		CE	
Gear Motor <small>Schneidwerk 31.08073</small>			
G-Motor		Year	
Type			
Gear	HP	kW	Con
Motor	Rpm		Hz
COS			A
PINTS			
Insul. Cl.	IP	IM	

Page

Type Designations

19-28

Significance of type designation

BG-series helical-gear motor

BF-series shaft-mounted geared motor

BK-series bevel-gear motor

BS-series worm-gear motor

Codes for gear options

Motor & Motor options

Type Designations

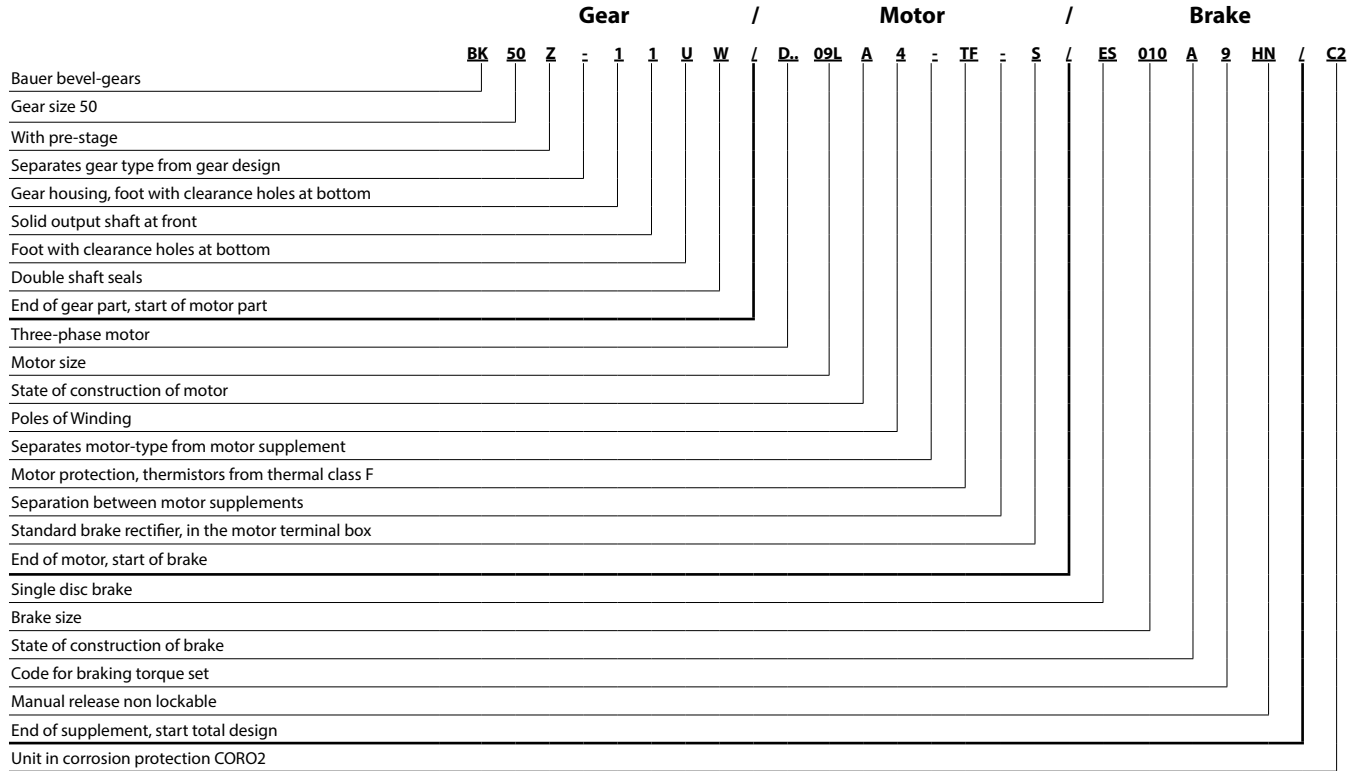
Significance of type designation

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

Significance of type designation

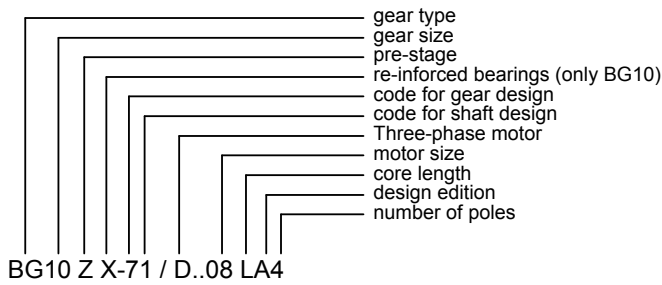
The type designation of a BAUER geared motor is a code designating of almost all features in the drive configuration.

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.



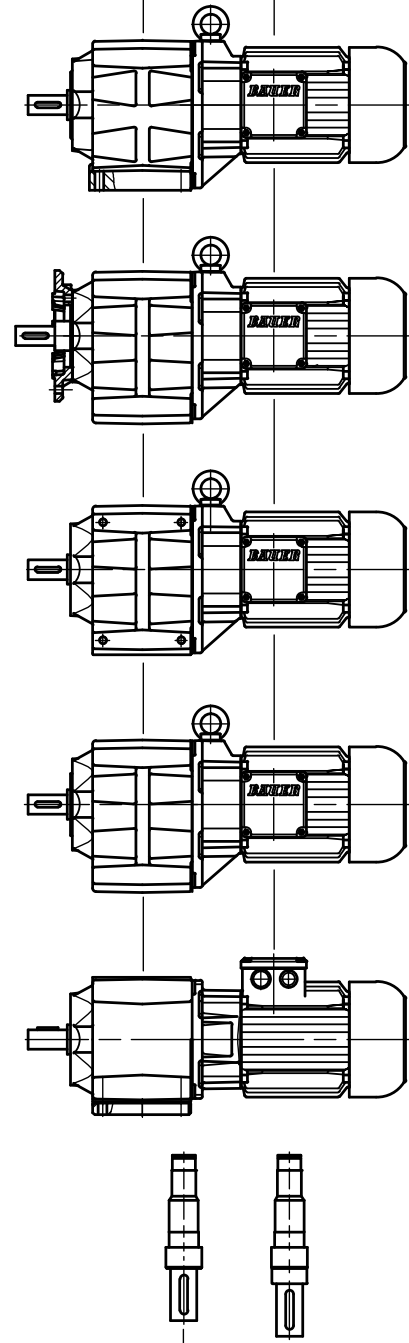
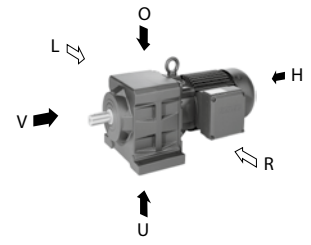
Type Designations

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

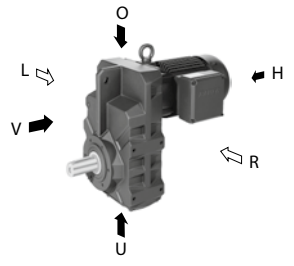
- . 1 solid shaft on gear side V
- . 7 solid shaft on gear side V for flange as from BG10
- . . W double shaft seals



Type Designations

BF-series shaft-mounted geared motor

3



gear type
 gear size
 pre-stage
 re-inforced bearing (≥BF60)
 code for gear design
 code for shaft design
 Three-phase motor
 motor size
 core length
 design edition
 number of poles

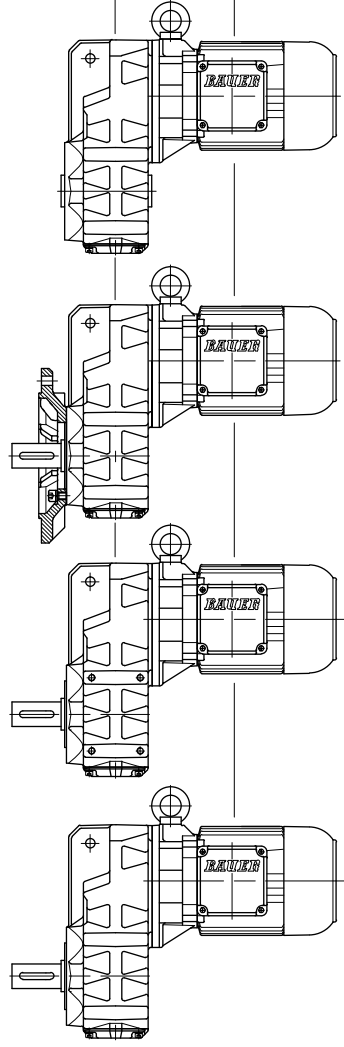
BF70 Z X-74 / D..11 LA4

Z... gear with pre-stage
 X... gear with reinforced bearings
 G... tandem gear
 0 . cast-in torque arm

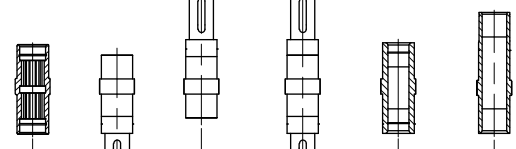
2 . small A-flange with through holes
 3 . standard A-flange with through holes
 4 . large A-flange with through holes

1 . LR — foot with through holes, right and left
 6 . L — foot with threaded holes, left
 6 . R — foot with threaded holes, right
 6 . LR — foot with threaded holes, right and left

7 . C-flange with threaded holes
 8 . completely machined

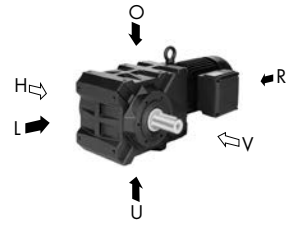


. 0 splined shaft acc. DIN 5480
 . 1 solid shaft on gear side V
 . 2 solid shaft on gear side H
 . 3 solid shaft on gear side V and H
 . 4 hollow shaft with keyway
 . 5 hollow shaft with shrink disk SSV on side H
 . . W double shaft seals
 . . A cover for shrink disk SSV



Type Designations

BK-series bevel-gear motor



3

gear type
 gear size
 pre-stage
 re-reinforced bearing (≥BK20)
 code for gear design
 code for shaft design
 Three-phase motor
 motor size
 core length
 design edition
 number of poles

BK20 Z X-64U / D06 LA4

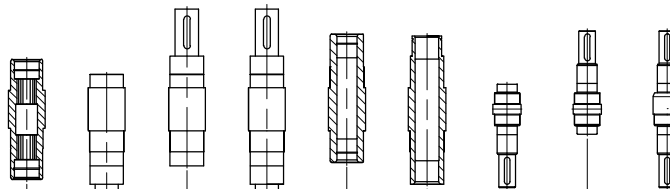
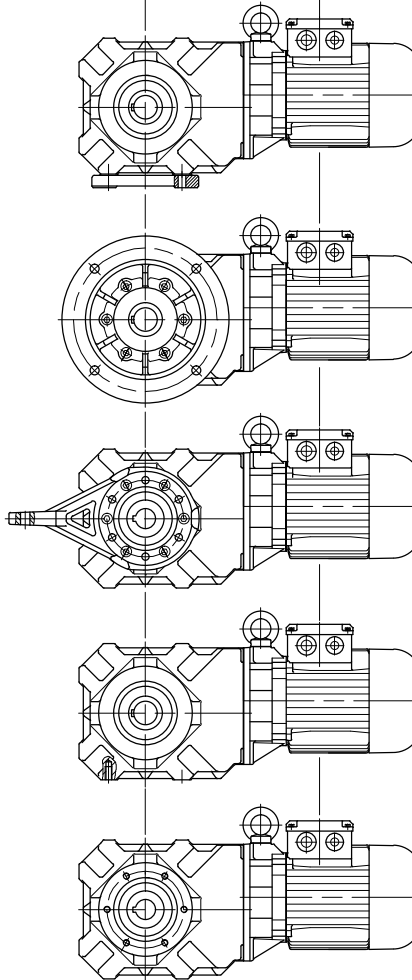
- 1 . U ——— foot with through holes, bottom
- 1 . L ——— foot with through holes, left
- 1 . O ——— foot with through holes, top

- 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
- .. 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

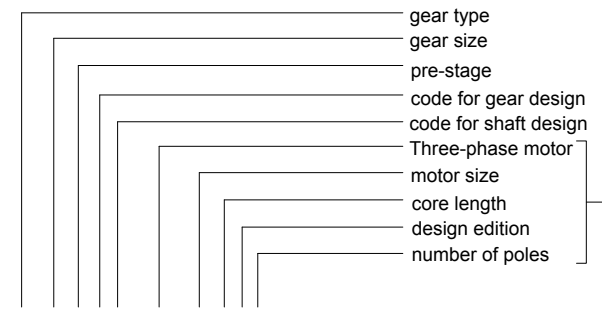
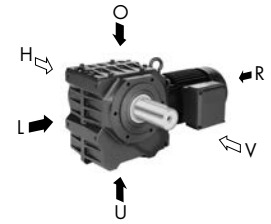


- . 0 Splined shaft acc. DIN 5480
- . 1 solid shaft on gear side V
- . 2 solid shaft on gear side H
- . 3 solid shaft on gear side V and H
- . 4 hollow shaft with keyway
- . 5 hollow shaft with shrink disk SSV on gear side H
- . 7 solid shaft at gear side V for flange (only BK06)
- . 8 solid shaft at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

3



BS40 Z-64U/ D..08 LA4

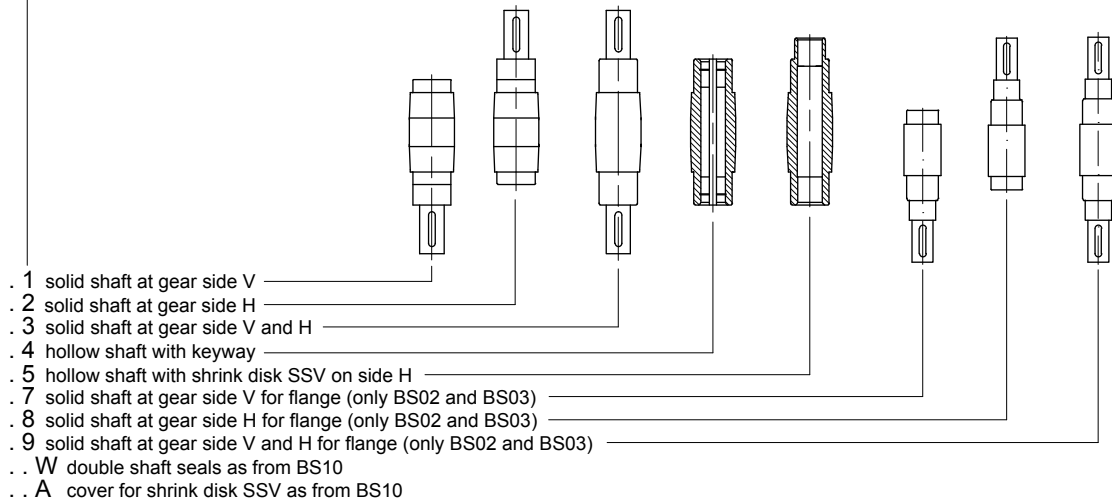
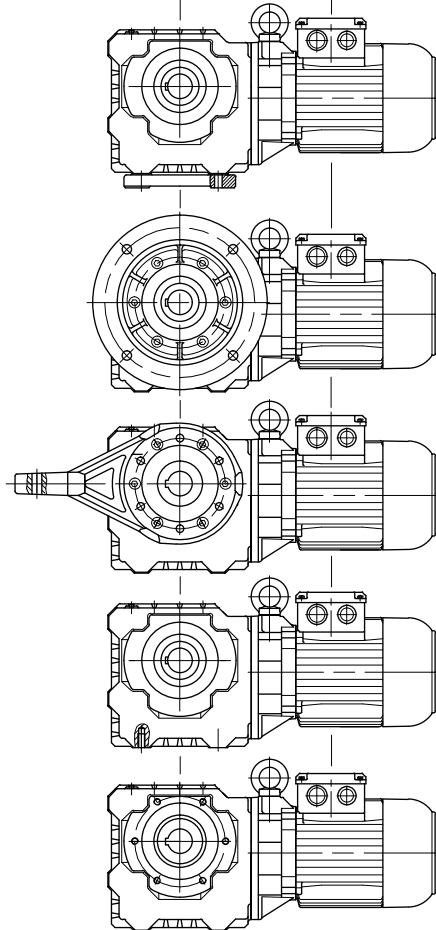
- 1 . U ———— foot with through holes, bottom
- 1 . L ———— foot with through holes, left
- 1 . O ———— foot with through holes, top

- 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

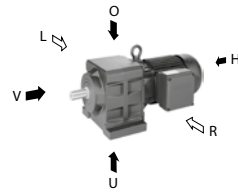
- 7 . V ———— C-flange with threaded holes, front
- 7 . H ———— C-flange with threaded holes, rear
- 7 . VH ———— C-flange with threaded holes, front and rear
- 8 . ———— completely machined



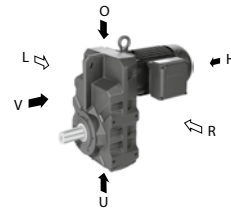
- . 1 solid shaft at gear side V
- . 2 solid shaft at gear side H
- . 3 solid shaft at gear side V and H
- . 4 hollow shaft with keyway
- . 5 hollow shaft with shrink disk SSV on side H
- . 7 solid shaft at gear side V for flange (only BS02 and BS03)
- . 8 solid shaft at gear side H for flange (only 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

BG series: mounting position B3



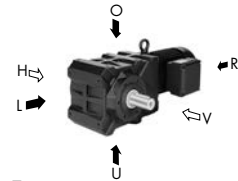
BF series: mounting position H4



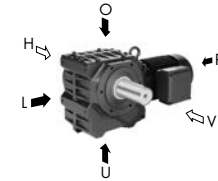
- V = Front
The side of the gear unit facing away from the motor or the source of motive power
- H = Rear
The side of the gear unit facing toward the motor or the source of motive power
- L = Left
The left side of the gear unit as viewed from the output shaft side of mounting position B3 for the BG series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

BK and BS series

BK series: mounting position H1



BS series: mounting position H1

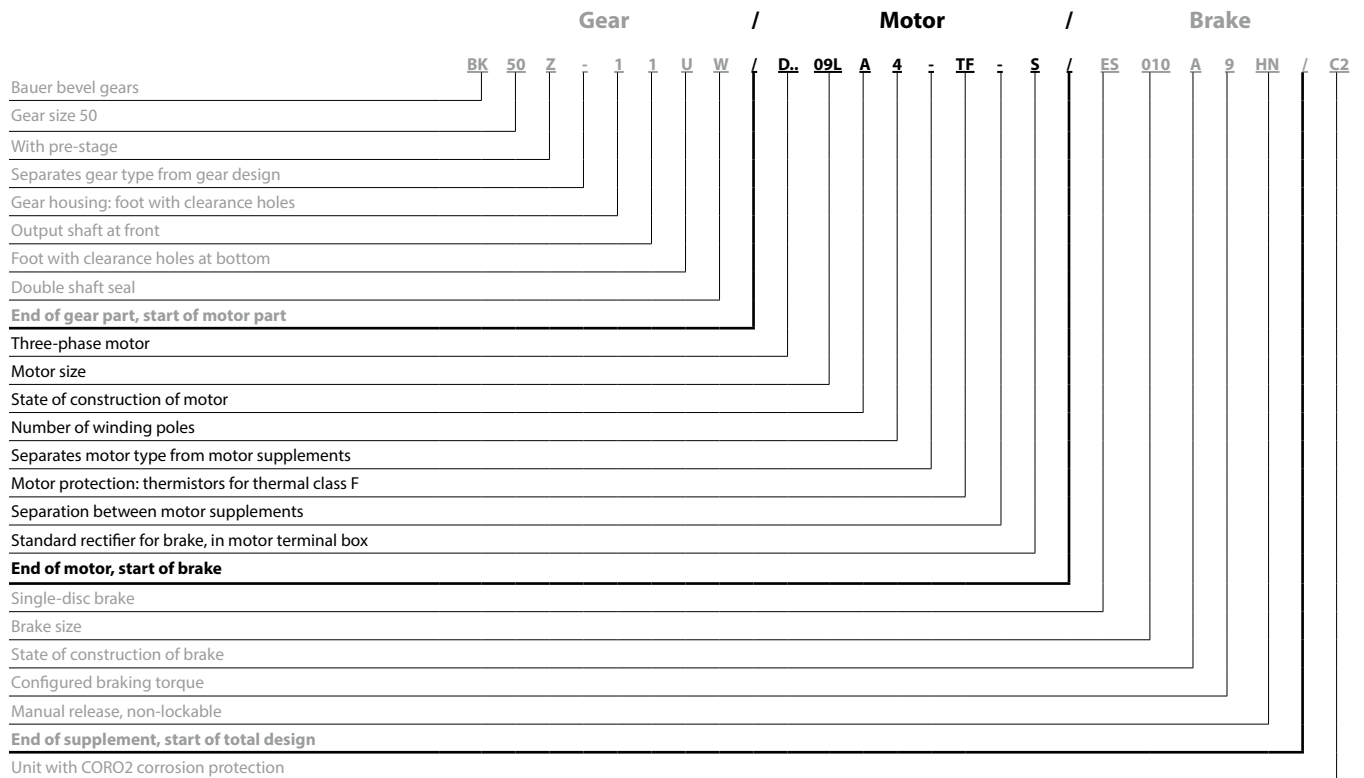


- V = Front
The side of the gear unit facing toward the viewer looking toward the unit - mounting position H1
- H = Rear
The side of the gear unit facing away from the viewer looking toward the unit - mounting position H1
- L = Links
The left side of the gear unit as viewed from the output shaft side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

Type Designations

Motor & Motor options

3



Three-phase motor

D	=	Three-phase motor
E	=	Single-phase motor (Steinmetz circuit)
S	=	PM-Synchronous motor
. A	=	Aseptic motor (germ-free drive)
. SE	=	Three-phase motor with enhanced efficiency compliant with IE1
. HE	=	Three-phase motor with enhanced efficiency compliant with IE2
. PE	=	Three-phase motor with enhanced efficiency compliant with IE3
. N	=	Motor without gear unit; foot-mount version
. NF	=	Motor without gear unit; flange-mount version
. R	=	Roller table motor
. XE	=	Explosion-proof motor with increased safety
. XD	=	Explosion-proof motors
. W	=	Torque motor
. L	=	Special rotor for traction and slewing gear motors
. C	=	With main and auxiliary windings; only with single-phase motors (EC....)
. V	=	Multiple voltage ranges (wide voltage range)
. 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
ST	=	Harting (other)	

Plug connector

SL

Heavy-duty fan

D

Protective cover

CD

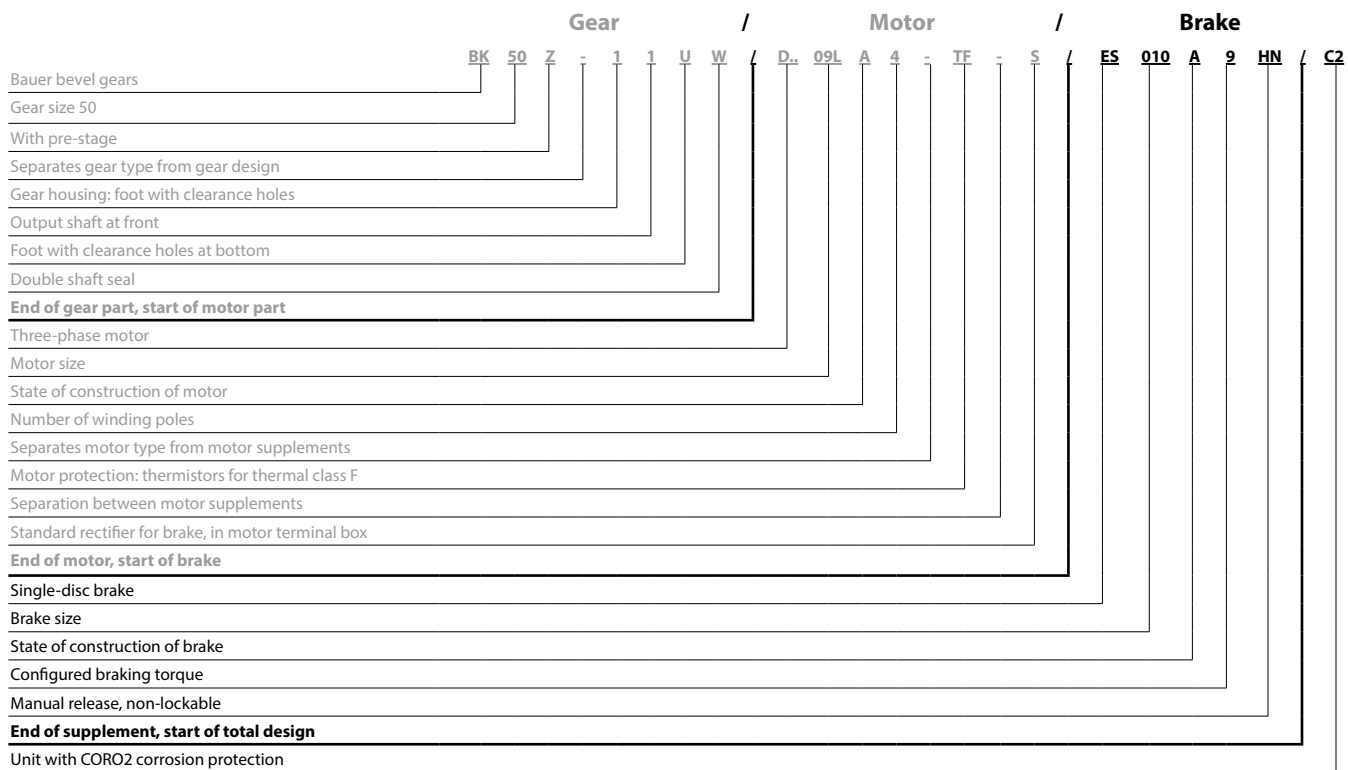
CleanDrive

= Aseptic drive with cable

Type Designations

Motor & Motor options

3



Brake

E	= Single-disc brake
ES	= Single-disc holding brake
EH	= Single-disc holding brake in heavy duty version
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)

Reverse rotation block

RR	= Blocking direction clockwise
RL	= Blocking direction anticlockwise

Digital and analogue encoder

G

Second shaft end

ZW	= With key
ZV	= With square shaft

Forced ventilation

FV

Overall design

AV	= USA/Canada version with shaft dimensions in inches
AM	= USA/Canada version with metric shaft dimensions
UL	= US version
CS	= Canadian version
C1	= Coro1 corrosion protection
C2	= Coro2 corrosion protection
C3	= Coro3 corrosion protection
SP	= Non-catalog version

