

MOTOX Geared Motors

Bevel helical geared motors

Orientation

Overview (continued)

Bevel helical gearboxes are designated as follows:

Gearbox type:

(-)	Bevel helical gearbox
B	2-stage
K	3-stage
Transmission stage	(-) Unspecified

Type:

Shaft	(-) Solid shaft
	A Hollow shaft
Mounting	(-) Foot-mounted design
	F Flange-mounted design (A-type)
	Z Housing flange (C-type)
	D Torque arm
	G Flange (A-type) on opposite side to output shaft
	M Agitator / mixer flange
	E Extruder flange
Connections	(-) Feather key
	S Shrink disk
	T Hollow shaft with splined shaft
Special features	W Reduced-backlash version
Backstop	X Backstop in intermediate stage

Type of intermediate gearbox

(-)	Helical gearbox
Transmission stage	Z 2-stage
	D 3-stage

Input unit

K2	Coupling lantern with flexible coupling for connecting an IEC motor
K2TC	Coupling lantern with flexible coupling for connecting a NEMA motor ¹⁾
K4	Short coupling lantern with clamp connection for connecting an IEC motor
K5	Short coupling lantern with clamp connection for connecting a NEMA motor ¹⁾
KQ	Lantern for servomotor with feather key and with zero-backlash flexible coupling for connecting a servomotor
KQS	Lantern for servomotor without feather key and with zero-backlash flexible coupling for connecting a servomotor
A	Input unit with free input shaft
A5	Input unit with free input shaft (NEMA design) ¹⁾
P	Input unit with free input shaft and piggy back for connecting an IEC motor
P5	Input unit with free input shaft and piggy back for connecting a NEMA motor ¹⁾
PS	Input unit with free input shaft and piggy back with protection cover

Example:

	K F X 108 - Z 38 - K4 (100)
Gearbox type	
Type	
Backstop	
Size	
Type interm. gearbox	
Size	
Input unit	
(for motor size)	

The series currently comprises 10 gearbox sizes.

Type K bevel helical gearboxes are available in a 3-stage version, type B in a 2-stage version.

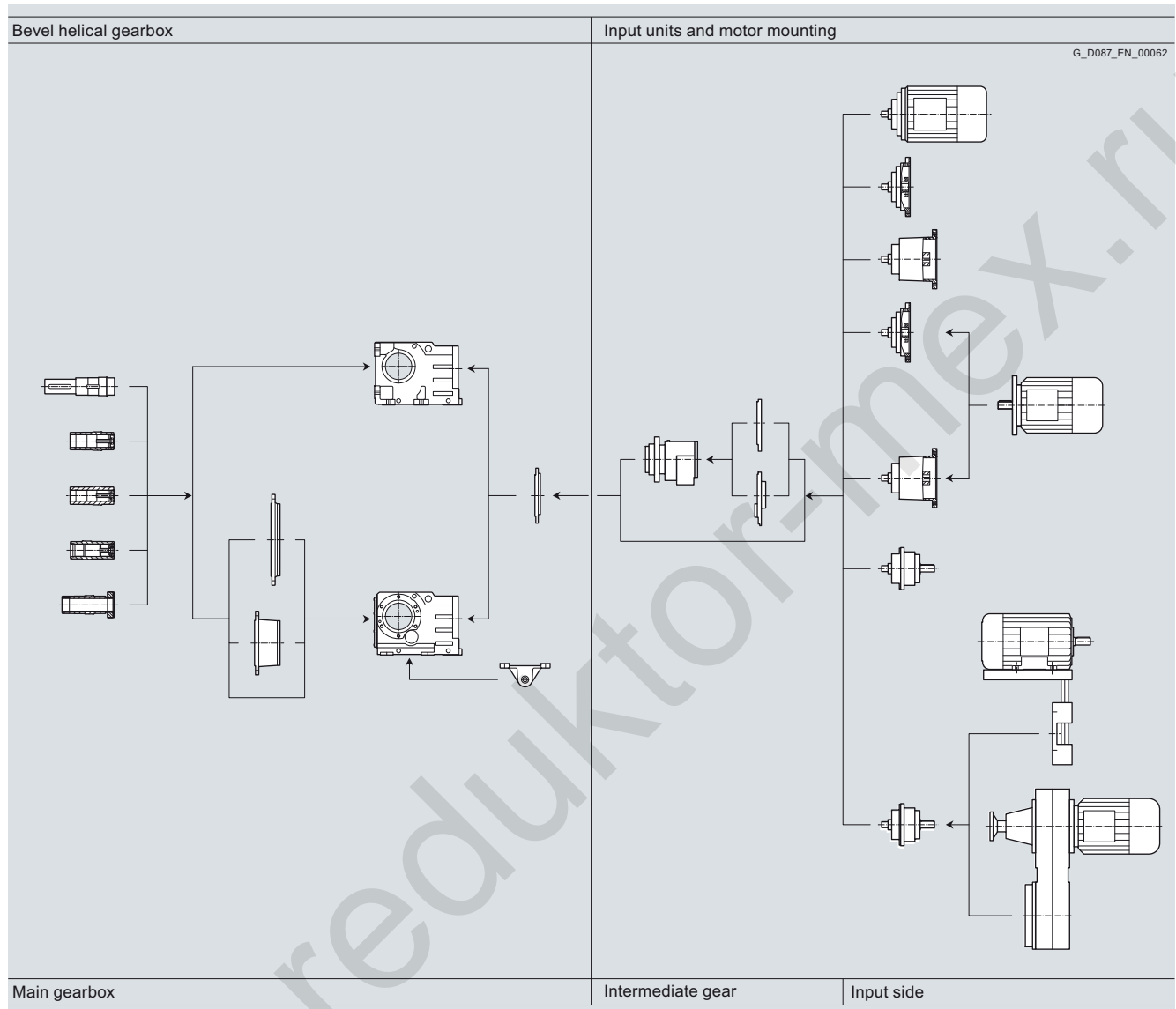
¹⁾ These designs can be selected from our MOTOX Configurator electronic catalog.

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General technical data

Modular system



Use

The MOTOX bevel helical gearbox series can be supplied in foot-mounted or flange-mounted design for mounting in any position.

The gearboxes are available in a solid-shaft or hollow-shaft design with a feather key connection, shrink disk connection, or splined shaft.

Oil quantities

The oil quantities corresponding to the applicable mounting positions are specified in the operating instructions and on the rating plate.