



PREMIUM

GREAVES

HORIZONTAL WORM GEARBOXES



Authorised Distributors

SC Industrial Syndicate

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PREMIUM

Ratings at 1500 RPM Input Speed

Nominal Ratio RPM	Nominal Output	Capacity	Unit Size					
			112	162	200	237	287	337
5/1	300	Input Power KW	0.548	1.243	2.72	4.05	5.51	10.8
		Output Torque Nm	16.6	38.4	77.5	121	171	312
7.5/1	200	Input Power KW	-	1.081	1.93	2.92	4.76	7.24
		Output Torque Nm	-	45.8	82.6	126	203	311
10/1	150	Input Power KW	0.432	1.052	1.88	2.60	3.82	6.29
		Output Torque Nm	24.6	61.8	112	146	228	354
15/1	100	Input Power KW	0.329	0.942	1.50	2.30	3.71	5.62
		Output Torque Nm	25.0	73.5	120	186	301	462
20/1	75	Input Power KW	0.300	0.655	1.40	2.30	3.71	5.62
		Output Torque Nm	28.3	67.1	142	233	294	447
25/1	60	Input Power KW	0.266	0.578	1.14	1.83	2.74	3.91
		Output Torque Nm	30.2	70.8	142	231	352	511
30/1	50	Input Power KW	0.217	0.515	0.94	1.46	2.31	3.50
		Output Torque Nm	28.5	73.0	137	214	348	537
40/1	37.5	Input Power KW	0.164	0.427	0.70	1.06	1.68	2.55
		Output Torque Nm	25.4	76.1	129	197	321	498
50/1	30	Input Power KW	0.112	0.309	0.53	0.820	1.31	1.91
		Output Torque Nm	20.9	65.0	115	180	301	446
60/1	25	Input Power KW	0.096	0.240	0.38	0.60	1.00	1.55
		Output Torque Nm	14.8	43.5	75.2	121	264	412
70/1	21.4	Input Power KW	0.090	0.206	0.35	0.53	1.81	1.18
		Output Torque Nm	14.6	43.7	74.0	118	198	305

Nominal Ratio RPM	Nominal Output	Capacity	Unit Size				
			400	500	600	700	800
5/1	300	Input Power KW	12.8	20.9	38.4	51.5	70.4
		Output Torque Nm	372	629	1130	1560	2140
7.5/1	200	Input Power KW	9.18	17.5	26.3	41.5	54.4
		Output Torque Nm	405	769	1190	1860	2450
10/1	150	Input Power KW	8.36	15.9	23.1	31.9	41.3
		Output Torque Nm	467	914	1330	1840	2390
12.5/1	120	Input Power KW	7.25	-	-	-	-
		Output Torque Nm	530	-	-	-	-
15/1	100	Input Power KW	6.67	11.3	20.0	27.6	37.1
		Output Torque Nm	541	927	1700	2360	3190
20/1	75	Input Power KW	5.81	10.4	15.9	21.5	29.4
		Output Torque Nm	618	1130	1800	2370	3280
25/1	60	Input Power KW	4.76	8.00	12.5	19.7	26.9
		Output Torque Nm	616	1060	1680	2680	3710
30/1	50	Input Power KW	4.25	7.45	11.8	16.2	21.6
		Output Torque Nm	641	1160	1880	2610	3500
35/1	42.9	Input Power KW	-	6.71	10.3	14.2	-
		Output Torque Nm	-	1190	1880	2580	-
40/1	37.5	Input Power KW	3.50	5.72	9.64	13.7	17.9
		Output Torque Nm	673	1110	1960	2830	3740
50/1	30	Input Power KW	2.68	4.74	7.81	11.9	15.7
		Output Torque Nm	603	1110	1900	2980	3950
60/1	25	Input Power KW	2.29	4.16	6.24	9.4	13.2
		Output Torque Nm	593	1140	1750	2720	3870
70/1	21.4	Input Power KW	1.98	3.40	5.35	7.75	10.9
		Output Torque Nm	577	1030	1670	2490	3540

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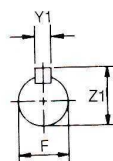
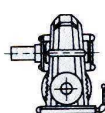
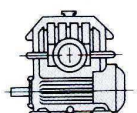
PREMIUM

Ratings at 1500 RPM Input Speed

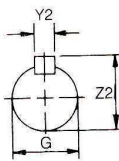
Nominal Ratio	Nominal Output RPM	U & V TYPE UNIT SIZE				O TYPE UNIT SIZE		
		1000	1200	1400	1700	1000	1200	1400
Input Power	- Mechanical	KW	KW	KW	KW	KW	KW	KW
Output Torque	- Mechanical	Nm	Nm	Nm	Nm	Nm	Nm	Nm
Input Power	- Thermal	KW	KW	KW	KW	KW	KW	KW
Output Torque	- Thermal	Nm	Nm	Nm	Nm	Nm	Nm	Nm
5/1	300	121	180	249	-	121	180	249
		3690	5470	7460	-	3690	5470	7460
		88.2	124	Forced	-	88.2	122	Forced
		2680	3790	Lubrication	-	2680	3720	Lubrication
7.5/1	200	89	138	186	-	89	138	186
		4030	6220	8420	-	4030	6220	8420
		74.8	108	155	-	74.8	106	131
		3380	4900	7030	-	3380	4790	5990
10/1	150	62.3	113	152	318	62.3	113	152
		3630	6630	8940	19200	3630	6630	8940
		67.3	97.8	146	193	67.3	94.6	123
		3920	5750	8590	11600	3920	5600	7290
12.5/1	120	-	90.6	141	-	-	90.6	141
		-	6760	10700	-	-	6760	10700
		-	90.7	125	-	-	87.3	98
		-	6770	9490	-	-	6570	7490
15/1	100	55.5	79.4	146	242	55.5	79.6	146
		4800	6900	12800	21200	4800	6900	12800
		54.1	81.1	115	164	52.3	72.5	87.6
		4680	7040	10100	14300	4550	6350	7710
20/1	75	52.8	82.5	118	206	52.8	82.5	118
		6050	9490	13600	23700	6050	9490	13600
		45.5	67	100	131	40.8	55.1	72.3
		5190	7690	11500	15000	4700	6390	8400
25/1	60	43.5	65.9	93.1	152	43.5	65	93.4
		6070	9290	13100	21600	6070	9290	13100
		36.4	54.4	79.5	104	30.9	42.7	56.4
		5060	7760	11200	14600	4340	6170	8010
30/1	50	36.9	59.3	84.4	148	36.9	59.3	84.4
		6080	9890	14600	24700	6080	9890	14600
		31.6	49	69.3	96.6	26.1	36.8	47.2
		5180	8140	11900	16000	4330	6200	8230
35/1	42.9	-	47.1	-	-	-	47.1	-
		-	9250	-	-	-	9250	-
		-	42.8	-	-	-	30.6	-
		-	8390	-	-	-	6100	-
40/1	37.5	31.8	49.9	70	100	31.8	49.9	70
		6830	10900	15200	22000	6830	10900	15200
		24.6	3702	50	74.4	18.5	25.7	31.7
		5250	8060	10700	16200	4010	5660	6990
50/1	30	26.6	40.4	57.9	109	26.6	40.4	57
		6880	10600	15000	29100	6880	10600	15000
		20.9	31	41	64.5	14.5	19.6	24.1
		5350	8100	10700	16800	3770	5220	6420
60/1	25	22.5	34.4	52.6	69.6	22.5	34.4	52.6
		6750	10400	16300	27900	6450	10400	16300
		18.1	26	38.4	49.3	11.5	15	20.7
		5390	7740	11900	17200	3480	4560	6470
70/1	21.4	18.5	29.7	43.8	74.2	18.5	29.7	43.8
		6340	10400	15200	26200	6340	10400	15200
		17.2	25.4	32.4	47.3	9.92	13.2	15.5
		5850	8790	11100	16200	3440	4700	5450

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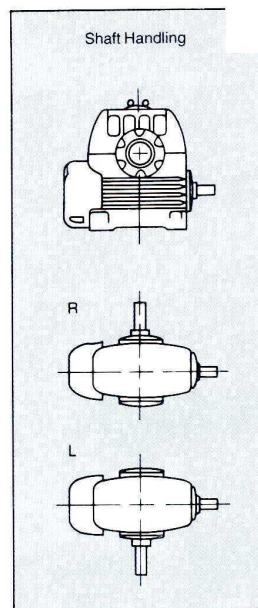
Sizes 1000 to 1700



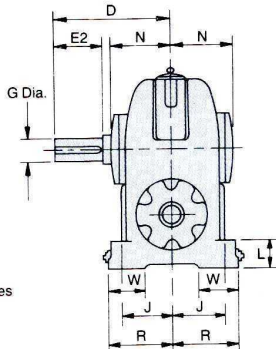
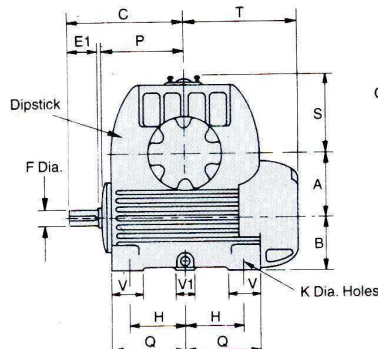
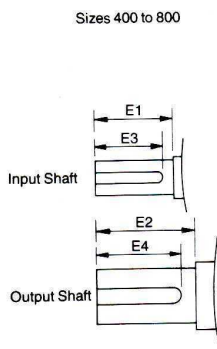
Input Shaft



Output Shaft



Sizes 400 to 800



Single reduction speed reducers



PREMIUM

Principal Dimensions (mm)

SIZE	A	B	C	D	E1	E2	E3	E4	F	G	H	J	K	L	N	P	Q	R	S	T	V	V1	W	Y1	Y2	Z1	Z2
400	101.6	108.0	229	216	67	89	54	83	31.750 31.735	44.450 44.435	108.0	101.6	20.6	44	121	159	140	127	137	222	64	—	76	7.976 7.925	11.176 11.125	34.47 34.24	47.73 47.50
500	127.0	114.3	260	248	73	102	73	95	38.100 38.085	50.800 50.782	123.8	111.1	20.6	54	133	184	164	137	159	254	70	—	83	9.576 9.525	12.751 12.700	40.72 40.49	53.98 53.75
600	152.4	127.0	279	273	76	114	73	114	38.100 38.085	57.150 57.135	133.4	120.7	23.8	64	140	200	179	149	184	270	76	—	89	9.576 9.525	15.926 15.875	40.72 40.49	61.75 61.52
700	177.8	146.1	318	298	86	127	83	114	44.450 44.435	63.500 63.482	152.4	133.4	23.8	70	151	229	208	162	210	305	89	—	98	11.176 11.125	15.926 15.875	47.73 47.50	68.10 67.87
800	203.2	146.1	343	311	89	140	83	127	44.450 44.435	69.850 69.832	171.5	133.4	27.0	76	159	251	230	171	235	327	102	—	102	11.176 11.125	19.101 19.050	47.73 47.50	75.03 74.80
1000	254.0	171.5	425	375	121	152	89	143	57.150 57.135	82.550 82.527	215.9	165.1	31.8	51	194	311	298	200	292	378	127	64	200	15.926 15.875	22.276 22.225	61.75 61.52	89.13 88.87
1200	304.8	190.5	495	413	124	171	89	162	63.500 63.482	95.250 95.227	260.4	184.2	34.9	57	216	368	356	222	343	441	152	76	222	15.926 15.875	25.476 25.400	68.10 67.87	103.20 102.95
1400	355.6	215.9	572	483	149	191	146	210	76.200 76.182	114.300 114.277	298.5	215.9	41.3	64	254	425	413	260	394	521	178	89	260	19.101 19.050	31.826 31.750	81.38 81.15	123.47 123.22
1700	431.8	254.0	699	546	181	203	152	222	82.550 82.527	139.700 139.675	381.0	254.0	41.3	76	305	514	502	298	489	629	191	127	298	22.276 22.225	38.202 38.100	89.13 88.90	150.04 149.73

Standard Nominal Ratios

400	5	7.5	10	12.5	15	20	25	30	—	40	50	60	70
500	5	7.5	10	—	15	20	25	30	35	40	50	60	70
600	5	7.5	10	—	15	20	25	30	35	40	50	60	70
700	5	7.5	10	—	15	20	25	30	35	40	50	60	70
800	5	7.5	10	—	15	20	25	30	—	40	50	60	70
1000	5	7.5	10	—	15	20	25	30	—	40	50	60	70
1200	5	7.5	10	12.5	15	20	25	30	35	40	50	60	70
1400	5	7.5	10	12.5	15	20	25	30	—	40	50	60	70
1700	—	—	10	—	15	20	25	30	—	40	50	60	70

Approximate Shipping Specification and Oil Capacities

Size	400	500	600	700	800	1000	1200	1400	1700
Net weight (kg)	68	95	125	172	218	350	540	864	1340
Gross weight (kg)	79	109	140	191	244	395	635	928	1440
Volume packed (cu. m.)	.08	.12	.15	.21	.27	.48	.76	1.1	1.7
Oil required at 1st filling (lit)	3.0	4.3	6.3	9.1	11.4	17.5	23.0	37.0	45

As improvements in design are continually being made, this specification is not regarded as binding in detail, and dimensions are subject to alteration without notice.