

## R SERIES HELICAL GEAR REDUCER



R-Series Helical Gear Reducer from Eternal Gear has been made by advanced international technology which can be certified by international quality standard.

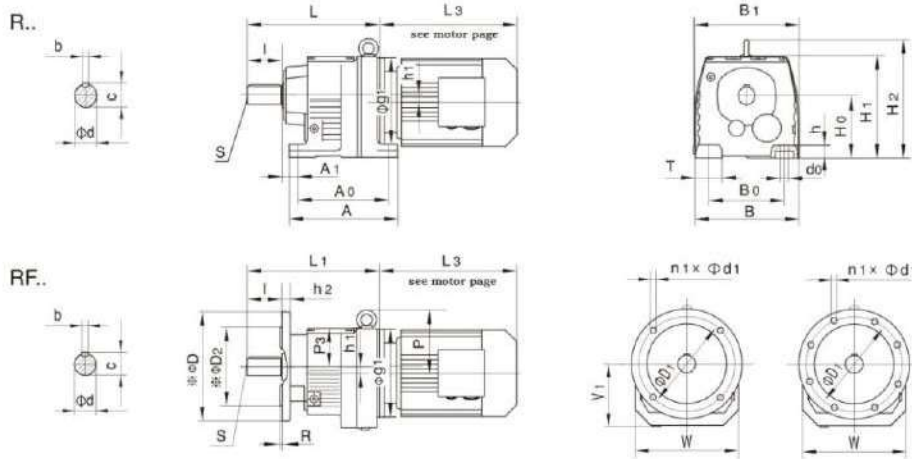
R-Series Helical Gear Reducer is designed based on modularization, which brings many different kinds of combinations, mounting types, and structure designs. The detailed classification of ratio can meet various types of working conditions. It has high transmission efficiency, low energy consumption, superior performance. The hard tooth surface gear uses high-quality alloy steel, the process of carburizing and quenching, grinding, which gives it the following characteristics: Stable transmission, low noise and temperature, high loading, long working life. Wide application range, specialized in Metallurgy, Sewage treatment, Ceramic Industry, Chemical Industry, Pharmacy, Agriculture equipment and Oil industry.

1. Compact structure, modular design
2. Single Stage, Two Stage & Three Stage
3. High reduction ratio and torque density
4. Long service life
5. Various ways of installation : horizontal installation at any position or flanged installation

### TECHNICAL PARAMETER

Power range : 0.12-160KW  
Output speed: 0.16-1028RPM  
Output Torque: up to 23000N.m  
Mounting Type: Foot / Flange Mounting  
Reduction Stage : 2 stage & 3 stage

## R SERIES HELICAL GEAR DIMENSION DETAIL



Type	Installation Size						Shaft Stretch Size						Appearance Size							
	H0	B0	A0	A1	h1	d0	d	b	c	l	S	L	A	B	H1	T	h	H2	g1	B1
R17	75	110	110	18	0	9	20k6	6	22.5	40	M6	207	131	140	134	25	25	-	120	140
R27	90	110	130	25	3.4	9	25k6	8	28	50	M10	193	152	151	147	32	32	-	120	151
R37	90	110	130	25	10.1	9	25k6	8	28	50	M10	201	160	145	151	35	35	-	120	161
R47	115	135	165	30	14	13.5	30k6	8	33	60	M10	235	195	170	187	42	42	-	160	178
R57	115	135	165	30	11.2	13.5	35k6	10	38	70	M12	257	200	190	187	55	55	-	160	202
R67	130	150	195	30	20.7	14	35k6	10	38	70	M12	280	235	210	212	60	60	243	160	215
R77	140	170	205	35	15.9	17.5	40k6	12	43	80	M16	300	245	230	228	60	60	269	200	235
R87	180	215	260	40	12.6	17.5	50k6	14	53.5	100	M16	372	310	290	295	75	75	345	250	297
R97	225	250	310	40	10.2	22	60m6	18	64	120	M20	440	365	340	368	90	90	418	300	348
R107	250	290	370	45	20.4	26	70m6	20	74.5	140	M20	495	440	400	408	110	110	475	350	409
R137	315	340	410	50	25.1	33	90m6	25	95	170	M24	589	490	450	495	110	110	562	400	458
R147	355	380	500	50	33.4	39	110m6	28	116	210	M24	695	590	530	565	150	150	637	450	540
R167	425	500	580	60	59.9	39	120m6	32	127	210	M24	790	670	660	675	160	160	749	550	670

Type	Installation Size															Appearance Size											
	D			D1			D2			R			n1			d1			h2			h1	v1	W	p3	L1	P
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3						
RF17	120	140	-	100	115	-	80j6	95j6	-	3	3	-	4	4	-	6.5	8.5	-	8	9	-	0	76	130	59	215	-
RF27	-	140	160	-	115	130	-	95j6	110j6	-	3	3.5	-	4	4	-	8.5	8.5	-	9	10	3.4	92	142	57	199	-
RF37	-	160	200	-	130	165	-	110j6	130j6	-	3.5	3.5	-	4	4	-	9	11	-	10	12	10.1	94	161	61	207	-
RF47	-	160	200	-	130	165	-	110j6	130j6	-	3.5	3.5	-	4	4	-	9	11	-	10	12	14	118	178	72	235	-
RF57	-	200	250	-	165	215	-	130j6	180j6	-	3.5	4	-	4	4	-	11	13.5	-	12	15	11.2	121	202	72	257	-
RF67	200	250	-	165	215	-	130j6	180j6	-	3.5	4	-	4	4	-	11	13.5	-	12	15	-	20.7	134	215	82	280	113
RF77	250	300	-	215	265	-	180j6	230j6	-	4	4	-	4	4	-	13.5	13.5	-	15	16	-	15.9	144	235	88	300	129
RF87	300	350	-	265	300	-	230j6	250h6	-	4	5	-	4	4	-	13.5	17.5	-	16	18	-	12.6	184	297	115	372	165
RF97	350	450	-	300	400	-	250h6	350h6	-	5	5	-	4	8	-	17.5	17.5	-	18	22	-	10.2	230	348	144	440	193
RF107	350	450	-	300	400	-	250h6	350h6	-	5	5	-	4	8	-	17.5	17.5	-	20	22	-	20.4	255	409	158	495	224
RF137	450	550	-	400	500	-	350h6	450h6	-	5	5	-	8	8	-	17.5	17.5	-	22	25	-	25.1	320	458	180	589	247
RF147	450	550	-	400	500	-	350h6	450h6	-	5	5	-	8	8	-	17.5	17.5	-	22	25	-	33.4	361	540	210	695	285
RF167	550	660	-	500	600	-	450h6	550h6	-	5	6	-	8	8	-	17.5	22	-	25	28	-	59.9	430	670	250	790	324

Shaft stretch size same with the above