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Type Designations

Significance of type designation

BG-series helical-geared motor

BF-series shaft-mounted geared motor

BK-series bevel-geared motor

BS-series worm-geared motor

Description of the Designs

General Description

Type Designations

Significance of type designation

Bauer bevel-gear motor with brake and standard add-ons

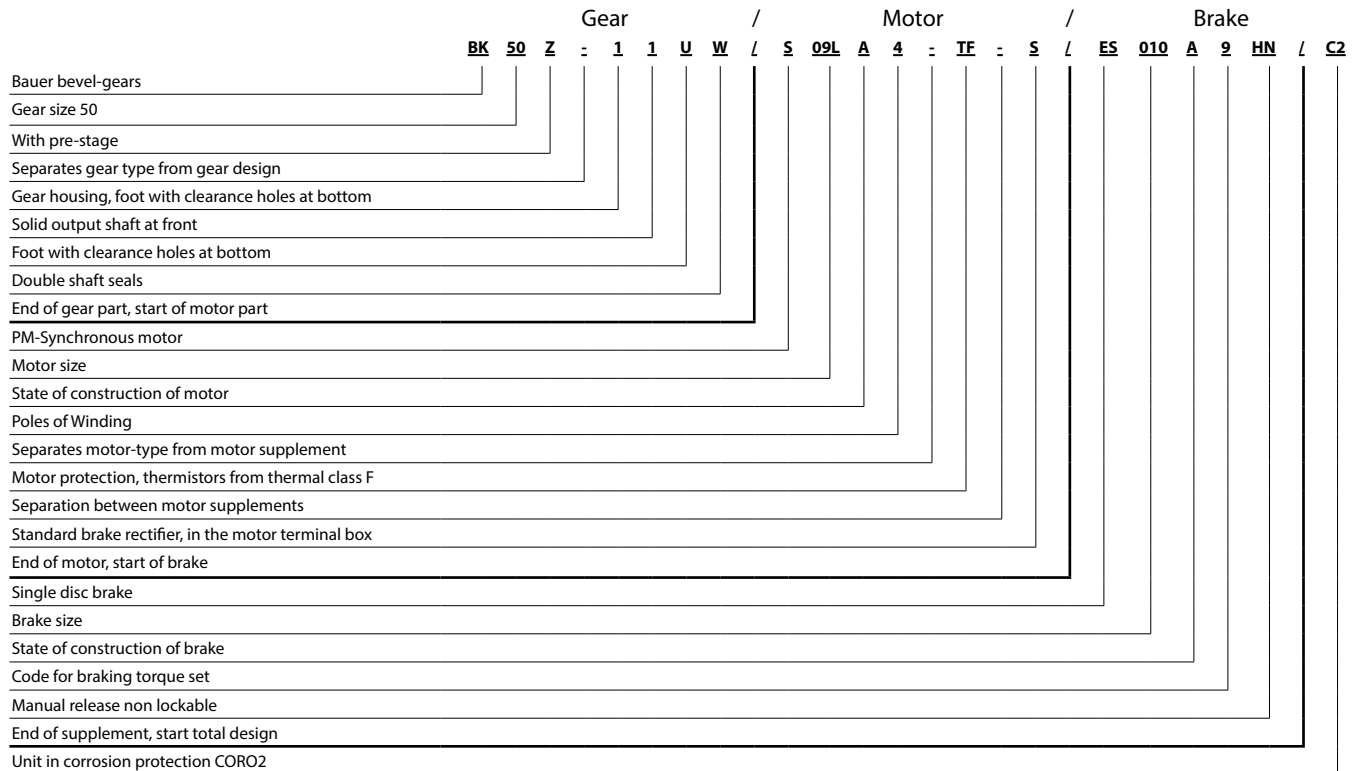
Example: Bauer bevel-gear motor with brake and standard add-ons

Significance of type designation

The type designation of a BAUER geared motor is a code designating all the features in the drive configuration.

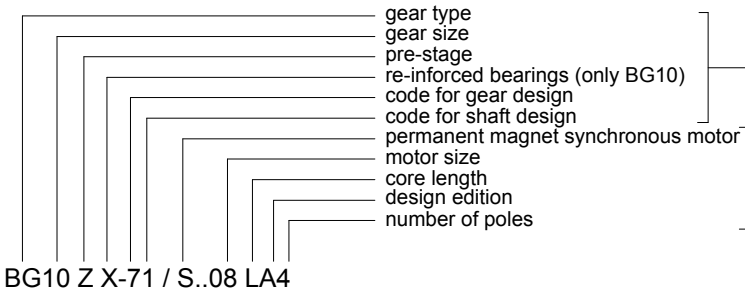
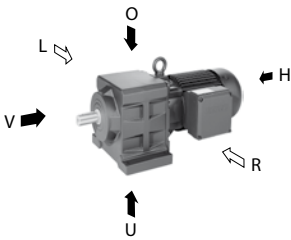
The build-up of the type designation is explained with the help of the following example of a bevel geared motor with brake and series options.

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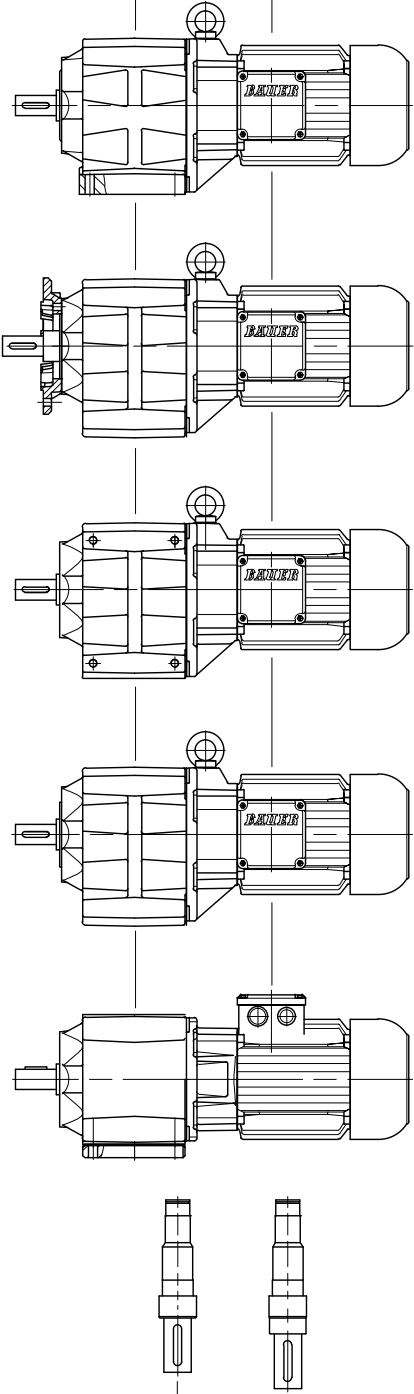


Type Designations

BG-series helical-gear motor



- Z- gear with pre-stage
- G- tandem gear
- 1 foot with through holes
- 2 small A-flange with through holes
- 3 standard A-flange with through holes
- 4 large A-flange with through holes
- 6 . L foot with threaded holes, left
- 6 . R foot with threaded holes, right
- 6 . LR foot with threaded holes, left and right
- 7 C-flange with threaded holes
- 8 completely machined
- 9 . L footplate, left
- 9 . R footplate, right
- 9 . LR footplate, left and right

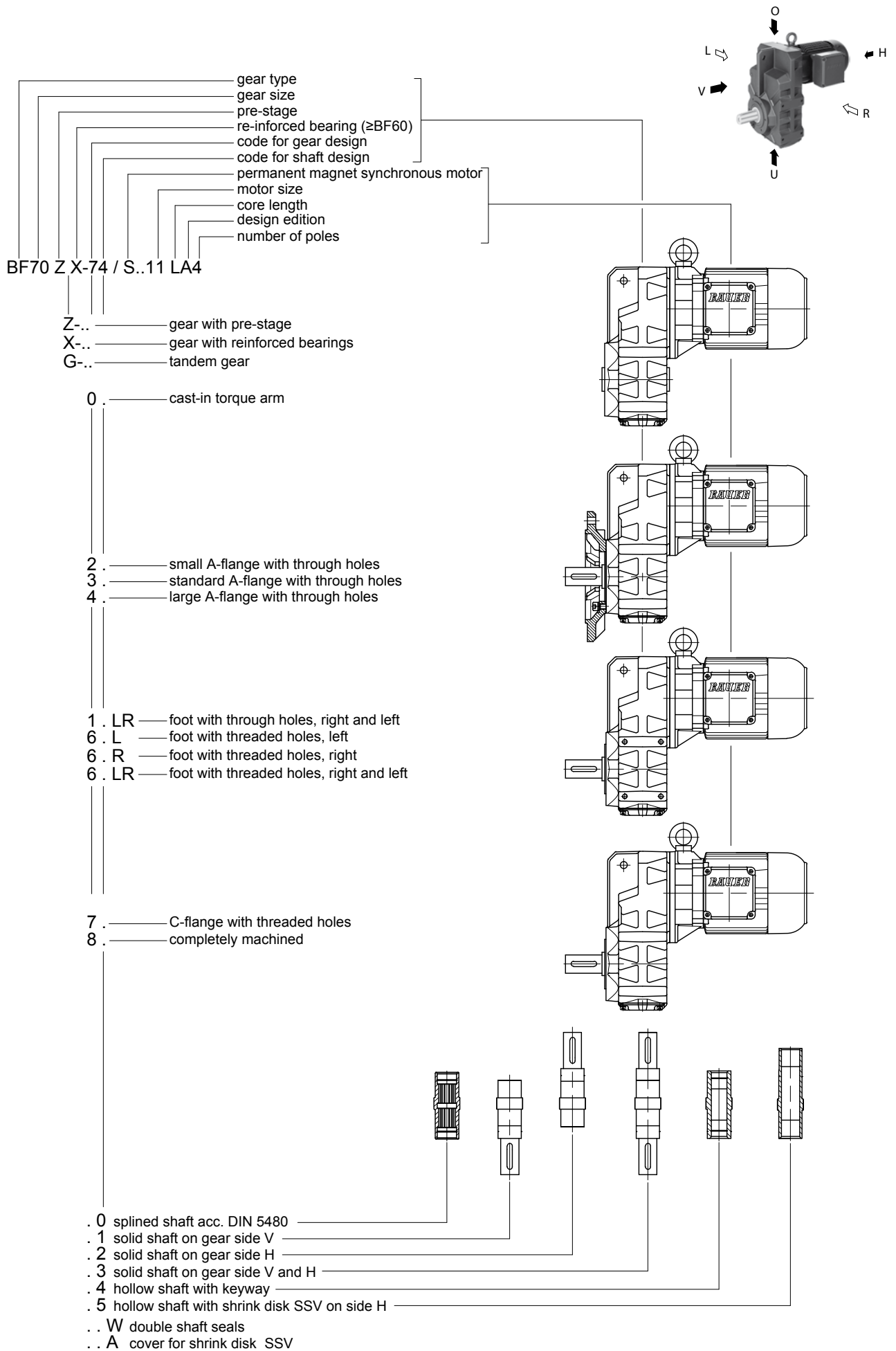


- . 1 solid shaft on gear side V
- . 7 solid shaft on gear side V for flange as from BG10
- . . W double shaft seals

Type Designations

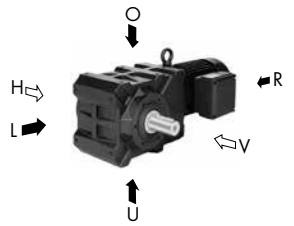
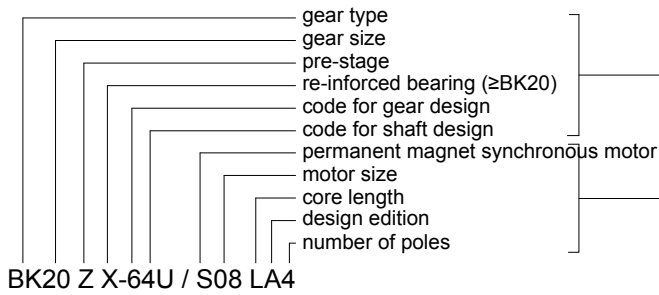
BF-series shaft-mounted geared motor

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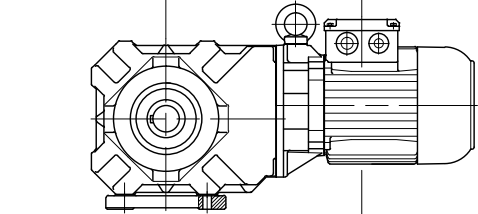
Type Designations

BK-series bevel-gear motor

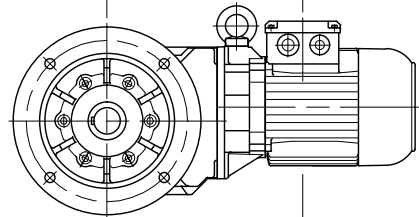


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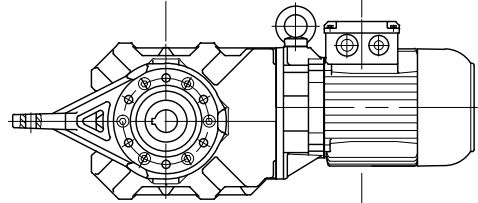
- 1 . U — foot with through holes, bottom
- 1 . L — foot with through holes, left
- 1 . O — foot with through holes, top



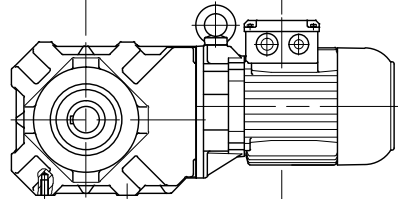
- 2 . V — small A-flange with through holes, front
- 3 . V — standard A-flange with through holes, front
- 4 . V — large A-flange with through holes, front
- . . H — A-flange, rear
- . . VH — A-flange, front and rear



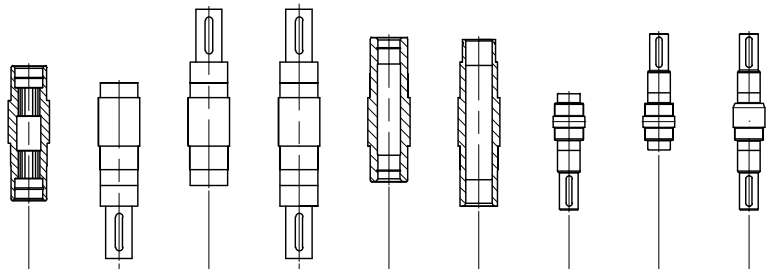
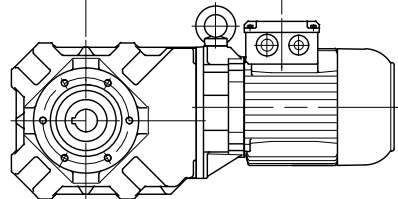
- 5 . V — torque arm, front
- 5 . VL — torque arm, front to left
- 5 . VO — torque arm, front to top
- 5 . VU — torque arm, front to bottom
- 5 . HL — torque arm, rear to left
- 5 . HO — torque arm, rear to top
- 5 . HU — torque arm, rear to bottom



- 6 . U — foot with threaded holes, bottom
- 6 . L — foot with threaded holes, left
- 6 . O — foot with threaded holes, top



- 7 . V — C-flange with threaded holes, front
- 7 . H — C-flange with threaded holes, rear
- 7 . VH — C-flange with threaded holes, front and rear
- 8 . — completely machined

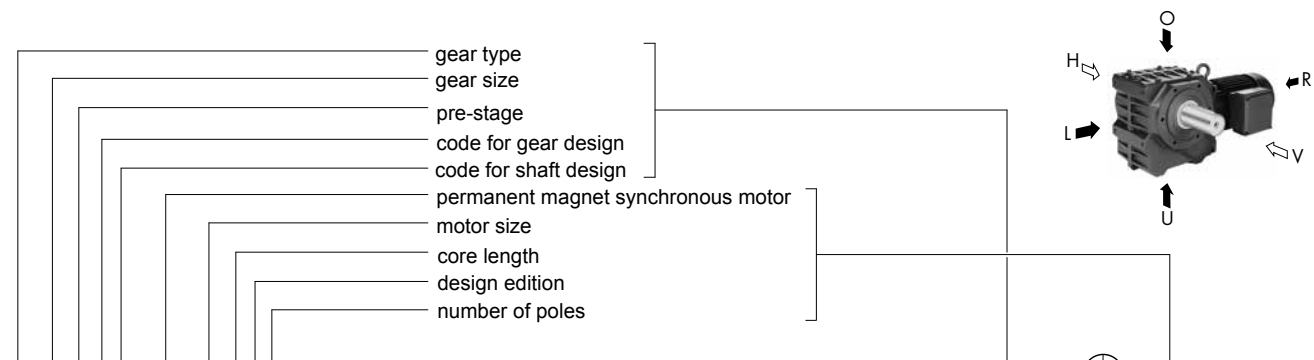


- . 0 Splined shaft acc. DIN 5480
- . 1 solid shaft on gear side V
- . 2 solid shaft on gear side H
- . 3 solid shaft on gear side V and H
- . 4 hollow shaft with keyway
- . 5 hollow shaft with shrink disk SSV on gear side H
- . 7 solid shaft at gear side V for flange (only BK06)
- . 8 solid shaft at gear side H for flange (only BK06)
- . 9 solid shaft at gear side V and H for flange (only BK06)
- . . W double shaft seals
- . . A cover for shrink disk SSV

Type Designations

BS-series worm-geared motor

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BS40 Z-64U/ S..08 LA4

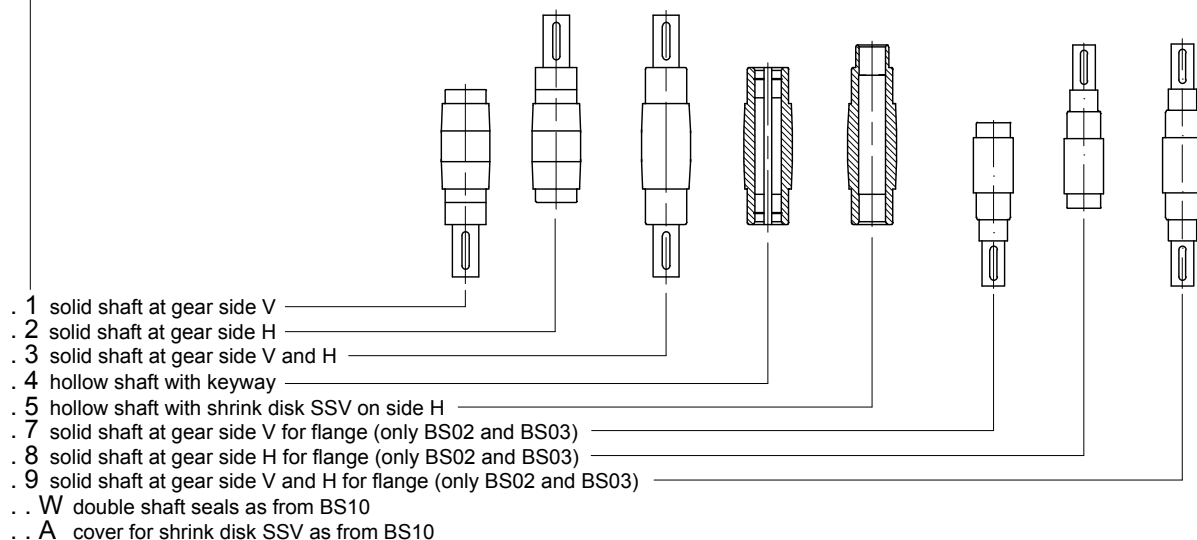
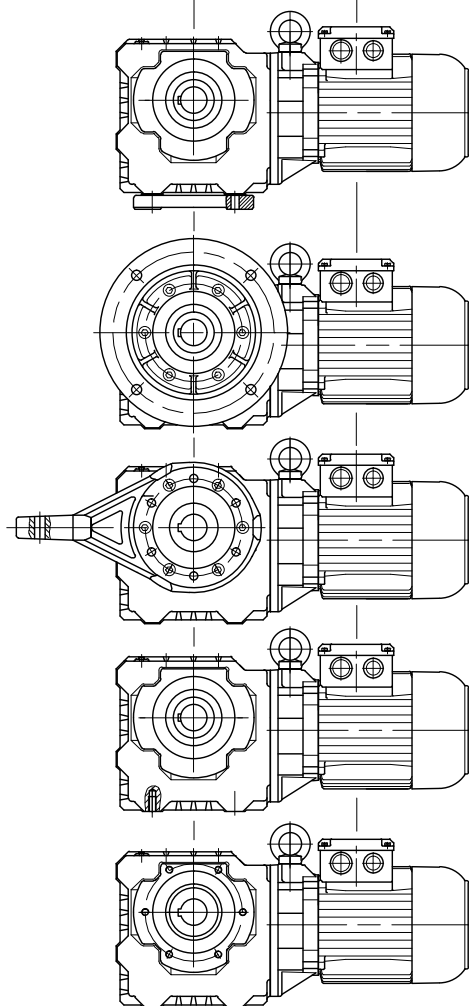
- 1 . U ———— foot with through holes, bottom
- 1 . L ———— foot with through holes, left
- 1 . O ———— foot with through holes, top

- 2 . V ———— small A-Flange with through holes, front
- 3 . V ———— standard A-Flange with through holes, front
- 4 . V ———— large A-Flange with through holes, front
- .. H ———— A-flange, rear (standard flange)
- .. VH ———— A-flange, front and rear (standard flange)

- 5 . V ———— torque arm, front
- 5 . VL ———— torque arm, front to left
- 5 . VO ———— torque arm, front to top
- 5 . VU ———— torque arm, front to bottom
- 5 . HL ———— torque arm, rear to left
- 5 . HO ———— torque arm, rear to top
- 5 . HU ———— torque arm, rear to bottom

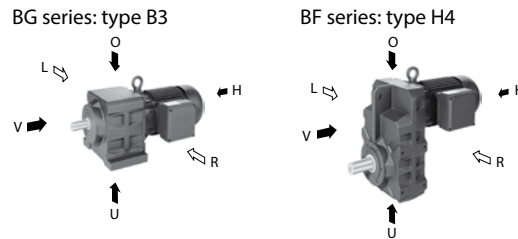
- 6 . U ———— foot with threaded holes, bottom
- 6 . L ———— foot with threaded holes, left
- 6 . O ———— foot with threaded holes, top

- 7 . V ———— C-flange with threaded holes, front
- 7 . H ———— C-flange with threaded holes, rear
- 7 . VH ———— C-flange with threaded holes, front and rear
- 8 . ———— completely machined



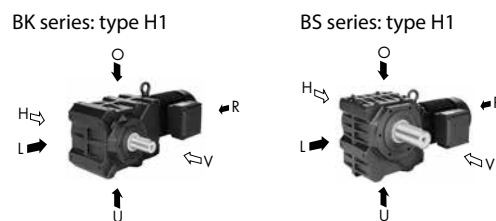
- . 1 solid shaft at gear side V
- . 2 solid shaft at gear side H
- . 3 solid shaft at gear side V and H
- . 4 hollow shaft with keyway
- . 5 hollow shaft with shrink disk SSV on side H
- . 7 solid shaft at gear side V for flange (only BS02 and BS03)
- . 8 solid shaft at gear side H for flange (only BS02 and BS03)
- . 9 solid shaft at gear side V and H for flange (only BS02 and BS03)
- .. W double shaft seals as from BS10
- .. A cover for shrink disk SSV as from BS10

BG and BF series



- V = Front
The side of the gear unit facing away from the motor or the source of motive power
- H = Rear
The side of the gear unit facing toward the motor or the source of motive power
- L = Left
The left side of the gear unit as viewed from the output shaft side of type B3 for the BG series or type H4 for the BF series
- R = Right
The right side of the gear unit as viewed from the output shaft side of type B3 for the BG series or type H4 for the BF series

BK and BS series

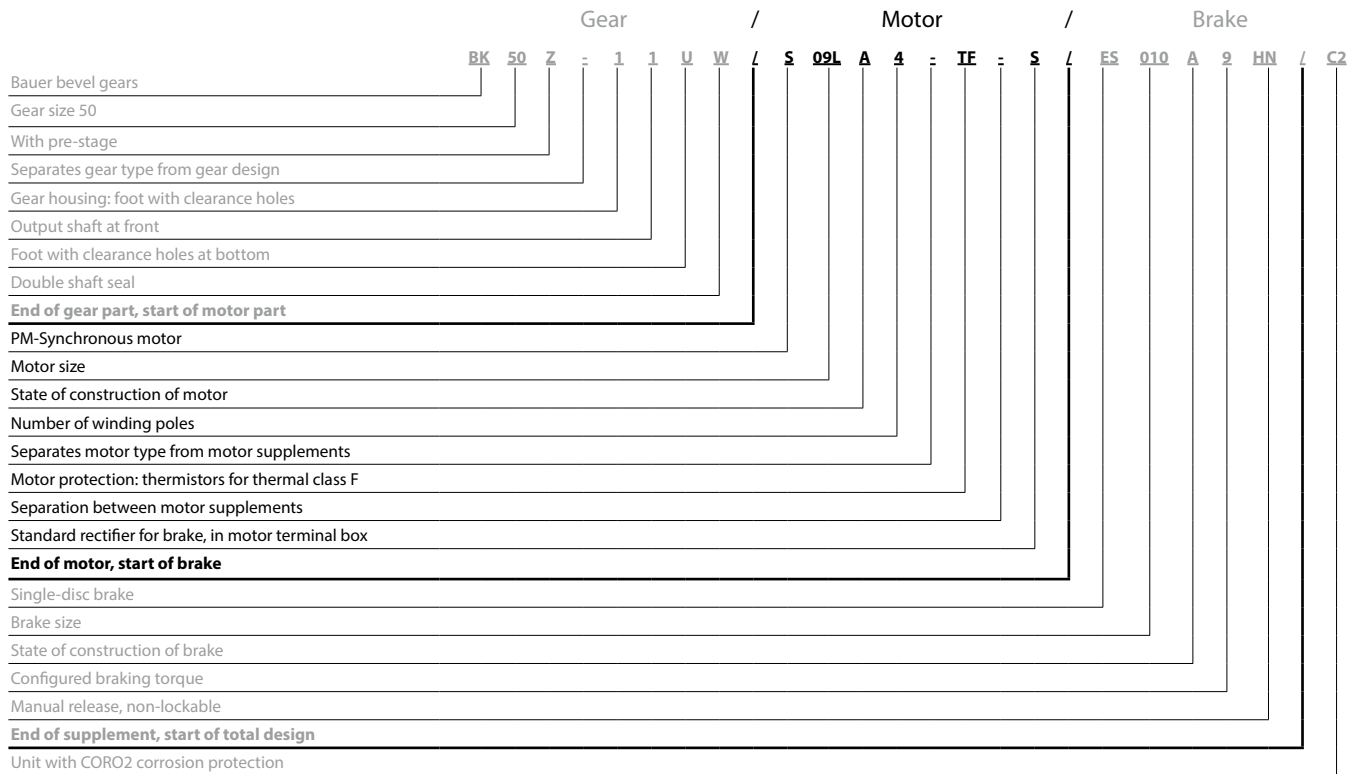


- V = Front
The side of the gear unit facing toward the viewer looking toward the type H1 unit
- H = Rear
The side of the gear unit facing away from the viewer looking toward the type H1 unit
- L = Links
The left side of the gear unit as viewed from the output shaft side of type H1, or the torque brace oriented to the left
- O = Top
The top side of the gear unit as viewed from the output shaft side of type H1, or the torque brace oriented upwards
- U = Bottom
The bottom side of the gear unit as viewed from the output shaft side of type H1, or the torque brace oriented downwards

Type Designations

General construction

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PM-Synchronous motor

S	=	PM-Synchronous motor
. A	=	Aseptic motor (germ-free drive)
. N	=	Motor without gear unit; foot-mount version
. NF	=	Motor without gear unit; flange-mount version
. U	=	Unventilated (no forced ventilation)

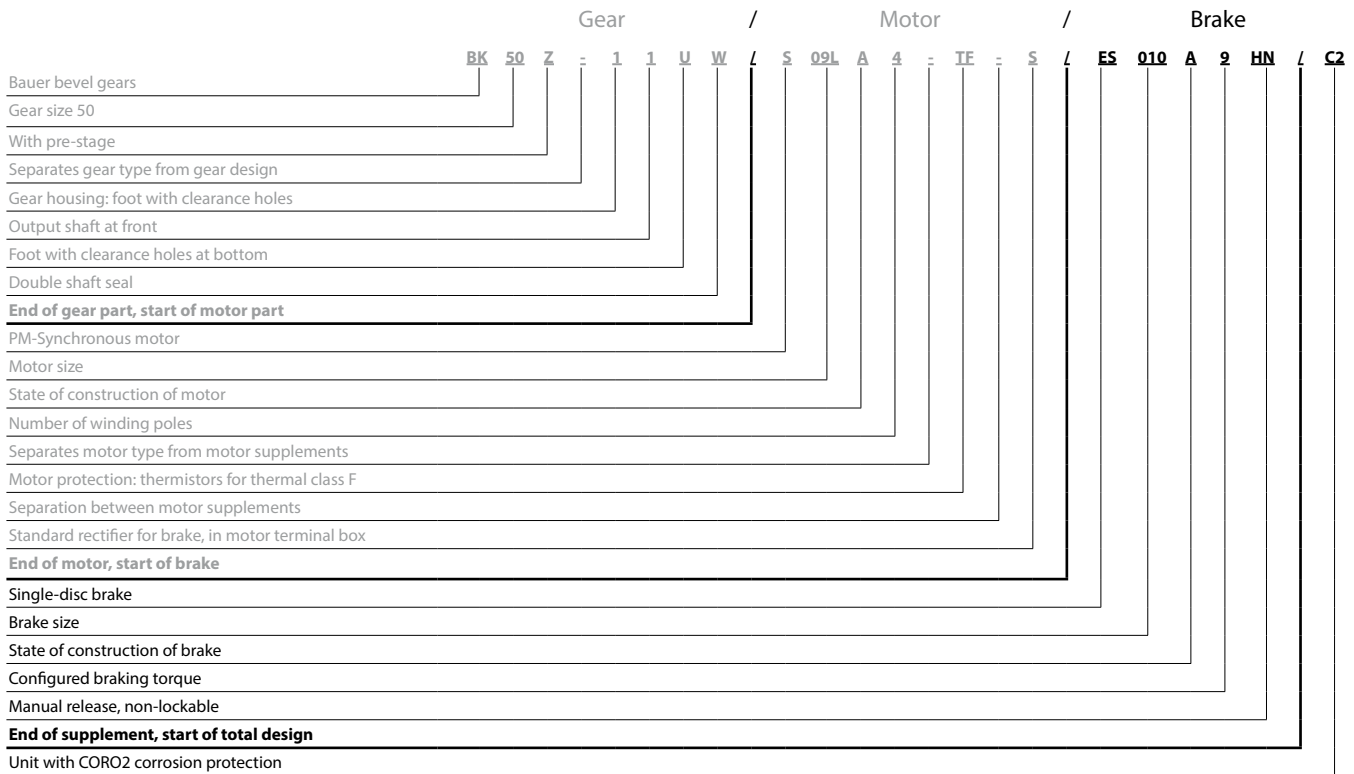
Motor protection

TB	=	Thermistor 140°
TF	=	Thermistor 160°
TH	=	Thermistor 180°
TEB	=	Thermistor warning/shutdown 120°/140°
TBF	=	Thermistor warning/shutdown 140°/160°
TFH	=	Thermistor warning/shutdown 160°/180°
TOB	=	Thermostatic switch, NC 140°
TOF	=	Thermostatic switch, NC 160°
TOH	=	Thermostatic switch, NC 180°
TSB	=	Thermostatic switch, NO 125°
TSF	=	Thermostatic switch, NO 160°
TSH	=	Thermostatic switch, NO 180°
TX	=	Other

Brake rectifier in motor terminal box

S	=	Standard rectifier	SG
E	=	Special rectifier	ESG
M	=	Special rectifier	MSG

Plug connector	ST	= Harting (other)
Heavy-duty fan	SL	
Protective cover	D	
CleanDrive™	CD	= Aseptic drive with cable



Brake

- E = Single-disc brake
- ES = Single-disc holding brake
- EH = Single-disc holding brake in heavy duty
- ZS = Two-disc holding brake
- ESX = Single-disc service brake
- EHX = Single-disc service brake in heavy duty version
- ZSX = Two-disc service brake
- ... 010 = Brake size
- A = Construction state
- 9 = Code for configured braking torque
- HN = Manual release (not lockable)
- HA = Manual release (lockable)

Digital and analogue encoder

G

Second shaft end

- ZW = With key
- ZV = With square shaft

Forced ventilation

FV

Overall design

- UL = US version
- C1 = Coro1 corrosion protection
- C2 = Coro2 corrosion protection
- C3 = Coro3 corrosion protection
- SP = Non-catalogue version

