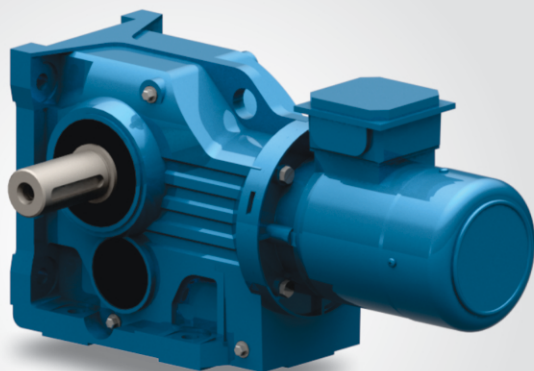




## AK SERIES

### » Helical Bevel Geared Motors



*The AK Series helical bevel geared motors are right angle drives with higher torque density and efficiency with a comparison to the worm gear. As a helical bevel gear has lower rolling friction they result in minimum heat and maximum energy saving. They also have a long maintenance-free service life and therefore can be used in every application with AC asynchronous motors, asynchronous and synchronous servomotors. A reduced backlash version is available for precise positioning tasks for K37 to K187.*

#### Technical Data Overview

Rated Torque	200 - 50,000 Nm
Transmission	$i = 3.98 \dots 32,625$
Power	0.12 - 225 kW
Translation Stage	3 - stage
Gear Type	37 - 187 (13 Sizes)
Type	AK

#### Input Mode:

- IEC connection flange , input hollow shaft,
- Servo motor adaptor
- Matric and British system solid input shaft

#### Output Mode:

- Solid shaft single or double extended
- Hollow shaft with keyed connection
- Hollow shaft with shrink disk
- Spline hollow shaft to DIN 5480

#### Main Options:

- IEC motor adapter
- Torque arm that attaches to bottom of gear unit
- Temperature and oil level sensors
- Force lubrication system

#### Mounting:

- Foot-mounted
- Flange-mounted, B5 or B14 flange.
- Shaft Mounting with torque arm,

#### » Input Option



Geared Tool



IEC Flange



Solid Input Shaft

#### » Output Option



Solid Shaft



Hollow Shaft



Solid Shaft With Flange



Hollow Shaft With Flange



**ADVANCED  
ENTERPRISES**



## AK SERIES

» Helical Bevel Geared Motors

TECHNICAL DATA							
Model	Input Shaft (mm)	Solid Shaft (mm)	Hollow Shaft (mm)	Power (KW)	Ratio	Max. Torque (Nm)	Weight (Kg)
AK 37	16	25	30	0.18 - 3.0	5.36 - 106.38	200	11
AK 47	19	30	35	0.18 - 3.0	5.81 - 131.87	400	20
AK 57	19	35	40	0.18 - 5.5	6.57 - 145.15	600	27
AK 67	19	40	40	0.18 - 5.5	7.14 - 144.79	820	33
AK 77	24	50	50	0.37 - 11	7.22 - 192.18	1500	57
AK 87	28	60	60	0.75 - 22	7.19 - 197.27	2770	85
AK 97	38	70	70	1.3 - 30	8.95 - 175.47	4300	130
AK 107	42	90	90	3 - 4.5	8.74 - 141.93	8000	250
AK 127	55	110	100	7.5 - 90	8.68 - 146.07	13000	380
AK 157	70	120	120	11 - 160	12.66 - 150.03	18000	610
AK 167	70	160	140	11 - 200	17.35 - 164.44	32000	1015
AK 187	70	190	160	18.5 - 200	17.97 - 178.37	50000	1700

### ADVANCED ENTERPRISES

Industrial Gears & Gearbox Manufacturers

**Email :** [info@advancedenterprises.in](mailto:info@advancedenterprises.in), **Website :** [www.advancedenterprises.in](http://www.advancedenterprises.in)