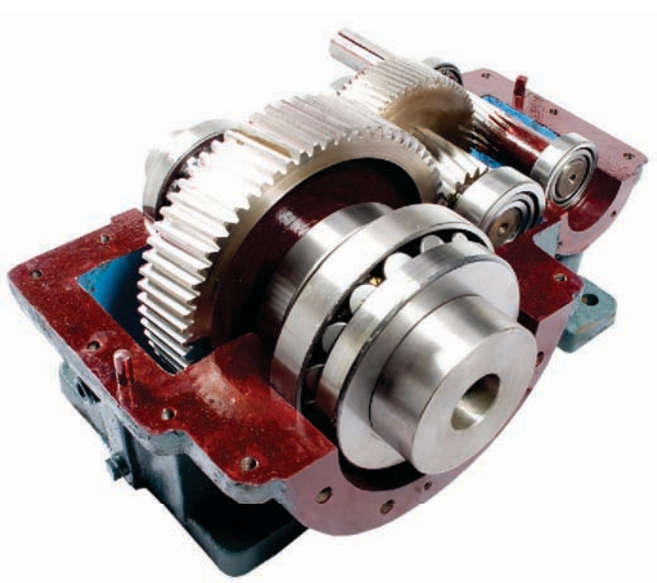
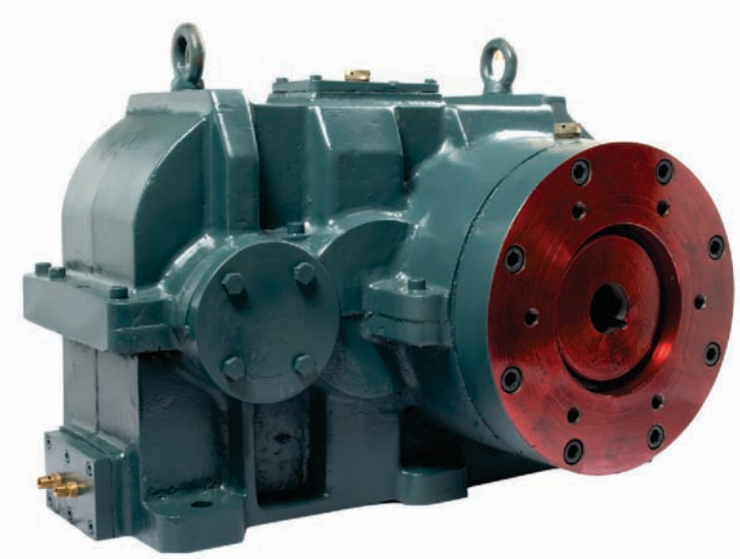
MAYURESH GEARS PVT. LTD.

Extruder Gear Box



Extruder gear box
(Half Cut)



Extruder gear box

INTRODUCTION :

Mayuresh Gears Pvt Ltd needs no introduction in the field of Gear boxes as it is satisfying needs of power transmission of hundreds of customers for more than one decade. We are specialised in manufacturing Helical Gear Boxes with inbuilt thrust housing – a special technology for Plastic Processing Machinery. We also manufacture Standard Helical gear boxes & geared motors both Foot as well as flange type, Worm reduction gear boxes & geared motors, Twin Screw gear boxes & also special gear boxes as per customers specifications.
Here we are giving you details of our Helical Gear Boxes with inbuilt thrust housing.

FEATURES & ADVANTAGES :

A. INBUIT THRUST HOUSING

Our helical gear boxes with inbuilt thrust housing are specially used in Plastic Processing Machines as they offer certain advantages over the one traditionally used. They are :

1. Screw being directly fitted into the hollow output shaft of gear box, gives maximum accuracy in alignment.
2. Eliminates need of separate housing so cost saving.
3. The plastic processing machine will occupy less space.
4. Less time required for assembly of plastic processing machinery as alignment problem is taken care to great extend, resulting into prompt & timely accomplishment of customer's order.
5. As there is no power drain between gear box, housing & screw, there is conservation of energy, resulting into reduction in power usage

B. GEARS

Gears are made from special quality steel & are case hardened & ground on special imported machine resulting into smooth running of gear box & there by increasing it's life.

C. WATER COOLING

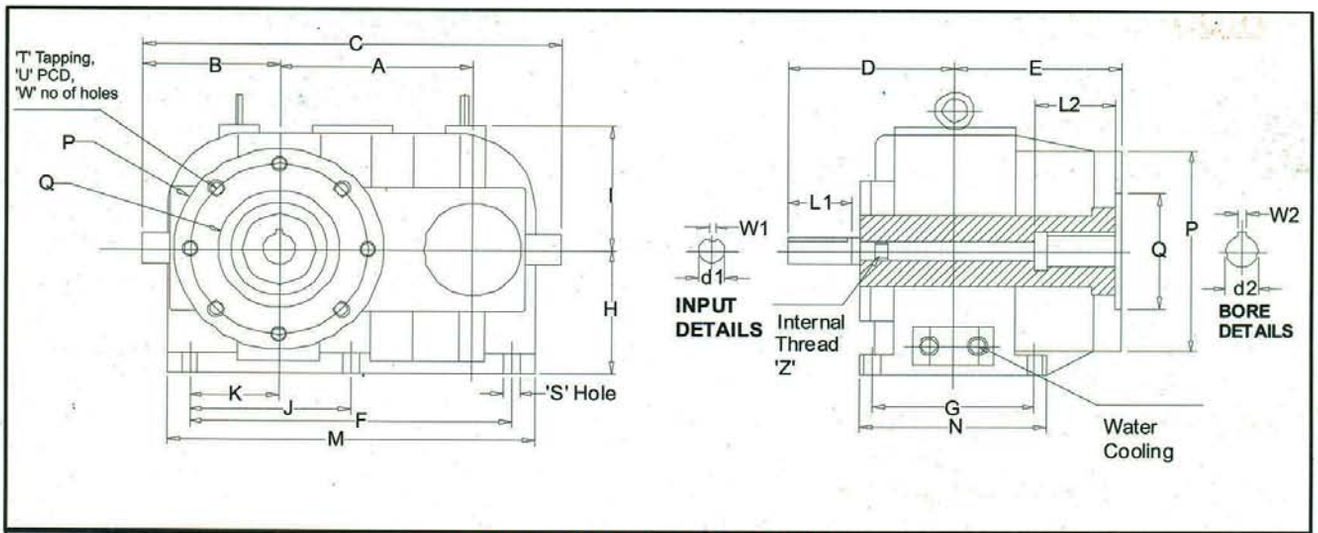
As the gears are hardened , they generate heat while running . In order to control this heat, we provide our gear boxes with water cooling arrangements. Due to this efficiency of gear box is improved & it results into reduction in maintenance cost.

D. GEAR CASE

Gear case is made from high quality close grain cast iron . So it makes gear box oil tight & dust proof.

E. LUBRICATION & MAINTENANCE

Our gear boxes are supplied without oil . Please don't use the gear box without filling oil in it. Use good quality straight mineral oil of proper grade like Bharat Amocom 320 or IOC Servomech SP320.
Level of oil in the unit should be checked periodically . The air breather should be clear. It is advisable to flush & refill the unit with new & clean oil after 500 hours of initial running.



DIMENSION DETAILS

Housing Details

Model	A	B	C	D	E	F	G	H	I	J	K	M	N	S
MG 90	150	105	310	125	133	240	130	100	95		70	275	170	14
MG 100	165	115	340	137	137	300	140	100	100		72	340	175	14
MG 110	190	140	405	150	168	325	155	125	125		95	360	195	14
MG 125	215	155	475	177	190	360	190	140	140		100	420	240	15
MG 140	240	170	520	205	222	400	205	160	160		110	455	255	19
MG 170	280	190	545	238	248	460	235	180	180		150	515	290	19
MG 180	310	231	660	275	291	520	280	200	200		161	600	340	22
MG 200	340	240	745	275	310	560	280	225	225	280	167	625	340	22
MG 225	385	275	840	320	343	655	280	250	250	340	175	750	350	22
MG 240	410	270	875	310	330	665	300	280	250	380	203	740	380	25.4
MG 300	500	310	1025	325	375	830	370	310	280	415	247	920	430	25.4

	Flange Details							Input Details			Output Details			
Model	P	Q	R	T	U	W		d1	L1	W1	d2 Maxi.	L2	W2	Z - BSW
MG 90	150	90	6	M 10	130	6		19	40	6	25	75	6	5/8
MG 100	170	100	6	M 12	145	6		24	50	8	30	90	8	5/8
MG 110	210	125	6	M 12	180	8		24	60	8	35	100	8	3/4
MG 125	230	150	8	M 12	200	8		28	70	8	38	100	10	3/4
MG 140	260	175	8	M 16	225	8		32	80	10	45	150	10	3/4
MG 170	300	200	8	M 16	250	8		35	100	10	50	150	12	1
MG 180	330	225	10	M 20	290	8		38	100	12	65	150	14	1
MG 200	350	250	10	M 20	310	8		45	110	14	70	150	16	1
MG 225	400	275	10	M 20	350	8		55	115	16	80	150	16	1
MG 240	430	300	10	M 20	390	8		58	125	16	90	150	16	1
MG 300	500	300	10	M 20	430	8		58	125	16	100	150	16	1

Note : All dimenions are in mm. Dimensions are subject to change without prior notice.

Power Rating

Ratio	Input Speed	Output Speed	MG 90	MG 100	MG 110	MG 125	MG 140	MG 170	MG 180	MG 200	MG 225	MG 240	MG 300
			Nominal Power : Pn (Kw)										
06:01	1500	250	19.00	25.00	32.00	45.00	69.00	115.00	147.00				
	1000	167	13.00	17.00	21.00	31.00	45.00	78.00	102.00				
	750	125	10.00	13.00	16.00	23.00	35.00	58.00	82.00				
10:01	1500	150	11.00	16.00	22.00	32.00	46.00	80.00	120.00	148.00	200.00	250.00	405.00
	1000	100	6.00	10.00	15.00	21.00	33.00	55.00	78.00	92.00	132.00	175.00	275.00
	750	75	5.00	7.00	10.00	16.00	23.00	41.00	58.00	78.00	105.00	135.00	222.00
15:01	1500	100	8.00	10.00	13.00	21.00	29.00	47.00	65.00	88.00	124.00	160.00	265.00
	1000	67	4.00	7.00	9.00	13.00	18.00	35.00	43.00	60.00	85.00	115.00	191.00
	750	50	3.00	4.50	7.00	10.00	15.00	27.00	36.00	45.00	67.00	90.00	145.00

Note : Minimum service factor recommended is 1.7 to 2.0

Above rating are meant for general Plastic Industry & may differ depending upon manufacturing process & raw material used.

For more details please contact us.

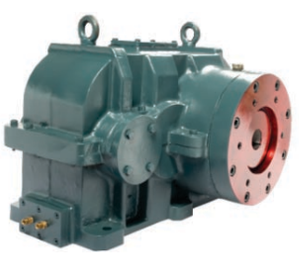
Helical Gear Box with Hollow Input

Twin screw gear box

Crane Duty gear box

Geared motor flange mounted

Helical Gear Box (Co-axial)



Extruder Gear Box

Shaft mounted gear box

MAYURESH GEARS PVT. LTD.

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