawl Spring (2)	RT-#-27
28	Reaction Arm Lever	RT-#-28
29	Piston Rod	RT-#-29

ITEM	DESCRIPTION	PART NO.*
31	Shroud	RT-#-31
32	Shroud Screws (2)	RT-#-32
33	Secondary Drive Pawl Spring	RT-#-33
34	Reaction Arm Plate	RT-#-34
37	Reaction Arm Plate Screws (2)	RT-#-37
38	Reaction Arm Lever Spring	RT-#-38
39	Disengagement Lever Screw	RT-#-39
40	Primary Drive Pawl Roll Pin	RT-#-40
41	Secondary Drive Pawl Pin	RT-#-41
42	Reaction Pawl Roll Pin	RT-#-42
43	Reaction Arm Boot with Pins	RT-#-43
44	Reaction Arm Boot Pin (2)	RT-#-44
45	Reaction Arm Lever Pin	RT-#-45
48	Access Plug (2)	RT-#-48
58	Shroud Spring Screw	RT-#-58
59	Shroud Spring	RT-#-59
61	Piston Rod Assembly	RT-#-61
62	Housing Seal Kit	RT-#-62
63	Drive Pawl Assembly	RT-#-63
00	Swivel Assembly	RT-#-00
SK	Swivel Seal Kit	RT-#-SK

RT Series Parts List



RT Series Technical Specifications



Model	Square Drive	Torque				Weight		Dimensions													
		Ft-lbs		Nm				L1		L2		H1		H2		Radius		W1		W2	
		in	min	max	min	max	lbs	kg	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
RT-.5	1/2"	55	397	75	538	0.8	0.4	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-1	3/4"	200	1340	271	1817	3.8	1.9	4.68	120	7.13	183	3.52	90.5	4.75	122	0.9	23	1.95	50	2.76	71
RT-3	1"	480	3230	651	4379	7.8	3.9	6.04	155	9.24	237	4.68	120	6.08	156	1.28	33	2.59	66.5	3.72	95.5
RT-5	1-1/2"	835	5590	1132	7578	15	7.5	7.21	185	11.23	288	5.63	144.5	7.05	181	1.44	37	3.12	80	4.9	126
RT-8	1-1/2"	1200	8000	1627	10845	23	11.5	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	1-1/2"	1755	11520	2379	15617	26.8	13.4	9	232	13.9	357	7.2	186	9.3	239	1.87	48	3.9	100	5.5	142.5
RT-20	2-1/2"	2960	19760	4013	26787	36	18	10.2	259	16.55	420	8.5	216	9.9	251	2.17	55.11	4.7	119	6.7	170
RT-25	2-1/2"	3960	25890	5368	35096	62	31	12	310	18.4	473	9.1	234	11	282	2.37	61	5.2	134	7.4	191
RT-50	2-1/2"	7875	52500	10675	71169	96	48	15.2	390	23.9	615	11.4	294	13.4	344	30.8	79	6.5	167	8.9	228

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

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

- Assume you are going to use a Rapid-Torc tool to torque a 1-1/4" bolt to 1,265 ft.lbs.
- 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: RT-3
- Read straight down to the number closest to 1,265 ft.lbs, which in this case is 1,280-about 1.5% over the targeted torque value.
- Now using 1,280 ft.lbs, read back to the left on that same line and read the pump pressure under the PSI column, 4,000PSI. To be technically correct you should diminish that 4,000PSI by 1.5% (to 3,940), but 1,280 is well within the tools +/-3% accuracy range so proceed to set 4,000PSI on your pumps regulator
- If application requires nM, simply take the nM value and multiply by 0.73756 to find an approximate ft.lb value.

PSI	BAR	RT1	RT3	RT5	RT8	RT10	RT20	RT25	RT50	PSI	BAR	RT1	RT3	RT5	RT8	RT10	RT20	RT25	RT50
1500	104	200	480	835	1200	1755	2960	3960	7875	5800	400	802	1866	3238	4640	6632	11460	15010	30450
1600	110	214	512	890	1280	1864	3160	4216	8400	6000	414	830	1930	3350	4860	6860	11860	15530	31500
1800	124	242	576	1000	1440	2082	3555	4728	9450	6200	427	858	1994	3462	4980	7094	12250	16040	32550
2000	138	270	640	1110	1600	2300	3950	5240	10500	6400	441	886	2058	3574	5120	7238	12645	16550	33600
2200	152	298	704	1222	1760	2526	4245	5752	11550	6600	455	914	2122	3686	5280	7562	13040	17060	34650
2400	165	326	768	1334	1920	2752	4540	6264	12600	6800	468	942	2186	3798	5440	7796	13450	17570	35700
2600	179	354	832	1446	2080	2978	5135	6776	13650	7000	482	970	2250	3910	5600	8030	13850	18080	36750
2800	193	382	896	1558	2240	3204	5530	7288	14700	7200	496	998	2316	4022	5760	8264	14235	18602	37800
3000	207	410	960	1670	2400	3430	5930	7800	15750	7400	510	1026	2382	4134	5920	8498	14620	19124	38850
3200	220	438	1024	1782	2560	3656	6325	8318	16800	7600	524	1054	2448	4246	6080	8732	15020	19646	39900
3400	234	466	1088	1894	2720	3882	6720	8836	17850	7800	538	1082	2514	4358	6240	8966	15415	20168	40950
3600	248	494	1152	2006	2880	4108	7115	9354	18900	8000	552	1110	2580	4470	6400	9200	15810	20680	42000
3800	262	522	1216	2118	3040	4334	7510	9872	19950	8200	565	1138	2646	4582	6560	9432	16200	21214	43050
4000	276	550	1280	2230	3200	4560	7905	10390	21000	8400	579	1166	2712	4694	6880	9664	16600	21738	44100
4200	290	578	1346	2342	3360	4792	8300	10898	22050	8600	593	1194	2778	4806	6880	9866	16995	22262	45150
4400	303	606	1412	2454	3520	5024	8695	11406	23100	8800	607	1222	2844	4918	7040	10128	17390	22786	46200
4600	317	634	1478	2565	3680	5256	9090	11914	24150	9000	620	1250	2910	5030	7200	10360	17785	23310	47250
4800	331	662	1544	2678	3840	5488	9485	12422	25200	9200	634	1278	2974	5142	7360	10592	18180	23826	48300
5000	345	690	1610	2790	4000	5720	9880	12930	26250	9400	648	1306	3038	5254	7520	10824	18575	24342	49350
5200	358	718	1674	2902	4160	5948	10275	13450	27300	9600	662	1334	3102	5366	7680	11056	18970	24858	50400
5400	372	746	1738	3014	4320	6176	10670	13970	28350	9800	676	1362	3166	5478	7840	11288	19365	25324	51450
5600	386	774	1802	3126	4480	6404	11065	14490	29400	10000	690	1390	3230	5590	8000	11520	19760	25890	52500