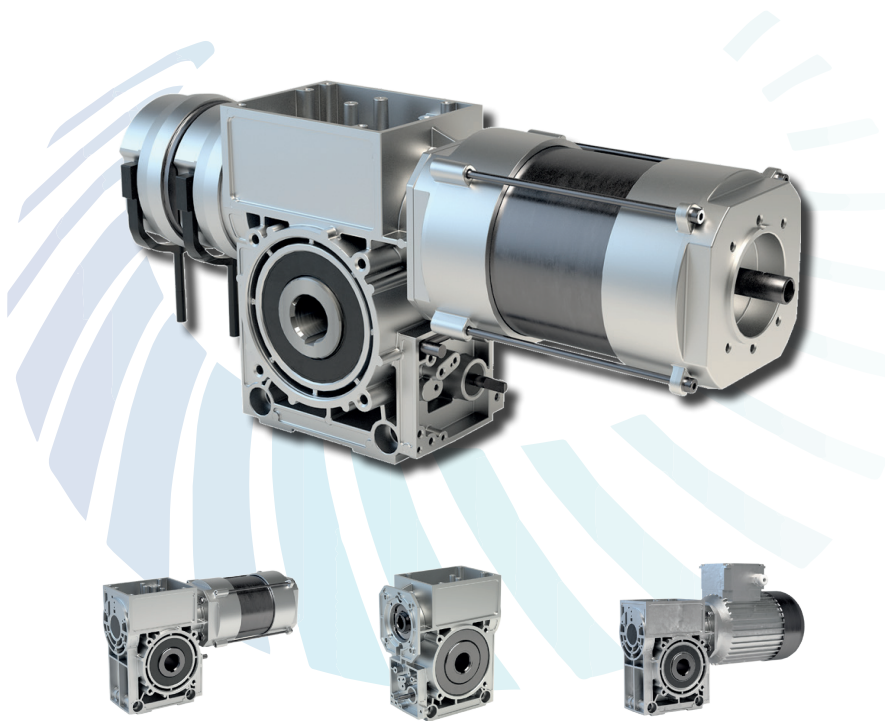


# Gear Motors TD 2.5



## Applications

### Accessibility / Lift Industry

- Platform Lifts
- Passenger Lifts
- Goods & Service lifts

### Theatre & Stage Machinery

- Rigging
- Scenery hoists & Winches
- Flying, Curtain track Systems
- Turntables and platforms

### Industrial Door Automation

- Sectional, High-Speed doors
- Rolling Shutters
- Sliding Gates

### Industrial Applications

- Mechanical Engineering
- Conveyor & Crane
- Printing and Textile

## Benefits

- High Operation Reliability
- High Flexibility and Efficiency
- High Modularity
- Compact Design
- Lifetime lubrication
- Excellent mechanical strength and particularly lightweight

## Features

- Output Speed: max. 240 rpm
- Output Torque max. 280 Nm
- Motor Power max. 1,5 kW
- Gear Ratios from 11,6 to 71
- Fitted with different motor combinations
  - “Integrated” using Tornado Motors
  - “Combined” with standard IEC Motors (CE, UL/CSA...)
- Operating Voltage: 1x230V/AC, 3x230V/400V/AC (50Hz / 60Hz)

## Options

- Safety Feature Built-in TÜV-certified Safety Catch or Anti-Drop Protection (TDA Version)
- Brake Assembly: Motor or gearbox side
- Frequency Converter: Yes
- Gearbox Flange: B14 mounting up to IEC90 motors
- Shafts: Single and Double Shaft, extended Input Shafts (Encoder)
- Emergency Operation Hand crank / Chain hoist mechanisms
- Limit Switch: 3 gear ratios (i=10, i=20, i=40) / Mechanical / digital (Single-Turn / Multi-turn) / Top (O) or below Motor Position (U)

# Gear Motors TD 2.5

## Specifications



### Performance (2 pole)

Gear Ratio	Input Speed	Output Speed	Gear Motors TD 2.5 - Performance (2-pole) torque range (Nm)												
			Efficiency DIN3996:2012	0.37 kW		0.55 kW		0.75 kW		0.8 kW		1.1 kW		1.5 kW	
				Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma
11,6	2800	241	84%	10	15	20	25	25	30	30	35	40	50	50	60
14,50	2800	193	81%	15	20	25	30	30	36	35	40	45	55	60	70
19,33	2800	145	77%	20	25	30	35	40	48	40	50	60	70	80	95
43	2800	65	64%	35	45	50	60	70	84	75	90	105	125	145	175
58	2800	48	55%	40	50	60	75	60	72	85	100	120	145	165	200
71	2800	39	48%	43	55	65	80	90	108	95	115	130	155	175	210

### Performance (4 pole)

Gear Ratio	Input Speed	Output Speed	Gear Motors TD 2.5 - Performance (4-pole) torque range (Nm)												
			Efficiency DIN3996:2012	0.37 kW		0.55 kW		0.75 kW		0.8 kW		1.1 kW		1.5 kW	
				Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma
11,6	1370	118	85%	25	30	40	50	50	60	55	65	75	90	100	120
14,50	1370	94	82%	30	35	45	55	60	70	65	80	90	110	125	150
19,33	1370	71	78%	40	50	60	70	80	95	85	100	115	140	160	190
43	1370	32	65%	70	85	110	130	150	180	155	185	215	260	-	-
58	1370	24	56%	85	100	125	150	170	205	180	215	250	280	-	-
71	1370	19	49%	90	110	135	160	160	190	195	235	-	-	-	-

### Performance (6 pole)

Gear Ratio	Input Speed	Output Speed	Gear Motors TD 2.5 - Performance (6-pole) torque range (Nm)												
			Efficiency DIN3996:2012	0.37 kW		0.55 kW		0.75 kW		0.8 kW		1.1 kW		1.5 kW	
				Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma	Mn	Ma
11,6	920	79	85%	40	50	55	65	75	90	80	95	110	130	155	186
14,50	920	63	82%	45	55	70	85	90	110	100	120	135	160	185	220
19,33	920	48	78%	60	70	85	100	110	130	125	150	170	205	235	240
43	920	21	65%	110	130	160	190	120	145	235	280	-	-	-	-
58	920	16	55%	125	150	185	220	250	300	270	280	-	-	-	-
71	920	13	49%	135	160	200	240	-	-	-	-	-	-	-	-