



Approximate WR² (lb-in²) Referred to Drive High Speed Shaft ★

Nominal Ratios	DRIVE SIZE												
	385	405	425	445	465	485	505	525	535	545	555	565	585
Double Reduction													
5.06	715	1,270	2,630	5,250	8,090	...	...	...	...	...	...	...	...
5.60	682	1,210	2,500	5,110	7,730	...	...	...	...	...	...	...	...
6.20	645	1,150	2,380	4,960	7,240	...	...	...	...	...	...	...	...
6.86	623	1,110	2,270	4,800	7,100	...	...	...	...	...	...	...	...
7.59	608	1,090	2,240	4,640	6,890	7,260	11,900	17,100	...	...	...	...	...
8.40	379	678	1,320	2,450	4,510	7,040	11,600	16,300	...	...	...	...	...
9.30	362	647	1,270	2,380	4,290	6,680	10,900	15,500	...	...	...	...	...
10.29	352	617	1,220	2,310	4,240	6,460	10,600	15,000	...	...	...	...	...
11.39	346	370	1,200	2,240	4,140	6,260	10,200	14,600	...	...	...	...	...
12.61	198	358	736	1,380	2,320	3,770	6,060	8,300	...	...	...	...	...
13.95	191	345	712	1,350	2,220	3,600	5,750	7,960	...	...	...	...	...
15.44	187	338	691	1,310	2,200	3,510	5,590	7,750	...	...	...	...	...
17.09	184	332	684	1,280	2,160	3,420	5,440	7,550	...	...	...	...	...
Triple Reduction													
13.95	...	235	605	1,000	1,819	3,610	7,260	...	11,600	25,200	...	39,500	56,600
15.44	...	205	595	981	1,785	3,547	7,160	...	11,300	24,900	25,200	35,300	55,900
17.09	...	200	578	892	1,606	3,256	6,350	...	11,000	23,400	24,700	34,800	53,200
18.91	118	164	497	821	1,470	3,040	6,290	9,040	9,820	23,100	23,000	34,400	52,600
20.93	115	180	487	793	1,430	2,960	5,840	8,930	9,660	20,800	22,800	34,200	52,000
23.16	114	159	481	713	1,280	2,920	5,800	7,900	8,540	20,700	22,400	33,100	46,600
25.63	105	156	447	705	1,250	2,590	5,700	7,800	8,420	20,500	20,200	30,800	46,200
28.36	103	154	429	666	1,250	2,560	5,490	7,740	8,300	9,340	19,900	29,800	21,300
31.39	93.6	139	245	688	1,190	2,460	2,850	4,620	8,220	8,350	19,400	14,900	20,100
34.74	92.8	80.9	243	393	768	2,440	2,830	4,580	4,700	8,290	9,270	13,500	19,900
38.44	52.6	79.5	228	389	696	1,360	2,790	4,530	4,170	8,240	8,280	13,400	18,600
42.54	51.6	76.2	220	372	670	1,350	2,700	4,510	4,120	8,040	8,190	13,000	18,500
47.08	47.5	71.9	218	381	665	1,300	2,680	2,370	4,080	4,630	7,980	8,200	11,150
52.11	47.1	71.3	130	369	372	1,290	1,620	2,350	2,480	4,600	5,120	7,560	10,600
57.66	28.8	40.1	124	202	366	752	1,600	2,330	2,240	4,580	4,680	7,530	10,100
63.82	28.6	39.6	120	201	355	747	1,560	2,290	2,220	4,490	4,650	7,320	10,000
70.62	26.7	39.3	120	199	353	728	1,550	2,230	2,200	4,460	4,550	7,280	9,720
78.16	26.6	...	...	...	...	...	...	...	...	...	...	...	...
Quadruple Reduction													
70.62	...	...	...	...	...	...	...	...	...	...	...	...	11,100
78.16	...	31.3	116	178	482	803	1,610	1,880	2,020	6,260	6,010	10,200	10,800
86.50	24.9	31.1	106	177	480	798	1,500	1,870	2,010	6,250	5,760	9,020	10,100
95.73	24.8	30.1	65.1	93.6	251	796	1,480	1,570	1,680	5,960	5,830	9,010	10,100
105.9	24.3	29.9	63.1	92.5	250	698	1,320	1,560	1,670	5,960	5,620	8,760	5,990
117.2	24.2	29.8	57.3	89.3	243	696	1,310	1,550	1,660	5,930	5,600	5,500	5,660
129.7	23.9	28.9	56.2	89.0	242	429	830	992	1,070	3,070	5,580	5,110	5,820
143.6	23.8	16.4	56.0	88.6	134	428	820	847	920	2,940	2,850	5,360	5,520
158.9	23.4	16.3	51.9	78.0	133	399	750	844	910	2,940	2,750	5,000	5,510
175.9	23.4	16.2	51.4	47.1	131	398	740	832	900	2,930	2,750	4,990	5,070
194.6	13.6	15.9	29.2	47.0	130	220	440	494	550	1,800	2,740	3,040	5,060
215.4	13.5	15.7	29.1	46.3	130	220	440	486	540	1,780	1,630	2,920	2,990
238.4	13.4	15.7	28.7	42.0	123	201	410	430	480	1,740	1,590	2,760	2,980
263.8	13.4	14.3	28.5	41.9	123	201	410	428	480	1,730	1,580	2,760	2,790
291.9	12.8	14.2	28.2	39.0	116	191	390	424	480	1,640	1,580	2,700	2,750
323.1	12.8	13.5	26.7	38.7	116	190	390	393	440	1,640	1,490	2,700	2,740
357.5	...	13.4	26.5	38.9	116	190	342	391	440	1,630	1,480	2,690	2,720

★ Values in this table are approximate. Where accurate figures are required, or for ratios not shown, consult the Factory. WR² referred to drive low speed shaft equals (exact ratio)² times WR² referred to drive high speed shaft.
 □ Types ABR & ABX only.