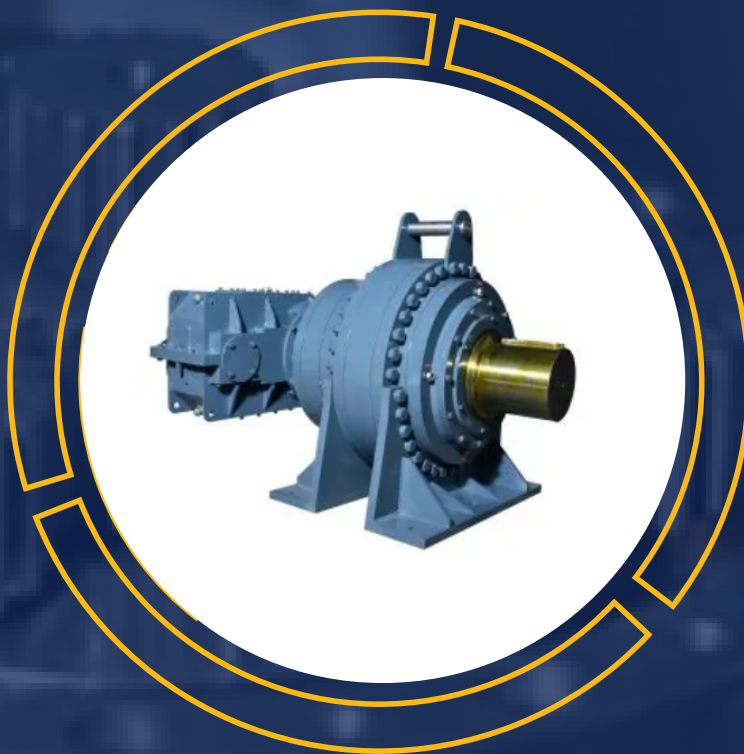


PRECISION GEAR TRANSMISSIONS

Transmissions with Precision



ISO 9001:2015 certified
Gearbox Company



DIN
Manufacturing Standards

Our Product Range

Planetary Gearboxes

Bevel Planetary Gearboxes

Pan Mixer Gearboxes

Sugar Crystallizer Drives

Planetary Agitator Drives

Nauta Mixer Drive



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Geared Motor



Reduction Ratio: 3.5: 1 to 3000: 1.
Torque Rating: 50 Nm to 35000 Nm.
Input Power: 0.18 kW to 15.0 kW
Frame Size: 63 FS to 160 FS
Output Type: Solid Shaft, Splined Shaft & Hollow Shaft

Foot Mounted Planetary Gearbox

Reduction Ratio: 3.5: 1 to 6000: 1.
Torque Rating: 50 Nm to 250000 Nm
Input Power: 0.18 kW to 75 kW.
Input Type: Hollow Input, Free Input
Output Type: Solid Shaft, Splined Shaft & Hollow



Flange Mounted Planetary Gearbox

Reduction Ratio: 3.5: 1 to 6000: 1
Torque Rating: 50 Nm to 250000 Nm
Input Power: 0.18 kW to 75 kW
Input Type: Hollow Input, Free Input
Output Type: Solid Shaft, Splined Shaft & Hollow



Sugar Mill Drive

Reduction Ratio: 130: 1 to 350: 1
Torque Rating: Up to 400000 Nm
Input Power: 25 kW to 350 kW
Input Type: Free Input With Helical
Output Type: Solid, Round/ Square.



INTRODUCTION

We introducing ourselves as a design ,manufacturer & Supplier of Planetary Gear Box. Gearmotor etc.

We make use of latest technology and employ the most mordern machinery to carry out production and other related processes perfectly in maufacturing of our gearboxes. we work as a team in undersanding the needs of the customers,keeping each others business interest intact so that we could deliver products at the right time and at most competitive rates.

We have an ISO 9001: 2015 Quality Management System certified by Tuv Nord.

We design **Custom Built & Special Gear boxes** as per customers requirement, Sprcifications & Applications.

FEATURES

- 1- Rigid in Construction
- 2- Higher Efficiencies
- 3- Low Noice Level
- 4-Compact in Size
- 5- Differantial output speed and torques
- 6- Geares made from best quality alloy steel
- 7-Long and troublefree performance
- 8- Compact size

SELECTION

$$\text{Reduction Ratio (i)} = \frac{\text{Input Speed (N1)}}{\text{Output Speed (N2)}}$$

Generated Torque Or Gear motor Delivered Torque T 1 (Nm)

This is net torque delivered to output shaft while prime mover (Motor)of capacity P(kw/Hp) coupled to gear box.

$$\text{Generated Torque T1 (Nm)} = \frac{(4500 \times \text{Hp} \times \text{Effi} \times 9.81)}{2 \times 3.142 \times \text{N2}}$$

Efficiency is taken in to consideration as	for 1 st stage= 96%	for 3rd stage= 88%
	for 2nd stage=92%	for 4th stage = 85%

Rated Torque Or Output Torque T2

This is the torque which gearbox can transmit safely.

* Considering (n2xh) value of service life

Rated Torque = Generated Torque x Service Factor

Service Factor S F

This factor depends on the application type. This factor takes into consideration (Approx) load variation which the gearbox may undergo for the specific type of duty.

Load Type			
Working	Uniform	Moderate	Heavy
Hrs./Day	Shock	Shock	Shock
8 hrs	1	1.25	2
16 hrs	1.5	1.75	2.25
24 hrs	1.75	2	2.5

Decide the life index (n2Xh) of Gearbox

Life index (n2xh)= Output speed X life required in hours

IF Output speed (n2)= 12 rpm, and Life required (h) = 20000 hours

Life index (n2xh)= 12 X 20000 =240000

EXAMPLE

Input power is 5 hp, Motor rpm is 1440 and required output speed is 12 rpm
gearbox working conditions is for 24 hrs with moderate shock load

$$\text{Generated Torque } T1 = \frac{4500 \times 5 \times 0.88 \times 9.81}{2 \times 3.142 \times 12}$$

$$T1 = 2577 \text{ Nm}$$

$$\text{Rated Torque of gearbox} = T1 \times SF = 2577 \times 2 = 5154 \text{ Nm}$$

As per Model Table Gearbox Model Selection is **3055-3**

Thermal Rating (kw)

Thermal rating is limiting value of maximum mechanical power that can be transmitted by the gearbox without overheating. (casing temperature not getting above 80 Degree C)

Lubrication

For the best performance of gearbox , maintain the Oil level.Subsequently, change the oil every 2000-3000 hrs. operation depending on application. Gearboxes are supplied without Oil. Recommended oil Grade is VG 220 or 320.

Radial & Axial Load

Permissible radial and axial load carrying capacity of the gearbox is based on the nominal bearing life chosen. When a sprocket, gear or pulley is mounted on input or output side of the shaft, radial load (overhung load) will act on shaft and consequently on the bearings.

Calculate overhung load as

$$\text{OHL (N)} = \frac{9,500,000 \times K \times Kw}{(N1/N2) \times R}$$

K Factor

K_w power transmitted by the shaft

N_1 Input Speed

N_2 output speed

R Pitch radius of the sprocket, gear etc (mm)

Load connecting factor (K)	
Driving System	K
Sprocket	1
Gear	1.25
Pulley	1.5

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3005

MODEL	O/P SHAFT DIA.	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3005-1	19 MM	3.50	411.4		122	115	111	104	89	0.25-0.5 HP 63-71	0.37
		4.00	360.0		138	131	126	118	101		
		4.75	303.2	50 Nm	122	115	111	104	89		
		3.86	373.0	To	104	98	94	89	75		
		4.33	332.6	150 Nm	95	90	87	82	69		
		5.00	288.0		88	84	80	76	64		
		6.00	240.0		67	64	61	58	49		
3005-2	19 MM	12.25	117.6		122	115	111	104	89	63-71	0.37
		13.51	106.6		122	115	111	104	89		
		15.16	95.0		122	115	111	104	89		
		15.44	93.3	50 Nm	138	131	126	118	101		
		17.50	82.3	To	122	115	111	104	89		
		20.00	72.0	150 Nm	138	131	126	118	101		
		21.00	68.6		122	115	111	104	89		
		23.75	60.6		143	135	130	122	104		
		24.00	60.0		138	131	126	118	101		
		28.50	50.5		143	135	130	122	104		
3005-3	19 MM	42.88	33.6		122	115	111	104	89	63-71	0.37
		47.29	30.5		122	115	111	104	89		
		53.04	27.1		122	115	111	104	89		
		58.50	24.6	50 Nm	122	115	111	104	89		
		65.62	21.9	To	122	115	111	104	89		
		73.50	19.6	150 Nm	122	115	111	104	89		
		81.06	17.8		143	135	130	122	104		
		86.60	16.6		138	131	126	118	101		
		90.93	16.6		143	135	130	122	104		
3005-4	19 MM	105.00	14.4		122	115	111	104	89	63-71	0.37
		120.00	13.7		138	131	126	118	101		
		144.00	10.0		138	131	126	118	101		
		150.06	9.6		122	115	111	104	89		
		165.50	8.7		122	115	111	104	89		
		182.52	7.9	50 Nm	122	115	111	104	89		
		201.29	7.2	To	122	115	111	104	89		
		225.80	6.4	150 Nm	122	115	111	104	89		
		253.30	5.7		122	115	111	104	89		
		284.14	5.1		122	115	111	104	89		
		324.73	4.4		138	131	126	118	101		
		374.98	3.8		138	131	126	118	101		
		437.50	3.3		122	115	111	104	89		
		449.97	3.2		138	131	126	118	101		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3010

MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3010-1	24 MM	3.50	411.4		227	215	207	194	165	0.5- 1 HP 71-80	1.1
		4.00	360.0		251	238	229	215	183		
		4.75	303.2	100 Nm	246	234	225	211	180		
		3.86	373.0	To	200	190	183	172	146		
		4.33	332.6	250 Nm	189	180	172	162	138		
		5.00	288.0		172	164	157	148	125		
		6.00	240.0		129	122	117	110	94		
3010-2	24 MM	12.25	117.6		227	215	207	194	165	71-80	0.75
		13.51	106.6		227	215	207	194	165		
		15.44	93.3	100 Nm	227	215	207	194	165		
		17.50	82.3	To	227	215	207	194	165		
		20.00	72.0	250 Nm	251	238	229	215	183		
		21.00	68.6		227	215	207	194	165		
		24.00	60.0		251	238	229	215	183		
		28.50	50.5		246	234	225	211	180		
		30.00	48.0		246	234	225	211	180		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3010											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3010-3	24 MM	42.88	33.6		227	215	207	194	165	71-80	0.75
		47.29	30.5		227	215	207	194	165		
		53.04	27.1		227	215	207	194	165		
		58.50	24.6		227	215	207	194	165		
		65.62	21.9	100 Nm	227	215	207	194	165		
		75.00	19.2	To	251	238	229	215	183		
		81.06	17.8	250 Nm	246	234	225	211	180		
		86.60	16.6		251	238	229	215	183		
		90.93	15.8		246	234	225	211	180		
		100.00	14.4		251	238	229	215	183		
		105.00	13.7		227	215	207	194	165		
		120.00	12.0		251	238	229	215	183		
		144.00	10.0		251	238	229	215	183		
		171.00	8.4		246	234	225	211	180		
		182.52	7.9		227	215	207	194	165		
3010-4	24 MM	201.29	7.2		227	215	207	194	165	63-71	0.37
		225.80	6.4		227	215	207	194	165		
		253.30	5.7		227	215	207	194	165		
		284.14	5.1	100 Nm	227	215	207	194	165		
		324.73	4.4	To	251	238	229	215	183		
		374.98	3.8	250 Nm	251	238	229	215	183		
		437.50	3.3		227	215	207	194	165		
		500.00	2.9		227	215	207	194	165		
		600.00	2.4		227	215	207	194	165		
		712.50	2.0		246	234	225	211	180		
		855.00	1.7		246	234	225	211	180		
		1026.00	1.4		246	234	225	211	180		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3020											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3020-1	28 MM	3.52	409		477	454	435	409	348	80-100 1 HP-3 HP	2.2
		4.00	360		524	497	478	449	382		
		4.71	306	200 Nm	507	481	462	434	369		
		3.63	396.7	To	430	408	392	368	313		
		4.50	320.0	450 Nm	396	376	361	340	289		
		5.20	276.9		336	319	306	288	245		
		6.25	230.4		249	237	227	214	182		
3020-2	28 MM	12.78	113		477	454	435	409	348	63-90 0.25 HP-2 HP	1.5
		14.08	102		477	454	435	409	348		
		16.00	90		524	497	478	449	382		
		18.00	80	200 Nm	524	497	478	449	382		
		20.00	72	To	524	497	478	449	382		
		22.00	65	450 Nm	477	454	435	409	348		
		25.00	58		524	497	478	449	382		
		28.26	51		507	481	462	434	369		
		29.67	49		507	481	462	434	369		
3020-3	28 MM	32.50	44		507	481	462	434	369	63-80 0.25 HP-1 HP	0.75
		46.38	31		477	454	435	409	348		
		57.50	25		477	454	435	409	348		
		64.00	23		524	497	478	449	382		
		75.00	19		524	497	478	449	382		
		86.60	17	200 Nm	524	497	478	449	382		
		96.00	15	To	524	497	478	449	382		
		108.00	13	450 Nm	524	497	478	449	382		
		120.00	12		524	497	478	449	382		
		127.36	11		507	481	462	434	369		
		144.00	10		524	497	478	449	382		
		153.08	9		507	481	462	434	369		
		176.63	8		507	481	462	434	369		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3020											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3020-4	28 MM	227.09	6		477	454	435	409	348	63-71 0.25 HP-1 HP	0.75
		304.83	5		477	454	435	409	348		
		383.33	4		477	454	435	409	348		
		415.68	3	200 Nm	524	497	478	449	382		
		449.97	3	To	524	497	478	449	382		
		500.00	3	450 Nm	524	497	478	449	382		
		528.00	3		477	454	435	409	348		
		588.75	2		507	481	462	434	369		
		658.94	2		477	454	435	409	348		
		720.00	2		524	497	478	449	382		
		847.80	2		507	481	462	434	369		
		881.71	2		507	481	462	434	369		
		1017.36	1		507	481	462	434	369		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3030											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3030-1	38 MM	3.52	409		784	745	715	672	571	80-112 1HP-5HP	3.7
		4.00	360		946	899	863	811	690		
		4.71	306	300 Nm	858	815	783	736	625		
		3.63	397	To	767	737	693	589	530		
		4.50	320	900 Nm	694	666	627	533	479		
		5.20	277		505	485	456	388	349		
		6.25	230		399	383	360	306	275		
3030-2	38 MM	12.78	112.67		784	745	715	672	571	80-100 1HP-3HP	2.2
		14.08	102.27		784	745	715	672	571		
		16.00	90.00		946	899	863	811	690		
		18.00	80.00	300 Nm	946	899	863	811	690		
		20.00	72.00	To	946	899	863	811	690		
		22.00	65.45	900 Nm	784	745	715	672	571		
		23.55	61.14		858	815	783	736	625		
		25.00	57.60		946	899	863	811	690		
		28.26	50.95		858	815	783	736	625		
		29.67	48.53		858	815	783	736	625		
		32.50	44.00		858	815	783	736	625		
3030-3	38 MM	46.38	31.04		784	745	715	672	571	63-90 0.25 Hp- 2HP	1.5
		57.50	25.04		784	745	715	672	571		
		64.00	22.50		946	899	863	811	690		
		75.00	19.20		946	899	863	811	690		
		86.60	16.62		946	899	863	811	690		
		96.00	15.00	300 Nm	946	899	863	811	690		
		108.00	13.33	To	946	899	863	811	690		
		120.00	12.00	900 Nm	946	899	863	811	690		
		127.36	11.30		858	815	783	736	625		
		137.50	10.47		784	745	715	672	571		
		144.00	10.00		946	899	863	811	690		
		153.08	9.40		858	815	783	736	625		
		169.56	8.49		858	815	783	736	625		
		176.63	8.18		858	815	783	736	625		
3030-4	38 MM	183.98	7.8		858	815	783	736	625	63-80 0.25HP- 1 HP	0.75
		190.40	7.56		784	745	715	672	571		
		227.09	6.34		784	745	715	672	571		
		262.23	5.49		784	745	715	672	571		
		304.83	4.72		784	745	715	672	571		
		346.40	4.15		946	899	863	811	690		
		383.33	3.75	300 Nm	784	745	715	672	571		
		415.68	3.46	To	946	899	863	811	690		
		449.97	2.88	900 Nm	946	899	863	811	690		
		528.00	2.72		784	745	715	672	571		
		540.00	2.66		946	899	863	811	690		
		588.75	2.44		858	815	783	736	625		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3030											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3030-4	38 MM	612.30	2.35		858	815	783	736	625	63-80 0.25HP-1HP	0.75
		658.94	2.18		784	745	715	672	571		
		720.00	2		946	899	863	811	690		
		760.32	1.89		784	745	715	672	571		
		847.80	1.69		858	815	783	736	625		
		1017.36	1.41		858	815	783	736	625		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3040											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	TETED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3040-1	50 MM	3.68	391.3		1834	1742	1673	1572	1336	100-132 3 HP-7.5 HP	5.5
		4.19	343.7		2023	1922	1845	1734	1474		
		4.94	291.5		1445	1373	1318	1239	1053		
		3.58	402.2	500 Nm	1544	1467	1408	1324	1125		
		3.91	368.3	To	1453	1381	1325	1246	1059		
		4.35	331.0	1800 Nm	1456	1383	1328	1248	1061		
		4.94	291.5		1124	1068	1025	964	819		
		5.79	248.7		868	825	792	744	633		
3040-2	50 MM	7.09	203.1		560	532	511	480	408	90-112 2 HP-5 HP	3.7
		14.39	100.1		1834	1742	1673	1572	1336		
		16.56	87.0		1834	1742	1673	1572	1336		
		19.14	75.2		1834	1742	1673	1572	1336		
		21.79	66		1834	1742	1673	1572	1336		
		23.00	62.6	500 Nm	1834	1742	1673	1572	1336		
		24.26	59	To	1834	1742	1673	1572	1336		
		26.19	55	1800 Nm	1834	1742	1673	1572	1336		
3040-3	50 MM	28.60	50		1445	1373	1318	1239	1053	71-100 0.5 HP-3 HP	2.2
		30.88	46.6		1445	1373	1318	1239	1053		
		35.02	41.1		1124	1068	1025	964	819		
		41.05	35.1		868	825	792	744	633		
		56.26	25.6		1834	1742	1673	1572	1336		
		72.04	20.0		1834	1742	1673	1572	1336		
		86.11	16.7		1834	1742	1673	1572	1336		
		94.28	15.3		2023	1922	1845	1734	1474		
3040-4	50 MM	105.26	13.7		1834	1742	1673	1572	1336	63-90 0.25 HP-2 HP	1.5
		117.84	12.2	500 Nm	2023	1922	1845	1734	1474		
		128.44	11.2	To	1445	1373	1318	1239	1053		
		136.18	10.6	1800 Nm	2023	1922	1845	1734	1474		
		151.07	9.5		1834	1742	1673	1572	1336		
		163.67	8.8		2023	1922	1845	1734	1474		
		178.77	8.1		1445	1373	1318	1239	1053		
		202.79	7.1		1445	1373	1318	1239	1053		
3040-4	50 MM	248.32	5.8		1445	1373	1318	1239	1053	63-90 0.25 HP-2 HP	1.5
		230.22	6.3		1834	1742	1673	1572	1336		
		294.40	4.9		1834	1742	1673	1572	1336		
		369.09	3.9		2023	1922	1845	1734	1474		
		426.50	3.4		2023	1922	1845	1734	1474		
		490.23	2.9		2023	1922	1845	1734	1474		
		529.92	2.7	500 Nm	1834	1742	1673	1572	1336		
		565.65	2.5	To	2023	1922	1845	1734	1474		
3040-4	50 MM	625.31	2.3	1800 Nm	1834	1742	1673	1572	1336	63-90 0.25 HP-2 HP	1.5
		711.97	2.0		2023	1922	1845	1734	1474		
		817.05	1.8		2023	1922	1845	1734	1474		
		924.77	1.6		1445	1373	1318	1239	1053		
		1157.81	1.2		1445	1373	1318	1239	1053		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3045											
MODEL	O/P/ SHAFT DIA	RATIO	OUTPUT SPEED	RETED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3045-1	55 MM	3.43	419.8		2292	2177	2090	1965	1670	112-132 5 HP- 7.5 HP	5.5
		3.83	376.0		2740	2603	2499	2349	1996		
		4.40	327.3		2614	2483	2384	2241	1905		
		5.25	327.3	600 Nm	1888	1810	1769	1630	1466		
		3.72	387	To	2416	2296	2204	2072	1761		
		4.09	352	2600 Nm	2202	2092	2008	1888	1605		
		4.58	314		1956	1858	1784	1677	1425		
		6.23	231		1042	990	950	893	759		
3045-2	55 MM	7.80	185		724	688	660	620	527	100-132 3 HP- 7.5 HP	5.5
		12.28	117.3		2292	2177	2090	1965	1670		
		14.92	96.5		2292	2177	2090	1965	1670		
		17.54	82.1		2740	2603	2499	2349	1996		
		20.11	71.6	600 Nm	2740	2603	2499	2349	1996		
		22.18	64.9	To	2740	2603	2499	2349	1996		
		27.56	52.2	2600 Nm	2292	2177	2090	1965	1670		
		32.70	44.0		1888	1810	1769	1630	1466		
3045-3	55 MM	34.32	42.0		1888	1810	1769	1630	1466	90-112 2 HP-5 HP	3.7
		38.81	37.0		1042	990	950	893	759		
		52.44	27.5		2292	2177	2090	1965	1670		
		64.90	22.2		2292	2177	2090	1965	1670		
		73.71	19.5		2292	2177	2090	1965	1670		
		86.63	16.6		2292	2177	2090	1965	1670		
		95.09	15.1		2740	2603	2499	2349	1996		
		105.79	13.6	600 Nm	2740	2603	2499	2349	1996		
		114.99	12.5	To	2740	2603	2499	2349	1996		
		125.85	11.4	2600 Nm	2740	2603	2499	2349	1996		
		134.14	10.7		2614	2483	2384	2241	1905		
		147.51	9.8		2614	2483	2384	2241	1905		
3045-4	55 MM	159.23	9.0		2614	2483	2384	2241	1905	63- 90 0.25 HP-2 HP	1.5
		172.42	8.4		2614	2483	2384	2241	1905		
		192.53	7.5		2614	2483	2384	2241	1905		
		221.18	6.5		2614	2483	2384	2241	1905		
		214.58	6.7		2740	2603	2499	2349	1996		
		248.66	5.79		2740	2603	2499	2349	1996		
		287.34	5		2740	2603	2499	2349	1996		
		332.02	4.33		2740	2603	2499	2349	1996		
		419.64	3.43	600 Nm	2740	2603	2499	2349	1996		
		484.92	2.96	To	2740	2603	2499	2349	1996		
		516.78	2.78	2600 Nm	2614	2483	2384	2241	1905		
		590.31	2.43		2614	2483	2384	2241	1905		
		650.80	2.21		2614	2483	2384	2241	1905		
		706.42	2.03		2614	2483	2384	2241	1905		
		739.07	1.94		2614	2483	2384	2241	1905		
		775.77	1.85		2614	2483	2384	2241	1905		
		849.06	1.69		2614	2483	2384	2241	1905		
		866.24	1.66		2614	2483	2384	2241	1905		
		995.16	1.44		2614	2483	2384	2241	1905		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3050											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RETED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3050-1	60 MM	3.68	391.3		4032	3830	3677	3457	2938	132-160 7.5 HP- 12.5 HP	9.3
		4.19	343.7		4280	4066	3903	3669	3119		
		4.94	291.5		3119	2963	2845	2674	2273		
		3.58	402.2	900 Nm	3388	3219	3090	2904	2469		
		3.91	368.3	To	3560	3382	3247	3052	2594		
		4.35	331.0	3800 Nm	3109	2954	2836	2666	2266		
		5.79	248.7		1854	1761	1690	1589	1351		
		7.09	203.1		1086	1032	991	931	792		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3050											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RETED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3050-2	60 MM	14.39	100.1		4032	3830	3677	3457	2938	100-160 3 HP-12.5 HP	9.3
		16.56	87.0		4032	3830	3677	3457	2938		
		18.22	79.0		4280	4066	3903	3669	3119		
		19.14	75.2	900 Nm	4032	3830	3677	3457	2938		
		21.79	66.1	To	4280	4066	3903	3669	3119		
		23.00	62.6	3800 Nm	4032	3830	3677	3457	2938		
		24.40	59.0		4280	4066	3903	3669	3119		
		26.19	55.0		4280	4066	3903	3669	3119		
		28.60	50.3		3119	2963	2845	2674	2273		
		30.88	46.6		3119	2963	2845	2674	2273		
		35.02	41.1		3119	2963	2845	2674	2273		
3050-3	60 MM	56.26	25.6		4032	3830	3677	3457	2938	90-132 2 HP- 7.5HP	5.5
		72.04	20.0		4032	3830	3677	3457	2938		
		86.11	16.7		4032	3830	3677	3457	2938		
		94.28	15.3		4280	4066	3903	3669	3119		
		100.05	14.4	900 Nm	4032	3830	3677	3457	2938		
		105.26	13.7	To	4032	3830	3677	3457	2938		
		117.84	12.2	3800 Nm	4280	4066	3903	3669	3119		
		128.44	11.2		3119	2963	2845	2674	2273		
		136.18	10.6		4280	4066	3903	3669	3119		
		141.30	10.2		3119	2963	2845	2674	2273		
		151.07	9.5		4032	3830	3677	3457	2938		
		163.67	8.8		4280	4066	3903	3669	3119		
		178.77	8.1		3119	2963	2845	2674	2273		
3050-4	60 MM	202.79	7.1		3119	2963	2845	2674	2273	71-100 1HP-3HP	2.2
		230.22	6.3		4032	3830	3677	3457	2938		
		248.32	5.8		3119	2963	2845	2674	2273		
		294.40	4.9		4032	3830	3677	3457	2938		
		369.09	3.9		4280	4066	3903	3669	3119		
		426.50	3.4	900 Nm	4280	4066	3903	3669	3119		
		490.23	2.9	To	4280	4066	3903	3669	3119		
		529.92	2.7	3800 Nm	4032	3830	3677	3457	2938		
		565.65	2.5		4280	4066	3903	3669	3119		
		592.36	2.4		4280	4066	3903	3669	3119		
		678.78	2.1		4280	4066	3903	3669	3119		
		711.97	2.0		4280	4066	3903	3669	3119		
		784.37	1.8		4280	4066	3903	3669	3119		
		832.31	1.7		4032	3830	3677	3457	2938		
		924.77	1.6		3119	2963	2845	2674	2273		
		982.03	1.5		4280	4066	3903	3669	3119		
		1157.81	1.2		3119	2963	2845	2674	2273		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3055											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3055-1	70 MM	3.43	419.8		4774	4535	4354	4093	3479	132-160 10 HP- 15 HP	11.0
		3.83	376.0		5516	5240	5031	4729	4019		
		4.40	327.3		5393	5123	4918	4623	3930		
		5.25	274.3		3850	3688	3544	3476	3322		
		3.72	387	1000 Nm	4836	4594	4410	4145	3524		
		4.09	352	To	4558	4330	4157	3908	3322		
		4.58	314	5200 Nm	3912	3716	3567	3353	2850		
		6.23	231		2198	2088	2005	1884	1602		
		7.80	185		1303	1238	1189	1117	950		
3055-2	70 MM	12.28	117.3		4836	4594	4410	4145	3524	112-160 5HP- 15HP	11.0
		14.92	96.5		4836	4594	4410	4145	3524		
		17.54	82.1		4558	4330	4157	3908	3322		
		20.11	71.6		4558	4330	4157	3908	3322		
		22.18	64.9	1000 Nm	4558	4330	4157	3908	3322		
		24.32	59.2	To	4836	4594	4410	4145	3524		
		27.56	52.2	5200 Nm	4836	4594	4410	4145	3524		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3055											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3055-2	70 MM	30.39	47.4		4558	4330	4157	3908	3322	5HP-15HP	11.0
		32.70	44.0		3912	3716	3567	3353	2850		
		34.32	42.0		3912	3716	3567	3353	2850		
		37.22	38.68		3912	3318	3185	2994	2545		
		52.44	27.45		4836	4594	4410	4145	3524		
3055-3	70 MM	64.90	22.18		4836	4594	4410	4145	3524	90-132 2HP-10HP	7.5
		73.71	19.53		4836	4594	4410	4145	3524		
		86.63	16.62		4558	4330	4157	3908	3322		
		95.09	15.14	1000 Nm	4836	4594	4410	4145	3524		
		105.79	13.61	To	4836	4594	4410	4145	3524		
		114.99	12.52	5200 Nm	4836	4594	4410	4145	3524		
		125.85	11.44		3912	3716	3567	3353	2850		
		134.14	10.73		4558	4330	4157	3908	3322		
		147.51	9.76		3912	3716	3567	3353	2850		
		159.23	9.0		3912	3716	3567	3353	2850		
		172.42	8.35		4836	4594	4410	4145	3524		
		180.62	7.97		3912	3716	3567	3353	2850		
		192.53	7.47		4558	4330	4157	3908	3322		
		221.18	6.51		3912	3716	3567	3353	2850		
		248.66	5.79		4836	4594	4410	4145	3524		
3055-4	70 MM	287.34	5		4836	4594	4410	4145	3524	80-112 1HP- 5HP	3.7
		332.02	4.33		4836	4594	4410	4145	3524		
		374.86	3.84		4558	4330	4157	3908	3322		
		419.64	3.43	1000 Nm	4836	4594	4410	4145	3524		
		465.52	3.09	To	4836	4594	4410	4145	3524		
		516.78	2.78	5200 Nm	3912	3716	3567	3353	2850		
		550.69	2.61		4836	4594	4410	4145	3524		
		590.31	2.43		4558	4330	4157	3908	3322		
		622.05	2.31		3912	3716	3567	3353	2850		
		678.16	2.12		3912	3716	3567	3353	2850		
		706.42	2.03		3912	3716	3567	3353	2850		
		775.77	1.85		4836	4594	4410	4145	3524		
		849.06	1.69		3912	3716	3567	3353	2850		
		995.16	1.44		3912	3716	3567	3353	2850		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3060											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3060-1	80 MM	3.69	390.2		8569	8141	7815	7346	6244	160-180 15 HP-25 HP	18.5
		4.18	344.5		8736	8299	7967	7489	6366		
		4.89	294.5	1900 Nm	6672	6339	6085	5720	4862		
		4.04	356.4	To	7227	6865	6591	6195	5266		
		4.50	320.0	8200 Nm	6058	5755	5525	5193	4414		
		5.12	281.3		4988	4739	4549	4276	3635		
		6.00	240.0		3566	3388	3252	3057	2598		
		7.36	195.7		2257	2144	2058	1935	1645		
3060-2	80 MM	13.62	105.7		8569	8141	7815	7346	6244	132-180 7.5HP- 25HP	18.5
		16.05	89.7		8569	8141	7815	7346	6244		
		18.81	76.6		8736	8299	7967	7489	6366		
		21.40	67.3	1900 Nm	8736	8299	7967	7489	6366		
		24.20	59.5	To	8736	8299	7967	7489	6366		
		27.16	53.0	8200 Nm	8569	8141	7815	7346	6244		
		28.31	50.9		6672	6339	6085	5720	4862		
		30.76	46.8		8736	8299	7967	7489	6366		
		34.67	41.5		6672	6339	6085	5720	4862		
		35.99	40.0		6672	6339	6085	5720	4862		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3060											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3060-3	80 MM	55.01	26.17		8569	8141	7815	7346	6244	100-160 3HP-15HP	11.0
		69.71	20.65		8569	8141	7815	7346	6244		
		79.10	18.2		8736	8299	7967	7489	6366		
		94.79	15.2		8569	8141	7815	7346	6244		
		107.38	13.4	1900 Nm	8736	8299	7967	7489	6366		
		119.56	12.0	To	8736	8299	7967	7489	6366		
		132.23	10.9	8200 Nm	6672	6339	6085	5720	4862		
		146.40	9.83		8736	8299	7967	7489	6366		
		162.95	8.8		8569	8141	7815	7346	6244		
		177.82	8.1		8736	8299	7967	7489	6366		
		191.02	7.5		6672	6339	6085	5720	4862		
		200.74	7.2		6672	6339	6085	5720	4862		
		208.02	6.9		6672	6339	6085	5720	4862		
3060-4	80 MM	215.94	6.7		8569	8141	7815	7346	6244	90-132 2HP-7.5HP	5.5
		231.59	6.2		8569	8141	7815	7346	6244		
		245.81	5.9		8569	8141	7815	7346	6244		
		300.10	4.8		8569	8141	7815	7346	6244		
		375.13	3.8		8569	8141	7815	7346	6244		
		426.40	3.4		8569	8141	7815	7346	6244		
		500.81	2.9	1900 Nm	8569	8141	7815	7346	6244		
		567.31	2.5	To	8736	8299	7967	7489	6366		
		682.82	2.1	8200 Nm	8736	8299	7967	7489	6366		
		717.47	2.0		8736	8299	7967	7489	6366		
		774.35	1.85		8736	8299	7967	7489	6366		
		907.58	1.6		8736	8299	7967	7489	6366		
		945.40	1.5		8736	8299	7967	7489	6366		
		1027.79	1.4		6672	6339	6085	5720	4862		
		1105.98	1.3		6672	6339	6085	5720	4862		
		1260.72	1.1		8736	8299	7967	7489	6366		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3065											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3065-1	90 MM	3.69	390.2		11827	11236	10786	10139	8618	180-200 25 HP-40 HP	30.0
		4.18	344.5		11746	11158	10712	10069	8559		
		4.89	294.5	2400 Nm	9251	8789	8437	7931	7170		
		4.04	356.4	To	9714	9228	8859	8327	7078		
		4.50	320.0	11000 Nm	7940	7542	7241	6806	5785		
		5.12	281.3		6652	6319	6066	5702	4847		
		6.00	240.0		4849	4606	4422	4157	3533		
		7.36	195.7		3193	3034	2912	2738	2327		
3065-2	90 MM	13.62	105.7		11827	11236	10786	10139	8618	160-200 15HP-40HP	30.0
		16.05	89.7		11827	11236	10786	10139	8618		
		18.81	76.6		11746	11158	10712	10069	8559		
		21.40	67.3	2400 Nm	11746	11158	10712	10069	8559		
		24.20	59.5	To	11746	11158	10712	10069	8559		
		27.16	53.0	11000 Nm	11827	11236	10786	10139	8618		
		28.31	50.9		9251	8789	8437	7931	7170		
		30.76	46.8		11746	11158	10712	10069	8559		
		34.67	41.5		9251	8789	8437	7931	7170		
		35.99	40.0		9251	8789	8437	7931	7170		
3065-3	90MM	55.01	26.17		11827	11236	10786	10139	8618	112-160 5HP-15HP	11.0
		69.71	20.65		11827	11236	10786	10139	8618		
		79.10	18.2		11746	11158	10712	10069	8559		
		94.79	15.2		11827	11236	10786	10139	8618		
		107.38	13.4	2400 Nm	11746	11158	10712	10069	8559		
		119.56	12.0	To	11746	11158	10712	10069	8559		
		132.23	10.9	11000 Nm	9251	8789	8437	7931	7170		
		146.40	9.83		11746	11158	10712	10069	8559		
		162.95	8.8		11827	11236	10786	10139	8618		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3065											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
		177.82	8.1		11746	11158	10712	10069	8559		
		191.02	7.5		9251	8789	8437	7931	7170		
		200.74	7.2		9251	8789	8437	7931	7170		
		208.02	6.9		9251	8789	8437	7931	7170		
3065-4	90 MM	215.94	6.7		11827	11236	10786	10139	8618	90-132 2HP-10HP	7.5
		231.59	6.2		11827	11236	10786	10139	8618		
		245.81	5.9		11827	11236	10786	10139	8618		
		300.10	4.8		11827	11236	10786	10139	8618		
		375.13	3.8		11827	11236	10786	10139	8618		
		426.40	3.4		11827	11236	10786	10139	8618		
		500.81	2.9	2400 Nm	11827	11236	10786	10139	8618		
		567.31	2.5	To	11746	11158	10712	10069	8559		
		682.82	2.1	11000 Nm	11746	11158	10712	10069	8559		
		717.47	2.0		11746	11158	10712	10069	8559		
		774.35	1.85		11746	11158	10712	10069	8559		
		907.58	1.6		11746	11158	10712	10069	8559		
		945.40	1.5		11746	11158	10712	10069	8559		
		1027.79	1.4		9251	8789	8437	7931	7170		
		1105.98	1.3		9251	8789	8437	7931	7170		
		1260.72	1.1		11827	11236	10786	10139	8618		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3070											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3070-1	95 MM	3.69	390.0		15085	14331	13758	12932	10992	200-225 40HP-50HP	37.0
		4.18	344.4		14756	14018	13457	12650	10753		
		4.89	294.5		11830	11239	10789	10142	8620		
		4.04	356.0	3800 Nm	12201	11591	11127	10460	8891		
		4.50	320.0	To	9821	9330	8957	8419	7156		
		5.12	281.0	14000 Nm	8316	7900	7584	7129	6060		
		6.00	240.0		6132	5825	5592	5257	4468		
		7.36	195.7		4130	3924	3767	3541	3009		
3070-2	95 MM	13.62	105.7		15085	14331	13758	12932	10992	160-225 15HP-50HP	37.0
		16.05	89.7		15085	14331	13758	12932	10992		
		18.81	76.6		14756	14018	13457	12650	10753		
		21.40	67.3	3800 Nm	14756	14018	13457	12650	10753		
		24.20	59.5	To	14756	14018	13457	12650	10753		
		27.16	53.0	14000 Nm	15085	14331	13758	12932	10992		
		28.31	50.9		11830	11239	10789	10142	8620		
		30.76	46.8		14756	14018	13457	12650	10753		
		34.67	41.5		11830	11239	10789	10142	8620		
		35.99	40.0		11830	11239	10789	10142	8620		
3070-3	95 MM	55.01	26.17		15085	14331	13758	12932	10992	112-160 5HP-15HP	11.0
		69.71	20.65		15085	14331	13758	12932	10992		
		79.10	18.2		14756	14018	13457	12650	10753		
		94.79	15.2		15085	14331	13758	12932	10992		
		107.38	13.4		14756	14018	13457	12650	10753		
		119.56	12.0	3800 Nm	14756	14018	13457	12650	10753		
		132.23	10.9	To	11830	11239	10789	10142	8620		
		146.40	9.83	14000 Nm	14756	14018	13457	12650	10753		
		162.95	8.8		15085	14331	13758	12932	10992		
		177.82	8.1		14756	14018	13457	12650	10753		
		191.02	7.5		11830	11239	10789	10142	8620		
		200.74	7.2		11830	11239	10789	10142	8620		
		208.02	6.9		11830	11239	10789	10142	8620		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3070											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3070-4	95 MM	215.94	6.7		11830	11239	10789	10142	8620	100-132 3HP-10HP	7.5
		231.59	6.2		15085	14331	13758	12932	10992		
		245.81	5.9		11830	11239	10789	10142	8620		
		300.10	4.8		15085	14331	13758	12932	10992		
		375.13	3.8		15085	14331	13758	12932	10992		
		426.40	3.4		15085	14331	13758	12932	10992		
		500.81	2.9	3800 Nm	15085	14331	13758	12932	10992		
		567.31	2.5	To	14756	14018	13457	12650	10753		
		682.82	2.1	14000 Nm	14756	14018	13457	12650	10753		
		717.47	2.0		14756	14018	13457	12650	10753		
		774.35	1.85		14756	14018	13457	12650	10753		
		907.58	1.6		14756	14018	13457	12650	10753		
		945.40	1.5		14756	14018	13457	12650	10753		
		1027.79	1.4		11830	11239	10789	10142	8620		
		1105.98	1.3		11830	11239	10789	10142	8620		
		1260.72	1.1		14756	14018	13457	12650	10753		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3080											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3080-1	110 MM	3.69	390.2		23996	22796	21884	20571	17486	225-250 60HP- 75HP	55.0
		4.18	344.5		22540	21413	20556	19323	16425		
		4.89	294.5	5400 Nm	17444	16572	15909	14954	12711		
		4.04	256.4	To	18396	17476	16777	15771	13405		
		4.50	320.0	22000 Nm	15457	14685	14097	13251	11264		
		5.12	281.2		12592	11962	11484	10795	9175		
		6.00	240.0		8912	8467	8128	7640	6494		
		7.36	195.7		5811	5521	5300	4982	4235		
3080-2	110 MM	13.62	105.7		23996	22796	21884	20571	17486	180-250 30HP-75HP	55.0
		16.05	89.7		23996	22796	21884	20571	17486		
		18.81	76.6		22540	21413	20556	19323	16425		
		21.40	67.3	5400 Nm	22540	21413	20556	19323	16425		
		24.20	59.5	To	22540	21413	20556	19323	16425		
		27.16	53.0	22000 Nm	23996	22796	21884	20571	17486		
		28.31	50.9		17444	16572	15909	14954	12711		
		30.76	46.8		22540	21413	20556	19323	16425		
		34.67	41.5		17444	16572	15909	14954	12711		
		35.99	40.0		17444	16572	15909	14954	12711		
3080-3	110 MM	55.01	26.17		23996	22796	21884	20571	17486	132-180 10HP-30HP	22.0
		69.71	20.65		22540	21413	20556	19323	16425		
		79.10	18.2		22540	21413	20556	19323	16425		
		94.79	15.2		23996	22796	21884	20571	17486		
		107.38	13.4		23996	22796	21884	20571	17486		
		119.56	12.0	5400 Nm	22540	21413	20556	19323	16425		
		132.23	10.9	To	17444	16572	15909	14954	12711		
		146.40	9.83	22000 Nm	22540	21413	20556	19323	16425		
		162.95	8.8		23996	22796	21884	20571	17486		
		177.82	8.1		22540	21413	20556	19323	16425		
		191.02	7.5		17444	16572	15909	14954	12711		
		200.74	7.2		17444	16572	15909	14954	12711		
3080-4	110MM	208.02	6.9		17444	16572	15909	14954	12711	112-160 5HP-15HP	11.0
		215.94	6.7		17444	16572	15909	14954	12711		
		231.59	6.2		23996	22796	21884	20571	17486		
		245.81	5.9		17444	16572	15909	14954	12711		
		300.10	4.8		23996	22796	21884	20571	17486		
		375.13	3.8		23996	22796	21884	20571	17486		
		426.40	3.4		23996	22796	21884	20571	17486		
		500.81	2.9	5400 Nm	23996	22796	21884	20571	17486		
		567.31	2.5	To	22540	21413	20556	19323	16425		
		682.82	2.1	22000 Nm	22540	21413	20556	19323	16425		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3080											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3080-4	110MM	717.47	2.0		22540	21413	20556	19323	16425	112-160 5HP-15HP	11.0
		774.35	1.85		22540	21413	20556	19323	16425		
		907.58	1.6		22540	21413	20556	19323	16425		
		945.40	1.5		22540	21413	20556	19323	16425		
		1027.79	1.4		17024	16173	15526	14594	12405		
		1105.98	1.3		17024	16173	15526	14594	12405		
		1260.72	1.1		22540	21413	20556	19323	16425		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3085											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME SIZE	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3085-1	110 MM	3.69	390.2		28996	27796	26884	25571	22486	225-250 60HP- 75HP	55.0
		4.18	344.5		27540	26413	25556	24323	21425		
		4.89	294.5	9500 Nm	22444	21572	20909	19954	17711		
		4.04	256.4	To	23396	22476	21777	20771	18405		
		4.50	320.0	27000 Nm	20457	21685	19097	18251	16264		
		5.12	281.2		17592	16962	16484	15795	14175		
		6.00	240.0		13912	13467	13128	12640	11494		
		7.36	195.7		10811	10521	10300	9982	9235		
3085-2	110 MM	13.62	105.7		28996	27796	26884	25571	22486	180-250 30HP-75HP	55.0
		16.05	89.7		28996	27796	26884	25571	22486		
		18.81	76.6		27540	26413	25556	24323	21425		
		21.40	67.3	9500 Nm	27540	26413	25556	24323	21425		
		24.20	59.5	To	27540	26413	25556	24323	21425		
		27.16	53.0	27000 Nm	28996	27796	26884	25571	22486		
		28.31	50.9		22444	21572	20909	19954	17711		
		30.76	46.8		27540	26413	25556	24323	21425		
		34.67	41.5		22444	21572	20909	19954	17711		
3085-3	110 MM	55.01	26.17		28996	27796	26884	25571	22486	160-200 15HP-40HP	30.0
		69.71	20.65		27540	26413	25556	24323	21425		
		79.10	18.2		27540	26413	25556	24323	21425		
		94.79	15.2		28996	27796	26884	25571	22486		
		107.38	13.4		28996	27796	26884	25571	22486		
		119.56	12.0	9500 Nm	27540	26413	25556	24323	21425		
		132.23	10.9	To	22444	21572	20909	19954	17711		
		146.40	9.83	27000 Nm	22540	21413	20556	19323	16425		
		162.95	8.8		28996	27796	26884	25571	22486		
		177.82	8.1		27540	26413	25556	24323	21425		
		191.02	7.5		22444	21572	20909	19954	17711		
3085-4	110 MM	200.74	7.2		22444	21572	20909	19954	17711	112-160 5HP-15HP	11
		208.02	6.9		22444	21572	20909	19954	17711		
		215.94	6.7		22444	21572	20909	19954	17711		
		231.59	6.2		28996	27796	26884	25571	22486		
		245.81	5.9		22444	21572	20909	19954	17711		
		300.10	4.8		28996	27796	26884	25571	22486		
		375.13	3.8		28996	27796	26884	25571	22486		
		426.40	3.4		28996	27796	26884	25571	22486		
		500.81	2.9	9500 Nm	28996	27796	26884	25571	22486		
		567.31	2.5	To	27540	26413	25556	24323	21425		
		682.82	2.1	27000 Nm	27540	26413	25556	24323	21425		
		717.47	2.0		27540	26413	25556	24323	21425		
		774.35	1.85		27540	26413	25556	24323	21425		
		907.58	1.6		27540	26413	25556	24323	21425		
		945.40	1.5		27540	26413	25556	24323	21425		
		1027.79	1.4		22024	21173	20526	19594	17405		
		1105.98	1.3		22024	21173	20526	19594	17405		
		1260.72	1.1		27540	26413	25556	24323	21425		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3090											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3090-1	120 MM	3.57	403.4		33996	32796	31884	30571	27486	280 FS 100 HP	75.0
		4.00	360.0		32540	31413	30556	29323	26425		
		4.60	313.0	14000 Nm	28444	27572	26909	25954	23711		
		3.67	392.4	To	31396	30476	29777	28771	25405		
		4.43	325.0	32000 Nm	30057	30085	29097	28251	25264		
		5.00	288.0		22592	21962	21484	20795	19175		
		5.80	248.3		18912	18467	18128	17640	16494		
	120 MM	7.00	205.7		15811	15521	15300	14982	14235	200-250 40HP-75HP	55.0
		13.62	105.7		33996	32796	31884	30571	27486		
		16.05	89.7		33996	32796	31884	30571	27486		
		18.81	76.6		32540	31413	30556	29323	26425		
		21.40	67.3	14000 Nm	32540	31413	30556	29323	26425		
		24.20	59.5	To	32540	31413	30556	29323	26425		
		27.16	53.0	32000 Nm	33996	32796	31884	30571	27486		
	120 MM	28.31	50.9		28444	27572	26909	25954	23711	160-200 15HP-40HP	30.0
		30.76	46.8		32540	31413	30556	29323	26425		
		34.67	41.5		28444	27572	26909	25954	23711		
		35.99	40.0		28444	27572	26909	25954	23711		
		55.01	26.17		33996	32796	31884	30571	27486		
		69.71	20.65		32540	31413	30556	29323	26425		
		79.10	18.2		32540	31413	30556	29323	26425		
	120 MM	94.79	15.2		33996	32796	31884	30571	27486	112-160 5HP-20HP	15
		107.38	13.4		33996	32796	31884	30571	27486		
		119.56	12.0	14000 Nm	32540	31413	30556	29323	26425		
		132.23	10.9	To	28444	27572	26909	25954	23711		
		146.40	9.83	32000 Nm	28444	27572	26909	25954	23711		
		162.95	8.8		33996	32796	31884	30571	27486		
		177.82	8.1		32540	31413	30556	29323	26425		
	120 MM	191.02	7.5		28444	27572	26909	25954	23711	112-160 5HP-20HP	15
		200.74	7.2		28444	27572	26909	25954	23711		
		208.02	6.9		28444	27572	26909	25954	23711		
		215.94	6.7		28444	27572	26909	25954	23711		
		231.59	6.2		33996	32796	31884	30571	27486		
		245.81	5.9		28444	27572	26909	25954	23711		
		300.10	4.8		33996	32796	31884	30571	27486		
	120 MM	375.13	3.8		33996	32796	31884	30571	27486	112-160 5HP-20HP	15
		426.40	3.4		33996	32796	31884	30571	27486		
		500.81	2.9	14000 Nm	33996	32796	31884	30571	27486		
		567.31	2.5	To	32540	31413	30556	29323	26425		
		682.82	2.1	32000 Nm	32540	31413	30556	29323	26425		
		717.47	2.0		32540	31413	30556	29323	26425		
		774.35	1.85		32540	31413	30556	29323	26425		
	120 MM	907.58	1.6		32540	31413	30556	29323	26425	112-160 5HP-20HP	15
		945.40	1.5		32540	31413	30556	29323	26425		
		1027.79	1.4		28444	27572	26909	25954	23711		
		1105.98	1.3		28444	27572	26909	25954	23711		
		1260.72	1.1		32540	31413	30556	29323	26425		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3100											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3100-1	140 MM	3.57	403.4		46996	45796	44884	43571	40486	315 FS 150 HP	110.0
		4.00	360.0		45540	44413	43556	42323	39425		
		4.60	313.0	27000 Nm	41444	40572	39909	38954	36711		
		3.67	392.4	To	44396	43476	42777	41771	38405		
		4.43	325.0	45000 Nm	43057	43085	42097	41251	38264		
		5.00	288.0		35592	34962	34484	33795	32175		
		5.80	248.3		31912	31467	31128	30640	29494		
		7.00	205.7		28811	28521	28300	27982	27235		

TORQUE RATING OF PLANETARY GEARBOX MODEL : 3100											
MODEL	O/P SHAFT DIA	RATIO	OUTPUT SPEED	RATED TORQUE (Nm)	NOMINAL OUTPUT TORQUE, Tn (Nm)					HOL. INPUT FRAME	THERMAL RATING kW
					n2xh	n2xh	n2xh	n2xh	n2xh		
					10000	25000	50000	100000	500000		
3100-2	140 MM	13.62	105.7		46996	45796	44884	43571	40486	250 FS 75HP	55.0
		16.05	89.7		46996	45796	44884	43571	40486		
		18.81	76.6		45540	44413	43556	42323	39425		
		21.40	67.3	27000 Nm	45540	44413	43556	42323	39425		
		24.20	59.5	To	45540	44413	43556	42323	39425		
		27.16	53.0	45000 Nm	46996	45796	44884	43571	40486		
		28.31	50.9		41444	40572	39909	38954	36711		
		30.76	46.8		45540	44413	43556	42323	39425		
		34.67	41.5		41444	40572	39909	38954	36711		
3100-3	140 MM	35.99	40.0		41444	40572	39909	38954	36711	180-225 25HP-60HP	45.0
		55.01	26.17		46996	45796	44884	43571	40486		
		69.71	20.65		45540	44413	43556	42323	39425		
		79.10	18.2		45540	44413	43556	42323	39425		
		94.79	15.2		46996	45796	44884	43571	40486		
		107.38	13.4		46996	45796	44884	43571	40486		
		119.56	12.0	27000 Nm	45540	44413	43556	42323	39425		
		132.23	10.9	To	41444	40572	39909	38954	36711		
		146.40	9.83	45000 Nm	41444	40572	39909	38954	36711		
		162.95	8.8		46996	45796	44884	43571	40486		
		177.82	8.1		45540	44413	43556	42323	39425		
		191.02	7.5		41444	40572	39909	38954	36711		
		200.74	7.2		41444	40572	39909	38954	36711		
		208.02	6.9		41444	40572	39909	38954	36711		
3100-4	140 MM	215.94	6.7		41444	40572	39909	38954	36711	132-180 10HP-30HP	22
		231.59	6.2		46996	45796	44884	43571	40486		
		245.81	5.9		41444	40572	39909	38954	36711		
		300.10	4.8		46996	45796	44884	43571	40486		
		375.13	3.8		46996	45796	44884	43571	40486		
		426.40	3.4		46996	45796	44884	43571	40486		
		500.81	2.9	27000 Nm	46996	45796	44884	43571	40486		
		567.31	2.5	To	45540	44413	43556	42323	39425		
		682.82	2.1	45000 Nm	45540	44413	43556	42323	39425		
		717.47	2.0		45540	44413	43556	42323	39425		
		774.35	1.85		45540	44413	43556	42323	39425		
		907.58	1.6		45540	44413	43556	42323	39425		
		945.40	1.5		45540	44413	43556	42323	39425		
		1027.79	1.4		41444	40572	39909	38954	36711		
		1105.98	1.3		41444	40572	39909	38954	36711		
		1260.72	1.1		45540	44413	43556	42323	39425		

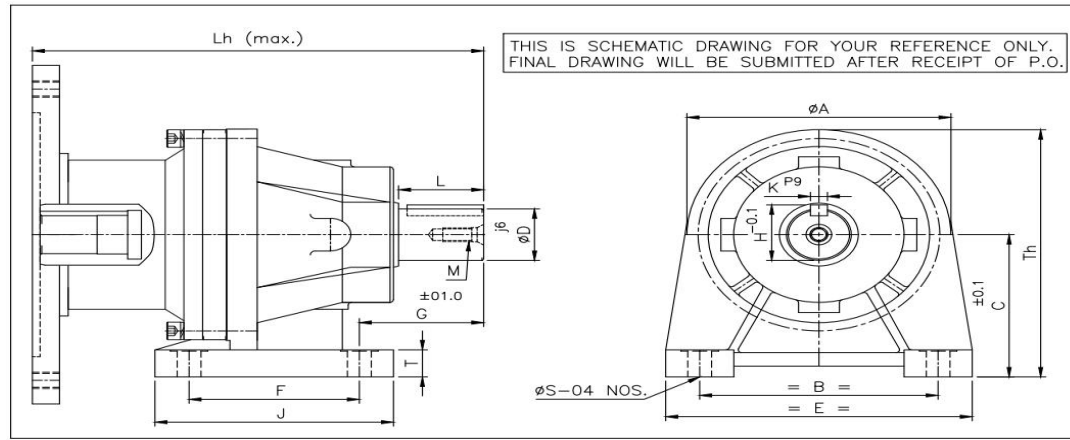
* Above data applicable for 4 pole, 1440 rpm, B5 flange mounted motor Only.

Hollow input dimensions are as per Std. B5 flange type electric motor.

* For higher model and reduction ratio other than mentioned above, Please contact us.

* For exact ratio and torque ratings, Please contact us

* Non standard solid/ hollow shaft dia, holdback arrengment or free input can be given as per customer requirement.



DIMENSIONS OF FOOT MOUNTED PLANETARY GEAR UNITS WITH HOLLOW INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					FOOT MOUNTING									OTHERS		INPUT
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE
3005	19	30	21.5	6	M6	95	120	14	80	75	100	45	9	127.5	95	183	71
3010	24	38	27.0	8	M6	110	140	16	90	85	115	55	11	145	110	203	71, 80
3020	28	40	31.0	8	M8	120	160	18	100	90	130	60	12	167.5	135	236	80, 90, 100
3030	38	50	41.0	10	M10	140	180	20	105	100	140	73	14	182.5	155	265	90, 100
3040	50	75	53.5	14	M12	180	220	22	120	110	160	98	14	212.5	185	325	100, 112, 132
3045	55	80	59.0	16	M12	200	250	24	135	130	180	108	14	242.5	215	344	112, 132
3050	60	90	64.0	18	M16	210	270	26	150	140	190	118	18	267.5	235	397	132, 160
3055	70	90	74.5	20	M16	240	290	28	160	160	210	118	18	292.5	265	425	132, 160
3060	80	110	85.5	22	M16	270	330	30	170	170	230	143	18	315	290	459	132, 160, 180

DOUBLE STAGE

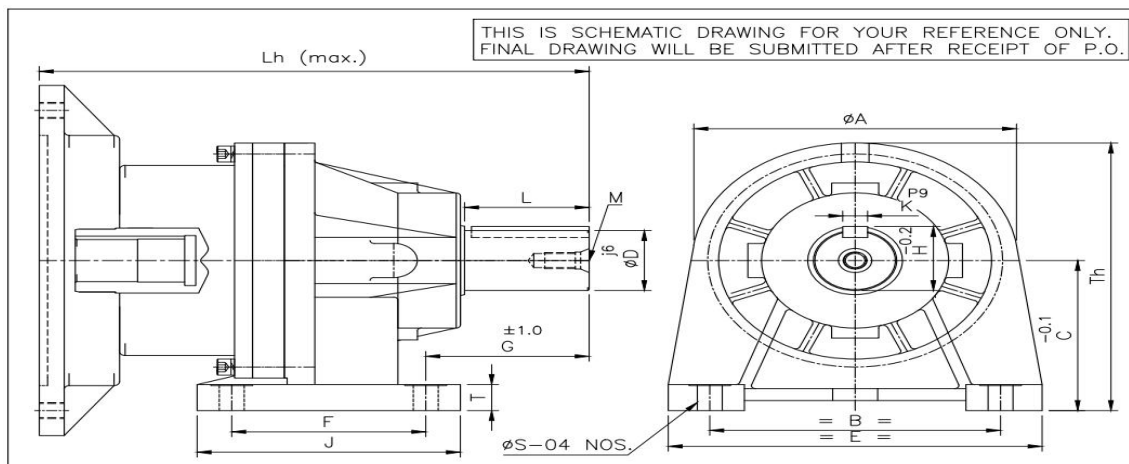
MODEL	OUTPUT SHAFT					FOOT MOUNTING									OTHERS		INPUT
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE
3005	19	30	21.5	6	M6	95	120	14	80	75	100	45	9	127.5	95	212	AS PER SELECTION
3010	24	38	27.0	8	M6	110	140	16	90	85	115	55	11	145	110	227	
3020	28	40	31.0	8	M8	120	160	18	100	90	130	60	12	167.5	135	258	
3030	38	50	41.0	10	M10	140	180	20	105	100	140	73	14	182.5	155	303	
3040	50	75	53.5	14	M12	180	220	22	120	110	160	98	14	212.5	185	363	
3045	55	80	59.0	16	M12	200	250	24	135	130	180	108	14	242.5	215	384	
3050	60	90	64.0	18	M16	210	270	26	150	140	190	118	18	267.5	235	434	
3055	70	90	74.5	20	M16	240	290	28	160	160	210	118	18	292.5	265	470	
3060	80	110	85.5	22	M16	270	330	30	170	170	230	143	18	315	290	537	

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					FOOT MOUNTING									OTHERS		INPUT	
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE	
3005	19	30	21.5	6	M6	95	120	14	80	75	100	45	9	127.5	95	241	AS PER SELECTION	
3010	24	38	27.0	8	M6	110	140	16	90	85	115	55	11	145	110	260		
3020	28	40	31.0	8	M8	120	160	18	100	90	130	60	12	167.5	135	276		
3030	38	50	41.0	10	M10	140	180	20	105	100	140	73	14	182.5	155	325		
3040	50	75	53.5	14	M12	180	220	22	120	110	160	98	14	212.5	185	401		
3045	55	80	59.0	16	M12	200	250	24	135	130	180	108	14	242.5	215	430		
3050	60	90	64.0	18	M16	210	270	26	150	140	190	118	18	267.5	235	466		
3055	70	90	74.5	20	M16	240	290	28	160	160	210	118	18	292.5	265	526		
3060	80	110	85.5	22	M16	270	330	30	170	170	230	143	18	315	290	576		

FOUR STAGE

MODEL	OUTPUT SHAFT					FOOT MOUNTING									OTHERS		INPUT
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE
3005	19	30	21.5	6	M6	95	120	14	80	75	100	45	9	127.5	95	270	AS PER SELECTION
3010	24	38	27.0	8	M6	110	140	16	90	85	115	55	11	145	110	288	
3020	28	40	31.0	8	M8	120	160	18	100	90	130	60	12	167.5	135	309	
3030	38	50	41.0	10	M10	140	180	20	105	100	140	73	14	182.5	155	343	
3040	50	75	53.5	14	M12	180	220	22	120	110	160	98	14	212.5	185	413	
3045	55	80	59.0	16	M12	200	250	24	135	130	180	108	14	242.5	215	462	
3050	60	90	64.0	18	M16	210	270	26	150	140	190	118	18	267.5	235	496	
3055	70	90	74.5	20	M16	240	290	28	160	160	210	118	18	292.5	265	559	
3060	80	110	85.5	22	M16	270	330	30	170	170	230	143	18	315	290	607	



DIMENSIONS OF FOOT MOUNTED PLANETARY GEAR UNITS WITH HOLLOW INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					FOOT MOUNTING									OTHERS		INPUT	
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE	
3065	90	120	95	25	M16	300	360	35	185	200	260	153.5	22	342.5	315	525	180, 200	
3070	95	130	100.0	25	M16	330	390	35	200	230	290	160.5	22	370	340	582	200, 225	
3080	110	170	116.0	28	M16	380	440	35	225	280	340	200	22	417.5	385	664	225, 250	
3085	110	170	116.0	28	M16	390	460	40	245	290	360	210	22	450	410	-	-	
3090	120	180	127.0	32	M16	400	480	40	260	300	380	232.5	26	477.5	435	-	250, 280	

DOUBLE STAGE

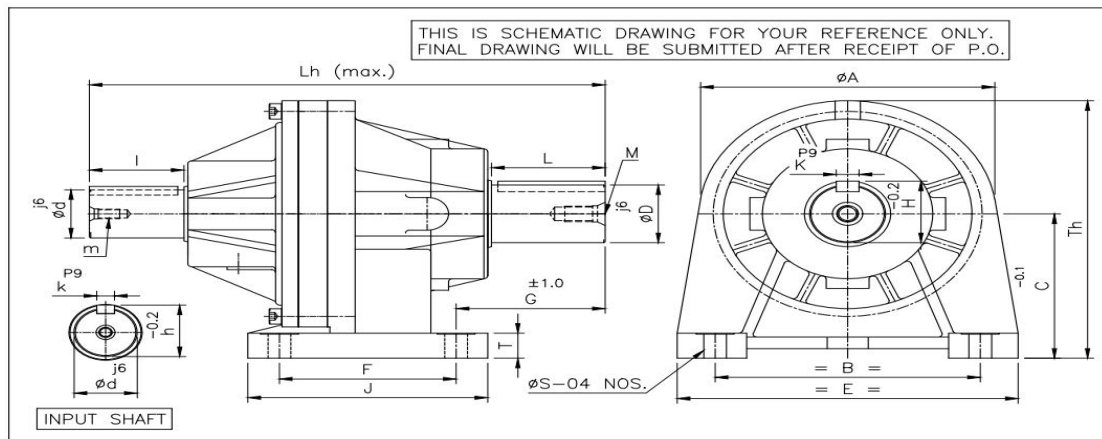
MODEL	OUTPUT SHAFT					FOOT MOUNTING										OTHERS		INPUT	
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE		
3065	90	120	95	25	M16	300	360	35	185	200	260	153.5	22	342.5	315	605	AS PER SELECTION		
3070	95	130	100.0	25	M16	330	390	35	200	230	290	160.5	22	370	340	648			
3080	110	170	116.0	28	M16	380	440	35	225	280	340	200	22	417.5	385	769			
3085	110	170	116.0	28	M16	390	460	40	245	290	360	210	22	450	410	790			
3090	120	180	127.0	32	M16	400	480	40	260	300	380	232.5	26	477.5	435	829			

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					FOOT MOUNTING										OTHERS		INPUT	
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE		
3065	90	120	95	25	M16	300	360	35	185	200	260	153.5	22	342.5	315	681	AS PER SELECTION		
3070	95	130	100.0	25	M16	330	390	35	200	230	290	160.5	22	370	340	743			
3080	110	170	116.0	28	M16	380	440	35	225	280	340	200	22	417.5	385	874			
3085	110	170	116.0	28	M16	390	460	40	245	290	360	210	22	450	410	895			
3090	120	180	127.0	32	M16	400	480	40	260	300	380	232.5	26	477.5	435	947			

FOUR STAGE

MODEL	OUTPUT SHAFT					FOOT MOUNTING										OTHERS		INPUT	
	D j6	L	H	K p9	M	B	E	T	C	F	J	G	S	Th	A	Lh	AVAIL. FRAME SIZE		
3065	90	120	95	25	M16	300	360	35	185	200	260	153.5	22	342.5	315	748	AS PER SELECTION		
3070	95	130	100.0	25	M16	330	390	35	200	230	290	160.5	22	370	340	804			
3080	110	170	116.0	28	M16	380	440	35	225	280	340	200	22	417.5	385	929			
3085	110	170	116.0	28	M16	390	460	40	245	290	360	210	22	450	410	950			
3090	120	180	127.0	32	M16	400	480	40	260	300	380	232.5	26	477.5	435	1040			



DIMENSIONS OF FOOT MOUNTED PLANETARY GEAR UNITS WITH FREE INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FOOT MOUNTING									OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	B	E	T	C	F	J	G	S	Th	A	Lh
3065	90	120	95	25	M16	65	90	69	18	M12	300	360	35	185	200	260	153.5	22	342.5	315	583
3070	95	130	100.0	25	M16	70	90	75	20	M16	330	390	35	200	230	290	160.5	22	370	340	612
3080	110	170	116.0	28	M16	80	110	86	20	M16	380	440	35	225	280	340	200	22	417.5	385	734
3085	110	170	116.0	28	M16	-	-	-	-	-	390	460	40	245	290	360	210	22	450	410	758
3090	120	180	127.0	32	M16	90	120	95	25	M16	400	480	35	260	300	380	232.5	26	477.5	435	804

DOUBLE STAGE

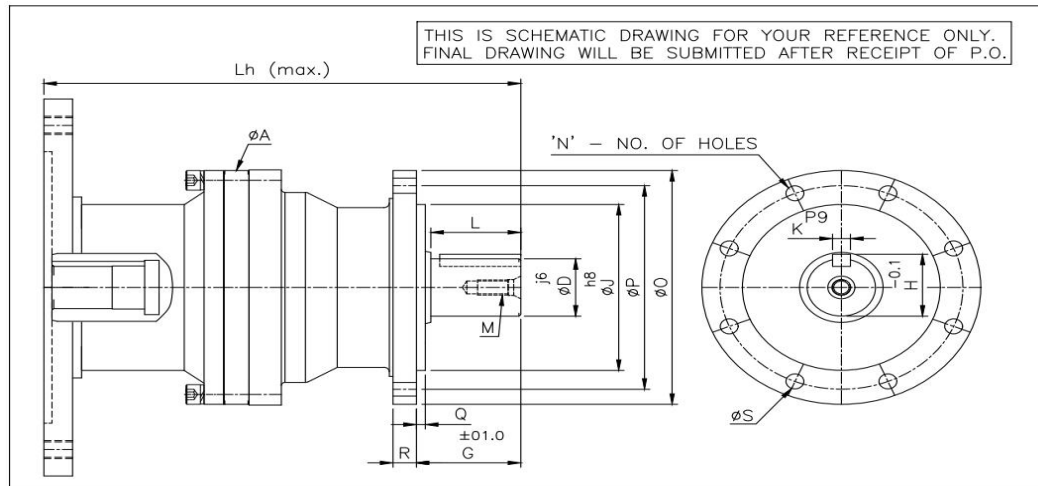
MODEL	OUTPUT SHAFT					INPUT SHAFT					FOOT MOUNTING									OTHERS	
	D j6	L	D1	K p9	M	d j6	l	h	k p9	m	B	E	T	C	F	J	G	S	Th	A	Lh
3065	90	120	95	25	M16	50	75	53.5	14	M12	300	360	35	185	200	260	153.5	22	342.5	315	620
3070	95	130	100.0	25	M16	50	75	53.5	14	M12	330	390	35	200	230	290	160.5	22	370	340	650
3080	110	170	116.0	28	M16	60	90	64.0	18	M12	380	440	35	225	280	340	200	22	417.5	385	759
3085	110	170	116.0	28	M16	65	90	69	18	M12	390	460	40	245	290	360	210	22	450	410	809
3090	120	180	127.0	32	M16	70	90	75	20	M16	400	480	35	260	300	380	232.5	26	477.5	435	854

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FOOT MOUNTING									OTHERS	
	D j6	L	D1	K p9	M	d j6	l	h	k p9	m	B	E	T	C	F	J	G	S	Th	A	Lh
3065	90	120	95	25	M16	42	55	45.0	12	M10	300	360	35	185	200	260	153.5	22	342.5	315	652
3070	95	130	100.0	25	M16	50	75	53.5	14	M12	330	390	35	200	230	290	160.5	22	370	340	723
3080	110	170	116.0	28	M16	50	75	53.5	14	M12	380	440	35	225	280	340	200	22	417.5	385	836
3085	110	170	116.0	28	M16	60	90	64.0	18	M12	390	460	40	245	290	360	210	22	450	410	876
3090	120	180	127.0	32	M16	60	90	64.0	18	M12	400	480	35	260	300	380	232.5	26	477.5	435	925

FOUR STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FOOT MOUNTING									OTHERS	
	D j6	L	D1	K p9	M	d j6	l	h	k p9	m	B	E	T	C	F	J	G	S	Th	A	Lh
3065	90	120	95	25	M16	38	50	41.0	10	M10	300	360	35	185	200	260	153.5	22	342.5	315	705
3070	95	130	100.0	25	M16	42	55	45.0	12	M10	330	390	35	200	230	290	160.5	22	370	340	774
3080	110	170	116.0	28	M16	50	75	53.5	14	M12	380	440	35	225	280	340	200	22	417.5	385	888
3085	110	170	116.0	28	M16	60	90	64.0	18	M12	390	460	40	245	290	360	210	22	450	410	952
3090	120	180	127.0	32	M16	65	90	69	18	M12	400	480	35	260	300	380	232.5	26	477.5	435	1058



DIMENSIONS OF FLANGE MOUNTED PLANETARY GEAR UNITS WITH HOLLOW INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING								OTHERS		INPUT	
	D j6	L	H	K p9	M	J	O	Q	R	P	G	S	N	A	Lh	AVAIL. FRAME SIZE	
3005	19	30	21.5	6	M6	60	95	3	10	80	35	9	4	95	183	71	
3010	24	38	27.0	8	M6	80	120	3	11	100	43	11	4	110	203	71, 80	
3020	28	40	31.0	8	M8	90	140	4	12	120	47	11	4	135	236	80, 90, 100	
3030	38	50	41.0	10	M10	110	155	5	13	135	58	10	8	155	265	90, 100	
3040	50	75	53.5	14	M12	130	185	8	15	165	86	12	8	185	325	100, 112, 132	
3045	55	80	59.0	16	M12	145	210	9	16	180	92	14	8	215	344	112, 132	
3050	60	90	64.0	18	M16	160	235	10	18	200	103	14	8	235	397	132, 160	
3055	70	90	74.5	20	M16	180	260	10	20	225	103	14	8	265	425	132, 160	
3060	80	110	85.5	22	M16	200	290	10	23	250	123	14	8	290	459	132, 160, 180	
3065	90	120	95	25	M16	210	310	10	22	260	143.5	14	12	315	525	180, 200	
3070	95	130	100.0	25	M16	230	340	10	25	295	169.5	17	10	340	582	225, 250	
3080	110	170	116.0	28	M16	265	385	13	33	350	188.0	17	16	385	664		

DOUBLE STAGE

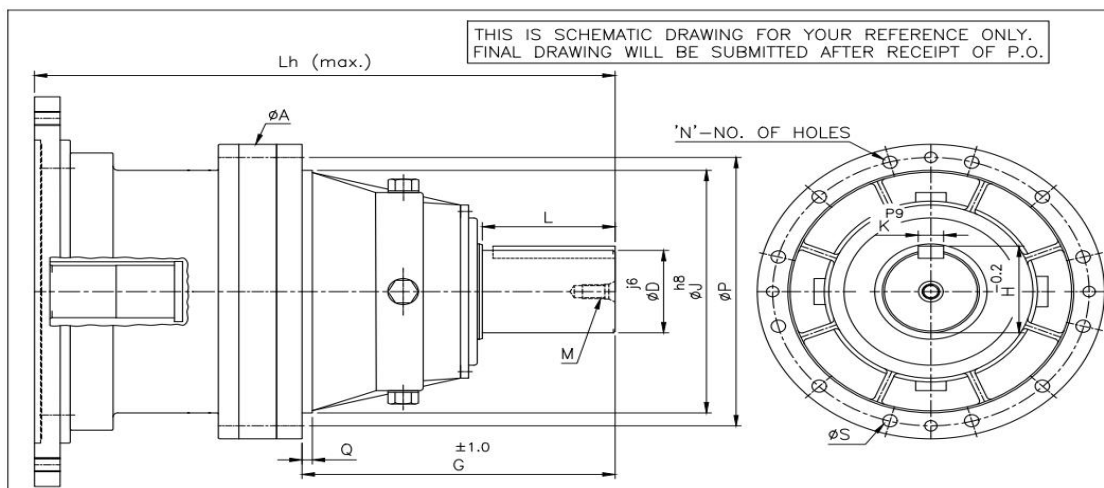
MODEL	OUTPUT SHAFT					FLANGE MOUNTING								OTHERS		INPUT	
	D j6	L	H	K p9	M	J	O	Q	R	P	G	S	N	A	Lh	AVAIL. FRAME SIZE	
3005	19	30	21.5	6	M6	60	95	3	10	80	35	9	4	95	212	AS PER SELECTION	
3010	24	38	27.0	8	M6	80	120	3	11	100	43	11	4	110	227		
3020	28	40	31.0	8	M8	90	140	4	12	120	47	11	4	135	258		
3030	38	50	41.0	10	M10	110	155	5	13	135	58	10	8	155	303		
3040	50	75	53.5	14	M12	130	185	8	15	165	86	12	8	185	363		
3045	55	80	59.0	16	M12	145	210	9	16	180	92	14	8	215	384		
3050	60	90	64.0	18	M16	160	235	10	18	200	103	14	8	235	434		
3055	70	90	74.5	20	M16	180	260	10	20	225	103	14	8	265	470		
3060	80	110	85.5	22	M16	200	290	10	23	250	123	14	8	290	537		
3065	90	120	95	25	M16	210	310	10	22	260	143.5	14	12	315	605		
3070	95	130	100.0	25	M16	230	340	10	25	295	169.5	17	10	340	648		
3080	110	170	116.0	28	M16	265	385	13	33	350	188.0	17	16	385	769		

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING								OTHERS		INPUT	
	D j6	L	H	K p9	M	J	O	Q	R	P	G	S	N	A	Lh	AVAIL. FRAME SIZE	
3005	19	30	21.5	6	M6	60	95	3	10	80	35	9	4	95	241	AS PER SELECTION	
3010	24	38	27.0	8	M6	80	120	3	11	100	43	11	4	110	260		
3020	28	40	31.0	8	M8	90	140	4	12	120	47	11	4	135	276		
3030	38	50	41.0	10	M10	110	155	5	13	135	58	10	8	155	325		
3040	50	75	53.5	14	M12	130	185	8	15	165	86	12	8	185	401		
3045	55	80	59.0	16	M12	145	210	9	16	180	92	14	8	215	430		
3050	60	90	64.0	18	M16	160	235	10	18	200	103	14	8	235	466		
3055	70	90	74.5	20	M16	180	260	10	20	225	103	14	8	265	526		
3060	80	110	85.5	22	M16	200	290	10	23	250	123	14	8	290	576		
3065	90	120	95	25	M16	210	310	10	22	260	143.5	14	12	315	681		
3070	95	130	100.0	25	M16	230	340	10	25	295	169.5	17	10	340	743		
3080	110	170	116.0	28	M16	265	385	13	33	350	188.0	17	16	385	874		

FOUR STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING								OTHERS		INPUT	
	D j6	L	H	K p9	M	J	O	Q	R	P	G	S	N	A	Lh	AVAIL. FRAME SIZE	
3005	19	30	21.5	6	M6	60	95	3	10	80	35	9	4	95	270	AS PER SELECTION	
3010	24	38	27.0	8	M6	80	120	3	11	100	43	11	4	110	288		
3020	28	40	31.0	8	M8	90	140	4	12	120	47	11	4	135	309		
3030	38	50	41.0	10	M10	110	155	5	13	135	58	10	8	155	343		
3040	50	75	53.5	14	M12	130	185	8	15	165	86	12	8	185	413		
3045	55	80	59.0	16	M12	145	210	9	16	180	92	14	8	215	462		
3050	60	90	64.0	18	M16	160	235	10	18	200	103	14	8	235	496		
3055	70	90	74.5	20	M16	180	260	10	20	225	103	14	8	265	559		
3060	80	110	85.5	22	M16	200	290	10	23	250	123	14	8	290	607		
3065	90	120	95	25	M16	210	310	10	22	260	143.5	14	12	315	748		
3070	95	130	100.0	25	M16	230	340	10	25	295	169.5	17	10	340	804		
3080	110	170	116.0	28	M16	265	385	13	33	350	188.0	17	16	385	929		



DIMENSIONS OF FLANGE MOUNTED PLANETARY GEAR UNITS WITH HOLLOW INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING						OTHERS		INPUT
	D j6	L	H	K p9	M	J	Q	P	G	S	N	A	Lh	AVAIL. FRAME SIZE
3070	95	130	100.0	25	M16	280	10	310	306	17	12	340	582	200, 225
3080	110	170	116.0	28	M16	320	12	350	378	17	12	385	664	225, 250
3085	110	170	116.0	28	M16	340	12	370	390	17	15	410	-	
3090	120	180	127.0	32	M16	360	16	400	406	17	16	435	-	250, 280

DOUBLE STAGE

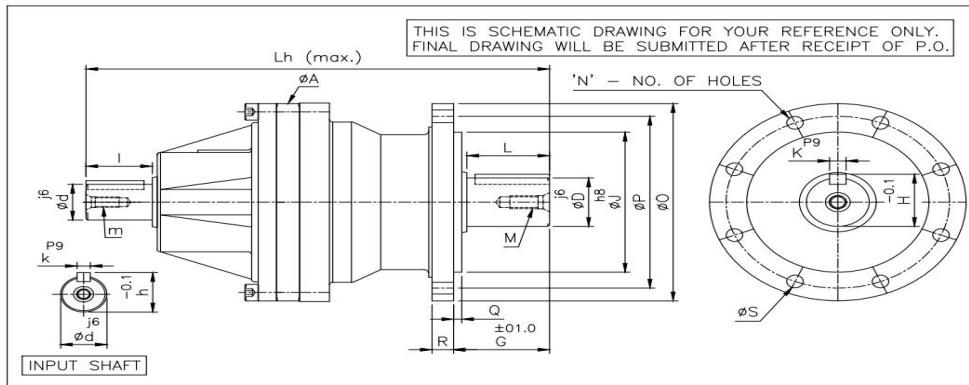
MODEL	OUTPUT SHAFT					FLANGE MOUNTING						OTHERS		INPUT
	D j6	L	H	K p9	M	J	Q	P	G	S	N	A	Lh	AVAIL. FRAME SIZE
3070	95	130	100.0	25	M16	280	10	310	306	17	12	340	648	AS PER SELECTION
3080	110	170	116.0	28	M16	320	12	350	378	17	12	385	769	
3085	110	170	116.0	28	M16	340	12	370	390	17	15	410	790	
3090	120	180	127.0	32	M16	360	16	400	406	17	16	435	829	

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING						OTHERS		INPUT
	D j6	L	H	K p9	M	J	Q	P	G	S	N	A	Lh	AVAIL. FRAME SIZE
3070	95	130	100.0	25	M16	280	10	310	306	17	12	340	743	AS PER SELECTION
3080	110	170	116.0	28	M16	320	12	350	378	17	12	385	874	
3085	110	170	116.0	28	M16	340	12	370	390	17	15	410	895	
3090	120	180	127.0	32	M16	360	16	400	406	17	16	435	947	

FOUR STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING						OTHERS		INPUT
	D j6	L	H	K p9	M	J	Q	P	G	S	N	A	Lh	AVAIL. FRAME SIZE
3070	95	130	100.0	25	M16	280	10	310	306	17	12	340	804	AS PER SELECTION
3080	110	170	116.0	28	M16	320	12	350	378	17	12	385	929	
3085	110	170	116.0	28	M16	340	12	370	390	17	15	410	950	
3090	120	180	127.0	32	M16	360	16	400	406	17	16	435	1040	



DIMENSIONS OF FLANGE MOUNTED PLANETARY GEAR UNITS WITH FREE INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING								OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	O	Q	R	P	G	S	N	A	Lh
3005	19	30	21.5	6	M6	14	20	16.0	5	M5	60	95	3	10	80	35	9	4	95	177
3010	24	38	27.0	8	M6	19	30	21.5	6	M8	80	120	3	11	100	43	11	4	110	215
3020	28	40	31.0	8	M8	24	35	27.0	8	M8	90	140	4	12	120	47	11	4	135	240
3030	38	50	41.0	10	M10	28	40	31.0	8	M8	110	155	5	13	135	58	10	8	155	280
3040	50	75	53.5	14	M12	38	50	41.0	10	M10	130	185	8	15	165	86	12	8	185	338
3045	55	80	59.0	16	M12	42	55	45.0	12	M10	145	210	9	16	180	92	14	8	215	367
3050	60	90	64.0	18	M16	50	75	53.5	14	M12	160	235	10	18	200	103	14	8	235	409
3055	70	90	74.5	20	M16	50	75	53.5	14	M12	180	260	10	20	225	103	14	8	265	449
3060	80	110	85.5	22	M16	60	90	64.0	18	M12	200	290	10	23	250	123	14	8	290	503
3065	90	120	95	25	M16	65	90	69	18	M12	210	310	10	22	260	143.5	14	12	315	583
3070	95	130	100.0	25	M16	70	90	75	20	M16	230	340	10	25	295	169.5	17	10	340	612
3080	110	170	116.0	28	M16	80	110	86	20	M16	265	385	13	33	350	188.0	17	16	585	734

DOUBLE STAGE

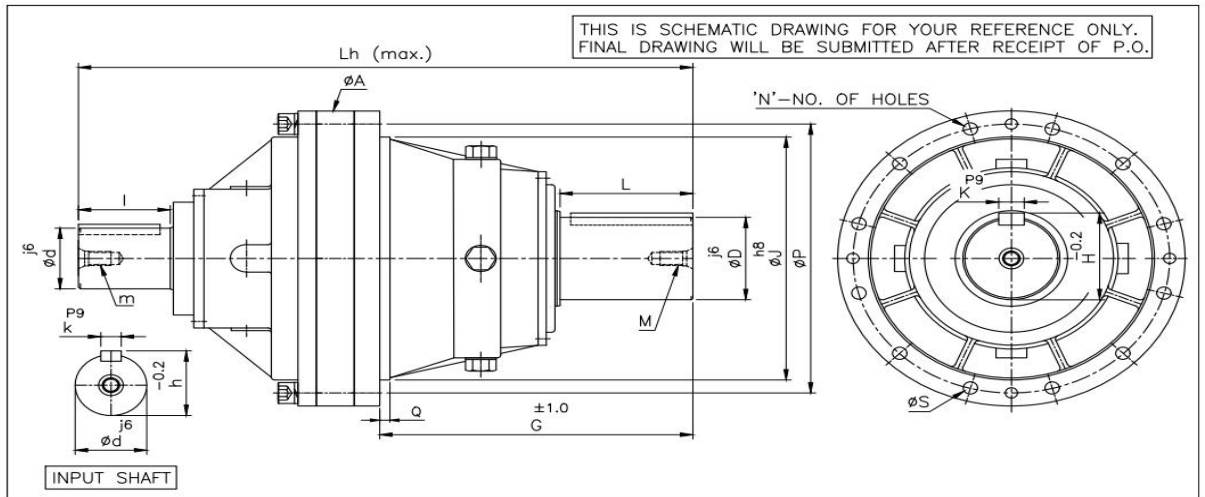
MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING								OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	O	Q	R	P	G	S	N	A	Lh
3005	19	30	21.5	6	M6	14	20	16.0	5	M5	60	95	3	10	80	35	9	4	95	206
3010	24	38	27.0	8	M6	14	20	16.0	5	M5	80	120	3	11	100	43	11	4	110	224
3020	28	40	31.0	8	M8	19	30	21.5	6	M8	90	140	4	12	120	47	11	4	135	263
3030	38	50	41.0	10	M10	24	35	27.0	8	M8	110	155	5	13	135	58	10	8	155	307
3040	50	75	53.5	14	M12	28	40	31.0	8	M8	130	185	8	15	165	86	12	8	185	368
3045	55	80	59.0	16	M12	28	40	31.0	8	M8	145	210	9	16	180	92	14	8	215	387
3050	60	90	64.0	18	M16	38	50	41.0	10	M10	160	235	10	18	200	103	14	8	235	432
3055	70	90	74.5	20	M16	38	50	41.0	10	M10	180	260	10	20	225	103	14	8	265	477
3060	80	110	85.5	22	M16	50	75	53.5	14	M12	200	290	10	23	250	123	14	8	290	555
3065	90	120	95	25	M16	50	75	53.5	14	M12	210	310	10	22	260	143.5	14	12	315	620
3070	95	130	100.0	25	M16	50	75	53.5	14	M12	230	340	10	25	295	169.5	17	10	340	650
3080	110	170	116.0	28	M16	60	90	64.0	18	M12	265	385	13	33	350	188.0	17	16	585	759

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING								OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	O	Q	R	P	G	S	N	A	Lh
3005	19	30	21.5	6	M6	14	20	16.0	5	M5	60	95	3	10	80	35	9	4	95	235
3010	24	38	27.0	8	M6	14	20	16.0	5		80	120	3	11	100	43	11	4	110	253
3020	28	40	31.0	8	M8	14	20	16.0	5	M5	90	140	4	12	120	47	11	4	135	273
3030	38	50	41.0	10	M10	19	30	21.5	6	M8	110	155	5	13	135	58	10	8	155	330
3040	50	75	53.5	14	M12	24	35	27.0	8	M8	130	185	8	15	165	86	12	8	185	395
3045	55	80	59.0	16	M12	24	35	27.0	8	M8	145	210	9	16	180	92	14	8	215	421
3050	60	90	64.0	18	M16	28	40	31.0	8	M8	160	235	10	18	200	103	14	8	235	469
3055	70	90	74.5	20	M16	38	50	41.0	10	M10	180	260	10	20	225	103	14	8	265	525
3060	80	110	85.5	22	M16	38	50	41.0	10	M10	200	290	10	23	250	123	14	8	290	559
3065	90	120	95	25	M16	42	55	45.0	12	M10	210	310	10	22	260	143.5	14	12	315	652
3070	95	130	100.0	25	M16	50	75	53.5	14	M12	230	340	10	25	295	169.5	17	10	340	723
3080	110	170	116.0	28	M16	50	75	53.5	14	M12	265	385	13	33	350	188.0	17	16	585	836

FOUR STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING								OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	O	Q	R	P	G	S	N	A	Lh
3005	19	30	21.5	6	M6	14	20	16.0	5	M5	60	95	3	10	80	35	9	4	95	264
3010	24	38	27.0	8	M6	14	20	16.0	5	M5	80	120	3	11	100	43	11	4	110	282
3020	28	40	31.0	8	M8	14	20	16.0	5	M5	90	140	4	12	120	47	11	4	135	302
3030	38	50	41.0	10	M10	14	20	16.0	5	M5	110	155	5	13	135	58	10	8	155	336
3040	50	75	53.5	14	M12	19	30	21.5	6	M8	130	185	8	15	165	86	12	8	185	413
3045	55	80	59.0	16	M12	24	35	27.0	8	M8	145	210	9	16	180	92	14	8	215	461
3050	60	90	64.0	18	M16	24	35	27.0	8	M8	160	235	10	18	200	103	14	8	235	489
3055	70	90	74.5	20	M16	28	40	31.0	8	M8	180	260	10	20	225	103	14	8	265	544
3060	80	110	85.5	22	M16	28	40	31.0	8	M8	200	290	10	23	250	123	14	8	290	585
3065	90	120	95	25	M16	38	50	41.0	10	M10	210	310	10	22	260	143.5	14	12	315	705
3070	95	130	100.0	25	M16	42	55	45.0	12	M10	230	340	10	25	295	169.5	17	10	340	774
3080	110	170	116.0	28	M16	50	75	53.5	14	M12	265	385	13	33	350	188.0	17	16	585	888



DIMENSIONS OF FLANGE MOUNTED PLANETARY GEAR UNITS WITH FREE INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING						OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	Q	P	G	S	N	A	Lh
3070	95	130	100.0	25	M16	70	90	75	20	M16	280	10	310	306	17	12	340	612
3080	110	170	116.0	28	M16	80	110	86	20	M16	320	12	350	378	17	12	385	734
3085	110	170	116.0	28	M16	-	-	-	-	-	340	12	370	390	17	15	410	758
3090	120	180	127.0	32	M16	90	120	95	25	M16	360	16	400	406	17	16	435	804

DOUBLE STAGE

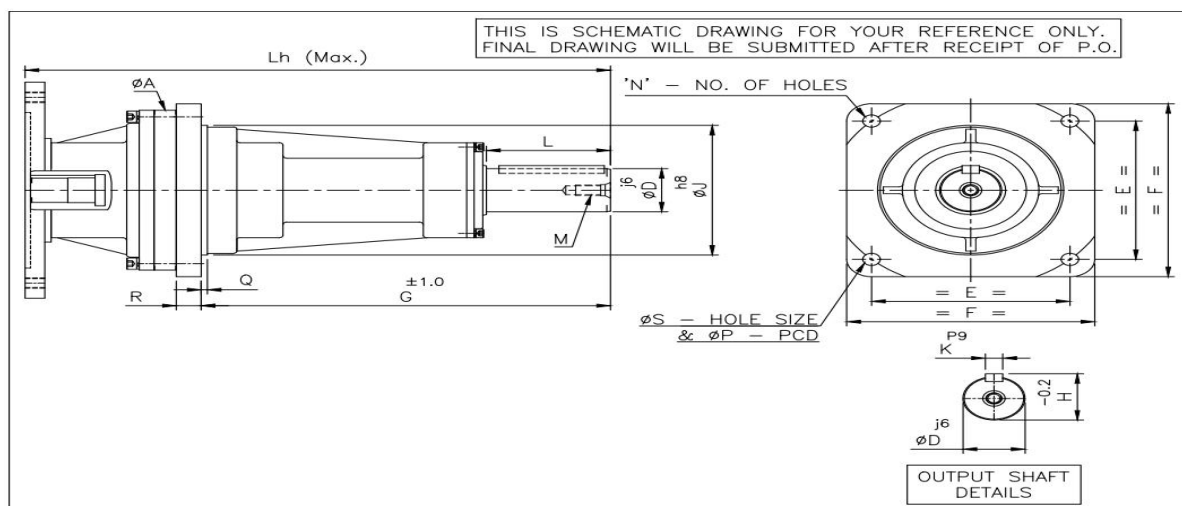
MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING						OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	Q	P	G	S	N	A	Lh
3070	95	130	100.0	25	M16	50	75	53.5	14	M12	280	10	310	306	17	12	340	650
3080	110	170	116.0	28	M16	60	90	64.0	18	M12	320	12	350	378	17	12	385	759
3085	110	170	116.0	28	M16	65	90	69	18	M12	340	12	370	390	17	15	410	809
3090	120	180	127.0	32	M16	70	90	75	20	M16	360	16	400	406	17	16	435	854

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING						OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	Q	P	G	S	N	A	Lh
3070	95	130	100.0	25	M16	50	75	53.5	14	M12	280	10	310	306	17	12	340	723
3080	110	170	116.0	28	M16	50	75	53.5	14	M12	320	12	350	378	17	12	385	836
3085	110	170	116.0	28	M16	60	90	64.0	18	M12	340	12	370	390	17	15	410	876
3090	120	180	127.0	32	M16	60	90	64.0	18	M12	360	16	400	406	17	16	435	925

FOUR STAGE

MODEL	OUTPUT SHAFT					INPUT SHAFT					FLANGE MOUNTING						OTHERS	
	D j6	L	H	K p9	M	d j6	l	h	k p9	m	J	Q	P	G	S	N	A	Lh
3070	95	130	100.0	25	M16	42	55	45.0	12	M10	280	10	310	306	17	12	340	774
3080	110	170	116.0	28	M16	50	75	53.5	14	M12	320	12	350	378	17	12	385	888
3085	110	170	116.0	28	M16	60	90	64.0	18	M12	340	12	370	390	17	15	410	952
3090	120	180	127.0	32	M16	65	90	69	18	M12	360	16	400	406	17	16	435	1058



DIMENSIONS OF FLANGE MOUNTED PLANETARY GEAR UNITS WITH HOLLOW INPUT

SINGLE STAGE

MODEL	OUTPUT SHAFT					AGITATOR MOUNTING									OTHERS		INPUT
	D j6	L	H	K p9	M	J	E	F	Q	R	P	G	S	N	A	Lh	AVAIL. FRAME SIZE
3030	38	50	41.0	10	M10	125	135	170	5	15	190.9	288	12	4	155	417	90, 100
3040	50	75	53.5	14	M12	150	160	200	5	20	226.3	330	14	4	185	488	100, 112 , 132
3045	55	80	59.0	16	M12	170	180	220	10	25	254.6	370	14	4	215	538	112, 132
3050	60	90	64.0	18	M16	200	205	250	10	25	289.9	370	14	4	235	576	132, 160
3055	70	90	74.5	20	M20	220	240	290	10	25	339.4	397	18	4	265	614	132, 160
3060	80	110	85.5	22	M20	270	300	350	10	35	424.3	497	22	4	290	729	160. 180

DOUBLE STAGE

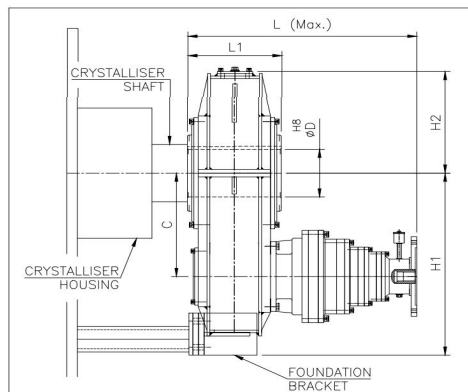
MODEL	OUTPUT SHAFT					FLANGE MOUNTING								OTHERS		INPUT	
	D j6	L	H	K p9	M	J	O	Q	R	P		G	S	N	A	Lh	AVAIL. FRAME SIZE
3030	38	50	41.0	10	M10	125	135	170	5	15	190.9	288	12	4	155	465	AS PER SELECTION
3040	50	75	53.5	14	M12	150	160	200	5	20	226.3	330	14	4	185	542	
3045	55	80	59.0	16	M12	170	180	220	10	25	254.6	370	14	4	215	597	
3050	60	90	64.0	18	M16	200	205	250	10	25	289.9	370	14	4	235	641	
3055	70	90	74.5	20	M16	220	240	290	10	25	339.4	397	18	4	265	686	
3060	80	110	85.5	22	M16	270	300	350	10	35	424.3	497	22	4	290	805	

TRIPPLE STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING								OTHERS		INPUT	
	D j6	L	H	K p9	M	J	O	Q	R	P		G	S	N	A	Lh	AVAIL. FRAME SIZE
3030	38	50	41.0	10	M10	125	135	170	5	15	190.9	288	12	4	155	495	AS PER SELECTION
3040	50	75	53.5	14	M12	150	160	200	5	20	226.3	330	14	4	185	564	
3045	55	80	59.0	16	M12	170	180	220	10	25	254.6	370	14	4	215	644	
3050	60	90	64.0	18	M16	200	205	250	10	25	289.9	370	14	4	235	660	
3055	70	90	74.5	20	M16	220	240	290	10	25	339.4	397	18	4	265	743	
3060	80	110	85.5	22	M16	270	300	350	10	35	424.3	497	22	4	290	872	

FOUR STAGE

MODEL	OUTPUT SHAFT					FLANGE MOUNTING									OTHERS		INPUT
	D j6	L	H	K p9	M	J	O	Q	R	P		G	S	N	A	Lh	AVAIL. FRAME SIZE
3030	38	50	41.0	10	M10	125	135	170	5	15	190.9	288	12	4	155	543	AS PER SELECTION
3040	50	75	53.5	14	M12	150	160	200	5	20	226.3	330	14	4	185	618	
3045	55	80	59.0	16	M12	170	180	220	10	25	254.6	370	14	4	215	703	
3050	60	90	64.0	18	M16	200	205	250	10	25	289.9	370	14	4	235	725	
3055	70	90	74.5	20	M16	220	240	290	10	25	339.4	397	18	4	265	816	
3060	80	110	85.5	22	M16	270	300	350	10	35	424.3	497	22	4	290	948	



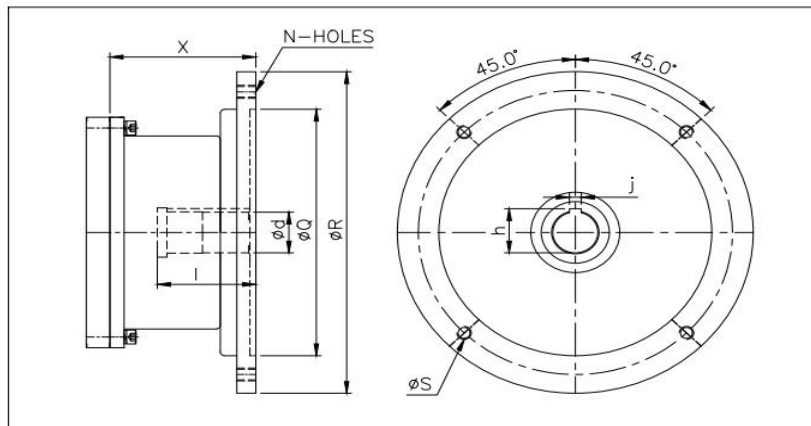
FOR VERTICAL CRYSTALLIZER C MASSECUITE-0.33 RPM
 FOR HORIZONTAL CRYSTALLIZER A MASSECUITE-1 RPM
 FOR HORIZONTAL CRYSTALLIZER B MASSECUITE-0.5 RPM
 FOR HORIZONTAL CRYSTALLIZER C MASSECUITE-0.33 RPM
 FOR PUGMILL-4 RPM
 FOR MAGMA MIXER-16 RPM

MODEL	SHAFT BORE ø D (H8)	C	L1	H1	H2	L (Max.)				
						2 H.P.	3 H.P.	5 H.P.	7.5 H.P.	10 H.P.
7060-3	40 TO 80	210	200	412	212		447			
7070-3	60 TO 110	245	226	451	244					518
7070-4	60 TO 110	245	226	451	244			535		
7070-5	60 TO 110	245	226	451	244	553				
7080-3	90 TO 120	280	250	530	277					553
7080-4	90 TO 120	280	250	530	277				604	
7080-5	90 TO 120	280	250	530	277		625			
7090-5	120 TO 160	325	265	583	320			660		
7100-5	130 TO 180	385	280	690	364					825
7110-5	150 TO 220	420	374	781	398					932
7120-5	170 TO 250	455	395	836	423					968

SELECTION CHART FOR CRYSTALLISER DRIVE

MODEL	SHAFT BORE	CAPACITY	H.P.	RPM	RATIO	G.T.	R.T.	S.F.
7130-5	170 TO 250	300-400 MT	10	0.37	3842.93:1	129750 Nm	409761 Nm	3.15
7120-5	170 TO 250	150-250 MT	7.5	0.34	4134.97:1	104708 Nm	323328 Nm	3.08
7120-5	170 TO 250	150-250 MT	5	0.37	3796.68:1	64095 Nm	199716 Nm	3.11
7120-5	170 TO 250	150-250 MT	5	0.52	2764.21:1	46665 Nm	145405 Nm	3.11
7120-5	170 TO 250	150-250 MT	7.5	1.05	1367.34:1	34625 Nm	106917 Nm	3.08
7120-5	170 TO 250	150-250 MT	10	0.99	1446.54:1	48840 Nm	154241 Nm	3.15
7110-5	150 TO 220	80/90/100 MT	5	0.33	4241.81:1	71609 Nm	223132 Nm	3.11
7110-5	150 TO 220	80/90/100 MT	5	0.56	2570.05:1	44387 Nm	135191 Nm	3.04
7110-5	150 TO 220	80/90/100 MT	5	0.73	1955.93:1	33019 Nm	102887 Nm	3.11
7110-5	150 TO 220	80/90/100 MT	7.5	1.04	1384.25:1	35053 Nm	108239 Nm	3.08
7110-5	150 TO 220	80/90/100 MT	10	1.02	1398.32:1	47212 Nm	1490996 Nm	3.15
7100-5	130 TO 180	55/60/65/70 MT	3	0.36	3954.88:1	40059 Nm	123699 Nm	3.08
7100-5	130 TO 180	55/60/65/70 MT	3	0.5	2807.40:1	28436 Nm	87808 Nm	3.08
7100-5	130 TO 180	55/60/65/70 MT	7.5	0.99	1446.13:1	36620 Nm	113077 Nm	3.08
7100-5	130 TO 180	55/60/65/70 MT	5	0.77	1857.71:1	31371 Nm	97721 Nm	3.11
7100-5	130 TO 180	55/60/65/70 MT	5	1.02	1398.32:1	24661 Nm	76844 Nm	3.11
7090-5	120 TO 160	45-50 MT	3	0.37	3870.93:1	39209 Nm	121073 Nm	3.08
7090-5	120 TO 160	45-50 MT	5	0.53	2667.03:1	45024 Nm	140294 Nm	3.11
7090-5	120 TO 160	45-50 MT	5	1.08	1328.10:1	22420 Nm	69860 Nm	3.11
7090-5	120 TO 160	45-50 MT	3	0.96	1496.42:1	15157 Nm	46804 Nm	3.08
7090-5	120 TO 160	45-50 MT	3	0.53	2679.55:1	27141 Nm	83809 Nm	3.08
7080-5	90 TO 120	30-40 MT	3	1.04	1383.19:1	14010 Nm	43262 Nm	3.08
7080-5	90 TO 120	30-40 MT	3	0.56	2541.11:1	25739 Nm	79667 Nm	3.1
7080-5	90 TO 120	30-40 MT	2	0.56	2528.07:1	17071 Nm	53913 Nm	3.15
7080-5	90 TO 120	30-40 MT	2	0.95	1507.17:1	10177 Nm	32140 Nm	3.17
7080-4	90 TO 120	PUG MILL	10	4.15	346.72:1	12315 Nm	31711 Nm	2.57
7080-4	90 TO 120	PUG MILL	7.5	4	368.48:1	9816 Nm	24715 Nm	2.51
7080-4	90 TO 120	PUG MILL	5	4.03	357.17:1	6343 Nm	18788 Nm	2.96
7080-3	90 TO 120	MAGMA MIXER	10	16.01	89.58:1	3570 Nm	7780 Nm	2.18
7070-5	60 TO 110	15-25 MT	2	1.03	1375.70:1	9290 Nm	29337 Nm	3.15
7070-5	60 TO 110	15-25 MT	2	0.6	2388.09:1	16126 Nm	43663 Nm	2.7
7070-4	60 TO 110	PUG MILL	5	3.94	364.69:1	6476 Nm	19182 Nm	2.96
7070-4	60 TO 110	PUG MILL	3	3.75	384.27:1	4094 Nm	12018 Nm	2.93
7070-3	60 TO 110	MAGMA MIXER	7.5	16.14	89.17:1	2479 Nm	6972 Nm	2.81
7060-3	40 TO 80	MAGMA MIXER	5	16.48	87.33:1	1619 Nm	4601 Nm	2.84
7060-3	40 TO 80	MAGMA MIXER	3	17.16	83.90:1	933 Nm	2623 Nm	2.81

OUTPUT SHAFT DIAMETERS ARE AVAILABLE AS PER REQUIREMENT



MOTOR MOUNTING DETAILS AS PER FRAME SIZE ISI STANDARD

FRAME SIZE	HOLLOW SHAFT				MOUNTING						AVAILABLE B-5 TYPE MOTORS WITH RPM & POWER			
	d (F7)	h	j	l (min)	R	P	Q (H8)	N	S	X	3000 RPM	1500 RPM	1000 RPM	750 RPM
63	11	12.8	4	28	140	115	95	4	M8	71	0.125 / 0.25	0.125 / 0.25	-	-
71	14	16.3	5	36	160	130	110	4	M8	76	0.33 / 0.5	0.33/0.5	0.33/0.5	0.1/0.12
80	19	21.8	6	52	200	165	130	4	M10	79	0.75 / 1.0	0.75/1.0	0.5/0.75	0.25/0.33
90	24	27.3	8	53	200	165	130	4	M10	87	2	1.5/2.0	1.0/1.5	0.5/0.75
100	28	31.3	8	64	250	215	180	4	M12	100	3.0 / 4.0	3.0/4.0	2	1.0/1.5
112	28	31.3	8	64	250	215	180	4	M12	100	5.0 / 5.5	5	3	2
132	38	41.2	10	85	300	265	230	4	M12	120	7.5 / 10	7.5/10	5.0/7.5	3.0/4.0
160	42	45.3	12	115	350	300	250	4	M16	158	12.5 / 15 / 20	12.5/15/20	10/12.5/15	5/7.5/10
180	48	51.5	14	115	350	300	250	4	M16	167	25 / 30	25/30	20	12.5/15
200	55	59.3	16	115	400	350	300	4	M16	168	40 / 50	40	25/30	25
225	60	64.4	18	145	450	400	350	8	M16	204	60	50/60	40	25/30
250	65	69.4	18	145	550	500	450	8	M16	206	75	75/100	50/60	40/50
280	75	79.9	20	145	550	500	450	8	M16	234	100 / 125	100/125/150	60/75	50/60
315	80	85.4	22	175	660	600	550	8	M20	234	150 TO 220	150 TO 220	100 TO 170	75 TO 150

Manufacturing Steps

1. Detailed requirements gathering from you
2. Feasibility study of your requirements
3. Raise Quotation for approval
4. Submissions of Drawings for approval
5. Manufacturing process initiated
6. Gearbox inspection and testing in gear testing facility
7. Test Report and Gearbox dispatch
8. After Sales-service and Support





Planetary Agitator Drive

Reduction Ratio: 12.25: 1 to 1440: 1.

Torque Rating: 850 Nm to 8000 Nm

Input Power: 0.18 kW to 15 kW.

Input Type: Hollow Input,

Planetary Crystallizer Drive

Reduction Ratio: 40: 1 to 6363: 1

Torque Rating: Up to 500000 Nm

Input Power: 0.75 kW to 55 kW

Input Type: Hollow Input, / With Motor

Output Type: Hollow



Custom Built Gearbox

Type ; Heli-Worm Gearbox

Ratio up to 200:1

Motor power: 0.5hp To 20 hp

Winch Drive

Capacity: 250 Kg to 5000 Kg

Input Power: 0.18kW to 20 kW

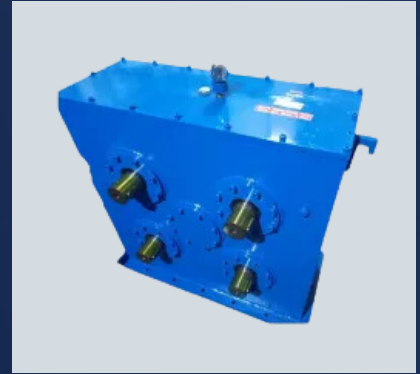
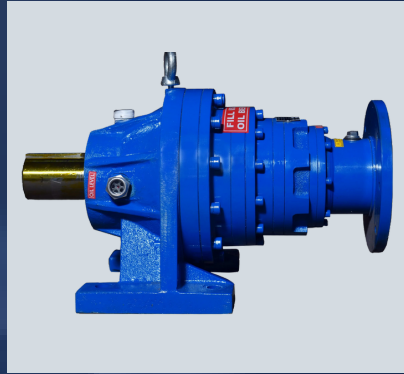
Rope Dia. 6 mm to 20mm.

Line Speed: 0.1m/min to 20m/min.

Input Type: Hollow or Free



Our Range of Gearboxes



Contact us:

Precision Gear Transmissions

📍 W-44, Additional MIDC,
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