

ANAND GEARS

Industrial Gearboxes & Power Transmission — since 1996

Product Range Catalogue

Worm · NMRV · Helical · Bevel · Planetary · Geared Motors

Screw Jacks · Fluid Couplings · Extruder Gearboxes · Gears & Spares

Automation & Drive Solutions — VFDs, PLCs, HMIs, Panels

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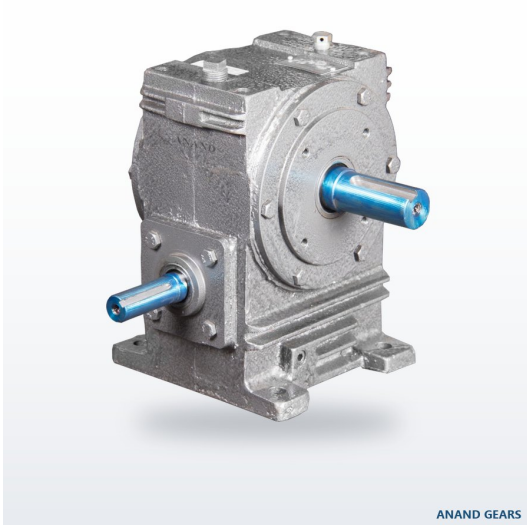
Anand Gears at a Glance

Anand Gears manufactures industrial gearboxes and power-transmission equipment at Bhayander East, Thane, since 1996 — over 10,000 gearboxes delivered to 500+ industrial clients with pan-India supply. Alongside the gearbox ranges we supply drive electronics and build motor control panels in-house, so a complete drive chain — motor, gearbox, VFD, and panel — can come from one vendor, sized as one system.

Product Line	Key Range
Worm Gearboxes — cast iron	Sizes 50–305CD · ratios 5:1–100:1 · to 25 kW · to 4,200 Nm
NMRV Worm Reducers — aluminium	Sizes 025–150 · ratios 5:1–100:1 · to 18.5 kW · to 1,550 Nm
Helical Gearboxes	H / K / F / S series · to 75 kW · efficiency > 96%
Bevel Gearboxes	Spiral bevel, 90° drives · multi-stage bevel-helical options
Planetary Gearboxes	1 / 2 / 3 stage inline · high torque density · low backlash
Geared Motors	Worm, helical, helical-worm, helical-bevel types
Machine Screw Jacks	5 kN – 350 kN · models AG-SJ-05 to AG-SJ-350
Fluid Couplings	Constant-fill, variable-speed, delayed-fill
Extruder Gearboxes	5.5–75 kW across series · continuous (S1) duty
Gears, Spares & Components	Spur gears, worm wheels & shafts, crown & pinion, spares
Automation & Drive Solutions	VFDs, PLCs, HMIs, servo, temperature controllers, panels

This catalogue summarises the standard ranges. Every Anand Gears product is also built to custom requirement — share your duty point and our engineering team will size the drive. All dimensions in mm.

Worm Gearboxes



High torque multiplication in a compact, self-locking package. Ratios of 5:1 and above hold the load when power is removed — no external brake — making worm drives the default for conveyors, mixers, packaging lines, and lifting duty. Hardened worm shafts run against bronze wheels for long service life.

Product Line	Size Range	Power	Torque	Ratio	Efficiency	Housing
Cast Iron Worm	50–305CD	3–25 kW	to 4,200 Nm	5:1–100:1	75–85%	Cast iron
NMRV Aluminium	025–150	0.37–18.5 kW	to 1,550 Nm	5:1–100:1	70–82%	Aluminium

Variants

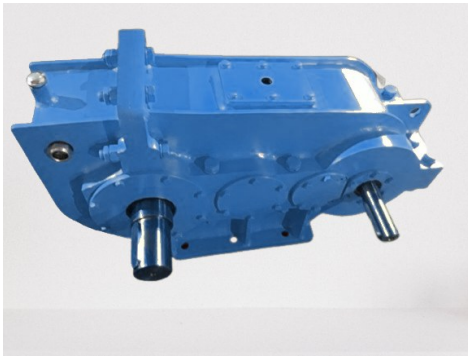
Adaptable (6 shaft positions, 30–100 mm CD) · Under Driven (90–305 mm CD) · Double Worm (ratios to 4900:1) · Vertical · NU Series universal (60–205 mm CD) · V Type · Motorised · Stainless steel (AISI 316 / Niploy) for washdown and corrosive duty.

Helical Gearboxes

Hardened and ground helical gearing with efficiency above 96%. Foot and flange mounting, solid and hollow output options, in four series:

Series	Configuration	Best For
H Series	Parallel shaft helical	Conveyors, mills, general industrial drives
K Series	Helical-bevel, right angle	Space-tight 90° drives, agitators
F Series	Flange output, shaft-mount	Compact machine builds
S Series	Helical-worm	Economical right-angle reduction

Crane & Hoist Duty



Stages	Typical Ratio Band	Typical Use
Single stage	up to ~6:1	High-speed travel drives
Two stage	~6:1 – 25:1	Cross travel, light hoists
Three stage	~25:1 – 130:1	Main and auxiliary hoists
Four stage	~130:1 – 650:1	Slow, high-torque hoisting

Fabricated steel housings, case-hardened and profile-ground gearing, roller bearings sized for shock and reversing loads. Solid, geared, or hollow output shafts; horizontal or vertical orientation. Shaft-mounted hoist configurations available.

Bevel & Planetary Gearboxes

Bevel Gearboxes

Spiral bevel gear units for 90° power transmission — compact, quiet, and tolerant of shock. Multi-stage bevel-helical arrangements cover higher ratios; synchronized bevel sets drive multi-jack lifting systems.

Planetary Gearboxes

Inline planetary drives in 1, 2, and 3 stages with high torque density and low backlash — suited to robotics, indexing, and precision positioning, including servo-input reducer packages with inertia matching handled by our engineering team.

Geared Motors

Integrated motor-gearbox drives — worm, helical, helical-worm, and helical-bevel types — with foot, flange, and shaft mounting. Supplied as tested sets, with matched VFD and starter panel on request. Typical staging: single stage to ~6:1, two stage to ~25:1, three stage to ~130:1; higher bands by combined arrangements.

Screw Jacks & Fluid Couplings

Machine Screw Jacks — AG-SJ-05 to AG-SJ-350

Precise, self-locking linear motion from 5 kN to 350 kN. Trapezoidal screws (self-locking) and ball screws (high efficiency); upright, inverted, and rotating configurations; hand-wheel, motorised, and bevel-gearbox-linked drives. Single jacks through 8-jack synchronized lifting systems with connecting shafts and bevel boxes. Accessories: protection tube, bellows, limit switches, safety nut, motor mounts.

Fluid Couplings

Hydrodynamic couplings in constant-fill, variable-speed, and delayed-fill designs. Fitted between motor and gearbox they cushion starts, isolate shock, protect against overload, and share load between drives — the standard fix for high-inertia conveyors, crushers, and mills.

Extruder Gearboxes



Series	Power	Duty	Ratios	Temperature
Standard Extruder	5.5–55 kW	Continuous (S1)	3.5:1–50:1	-10 to +90 °C
High-Temperature	7.5–45 kW	Continuous (S1)	4:1–40:1	-5 to +110 °C
Dual-Motor (twin screw)	11–75 kW	Continuous (S1)	5:1–50:1	-10 to +100 °C

Reinforced thrust-bearing housings absorb screw back-pressure directly — the defining difference between extruder-duty and general-purpose gearboxes.

Specialty, Custom & Spares

Special Gearbox with Clutch · Custom Built Gearboxes · Custom Helical · Worm Gearbox with Manual Clutch · Tube Mill Gearbox · Strip Mill Gearbox · Lift Duty Gearbox · Shaft Mounted Reduction Gearbox.

Gears, Spares & Components

Spur gears (SS/MS, 10–30 inch, 44–150 teeth) · polished worm wheels (copper/MS) · case-hardened, ground worm shafts · crown & pinion matched sets (module 1–6) · replacement gears, shafts, bearings and seals for all gearbox types, OEM and aftermarket.

Industries Served

Cement · coal grinding · conveyors & material handling · cooling towers & HVAC · elevators · food processing · packaging · sugar mills · textiles · steel & metals · pharmaceuticals · plastics & rubber extrusion · water treatment · OEM machine builders.

Automation & Drive Solutions

The electronics that complete the drive chain — supplied loose or engineered into tested panels at our Thane facility, shipped with as-built drawings and test certificates.

Category	Commonly Arranged
VFD Drives	Delta MS300 / ME300 / VFD-EL / EL-W / C2000 · Schneider Altivar ATV212/310/312/320, ATV71 legacy · CG Emotron
PLC Controllers	Schneider Modicon TM172–TM251, Zelio Logic · Delta AS & DVP families, UB-10 wiring boards
HMI Panels	Delta DOP-100 (4.3" / 7" / 10.1") · Schneider · Siemens on request
Servo Drives & Motors	Delta ASDA-B2 / A2 / E3 with inertia-matched reducer packages
Control Panels & Starters	DOL · star-delta (to ~25 HP) · VFD, PLC and MCC panels · contactors ~9–800 A
Temperature Controllers	Delta DTC DIN-rail modular · DTI4848 panel PID

Brand and model names above are the property of their respective owners. Anand Gears is an independent supplier and panel-builder, not an OEM or authorised distributor of any of the brands listed. Final model availability, lead-time and price are confirmed at the time of quotation. Specifications should be cross-checked against the manufacturer's official datasheet before placing the order.

Get a Quotation

Share power (kW), input speed, required output speed or ratio, duty cycle, mounting, and environment.

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