



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

Nominal Ratio ★	DRIVE SIZE															
	305	325	345	365	385	395	405	425	445	465	485	505	525	545	565	585
Single Reduction																
1.84	321	560	1,050	1,970	1,200	3,280	2,540	4,470	8,660	14,900	29,400	47,800	71,900			
2.03	281	514	963	1,730	1,090	2,990	2,200	3,960	7,380	12,900	25,300	41,900	62,800			
2.25	247	458	863	1,500	1,020	2,710	1,850	3,500	6,650	11,800	22,900	36,500	55,500			
2.49	227	418	752	1,400	891	2,440	1,650	3,160	5,590	10,700	20,600	33,100	51,100			
2.76	208	364	675	1,250	798	2,000	1,480	2,600	4,910	9,700	17,500	30,200	42,700			
3.05	176	326	554	1,120	720	1,880	1,330	2,420	4,390	8,400	15,900	24,600	39,900			
3.38	158	224	495	1,020	674	1,690	1,310	2,100	3,680	8,250	13,600	22,100	38,100			
3.74	142	206	449	849	605	1,470	1,150	2,050	3,640	7,130	13,100	21,300	33,300			
4.13	103	183	377	709	525	1,230	937	1,700	3,520	5,870	10,900	17,600	28,600			
4.57	88.1	189	371	618	478	1,110	849	1,520	2,830	5,570	9,740	15,600	25,800			
5.06	78.1	161	291	555	435	950	771	1,350	2,380	5,050	8,640	13,700	23,100			
5.60	68.3	138	258	496												
Double Reduction																
5.60	...	...	...	...	339	...	625	1,210	2,270	4,490	8,690	15,400	26,200	50,200	75,800	119,000
6.20	76.2	125	257	589	328	792	596	1,130	2,110	4,280	8,080	14,600	25,100	48,400	71,400	115,000
6.86	71.5	120	243	541	307	729	564	1,080	2,020	4,060	7,740	14,200	18,800	36,500	55,700	111,000
7.59	56.4	113	223	500	290	660	528	836	1,650	2,970	5,790	10,700	18,100	35,300	52,800	82,900
8.40	55.1	115	220	474	223	626	414	802	1,590	2,830	5,580	10,400	13,700	34,100	51,200	80,100
9.30	51.4	106	196	457	211	580	390	607	1,530	2,330	4,410	9,730	13,200	28,200	42,200	77,300
10.29	49.2	100	187	440	175	550	374	585	1,110	2,230	4,270	7,280	10,400	27,400	41,000	63,600
11.39	32.1	55.0	101	241	167	314	295	550	1,070	2,090	3,430	6,840	12,600	20,900	33,400	61,800
12.61	31.5	53.3	97.5	226	162	296	254	466	1,000	1,830	3,340	5,740	10,000	20,400	32,700	51,700
13.95	29.8	51.3	91.8	214	120	275	243	443	972	1,740	3,170	4,630	9,660	16,500	32,100	39,000
15.44	24.0	51.9	91.0	141	117	264	174	431	715	1,310	3,070	5,460	7,490	16,100	28,800	38,200
17.09	22.9	49.1	84.2	133	93.7	251	167	347	697	1,250	2,240	4,330	7,260	15,900	24,200	37,300
18.91	18.2	31.3	65.0	108	91.2	173	162	297	677	1,230	2,180	4,230	6,050	13,700	21,300	33,100
20.93	17.5	29.5	60.3	103	88.9	164	158	290	659	1,200	2,120	3,690	5,950	12,200	20,900	28,300
23.16	14.5	27.8	52.3	99.2	...	157	...	...	...	...	...	...	...	...	...	...
25.63	14.0	26.6	48.9	96.8	...	131	...	...	...	...	...	...	...	...	...	...
28.36	13.7	25.9	47.6	78.3	...	127	...	...	...	...	...	...	...	...	...	...
31.39	10.7	17.3	38.9	76.7	...	101	...	...	...	...	...	...	...	...	...	...
34.74	10.5	16.8	38.0	75.2	...	97.8	...	...	...	...	...	...	...	...	...	...
Triple Reduction																
23.16	...	...	...	...	87.8	...	141	298	550	1,060	2,040	3,080	5,400	11,200	19,800	25,600
25.63	...	...	...	...	86.2	...	186	224	542	1,030	1,990	2,700	6,560	11,100	19,500	18,900
28.36	...	...	...	...	79.2	...	127	221	406	771	1,960	2,990	6,490	8,260	19,400	17,300
31.39	...	...	...	...	78.3	...	125	217	400	751	1,560	2,000	4,220	7,650	14,400	17,100
34.74	...	...	...	...	73.4	...	115	159	304	576	1,540	2,650	4,170	6,600	14,300	14,900
38.44	8.90	16.2	31.4	48.1	72.7	103	114	155	356	536	1,230	1,800	3,850	6,330	11,800	14,400
42.54	8.18	15.7	31.3	47.0	72.2	101	111	154	246	446	1,220	1,790	3,820	6,290	10,700	14,200
47.08	8.03	15.3	24.3	37.0	46.4	92.8	101	144	270	438	951	1,760	3,010	5,490	10,400	10,500
52.11	6.61	9.27	24.3	36.3	46.1	91.6	98.5	121	225	408	942	2,180	2,990	5,460	9,280	10,100
57.66	6.51	12.6	23.6	35.8	44.4	85.5	74.3	96.4	223	403	875	1,670	2,070	5,150	9,250	9,720
63.82	6.07	8.83	21.6	35.3	35.5	49.3	72.9	95.7	221	402	870	1,630	2,050	5,140	9,000	9,980
70.62	6.01	7.19	21.1	32.1	34.2	48.4	72.2	91.2	156	325	614	1,110	2,040	3,800	7,200	9,620
78.16	4.94	7.10	16.4	25.2	42.6	47.9	52.0	88.8	155	322	610	1,080	2,020	3,710	8,000	7,800
86.50	4.90	5.68	16.1	24.9	33.0	31.1	51.7	86.3	151	226	598	1,080	1,550	3,600	7,000	7,640
95.73	4.74	5.58	15.8	19.0	32.9	29.5	44.2	63.0	124	225	485	884	1,510	3,590	6,980	7,610
105.9	4.71	5.51	15.6	18.8	...	29.2	43.6	61.5	126	220	483	863	1,510	3,550	6,870	7,460
117.2	4.66	5.47	15.5	18.7	...	29.0	...	...	...	...	...	...	...	...	...	...
129.7	4.52	5.01	15.1	17.7	...	27.8	...	...	...	...	...	...	...	...	...	...
143.6	4.51	4.98	15.0	17.6	...	27.6	...	...	...	...	...	...	...	...	...	...
158.9	3.36	3.67	9.98	14.0	...	17.0	...	...	...	...	...	...	...	...	...	...
175.9	3.14	3.65	9.94	13.9	...	16.9	...	...	...	...	...	...	...	...	...	...
194.6	3.26	3.44	9.74	11.6	...	16.3	...	...	...	...	...	...	...	...	...	...
215.4	3.05	3.42	9.72	11.5	...	16.2	...	...	...	...	...	...	...	...	...	...

★ Values in this table are approximate. Where accurate figures are required, or for ratios not shown; refer to Rexnord. WR² referred to drive low speed shaft equals (exact total ratio)² times WR² referred to drive high speed shaft.

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

Nominal Ratio ^H	DRIVE SIZE															
	305	325	345	365	385	395	405	425	445	465	485	505	525	545	565	585
Quadruple Reduction																
105.9	33.1	...	41.7	64.8	119	169	406	800	939	...	...	...
117.2	33.1	...	40.8	63.7	118	168	379	745	854	...	...	...
129.7	32.8	...	40.5	60.0	116	164	378	697	851	...	...	...
143.6	32.7	...	37.5	56.9	116	164	368	741	759	...	...	...
158.9	32.3	...	37.3	56.8	116	164	368	688	757	...	...	...
175.9	32.3	...	19.0	56.2	109	153	339	687	438	...	...	...
194.6	17.3	...	19.0	55.8	109	103	338	370	754	...	...	...
215.4	17.3	...	18.7	55.5	67.0	103	182	372	429	...	...	...
238.4	17.2	...	18.6	53.1	66.9	102	181	370	429	...	...	...
263.8	17.2	...	18.6	37.1	63.8	97.6	169	350	427	...	...	...
291.9	17.1	...	17.7	37.0	63.7	97.4	169	348	424	...	...	...
323.1	17.1	...	17.1	36.8	63.5	93.0	168	348	402	...	...	...
357.5	16.7	...	17.1	35.8	61.7	93.0	163	335	401	...	...	...
395.7	16.7	...	17.1	35.7	61.8	92.7	162	340	400	...	...	...
437.9

★ Values in this table are approximate. Where accurate figures are required, or for ratios not shown; refer to Rexnord. WR² referred to drive low speed shaft equals (exact total ratio)² times WR² referred to drive high speed shaft.