INTRODUCTION :

Elmech Engineering Company doesn't require introduction in the field of power transmission products, as it is fulfilling the demand of various industries for more than a decade. 'Elmech" extruder gearboxes in double and single reduction parallel shaft horizontal models are conceived to satiate behemoth conditions normally encountered in plastic industry. Extruder gearboxes are thoroughly competent to carry the essential high torque to absorb the intense axial thrust load through spherical roller thrust bearing.

This catalogue contains specifications, dimensions and rating for selection of extruder gearbox.

GEARS :

Gears and pinions (of helical type) are generated from high quality alloy steel with case hardening. It provides improved wear resistance and fatigue strength. These are subsequently profile ground to precision grade to ensure high standard of accuracy, long life and quiet running characteristics.

CASE :

Gear case is built from high quality close-grained cast iron. The case is designed for optimal wall thickness.

BEARINGS AND OIL SEALS :

Bearings from principal manufacturers are utilized throughout. These are selected to endure combined radial and thrust loads. High quality oil seals are used to resist the temperature.

LUBRICATION :

Lubrication is completely independent by automatic splash, which arranges stream of oil for minimum wear and noise. Extra attention is not necessary excluding frequent topping up of the oil.

COOLING :

Substantial exterior area is provided for heat dissipation. All units are fitted with cooling water coil.

ADVANTAGES :

The advantages of helical inbuilt thrust housing gearbox over conventional worm gearbox are:

1. No Alignment Problem
2. Cost Savings
3. Space Savings
4. Power Savings (up to 22%)
5. Less Maintenance
6. Easy to Assemble & Dismantle

POWER RATING										
RATIO	INPUT SPEED	OUTPUT SPEED	EBH 110	EBH 125	EBH 140	EBH 160	EBH 180	EBH 200	EBH 225	EBH 250
NOMINAL POWER : kW										
6.3:1	1500	240	32	45	63	94	130	184	256	333
	1000	160	21	30	42	63	90	130	193	252
	750	120	16	22	32	48	66	99	153	207
8:1	1500	188	28	39	55	81	112	162	229	315
	1000	125	19	27	36	54	76	112	162	220
	750	94	14	19	27	41	58	82	121	171
10:1	1500	150	22	31	45	66	90	135	189	252
	1000	100	15	21	29	44	61	85	130	175
	750	75	11	16	22	33	45	72	99	139
12.5:1	1500	120	18	26	36	49	72	99	153	202
	1000	80	12	17	24	33	46	69	103	148
	750	60	9	13	18	25	37	52	79	112
14:1	1500	107	16	23	31	43	61	90	135	184
	1000	71	10	15	21	28	41	63	94	130
	750	54	8	11	16	21	31	46	70	99

Note : Minimum sevice factor recommended is 1.7 to 2.

Above ratings are for general plastic industry & may differ depending upon manufacturing process & raw materials used. For more details, please contact us.