Energy Efficient Geared Motors

AC Variable Speed

Catalogue Edition 08/2021 EN

Bauer Gear Motor®

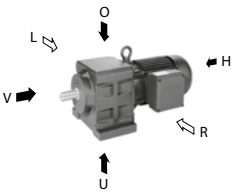
Altra Industrial Motion

Type Designations

BG-series helical-geared motor

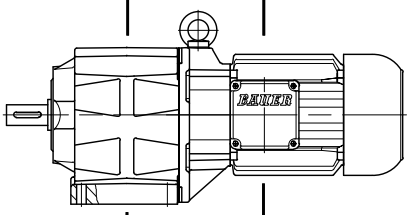
Gear type
Gear size
Pre-stage
Re-inforced bearings (only BG10)
Code for gear design
Code for shaft design
Three-phase motor
Motor size
Core lenght
Design edition
Number of poles

BG 10 Z X-71 / S..08 LA4

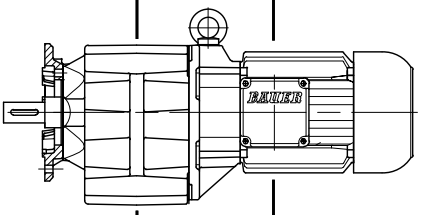


Z-. . Gear with pre-stage
G- . . Tandem gear

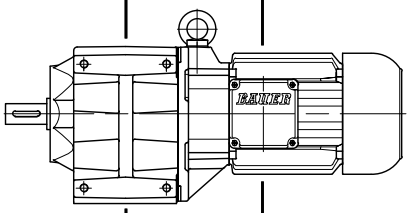
1 . Foot with clearance holes



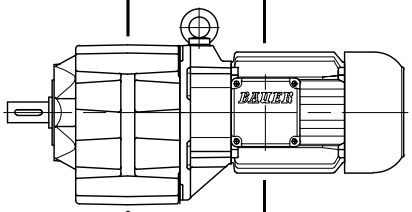
2 . Small A-flange with clearance holes
3 . Standard A-flange with clearance holes
4 . Large A-flange with clearance holes



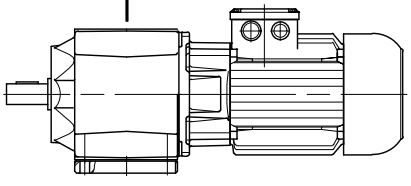
6 . L Foot with tapped holes, left
6 . R Foot with tapped holes, right
6 . LR Foot with tapped holes, left and right

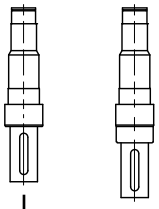


7 . C-flange with threaded holes
8 . Completely machined



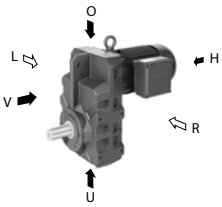
9 . L Foot plate, left
9 . R Footplate, right
9 . LR Footplate, left and right





. 1 Solid shaft on gear side V
. 7 Solid shaft on gear side V for flange as from BG10

.. W Double shaft seals



Gear type
Gear size
Pre-stage
Re-inforced bearing (≥BF60)
Code for gear design
Code for shaft design
Three-phase motor
Motor size
Core lenght
Design edition
Number of poles

BF 70 Z X-74 / S..11 LA4

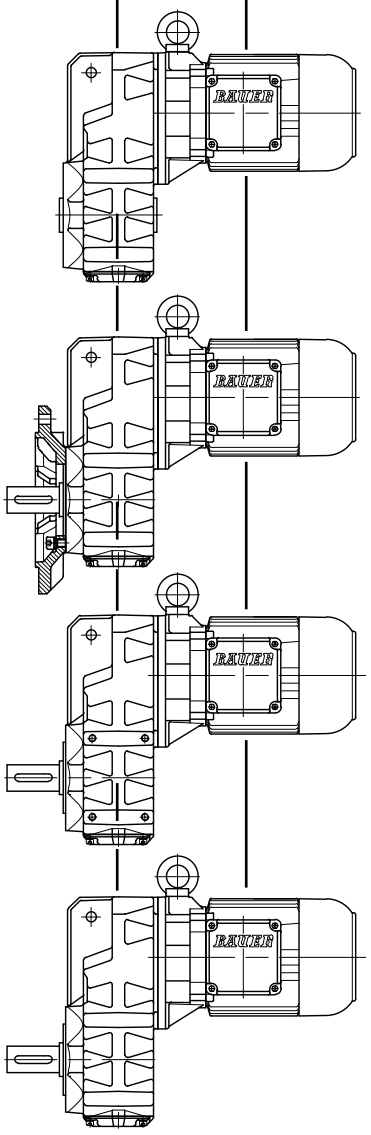
Z-. . — Gear with pre-stage
X- . . — Gear with re-inforced bearing
G-.. — Tandem gear

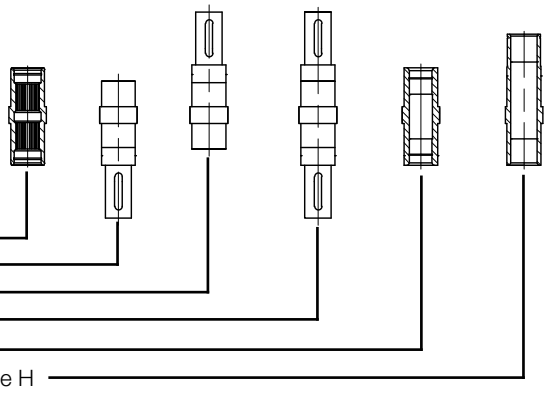
0 . — Cast-in torque arm

2 . — Small A-flange with clearance holes
3 . — Standard A-flange with clearance holes
4 . — Large A-flange with clearance holes

1 . LR — Foot with clearance holes left and right
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





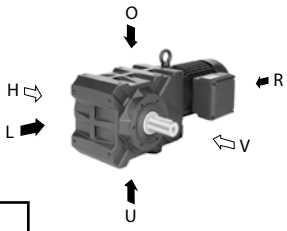
. 0 Splined shaft acc. DIN 5480
. 1 Solid shaft on gear side V
. 2 Solid shaft on gear side H
. 3 Solid shaft on gear side V und H
. 4 Hollow shaft with keyway
. 5 Hollow shaft for shrink disc SSV on gear side H
.. W Double shaft seals
.. A Cover for shrink disc SSV

Type Designations

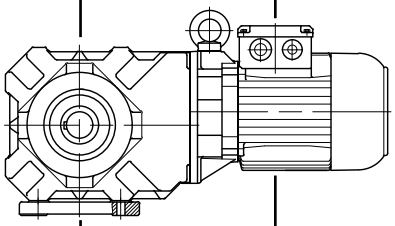
BK-series bevel-geared motor

BK 20 Z X-64 / S..06 LA 4

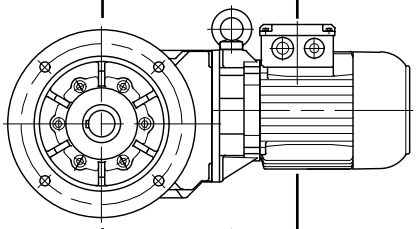
- Gear type
- Gear size
- Pre-stage
- Re-inforced bearings (only BK20)
- Code for gear design
- Code for shaft design
- Three-phase motor
- Motor size
- Core lenght
- Design edition
- Number of poles



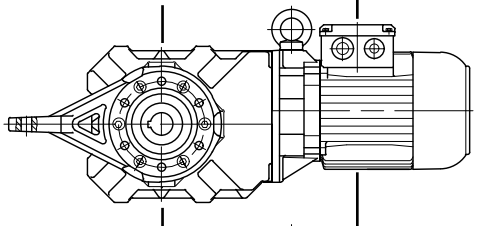
1 . U — Foot with clearance holes, bottom
1 . L — Foot with clearance holes, left
1 . O — Foot with clearance holes, top



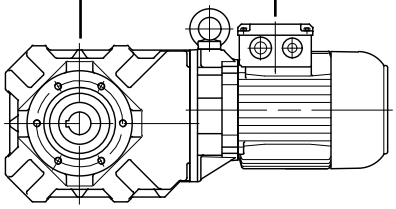
2 . V — small A-flange with clearance holes , front
3 . V — Standard A-flange with clearance holes, front
4 . V — large A-flange with clearance holes, front
. . H — A-flange, rear
. . VH — A-flange, front and rear



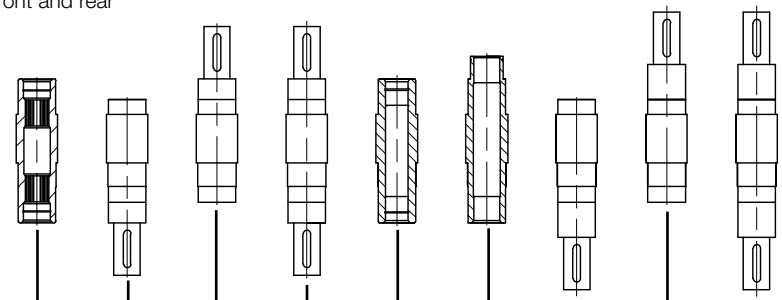
5 . V — Torque arm at front
5 . VL — Torque arm, front to left
5 . VO — Torque arm, front to top
5 . VU — Torque arm, front to bottom
5 . HL — Torque arm, rear to left
5 . HO — Torque arm, rear to top
5 . HU — Torque arm, rear to bottom



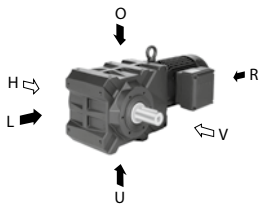
6 . U — Foot with threaded holes, bottom
6 . L — Foot with threaded holes, left
6 . O — Foot with threaded holes, top



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

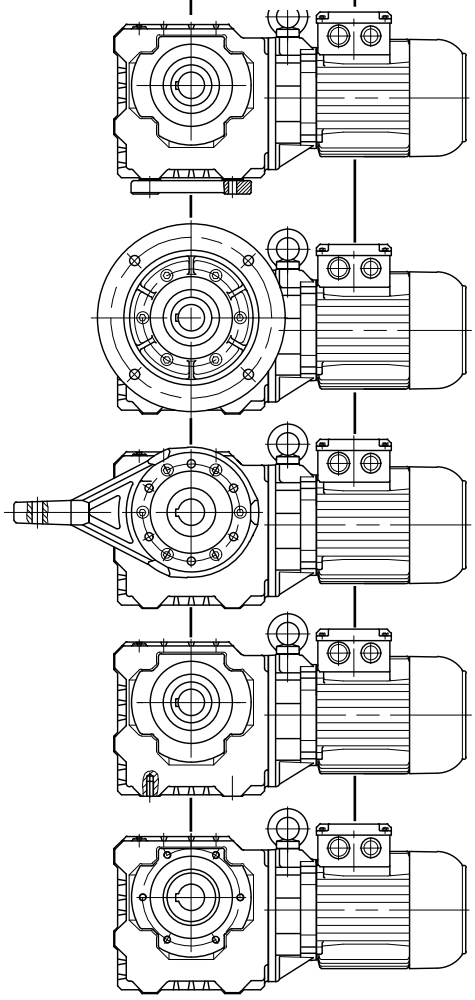


. 0 Splined shaft acc. DIN 5480
. 1 Solid shaft on gear side V
. 2 Solid shaft on gear side H
. 3 Solid shaft on gear side V and H
. 4 Hollow shaft with keyway
. 5 Hollow shaft for shrink disc SSV on gear side H
. 7 Solid shaft at gear side V for flange (only BK06)
. 8 Solid shaft at gear side H for flange (only BK06)
. 9 Solid shaft at gear side V and H for flange (only BK06)
. . W Double shaft seals
. . A Cover for shrink disc SSV



BS 20 Z X-64 / S..06 LA 4

- Gear type
- Gear size
- Pre-stage
- Code for gear design
- Code for shaft design
- Three-phase motor
- Motor size
- Core lenght
- Design edition
- Number of poles



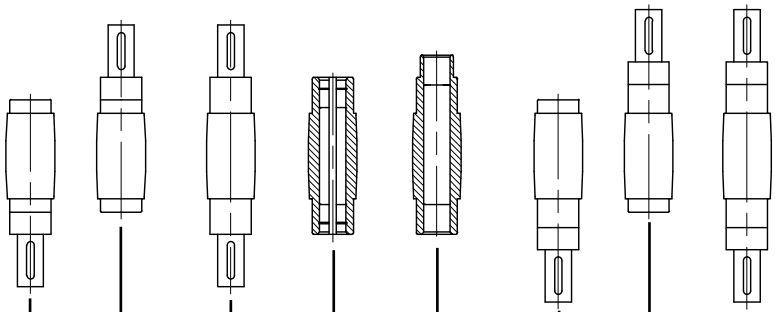
1 . U — Foot with clearance holes, bottom
1 . L — Foot with clearance holes, left
1 . O — Foot with clearance holes, top

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

5 . V — Torque arm at 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



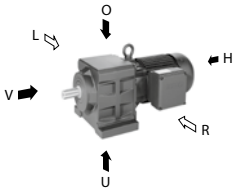
. 1 Solid shaft at gear side V
. 2 Solid shaft at gear side H
. 3 Solid shaft at gear side V and H
. 4 Hollow shaft with keyway
. 5 Hollow shaft for shrink disc SSV
. 7 Solid shaft at gear side V for flange (only BS02 and BS03)
. 8 Solid shaft at gear side H (only BS02 and BS03)
. 9 Solid shaft at gear side V and H (only BS02 and BS03
. . W Double shaft seals as from BS10
. . A Cover for shrink disc SSV as from BS10

Type Designations

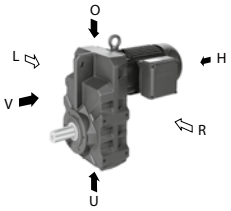
Versions and options

BG and BF series

BG series: type B3



BF series: type H4



V = Front
The side of the gear unit facing away from the motor or the source of motive power

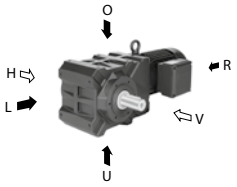
H = Rear
The side of the gear unit facing toward the motor or the source of motive power

L = Left
The left side of the gear unit as viewed from the output shaft side of type B3 for the BG series or type H4 for the BF series

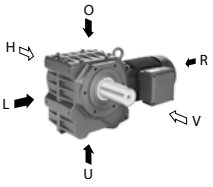
R = Right
The right side of the gear unit as viewed from the output shaft side of type B3 for the BG series or type H4 for the BF series

BK and BS series

BK series: type H1



BS series: type H1



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 = Left
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

RFQ data ☐ **Order** ☐

Order / RFQ no.: _____

Contact data: _____

Bauer Gear Motor GmbH
Fax: +49 (0)711 3518 381
E-Mail: info@bauergears.com

Application: _____
(e.g. traction drive, hoist/lift drive, roller conveyor, feedscrew, etc.)

Gearbox type


BG ☐


BF ☐


BK ☐


BS ☐


Hiflex ☐
Housing material
☐ Standard
☐ Stainless steel

Number of items _____

Efficiency class not IE ☐ IE1 ☐ IE2 ☐ IE3 ☐ IE4 ☐ IE5 ☐

Type _____

Power _____ kW

Output shaft speeds _____ 1/min

Torque _____ Nm Service factor f_B= _____

Mounting arrangement/
Type of installation _____ Terminal box position _____

RAL 7031 or special RAL shade _____

Corrosion prevention **Standard** or Coro1 / Coro2 / Coro3 / Coro4 / Coro5I / Coro5M / IM2 _____

Rated voltage _____ V type of business _____

Frequency _____ Hz

Thermistors ☐ Thermostats ☐

Ambient temperature _____ °C Altitude [m] _____

Ambient conditions & installation site _____

Transmission component (direct, chain, gearwheel, belt, etc.) _____

Radial force on output shaft _____ N at a distance x from the shaft junction _____ mm

Axial force on output shaft _____ N

Operation on field-oriented converter suitable for operation of permanent magnet excited synchronous motors

speeds of _____ 1/min to _____ 1/min

Integrated frequency converter ☐ Cabinet-mounted frequency converter ☐

Gear unit design

☐ Foot with clearance holes
☐ A-Flange with clearance holes D = _____ mm
☐ C-Flange with tapped holes
☐ Torque restraining arms with rubber buffers in L/T/B direction _____
☐ Foot with tapped holes on L/R/LR/T/B side _____

Output shaft

☐ Solid shaft on F/B/FB end _____
☐ Hollow shaft
☐ Hollow shaft for shrink-on disk

Motor-mounted components ☐ brake

Type _____ Braking torque = _____ Nm
Supply voltage = _____ VAC _____ Hz or _____ V DC
manual release yes ☐ no ☐
Microswitch Function monitoring ☐ Wear monitoring ☐

☐ Encoder
incremental ☐
absolute ☐
Pulse count _____
Output signal HTL ☐ TTL ☐

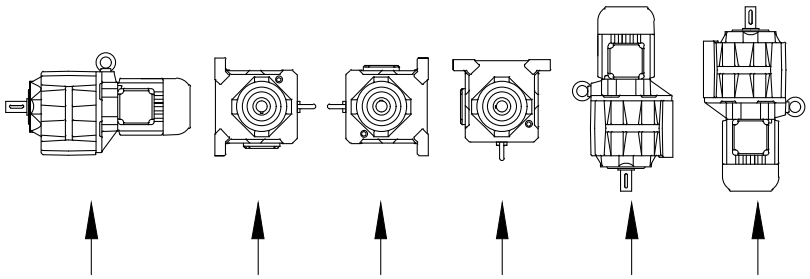
☐ Forced ventilation
☐ Output shaft reverse rotation block (clockwise / anti-clockwise) _____

Special design features

_____

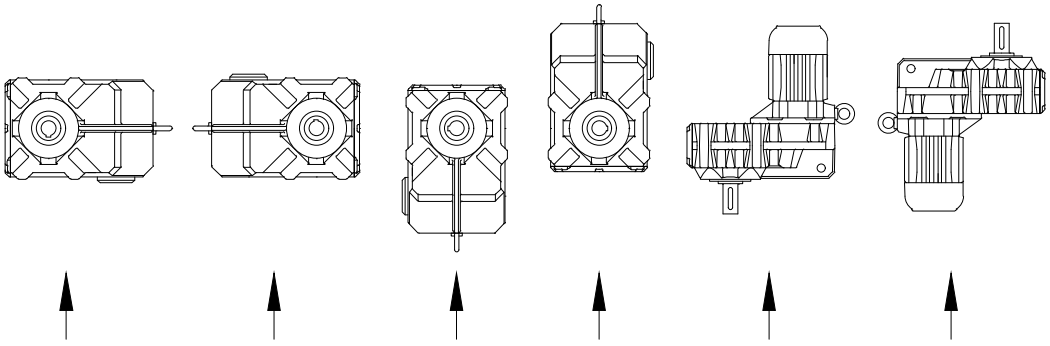
_____

BG series



Gear side	(U)	(R)	(L)	(O)	(V)	(H)
Mounting position	H4	H1	H2	H3	V1	V2

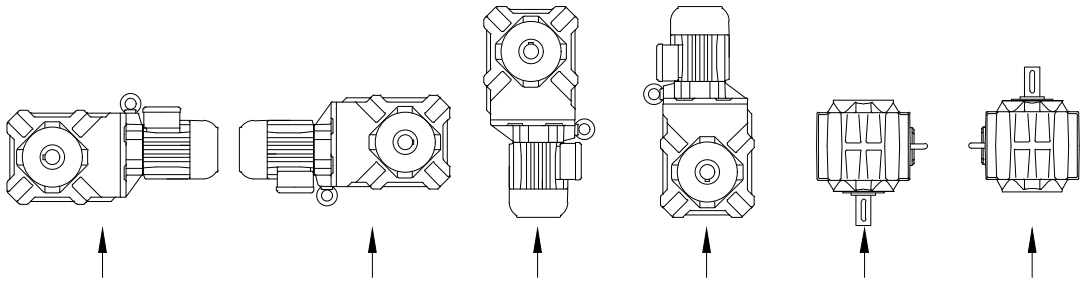
BF series



Gear side	(R)	(L)	(O)	(U)	(V)	(H)
Mounting position	H1	H2	H3	H4	V1	V2

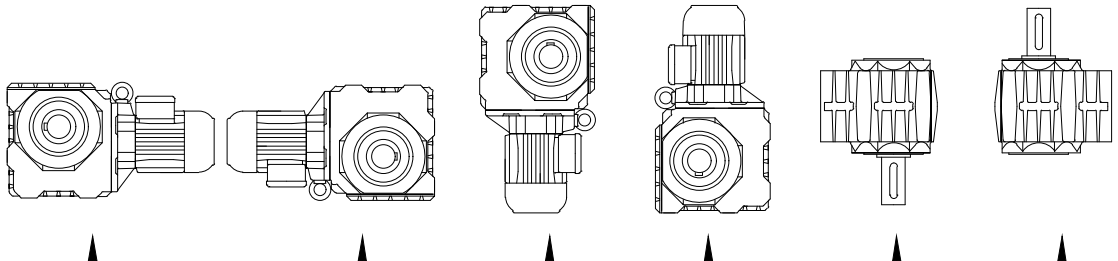
Standard mounting positions

Reihe BK

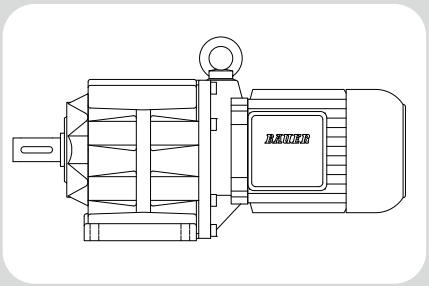


Getriebeseite	(U)	(O)	(R)	(L)	(V)	(H)
Einbaulage	H1	H2	H3	H4	V1	V2

Reihe BS



Getriebeseite	(U)	(O)	(R)	(L)	(V)	(H)
Einbaulage	H1	H2	H3	H4	V1	V2



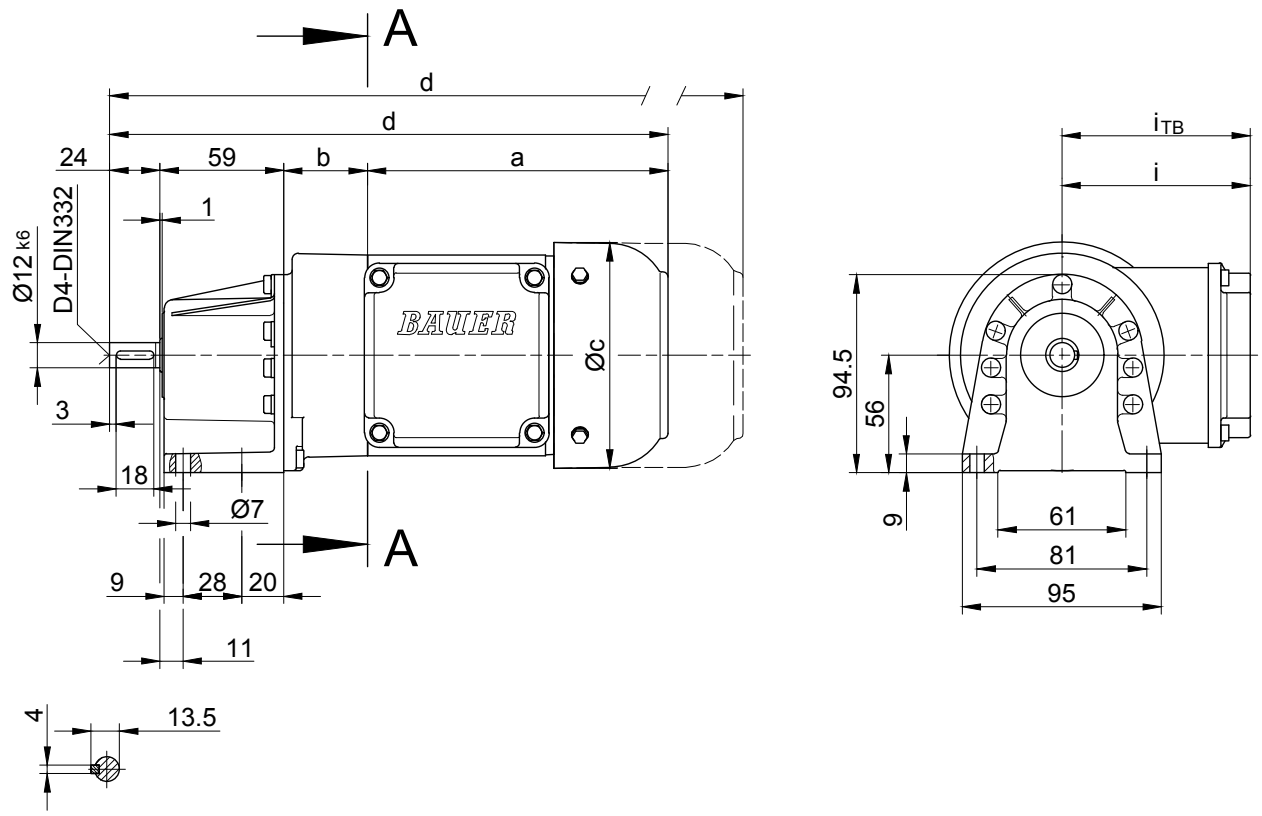
10

BG-series helical-geared motors - Dimensions

BG04

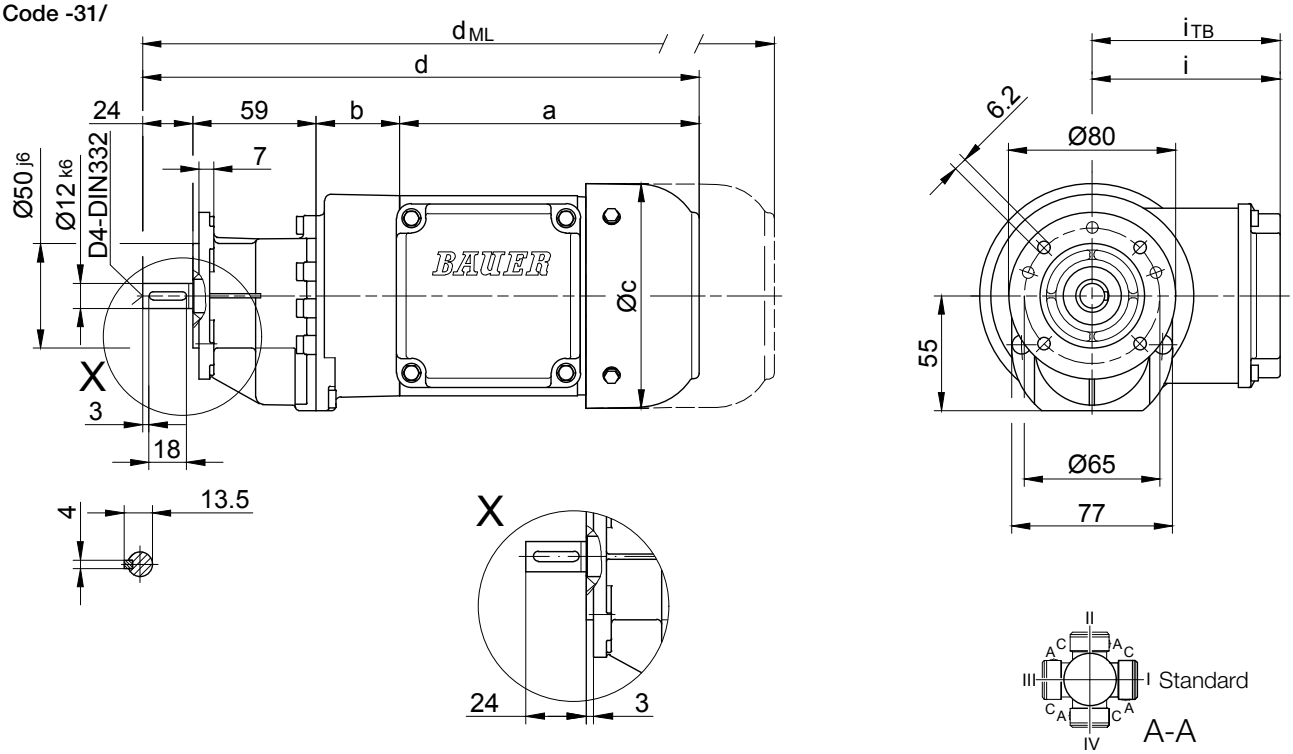
Foot mounting

Code -11/



Flange with clearance holes

Code -31/



Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG04-../S04S	142.5	40	110.5	265.5	90	112	309	353	396.5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

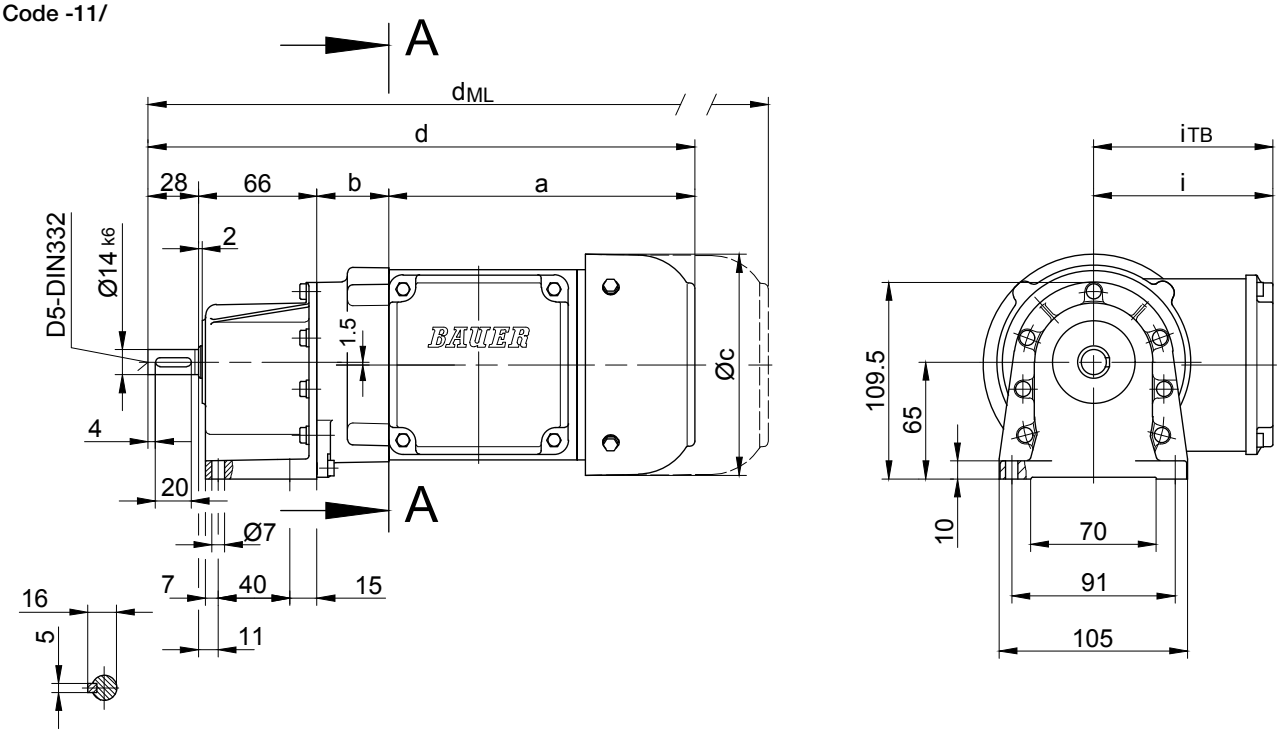
BG-series helical-geared motors

Dimension - Standard

BG05

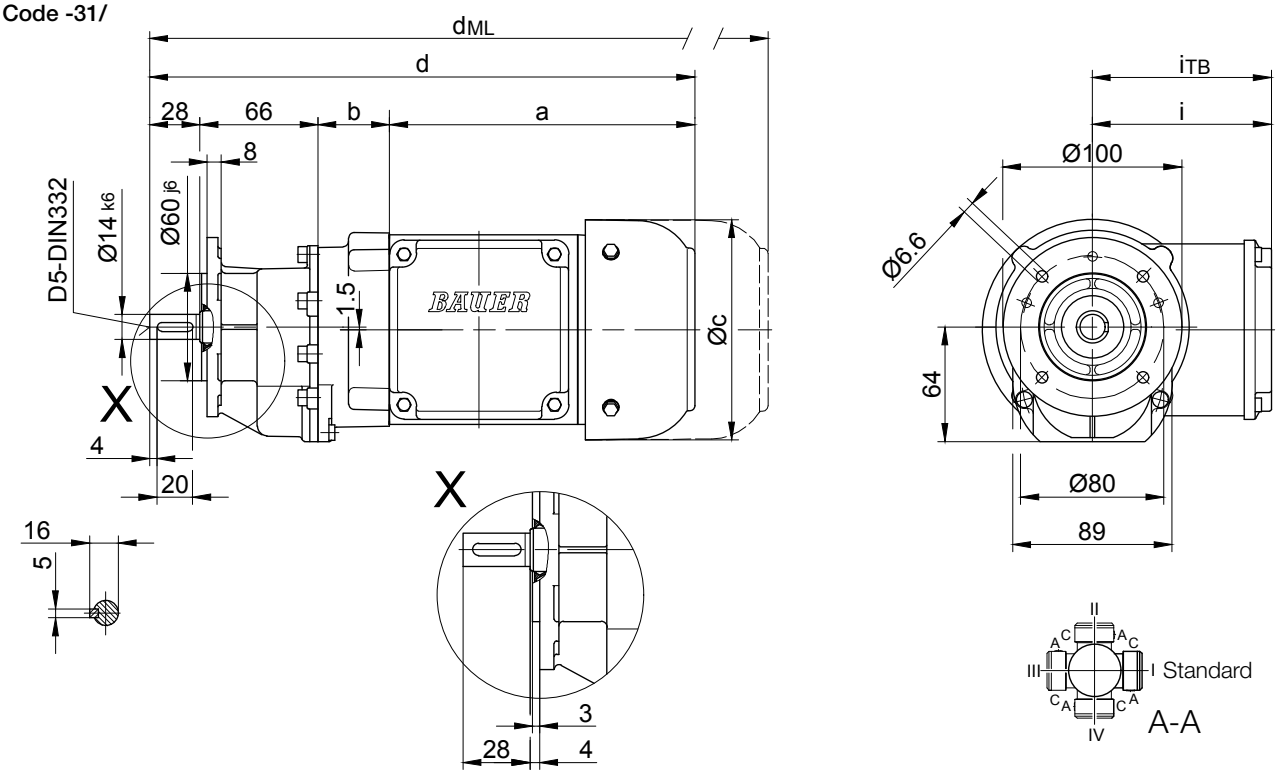
Foot mounting

Code -11/



Flange with clearance holes

Code -31/

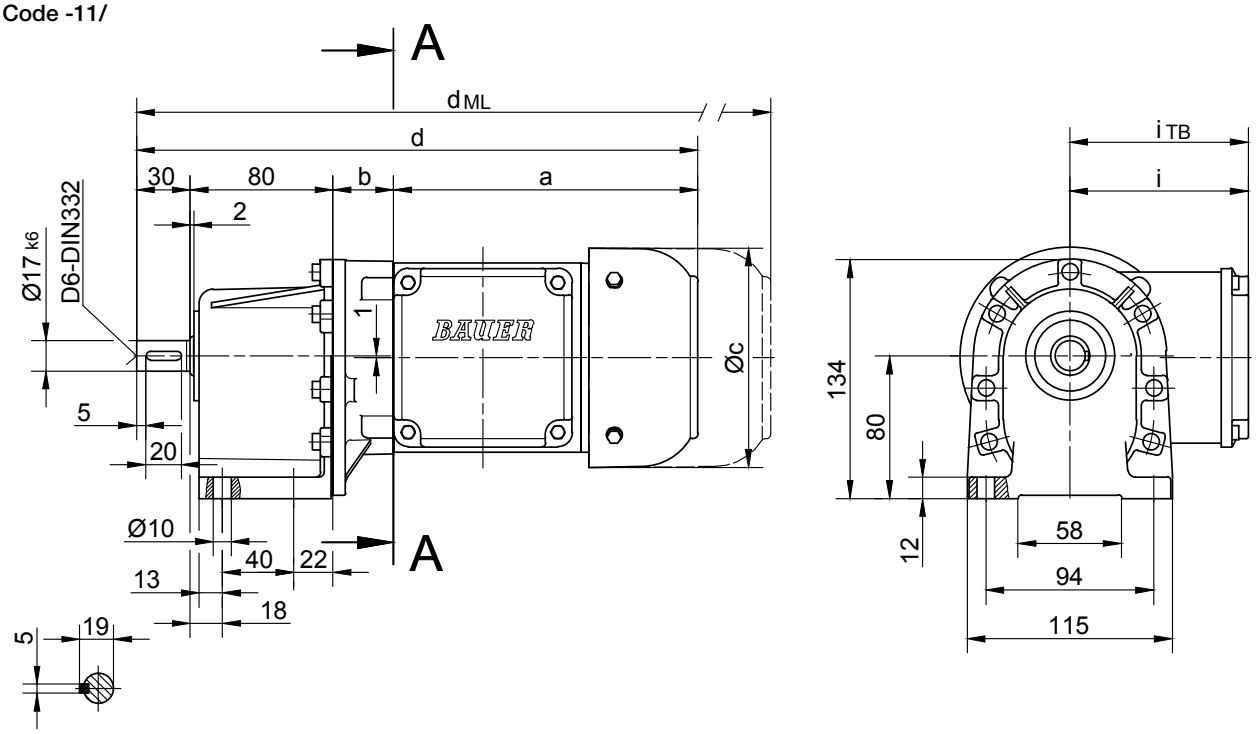


Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG05-../S04S	142.5	38	110.5	274.5	90	112	318	362	405.5	-
BG05-../S..06 (M, L)	170.5	40	123	304.5	99	119	346.5	407	444.5	-
Dimensions in millimetres (mm)										

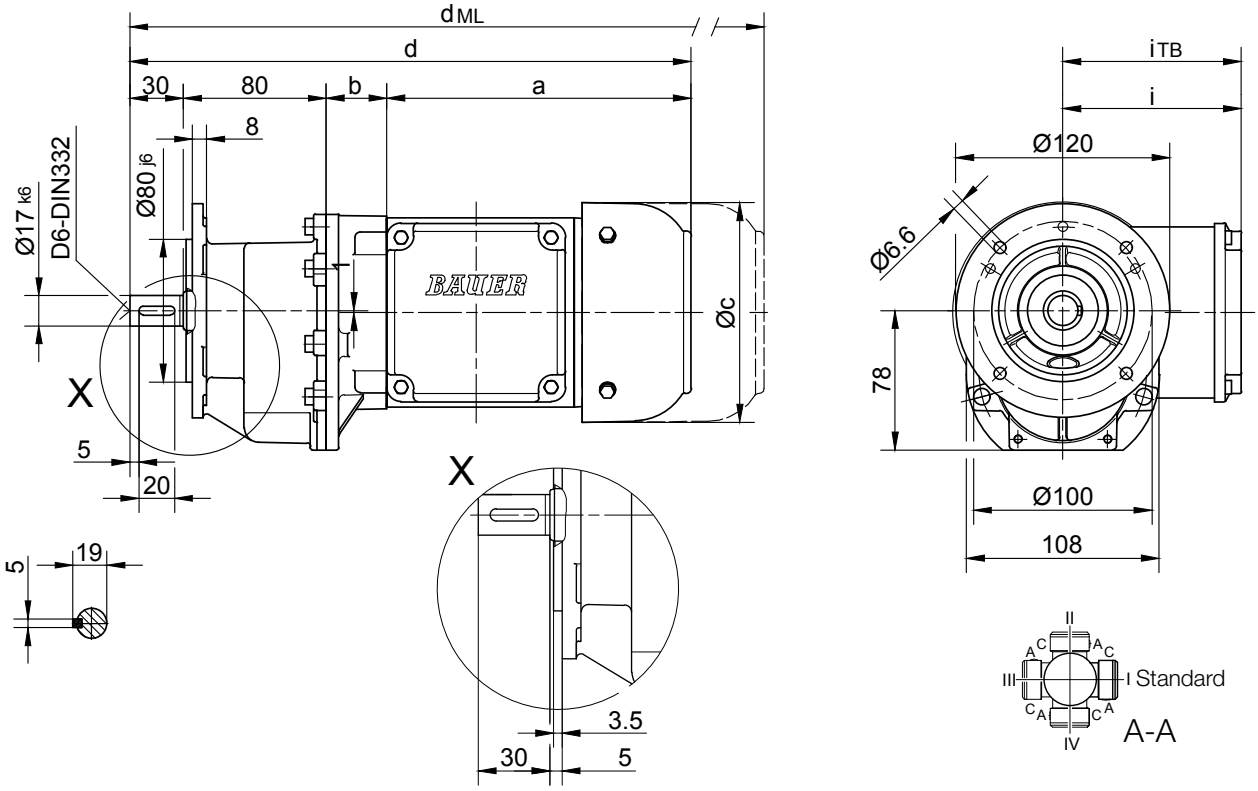
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG06

Foot mounting
Code -11/



Flange with clearance holes
Code -31/



Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG06-../S04S	142.5	32	110.5	284.5	90	112	328	372	415.5	-
BG06-../S..06 (M, L)	170.5	34	123	314.5	99	119	356.5	417	454.5	-
BG06-../S..08 (M, L)	199.5	78	156	387.5	114.5	136.5	453.5	499.5	561	-
Dimensions in millimetres (mm)										

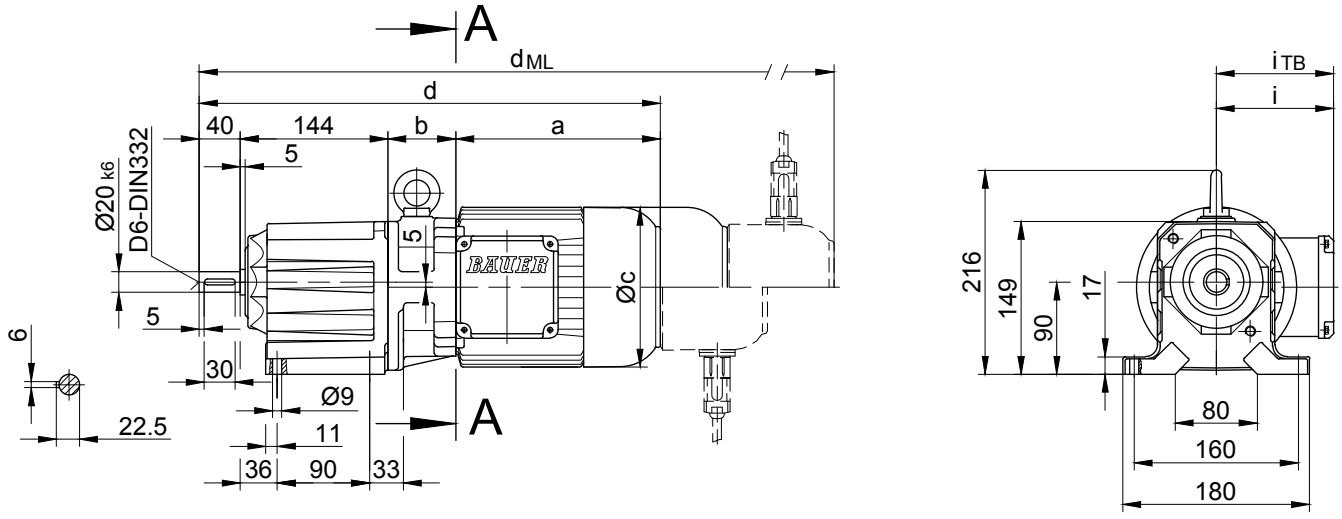
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

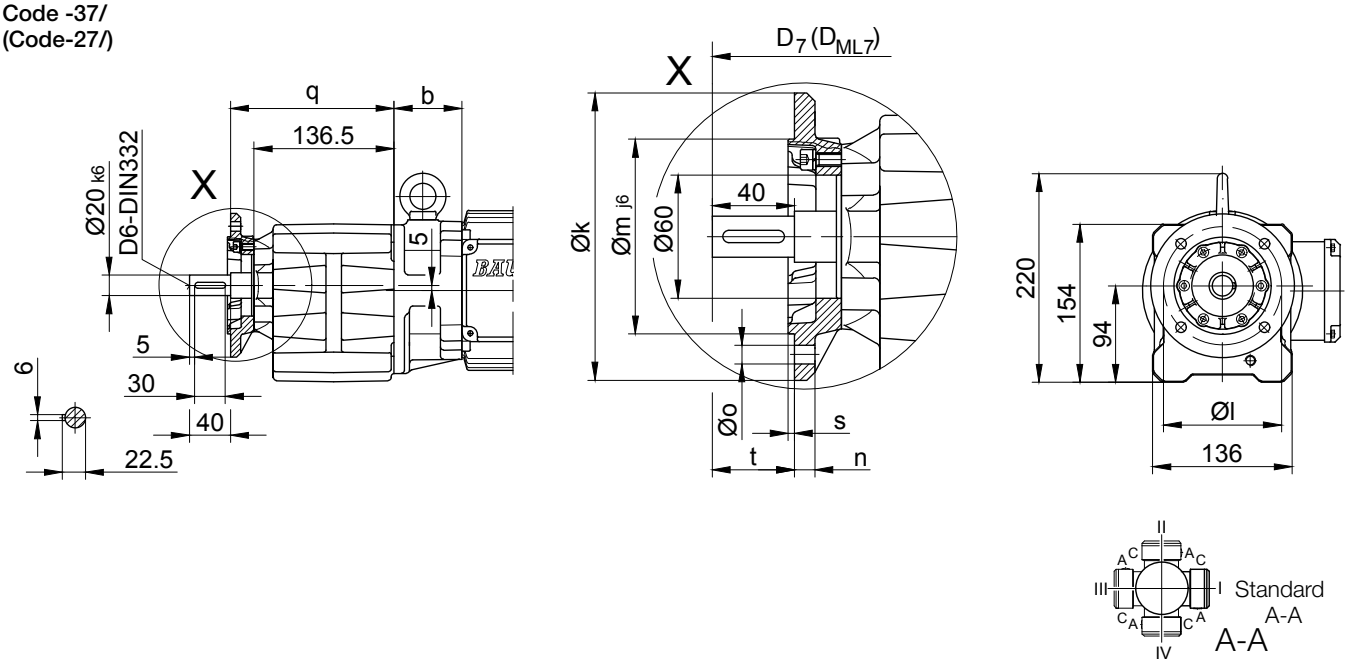
Dimension - Standard

BG10-BG10Z

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code-27/)



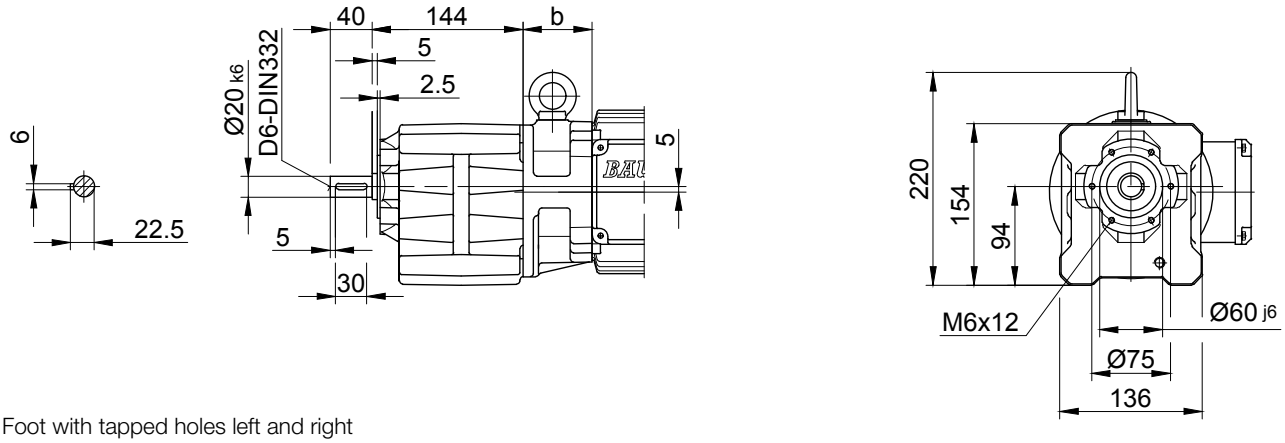
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG10..	Code -37V/	140	115	95	10	9	159.5	3	40.5	d+15.5	d_{ML}+15.5
BG10..	Code -27V/	120	100	80	8	6.6	154.5	3	45.5	d+15.5	d_{ML}+15.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG10Z-../S04S	142.5	86	110.5	412.5	90	112	456	500	543.5	-
BG10-../S..06 (M, L)	170.5	62	123	416.5	99	119	458.5	519	556.5	-
BG10Z-../S..06 (M, L)	170.5	88	123	442.5	99	119	484.5	545	582.5	-
BG10-../S..08 (M, L)	199.5	66	156	449.5	114.5	136.5	515.5	561.5	623	-
BG10Z-../S..08 (M, L)	199.5	132	156	515.5	114.5	136.5	581.5	627.5	689	-
BG10-../S..09 (S, X)	250.5	80.5	176	515	124	157	608	622.5	712	-
Dimensions in millimetres (mm)										

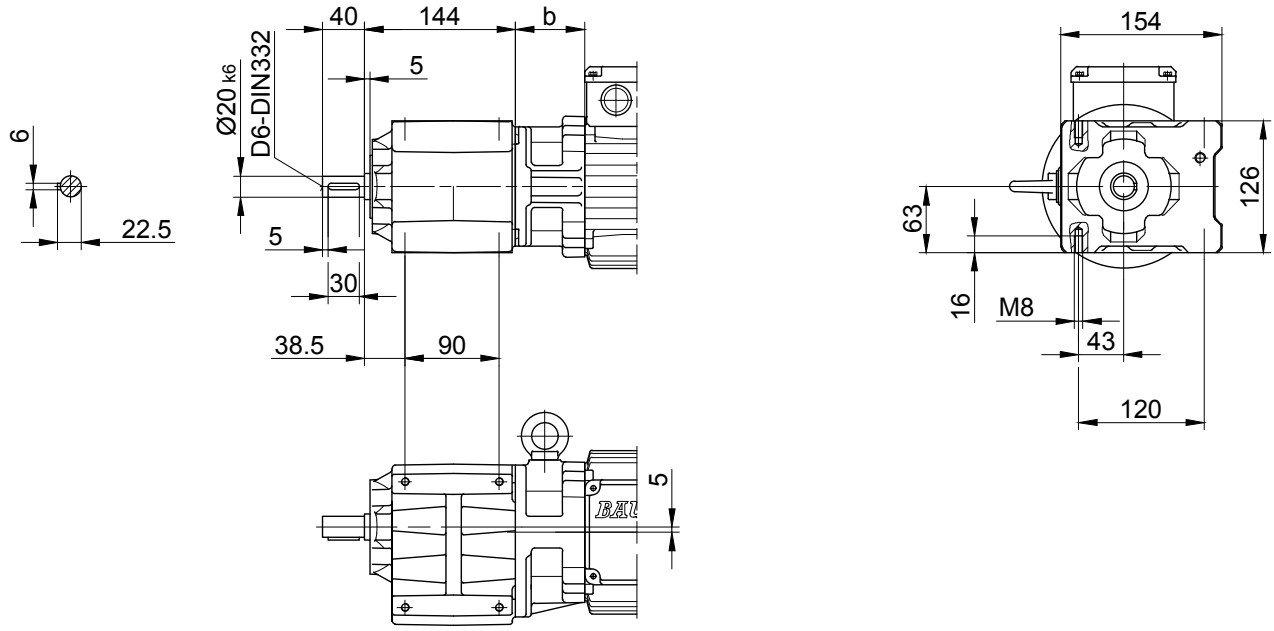
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG10-BG10Z

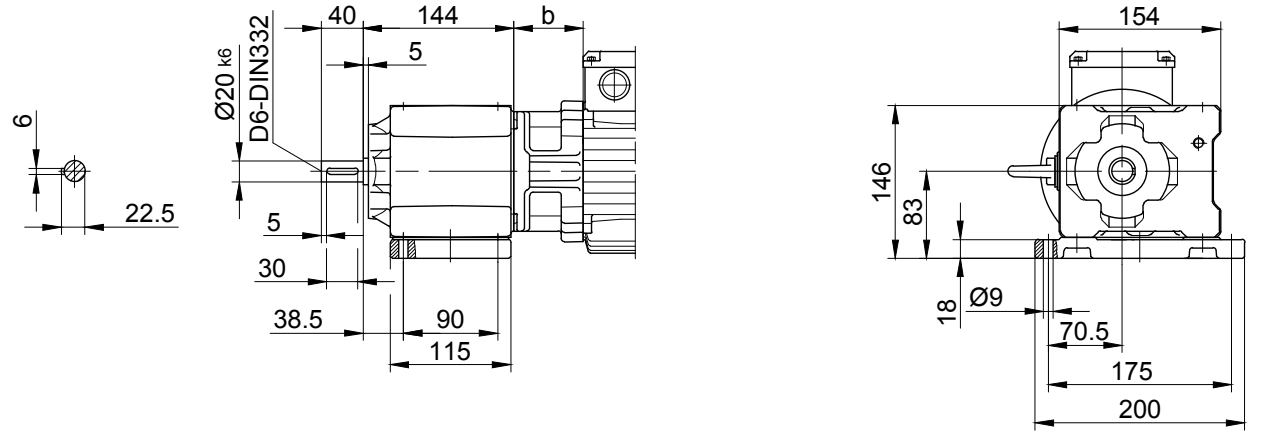
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



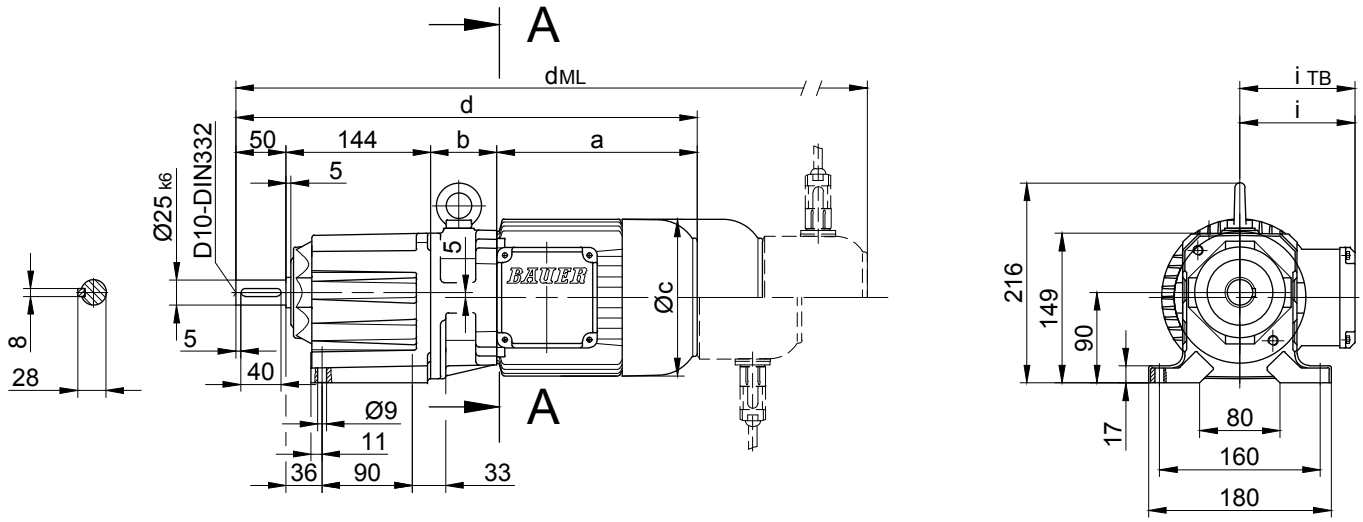
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

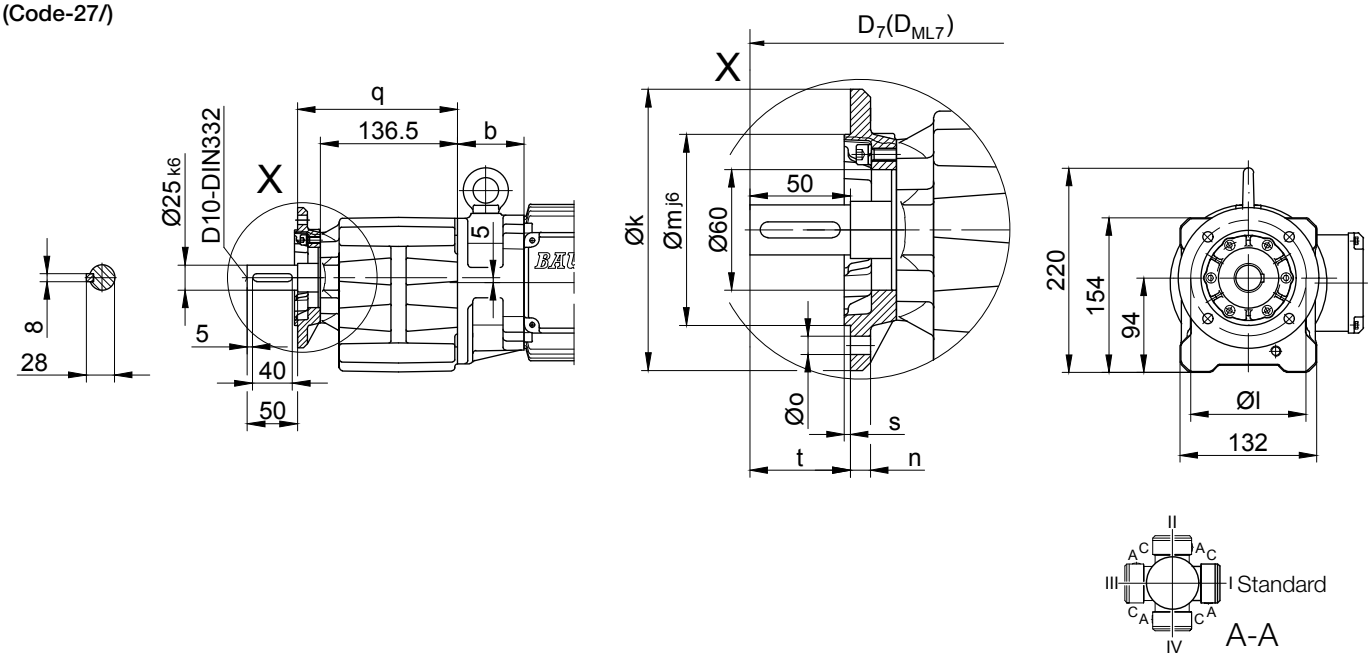
Dimension - Standard

BG10X-BG10XZ

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code-27/)



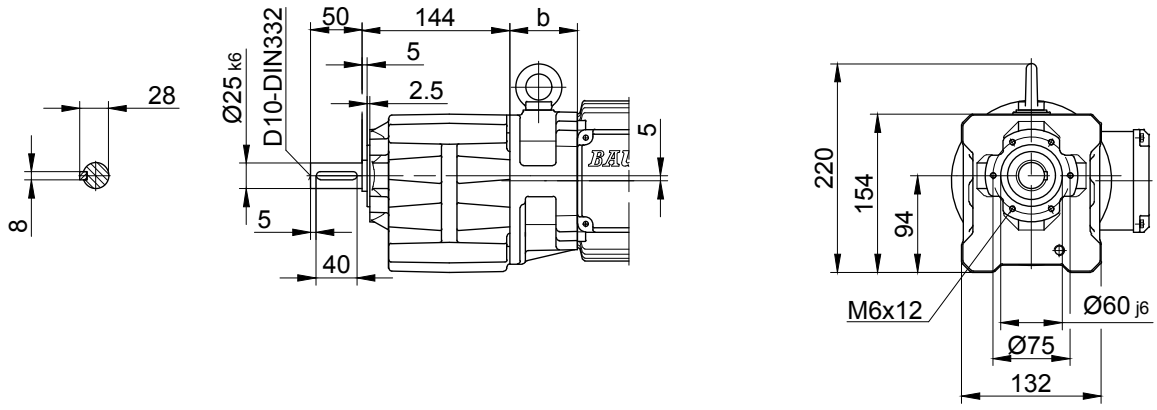
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG10X..	Code -37V/	140	115	95	10	9	159.5	3	50.5	d+15.5	d_{ML}+15.5
BG10X..	Code -27V/	120	100	80	8	6.6	154.5	3	55.5	d+15.5	d_{ML}+15.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG10XZ-../S04S	142.5	86	110.5	422.5	90	112	466	510	553.5	-
BG10X-../S..06 (M, L)	170.5	62	123	426.5	99	119	468.5	529	566.5	-
BG10XZ-../S..06 (M, L)	170.5	88	123	452.5	99	119	494.5	555	592.5	-
BG10X-../S..08 (M, L)	199.5	66	156	459.5	114.5	136.5	525.5	571.5	633	-
BG10XZ-../S..08 (M, L)	199.5	132	156	525.5	114.5	136.5	591.5	637.5	699	-
BG10X-../S..09 (S, X)	250.5	80.5	176	525	124	157	618	632.5	722	-
Dimensions in millimetres (mm)										

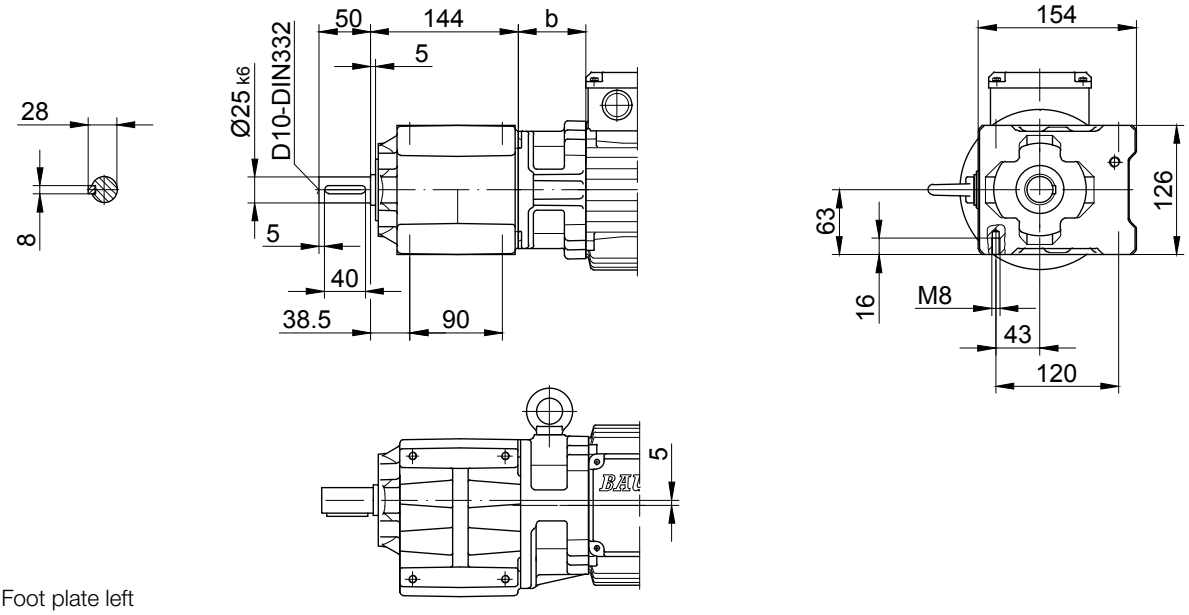
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG10X-BG10XZ

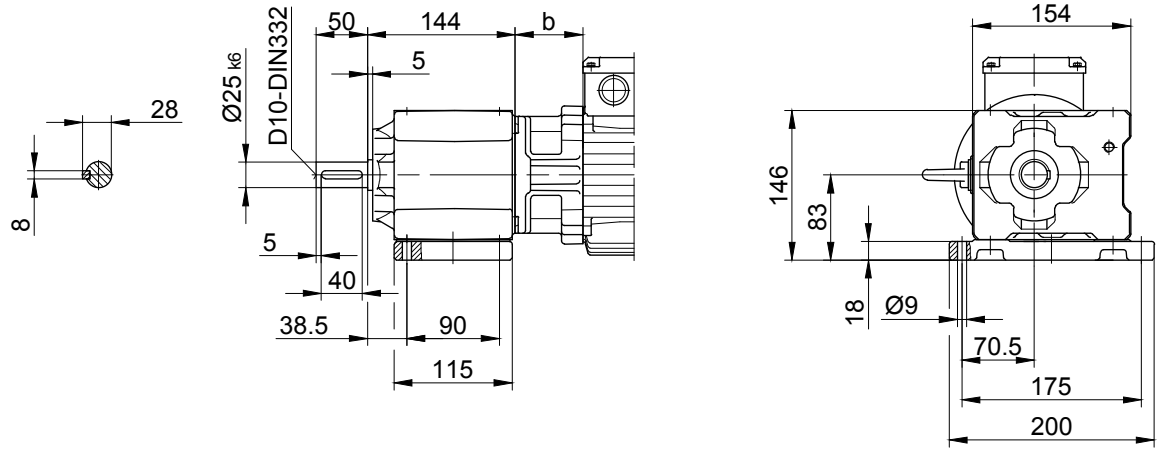
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/

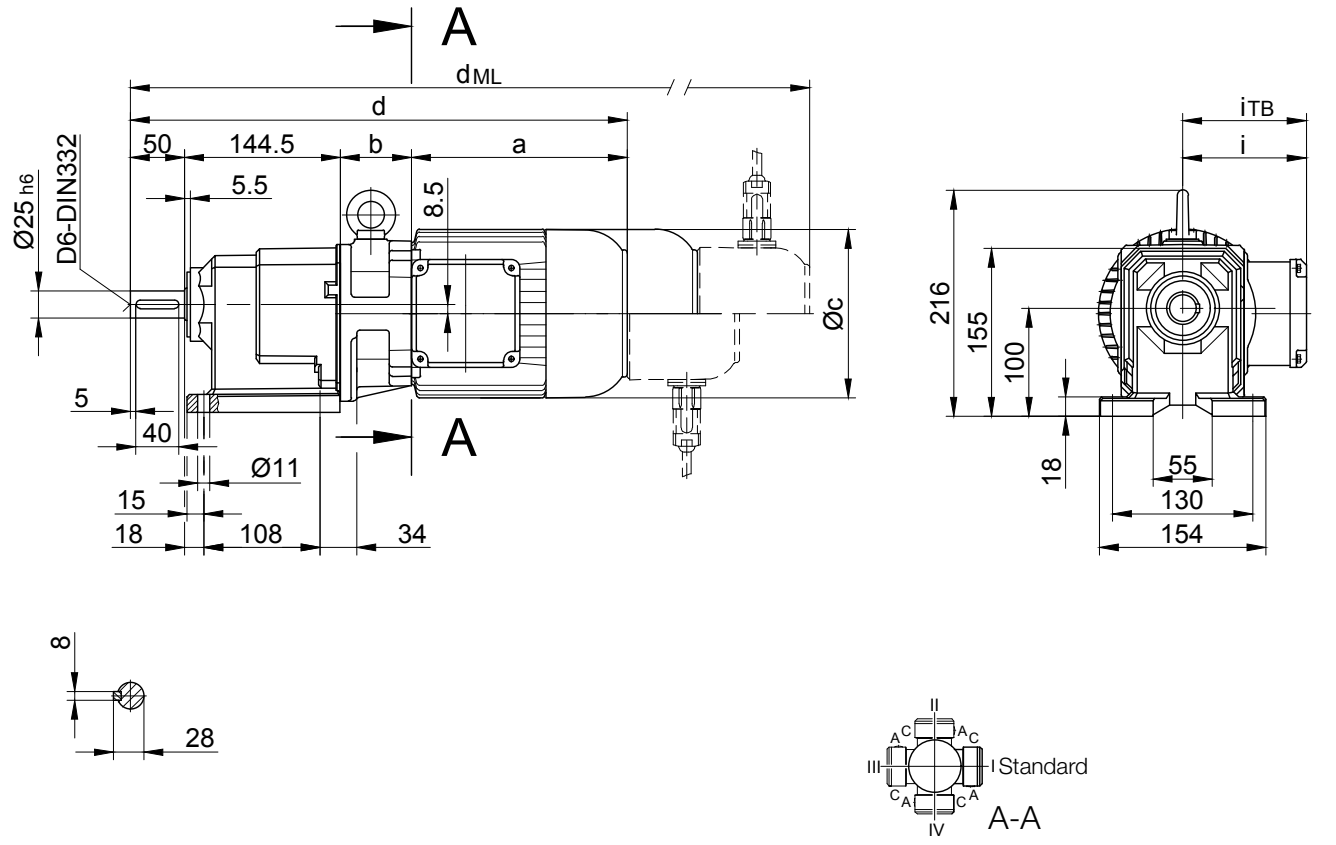


The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG15

Foot mounting with clearance holes

Code -11/



Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG15-../S..06 (M, L)	170.5	62	123	427	99	119	469	529.5	567	-
BG15-../S..08 (M, L)	199.5	66	156	460	114.5	136.5	526	572	633.5	-
BG15-../S..09 (S, X)	250.5	80.5	176	525.5	124	157	618.5	633	722.5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

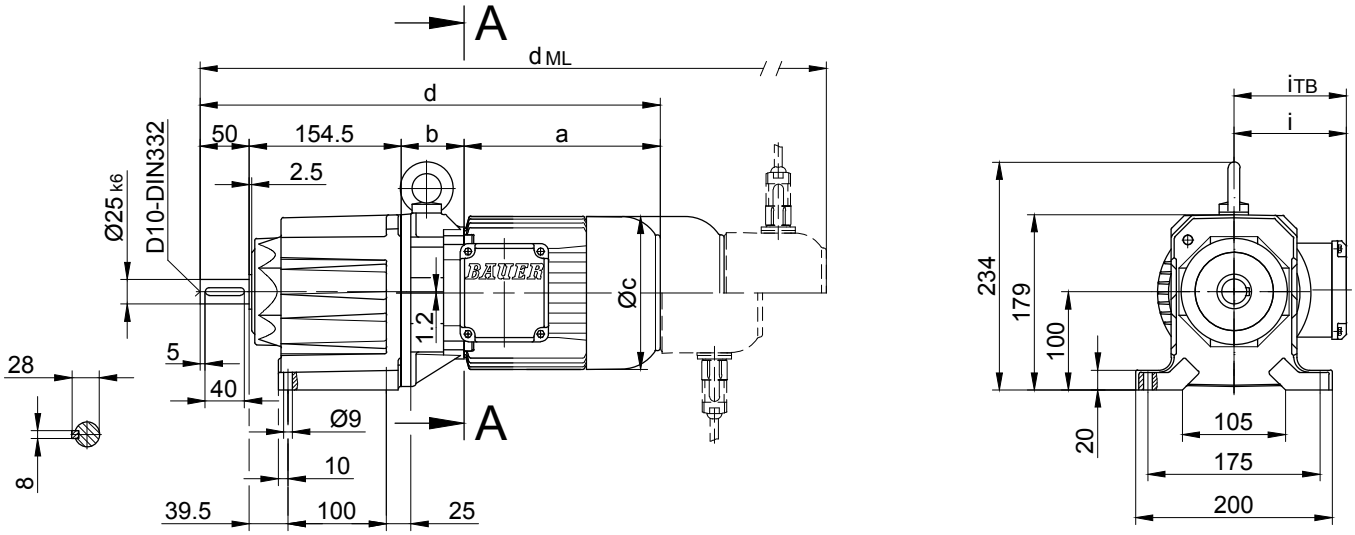
BG-series helical-geared motors

Dimension - Standard

BG20-BG20Z

Foot mounting with clearance holes

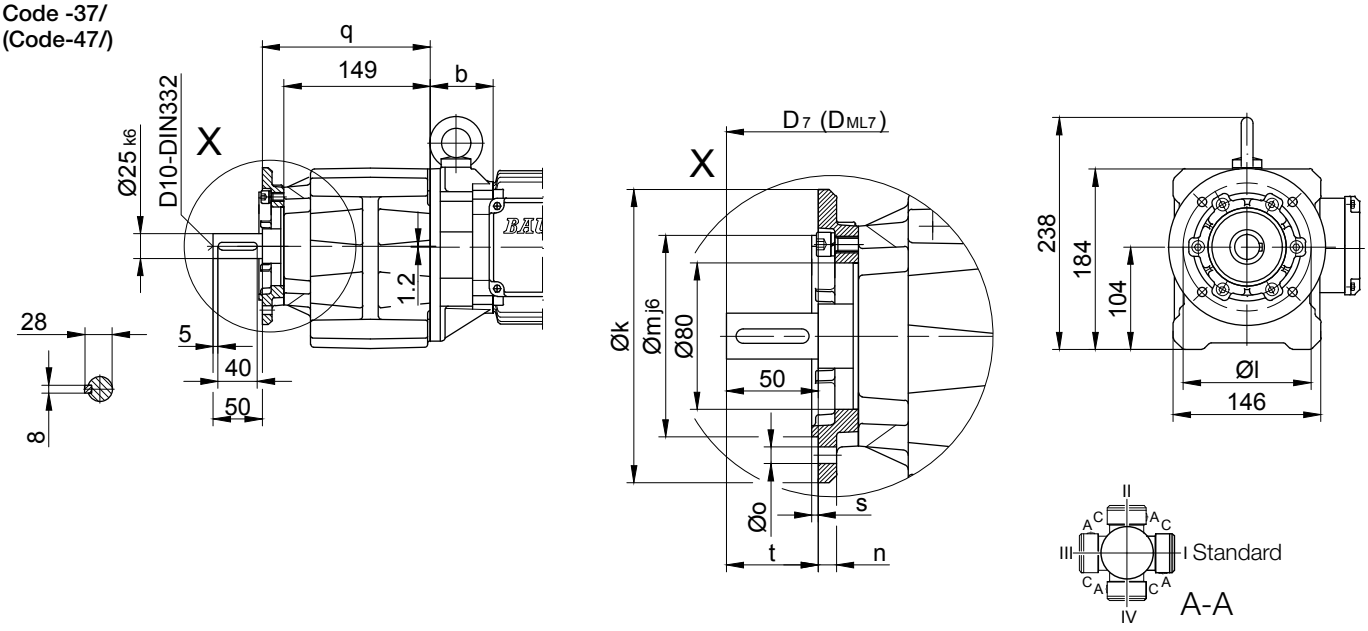
Code -11/



Flange with clearance holes

Code -37/

(Code-47/)



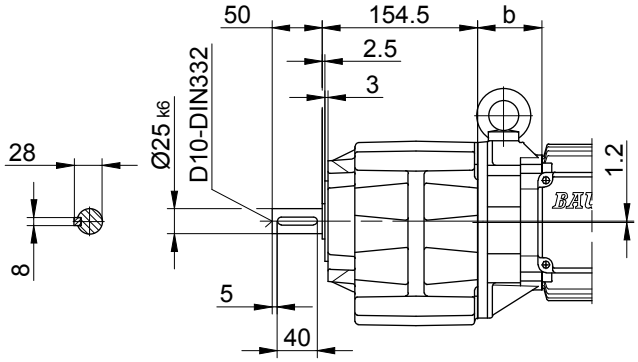
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG20..	Code -37V/	160	130	110	10	9	171	3.5	50.5	d+16.5	d_{ML}+16.5
BG20..	Code -47V/	200	165	130	12	11	178	3.5	43.5	d+16.5	d_{ML}+16.5
Dimensions in millimetres (mm)											

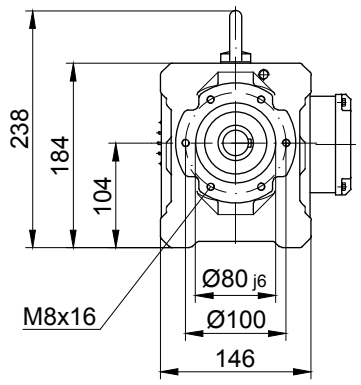
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG20Z-../S04S	142.5	100	110.5	447	90	112	490.5	534.5	578	-
BG20-../S..06 (M, L)	170.5	60	123	435	99	119	477	537.5	575	-
BG20Z-../S..06 (M, L)	170.5	102	123	477	99	119	519	579.5	617	-
BG20-../S..08 (M, L)	199.5	64	156	468	114.5	136.5	534	580	641.5	-
BG20Z-../S..08 (M, L)	199.5	146	156	550	114.5	136.5	616	662	723.5	-
BG20-../S..09 (S, X)	250.5	78.5	176	533.5	124	157	626.5	641	730.5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

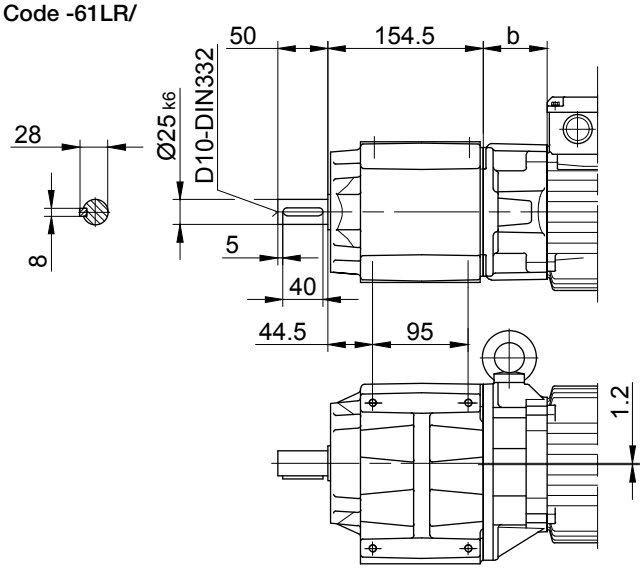
BG20-BG20Z

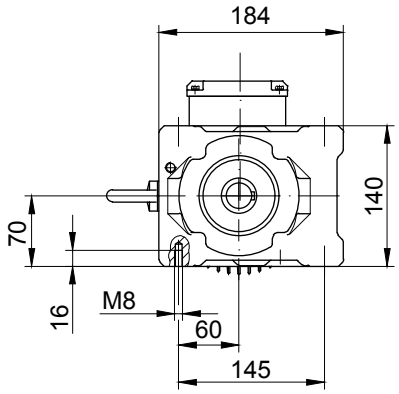
Flange with tapped holes
Code -71/



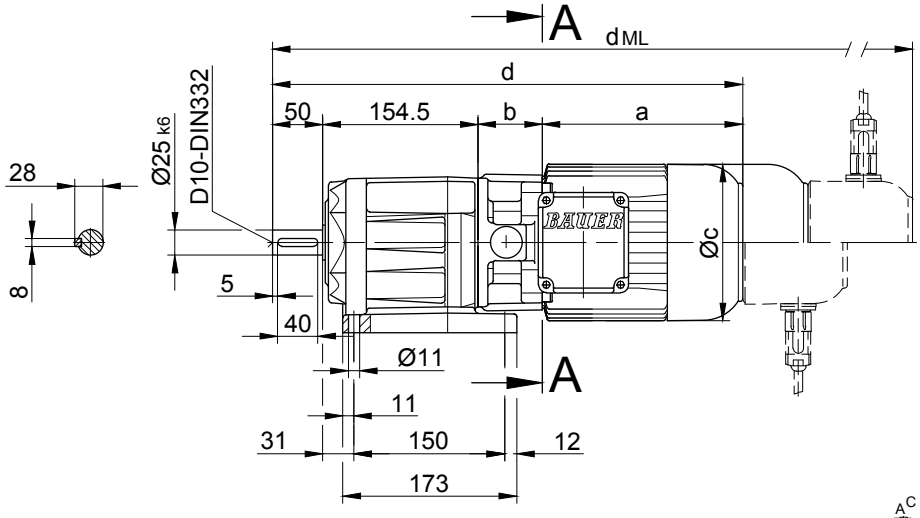


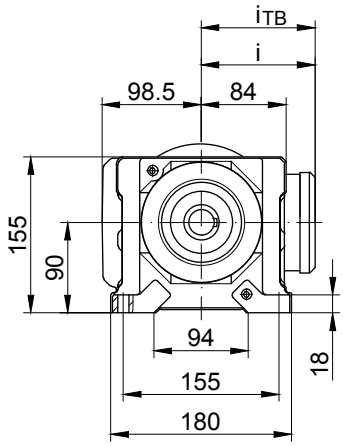
Foot with tapped holes left and right
Code -61LR/

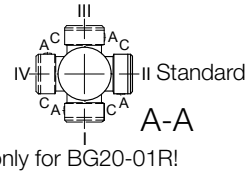




Foot mounting right with clearance holes
Code -01R/







only for BG20-01R!

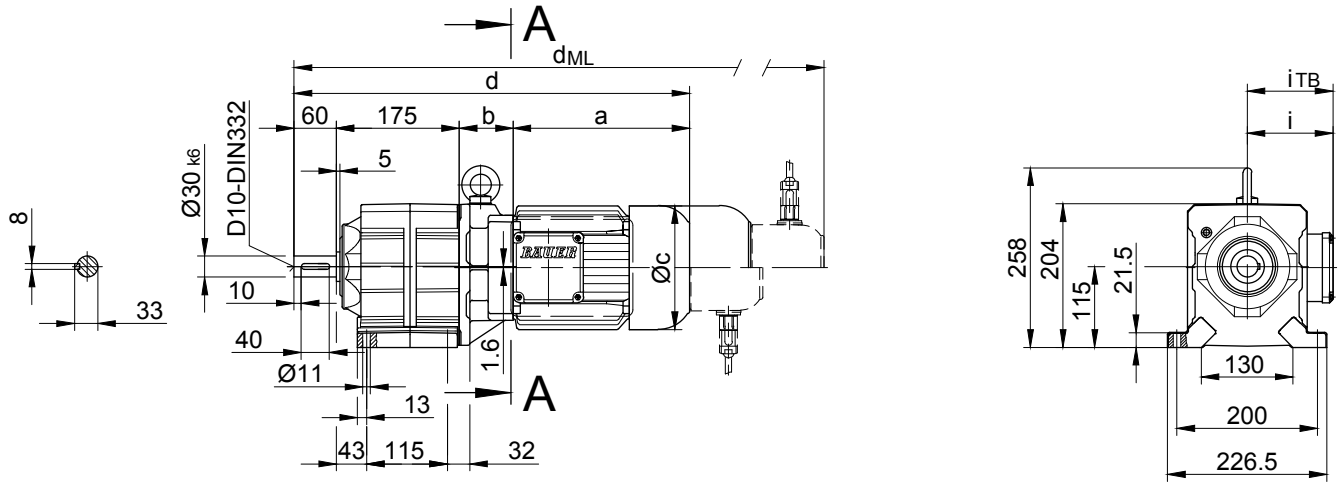
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

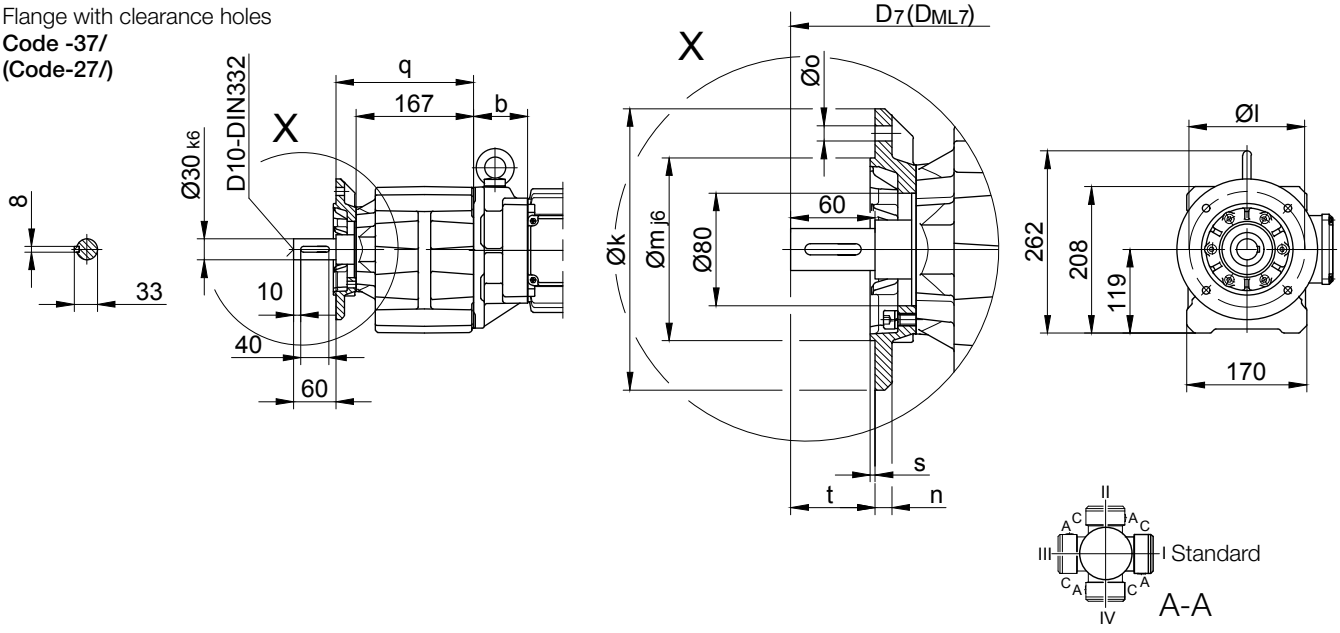
Dimension - Standard

BG30-BG30Z

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code-27/)



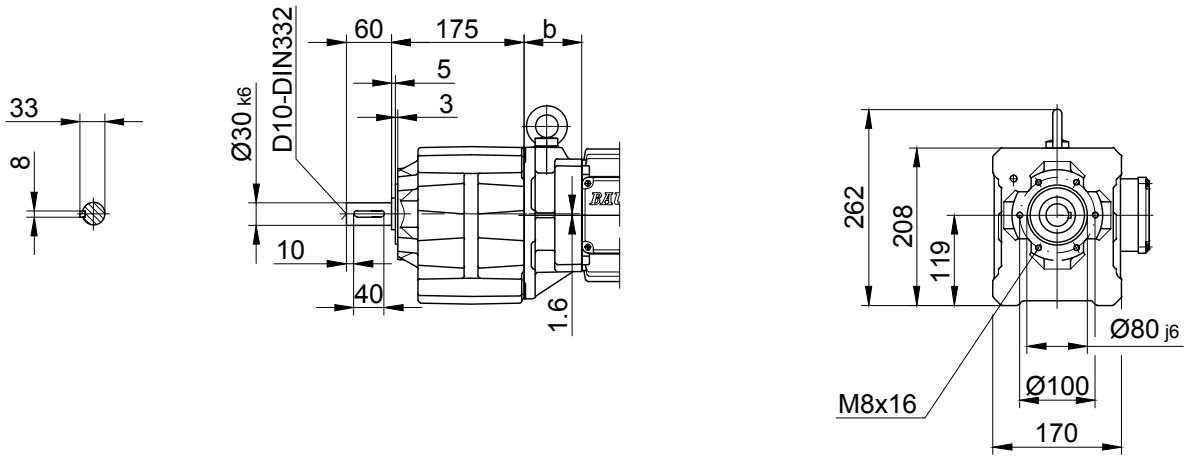
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG30..	Code -37/	200	165	130	12	11	196	3.5	60.5	d+21	d_{ML}+21
BG30..	Code -27/	160	130	110	10	9	189	3.5	67.5	d+21	d_{ML}+21
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG30-../S..06 (M, L)	170.5	58	123	463.5	99	119	505.5	566	603.5	-
BG30Z-../S..06 (M, L)	170.5	133.5	123	539	99	119	581	641.5	679	-
BG30-../S..08 (M, L)	199.5	62	156	496.5	114.5	136.5	562.5	608.5	670	-
BG30Z-../S..08 (M, L)	199.5	137.5	156	572	114.5	136.5	638	684	745.5	-
BG30-../S..09 (S, X)	250.5	76.5	176	562	124	157	655	727	759	-
BG30Z-../S..09 (S, X)	250.5	152	176	637.5	124	157	730.5	802.5	834.5	-
BG30-../S..11 (S, M, L)	319	83	218	637	165	176	735	744.5	837	-
Dimensions in millimetres (mm)										

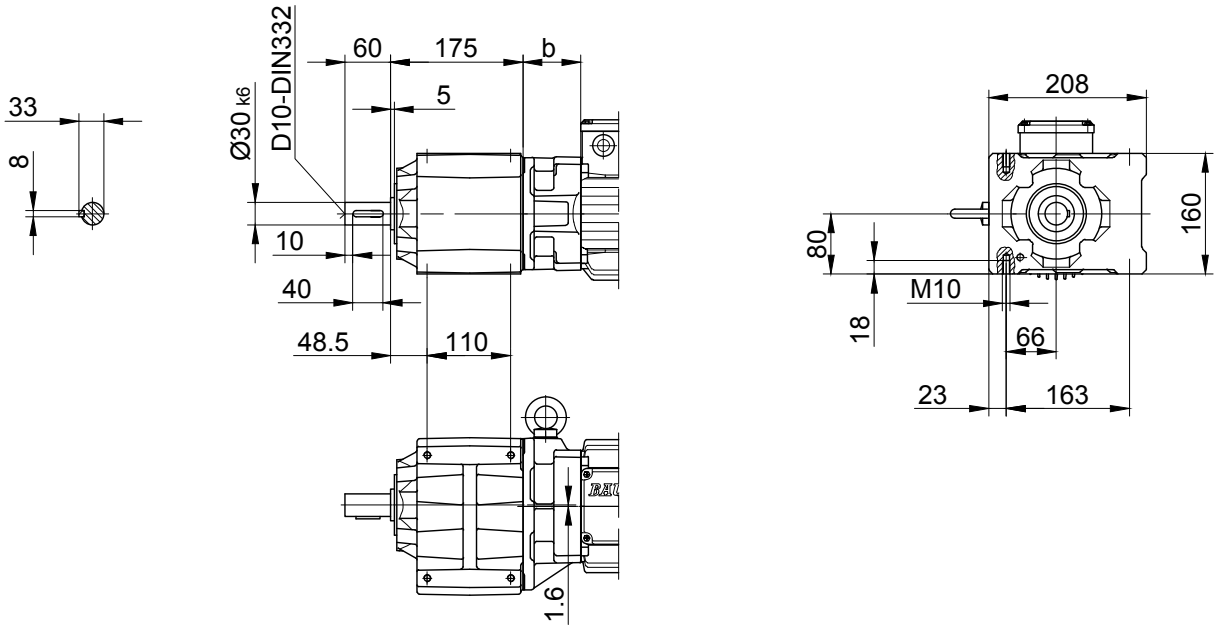
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG30-BG30Z

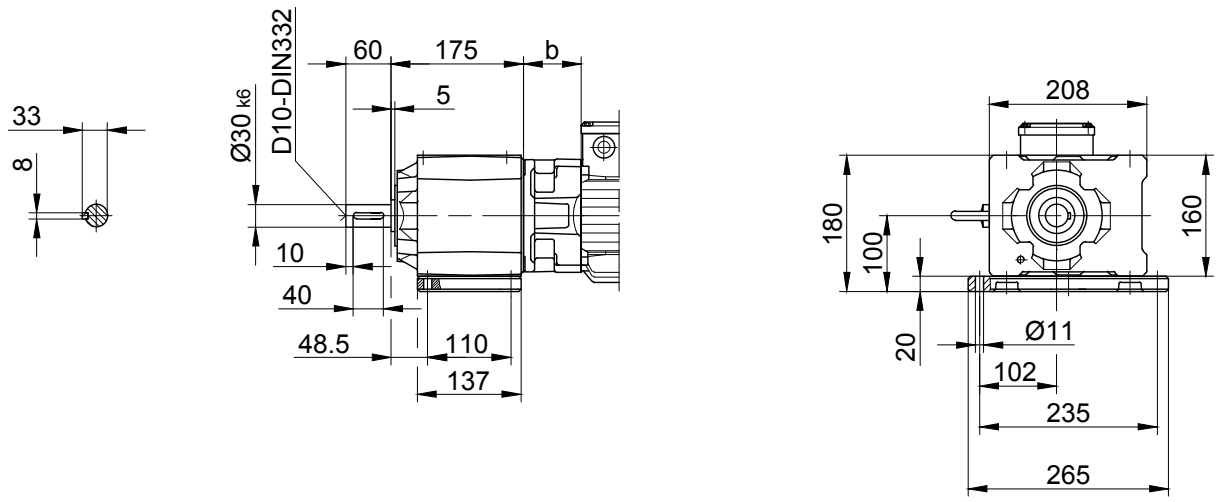
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



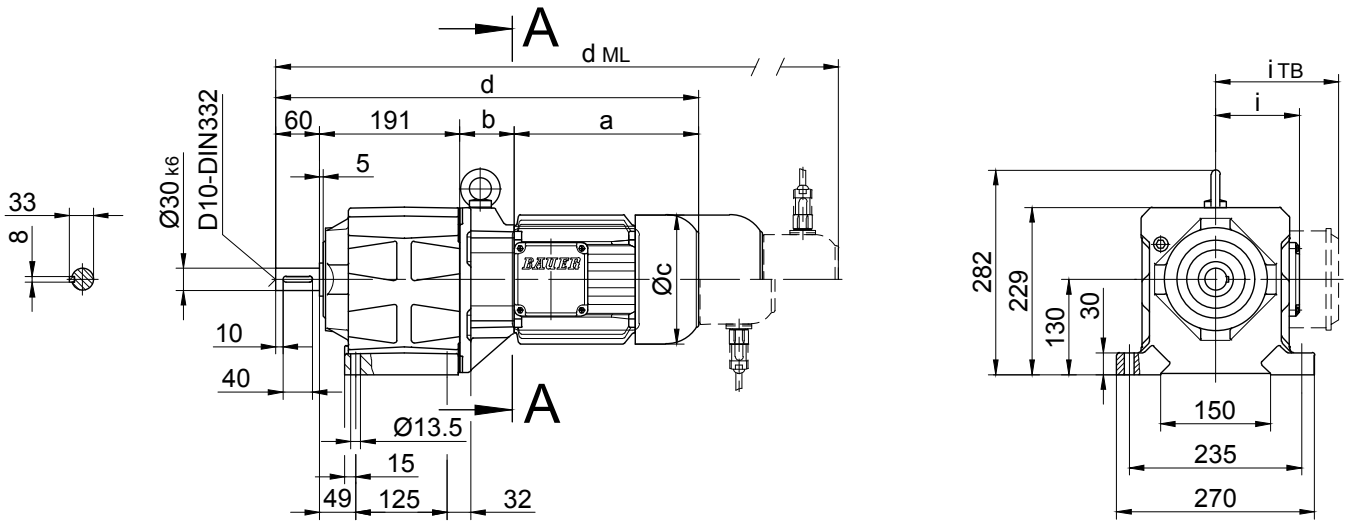
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

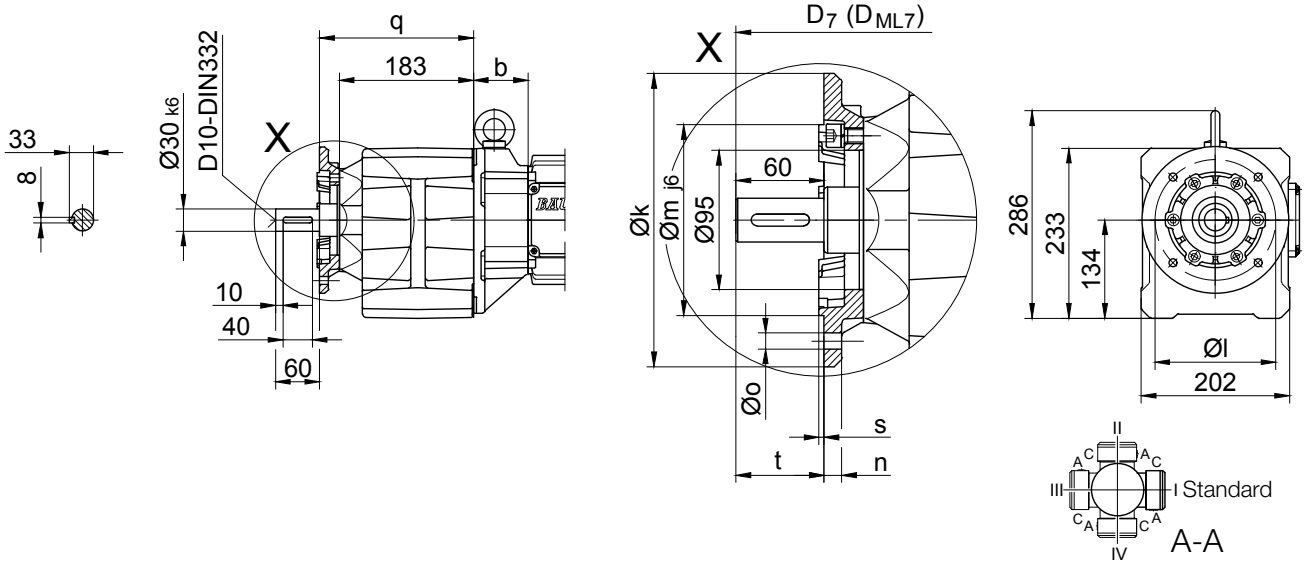
Dimension - Standard

BG40-BG40Z

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code-47/)



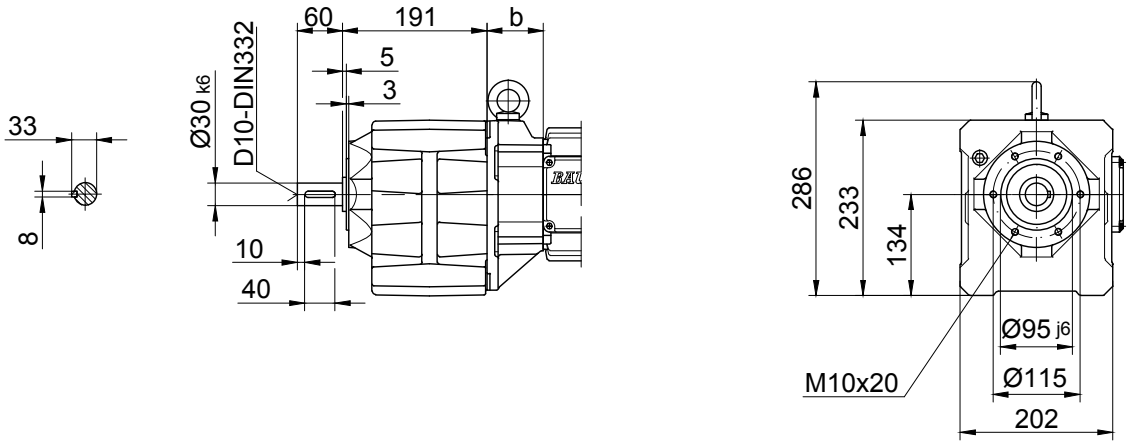
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG40..	Code -37/	200	165	130	12	11	210	3.5	61	d+19	d_{ML}+19
BG40..	Code -47/	250	215	180	16	13.5	219	4	52	d+19	d_{ML}+19
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG40Z-../S..06 (M, L)	170.5	138.5	123	560	99	119	602	662.5	700	-
BG40-../S..08 (M, L)	199.5	60	156	510.5	114.5	136.5	576.5	622.5	684	-
BG40Z-../S..08 (M, L)	199.5	142.5	156	593	114.5	136.5	659	705	766.5	-
BG40-../S..09 (S, X)	250.5	74.5	176	576	124	157	669	683.5	773	-
BG40Z-../S..09 (S, X)	250.5	157	176	658.5	124	157	751.5	766	855.5	-
BG40-../S..11 (S, M, L)	319	81	218	651	165	176	749	758.5	851	-
Dimensions in millimetres (mm)										

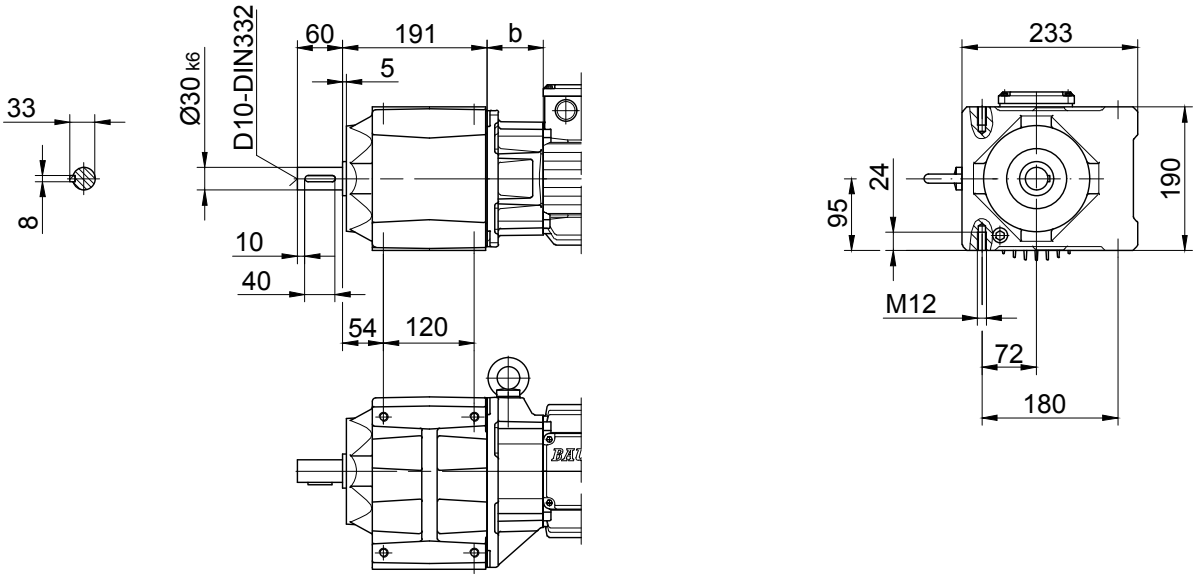
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG40-BG40Z

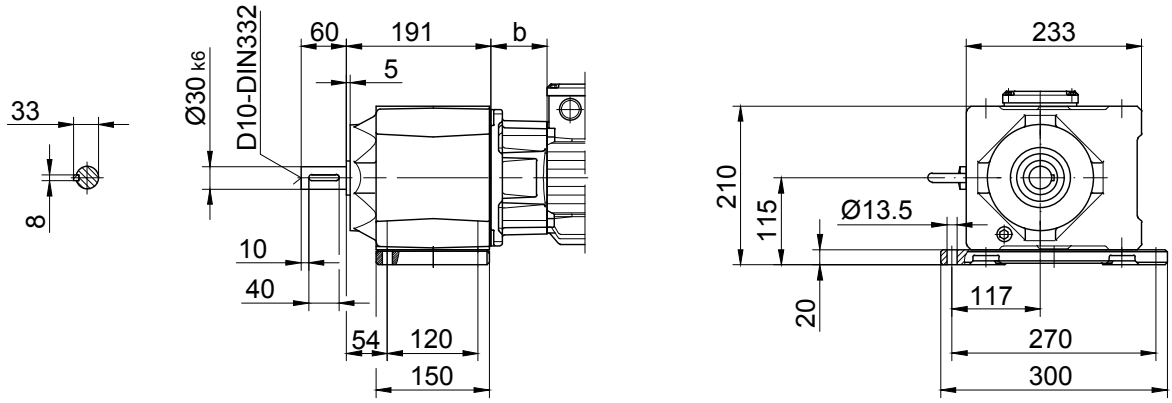
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



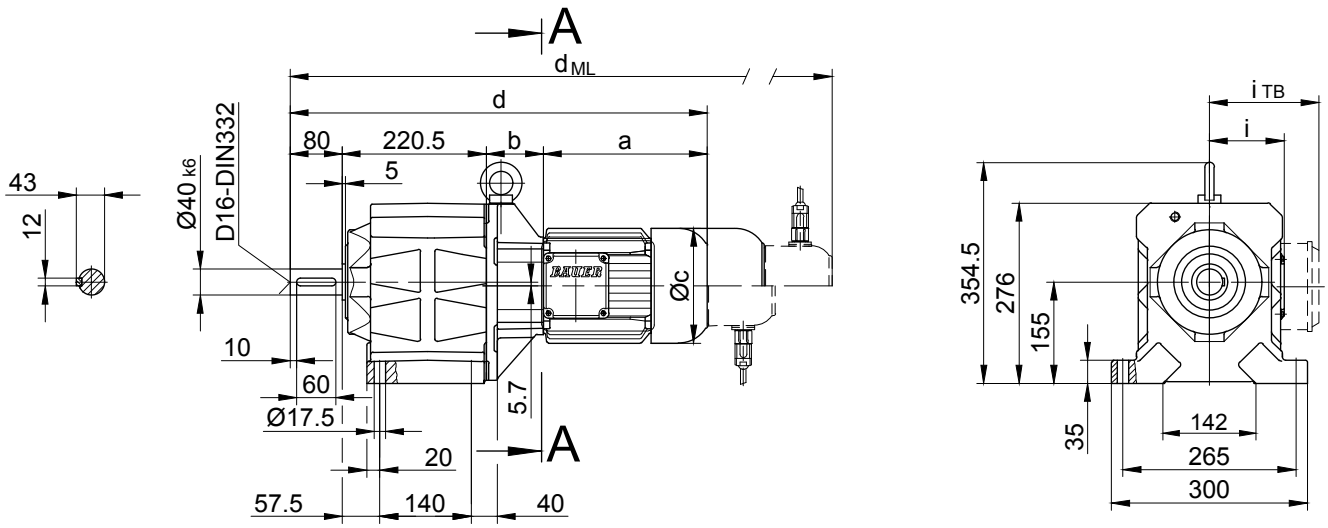
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

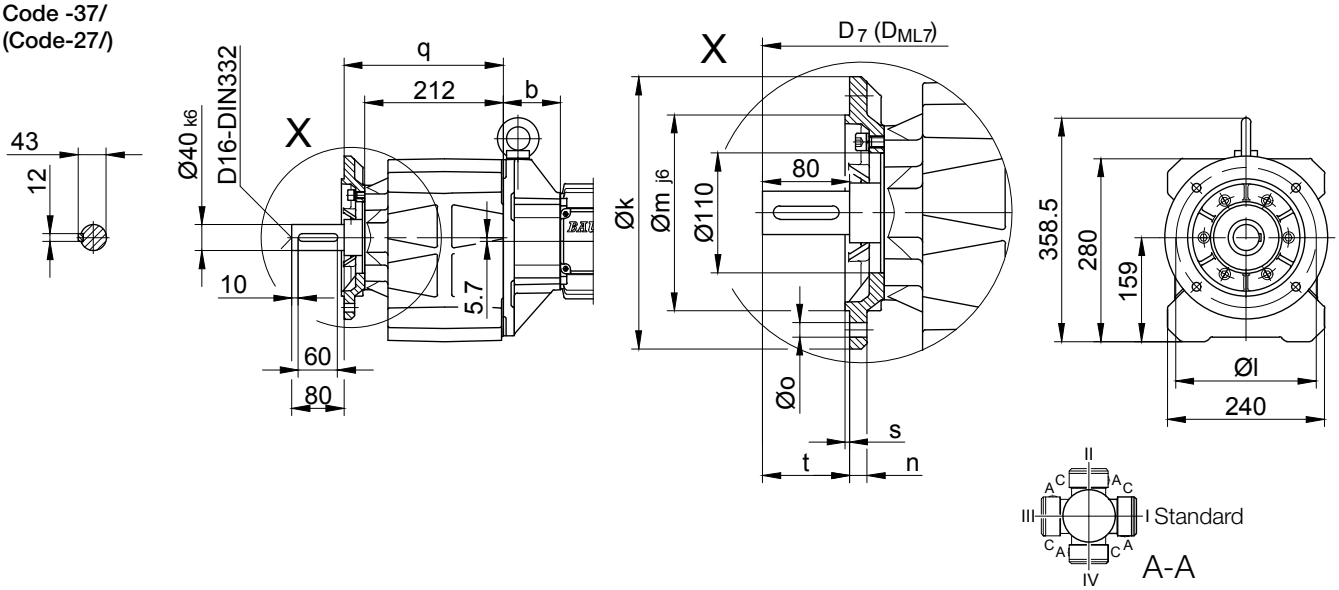
Dimension - Standard

BG50-BG50Z

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code-27/)



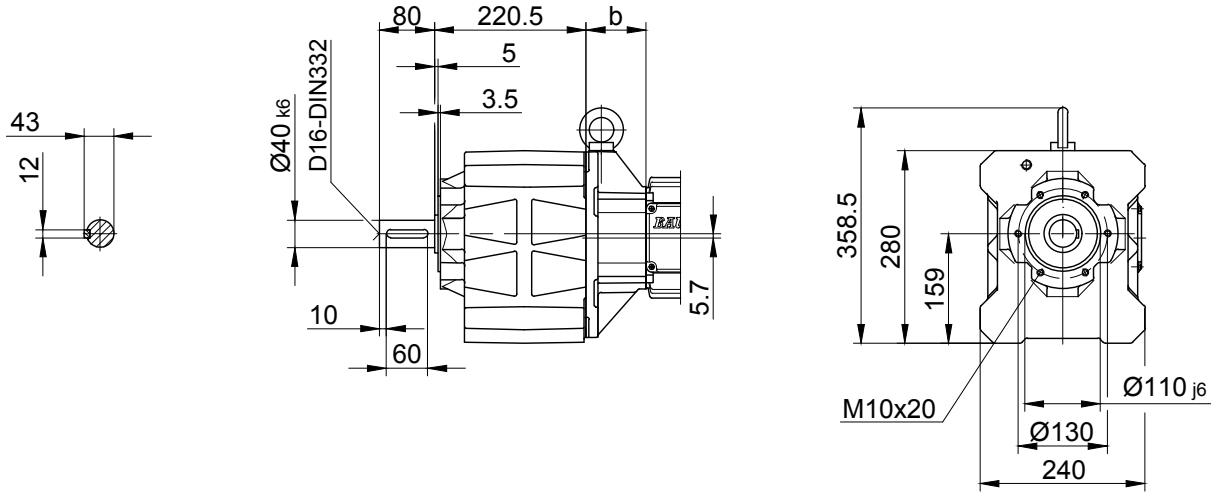
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG50..	Code -37/	250	215	180	16	13.5	244	4	80.5	d+23.5	d_{ML}+23.5
BG50..	Code -27/	200	165	130	12	11	241	3.5	83.5	d+23.5	d_{ML}+23.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG50Z-../S..06 (M, L)	170.5	155	123	626	99	119	668	728.5	766	-
BG50-../S..08 (M, L)	199.5	73	156	573	114.5	136.5	639	685	746.5	-
BG50Z-../S..08 (M, L)	199.5	159	156	659	114.5	136.5	725	771	832.5	-
BG50-../S..09 (S, X)	250.5	87.5	176	638.5	124	157	731.5	746	835.5	-
BG50Z-../S..09 (S, X)	250.5	173.5	176	724.5	124	157	817.5	832	921.5	-
BG50-../S..11 (S, M, L)	319	94	218	713.5	165	176	811.5	821	913.5	-
Dimensions in millimetres (mm)										

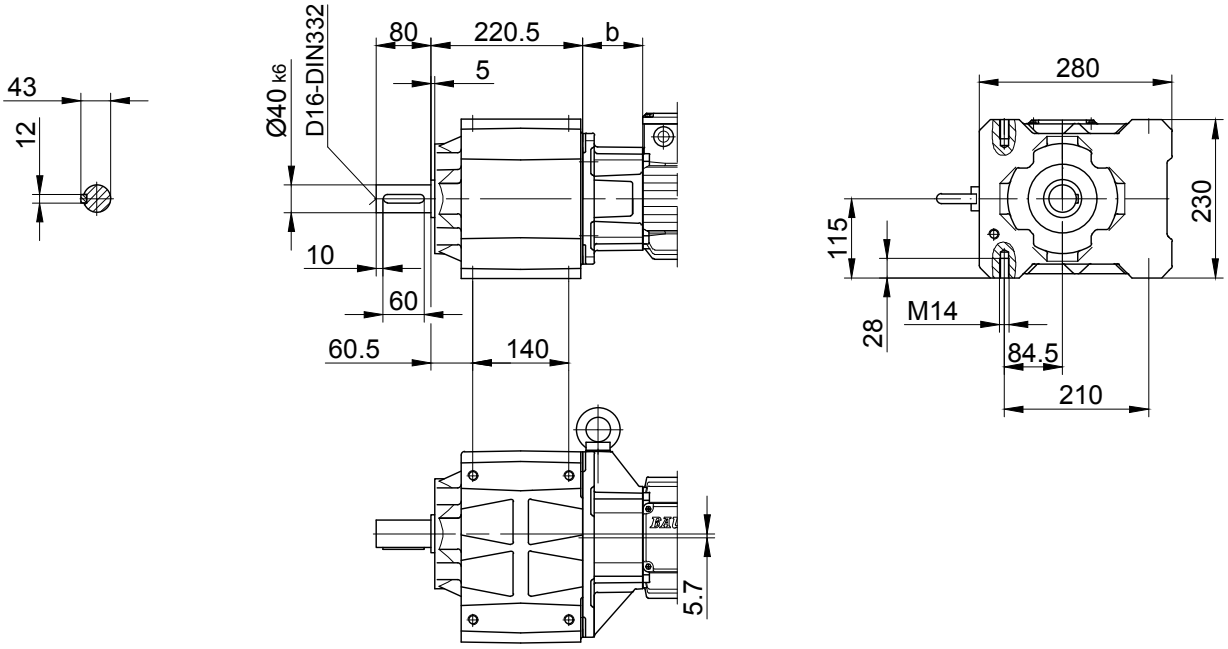
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG50-BG50Z

Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

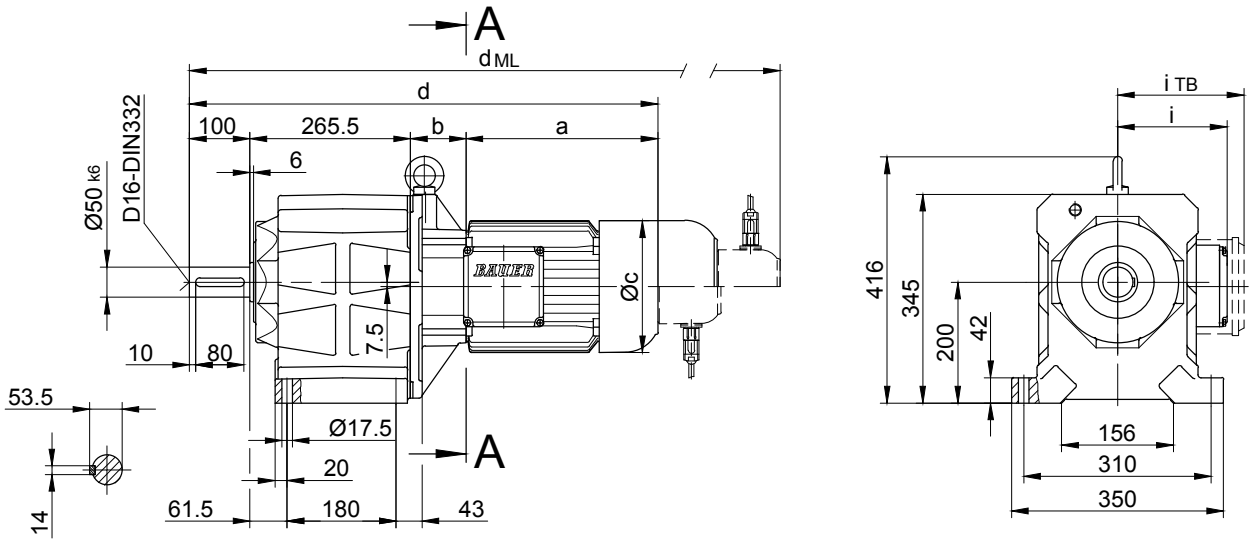
BG-series helical-geared motors

Dimension - Standard

BG60-BG60Z

Foot mounting with clearance holes

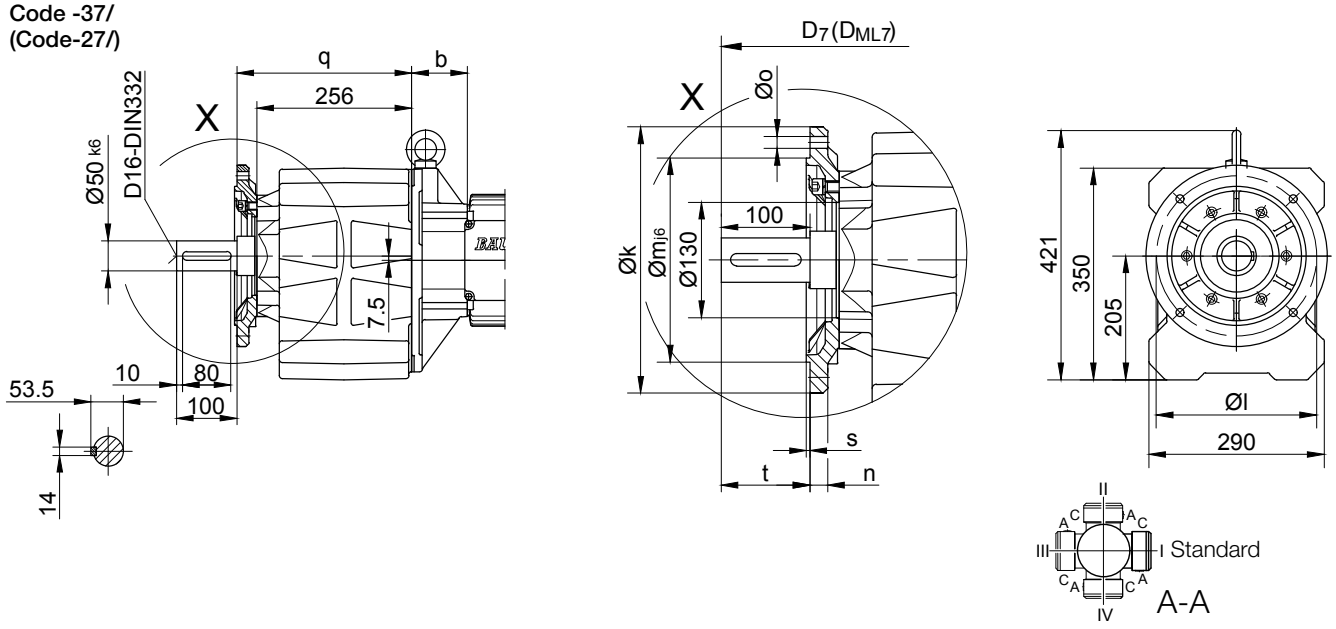
Code -11/



Flange with clearance holes

Code -37/

(Code-27/)

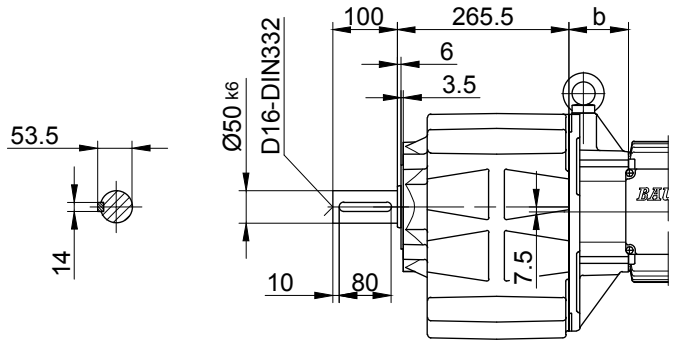


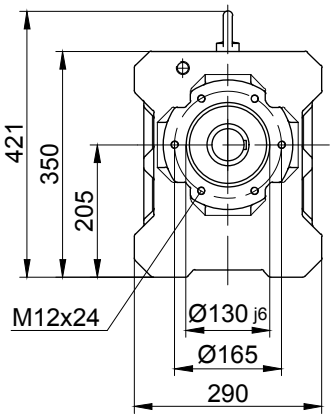
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG60..	Code -37/	300	265	230	20	13.5	289	4	100.5	d+23.5	d_{ML}+23.5
BG60..	Code -27/	250	215	180	16	13.5	286	4	103.5	d+23.5	d_{ML}+23.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG60Z-../S..08 (M, L)	199.5	181	156	746	114.5	136.5	812	858	919.5	-
BG60-../S..09 (S, X)	250.5	85.5	176	701.5	124	157	794.5	809	898.5	-
BG60Z-../S..09 (S, X)	250.5	195.5	176	811.5	124	157	904.5	919	1008.5	-
BG60-../S..11 (S, M, L)	319	92	218	776.5	165	176	874.5	884	976.5	-
BG60Z-../S..11 (S, M, L)	319	202	218	886.5	165	176	984.5	994	1086.5	-
Dimensions in millimetres (mm)										

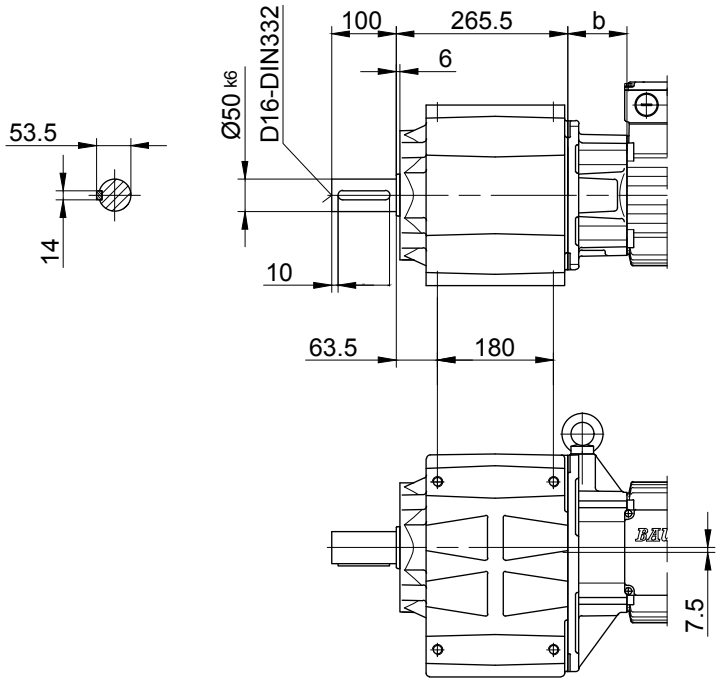
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

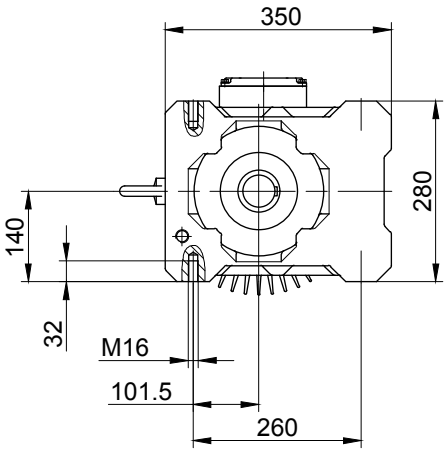
BG60-BG60Z
Flange with tapped holes
Code -71/





Foot with tapped holes left and right
Code -61LR/





10

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

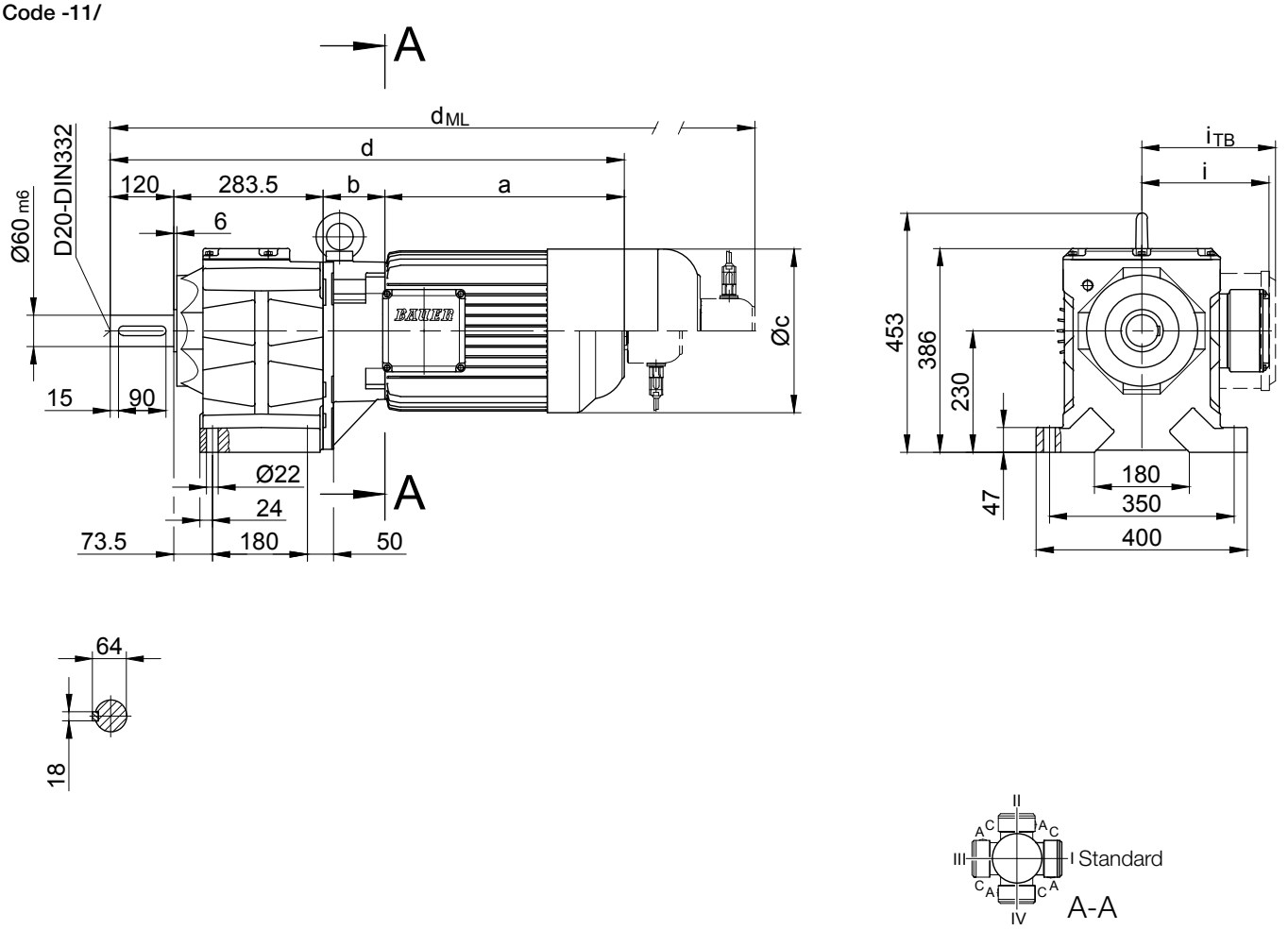
BG-series helical-geared motors

Dimension - Standard

BG70 - BG70Z

Foot mounting with clearance holes

Code -11/



10

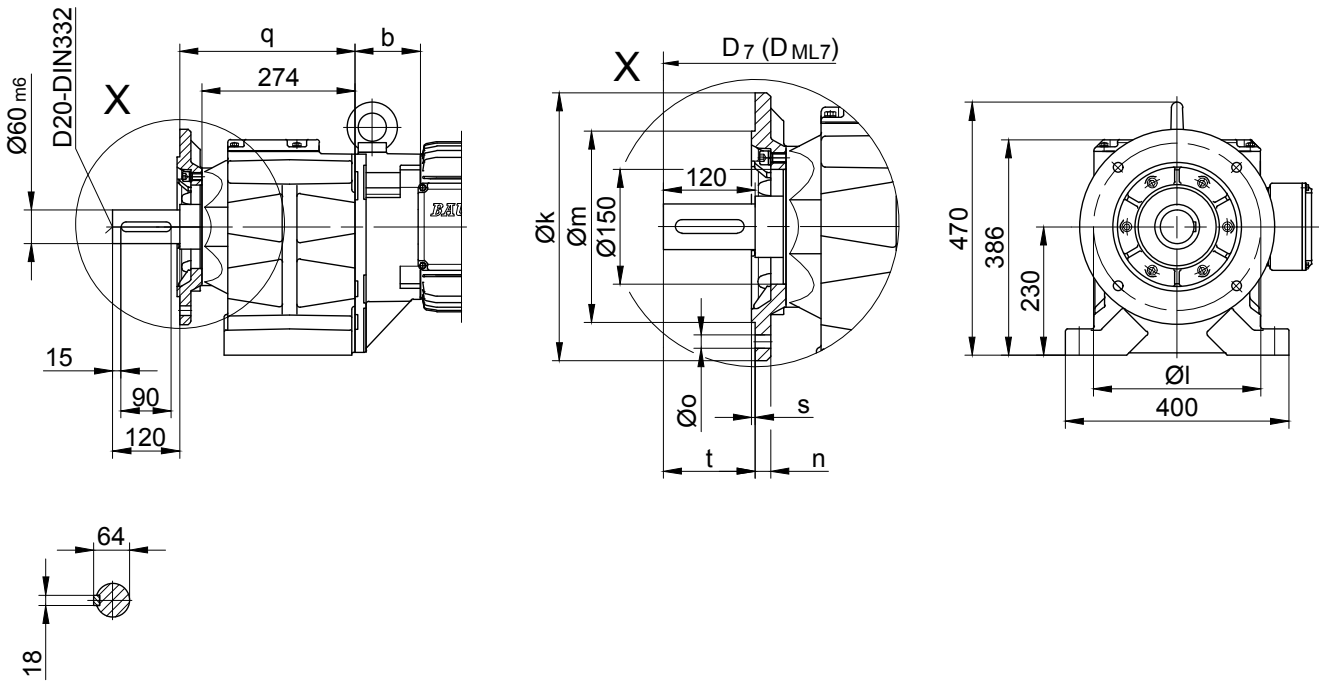
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG70..	Code -37/	350	300	250	20	17.5	314	5	120.5	d+30.5	d_{ML}+30.5
BG70..	Code -27/	300	265	230	20	13.5	322	4	113.5	d+30.5	d_{ML}+30.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG70Z-../S..08 (M, L)	199.5	202	156	805	114.5	136.5	871	917	978.5	-
BG70-../S..09 (S, X)	250.5	83.5	176	737.5	124	157	830.5	845	934.5	-
BG70Z-../S..09 (S, X)	250.5	216.5	176	870.5	124	157	963.5	978	1067.5	-
BG70-../S..11 (S, M, L)	319	90	218	812.5	165	176	910.5	920	1012.5	-
BG70Z-../S..11 (S, M, L)	319	223	218	945.5	165	176	1043.5	1053	1145.5	-
Dimensions in millimetres (mm)										

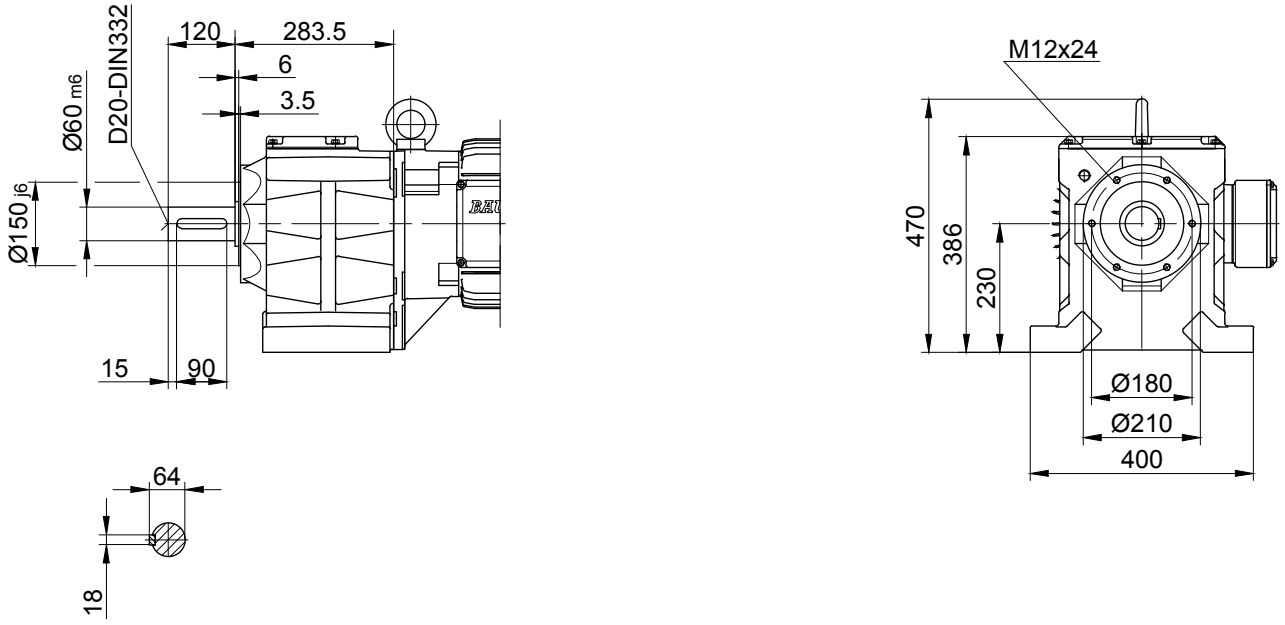
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG70 - BG70Z

Flange with clearance holes
Code -37/
(Code -27/)



Flange with tapped holes
Code -71/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

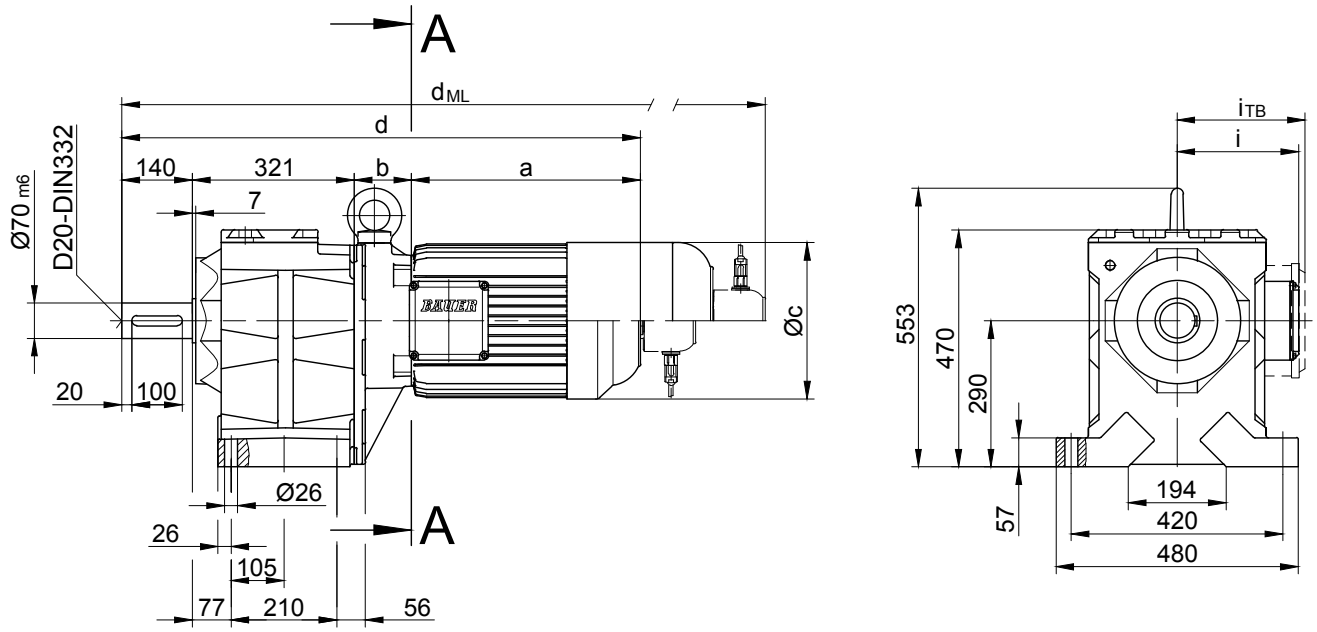
BG-series helical-geared motors

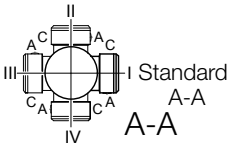
Dimension - Standard

BG80-BG80Z

Foot mounting with clearance holes

Code -11/





10

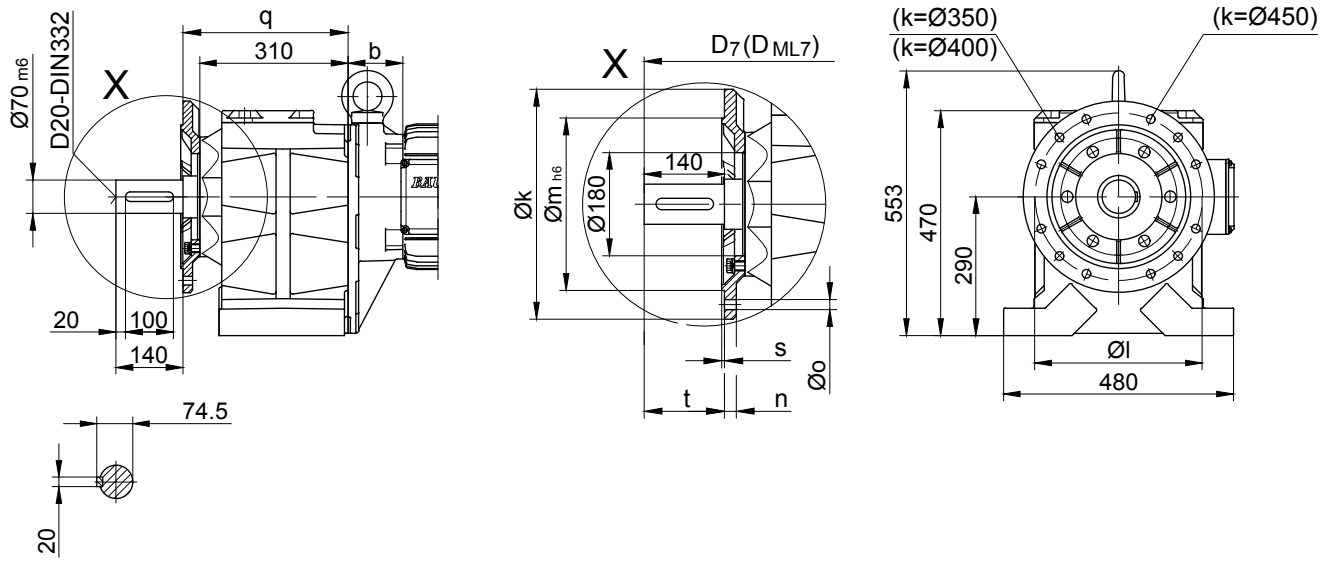
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG80..	Code -37/	400	350	300	20	4 x 17.5	345	5	141	d+24	d_{ML}+24
BG80..	Code -27/	350	300	250	20	4 x 17.5	345	5	141	d+24	d_{ML}+24
BG80..	Code -47/	450	400	350	22	8 x 17.5	355	5	131	d+24	d_{ML}+24
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG80Z-../S..09 (S, X)	250.5	252.5	176	964	124	157	1057	1071.5	1161	-
BG80-../S..11 (S, M, L)	319	87	218	867	165	176	965	974.5	1067	-
BG80Z-../S..11 (S, M, L)	319	259	218	1039	165	176	1137	1146.5	1067	-
Dimensions in millimetres (mm)										

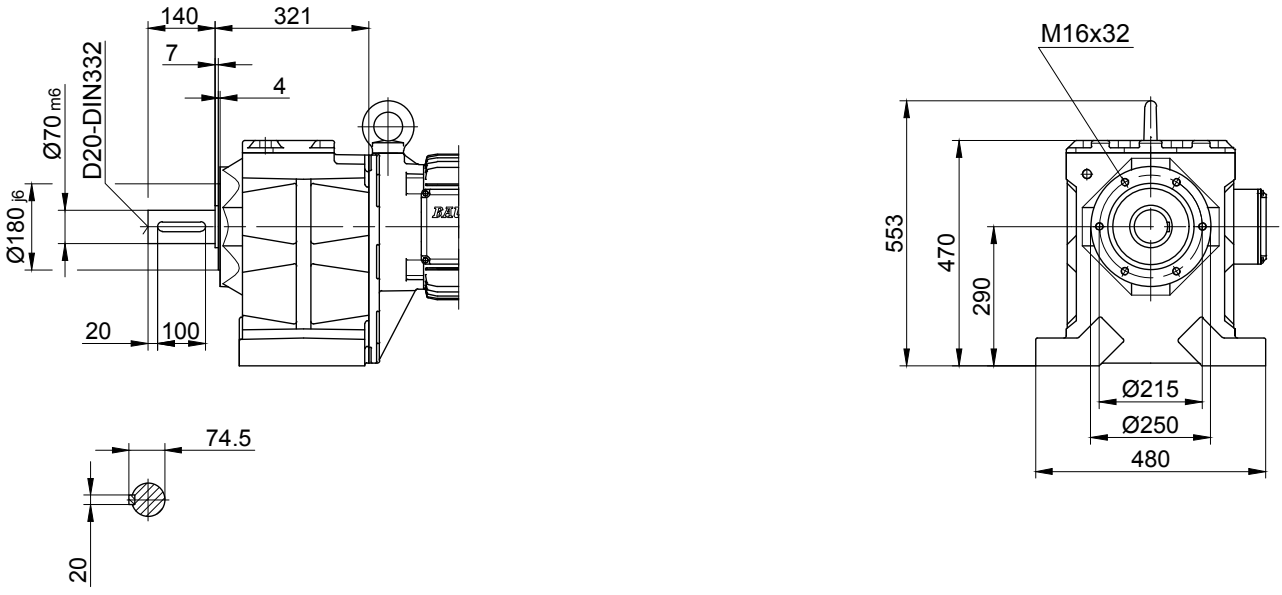
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG80-BG80Z

Flange with clearance holes
Code -37/
(Code -27/)
(Code -47/)



Flange with tapped holes
Code -71/



10

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

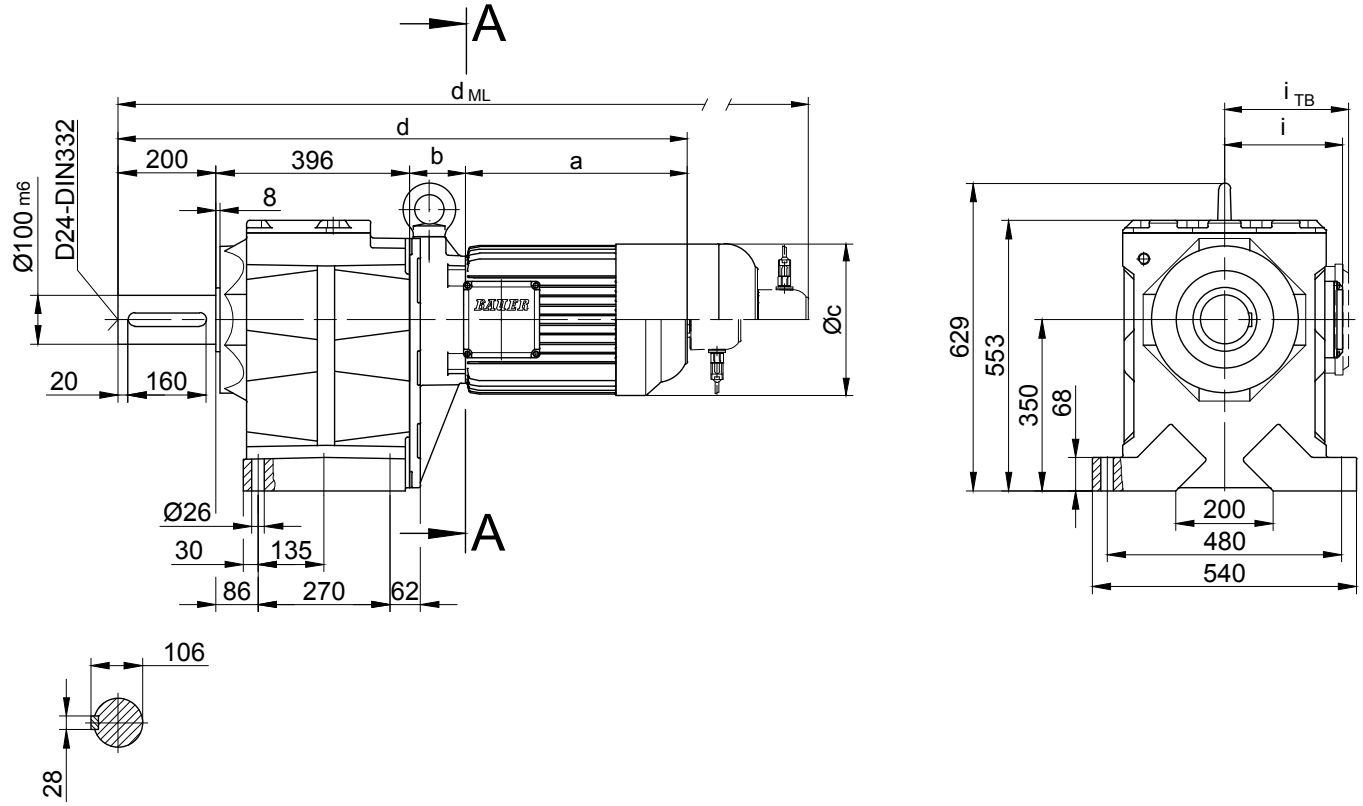
BG-series helical-geared motors

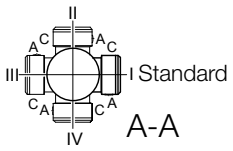
Dimension - Standard

BG90-BG90Z

Foot mounting with clearance holes

Code -11/





10

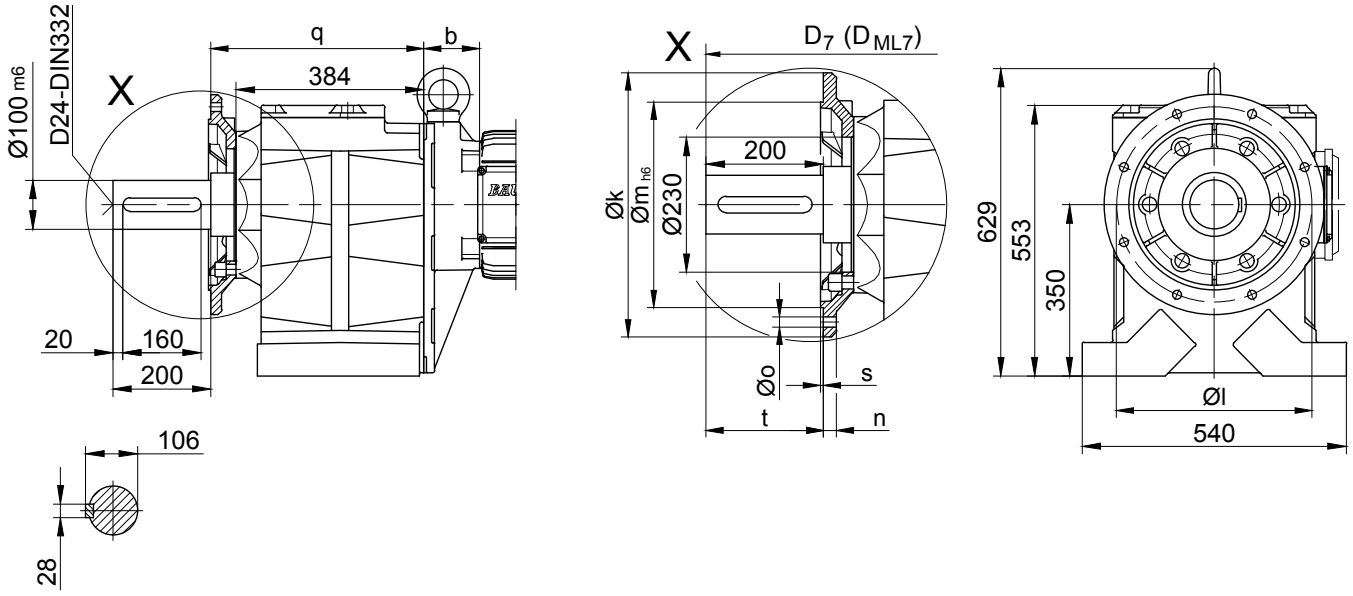
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG90..	Code -37/	450	400	350	22	17.5	439	5	201	d+43	d_{ML}+43
BG90..	Code -47/	550	500	450	22	17.5	444	5	196	d+43	d_{ML}+43
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG90Z-../S..09 (S, X)	250.5	267	176	1113.5	124	157	1206.5	1221	1310.5	-
BG90Z-../S..11 (S, M, L)	319	273.5	218	1188.5	165	176	1286.5	1296	1388.5	-
Dimensions in millimetres (mm)										

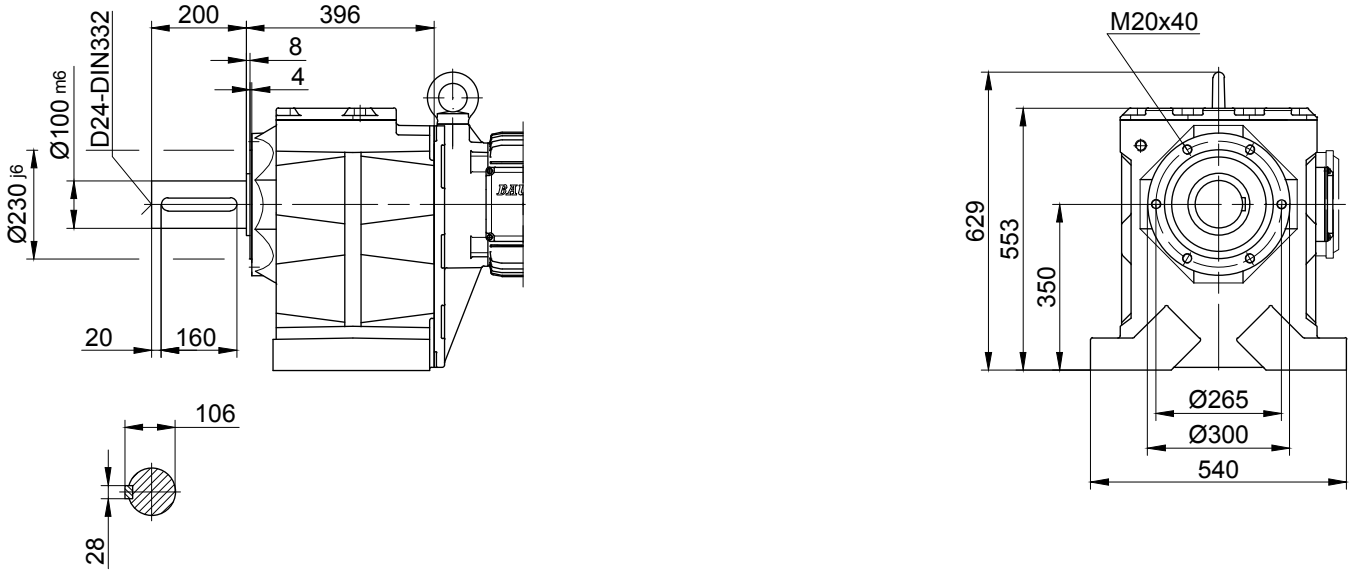
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG90-BG90Z

Flange with clearance holes
Code -37/
(Code -47/)



Flange with tapped holes
Code -71/



10

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

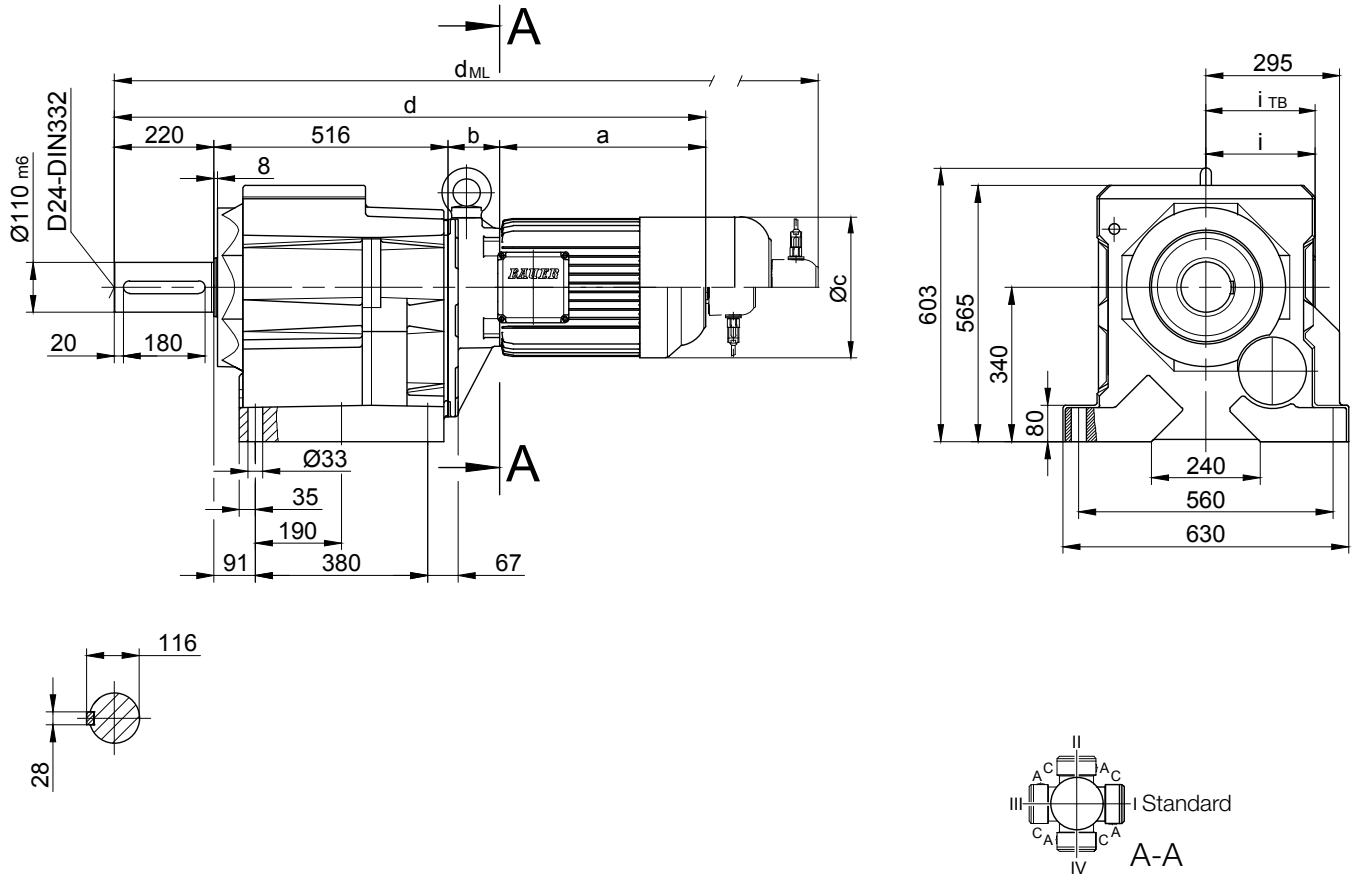
BG-series helical-geared motors

Dimension - Standard

BG100-BG100Z

Foot mounting with clearance holes

Code -11/



10

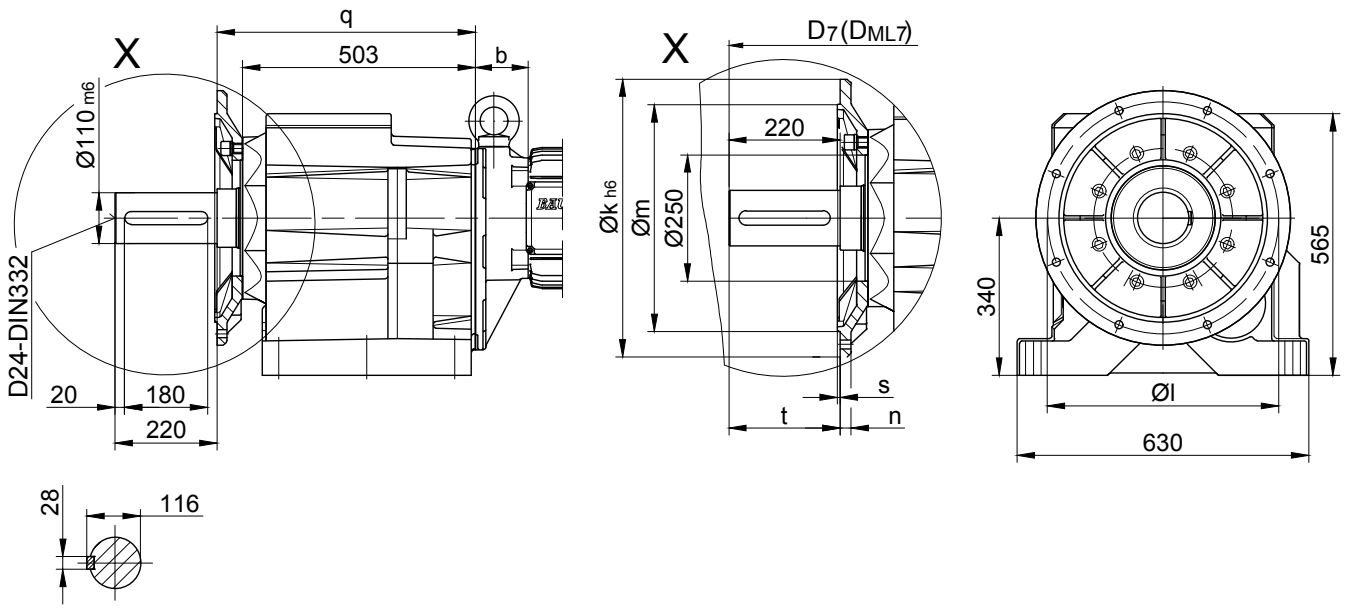
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG100..	Code -37/	550	500	450	22	17.5	558	5	220	d+42	d_{ML}+42
BG100..	Code -47/	660	600	550	25	22	552	6	227	d+42	d_{ML}+42
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG100Z-../S..09 (S, X)	250.5	252.5	176	1239	124	157	1332	1346.5	1436	-
BG100-../S..11 (S, M, L)	319	87	218	1142	165	176	1240	1249.5	1342	-
BG100Z-../S..11 (S, M, L)	319	259	218	1314	165	176	1412	1421.5	1514	-
Dimensions in millimetres (mm)										

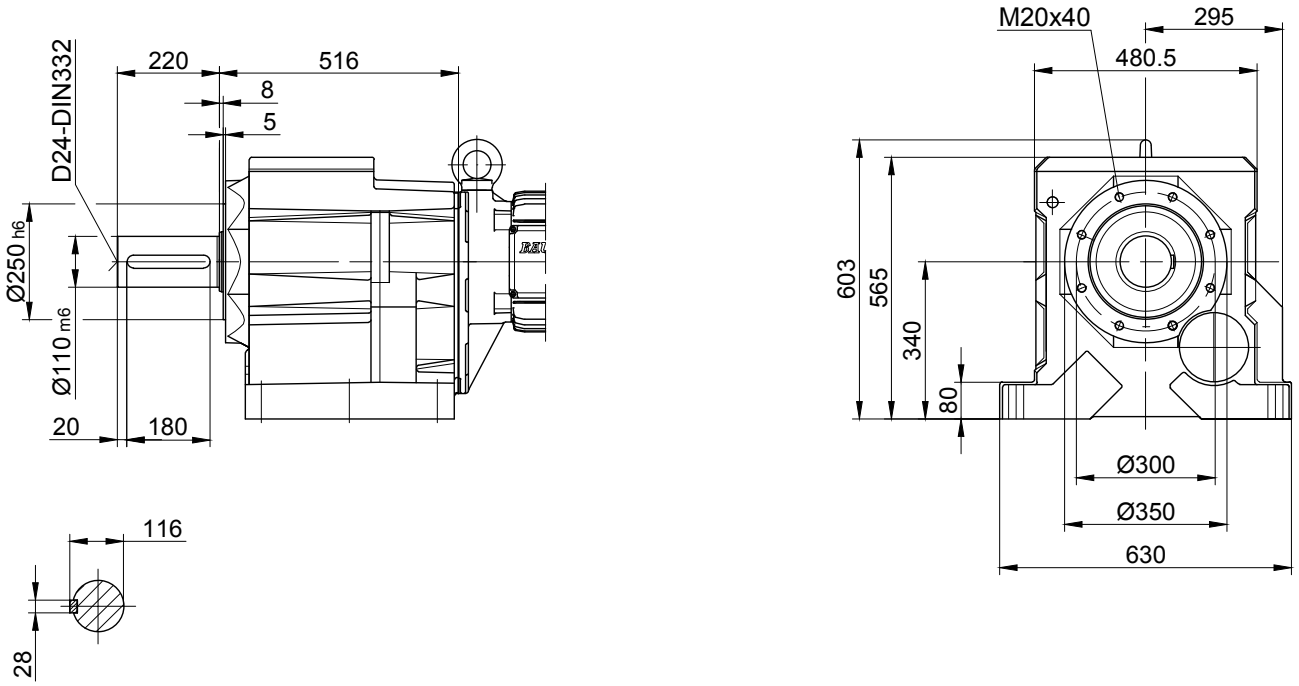
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG100-BG100Z

Flange with clearance holes
Code -37/
(Code -47/)



Flange with tapped holes
Code -71/

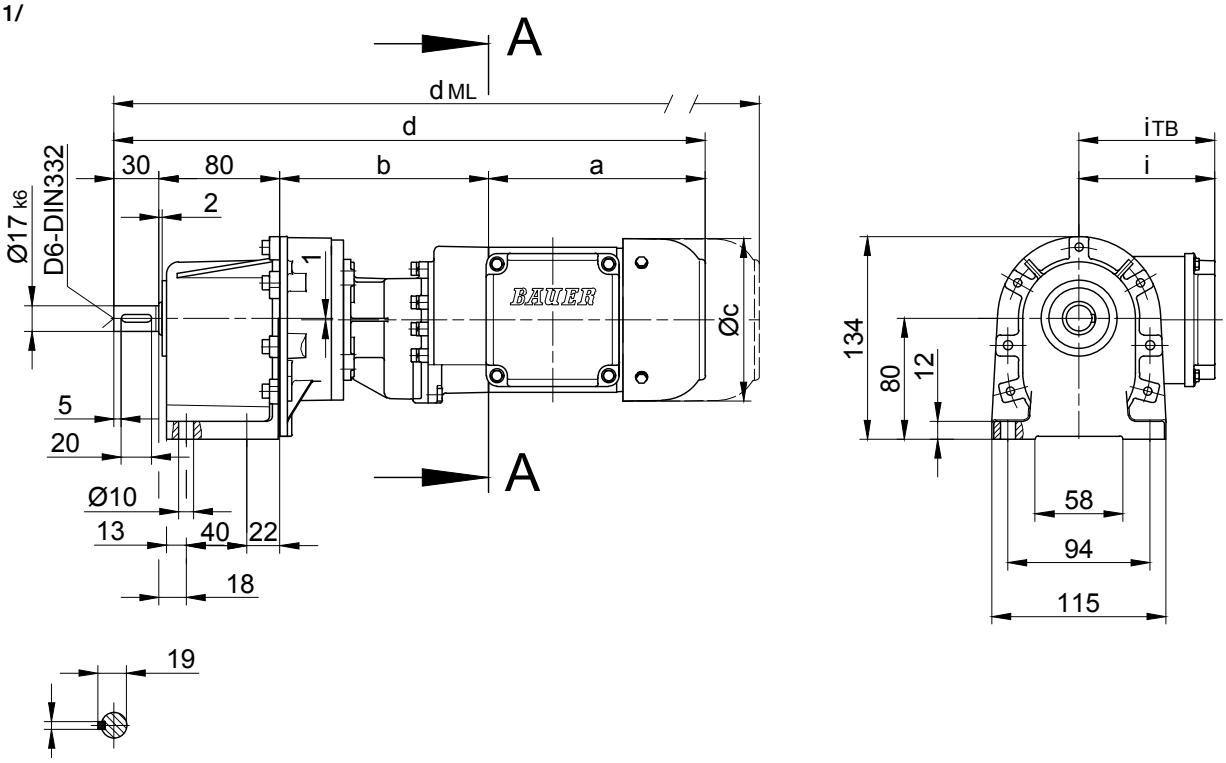


10

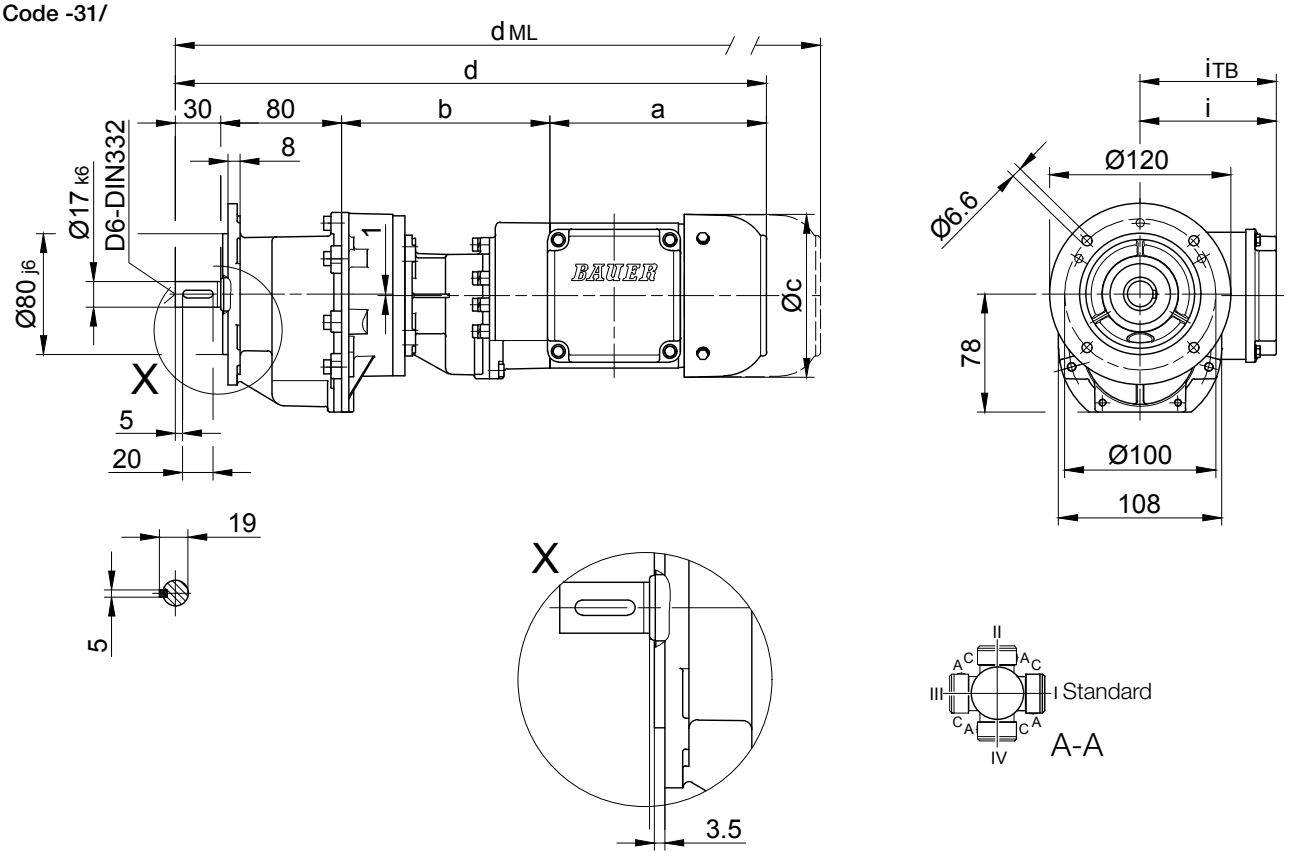
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG06G04

Foot mounting
Code -11/



Flange with clearance holes
Code -31/



Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG06G04-../S04S	142.5	134	110.5	386.5	90	112	430	474	517.5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

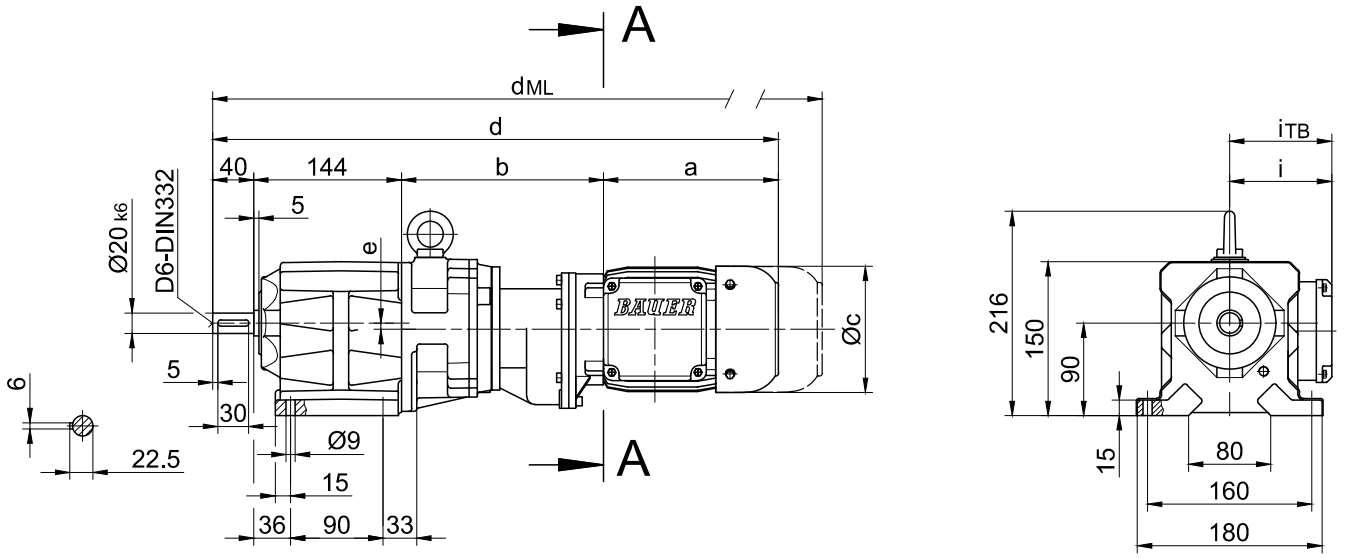
BG-series helical-geared motors

Dimension - Tandem Gearbox

BG10G06

Foot mounting with clearance holes

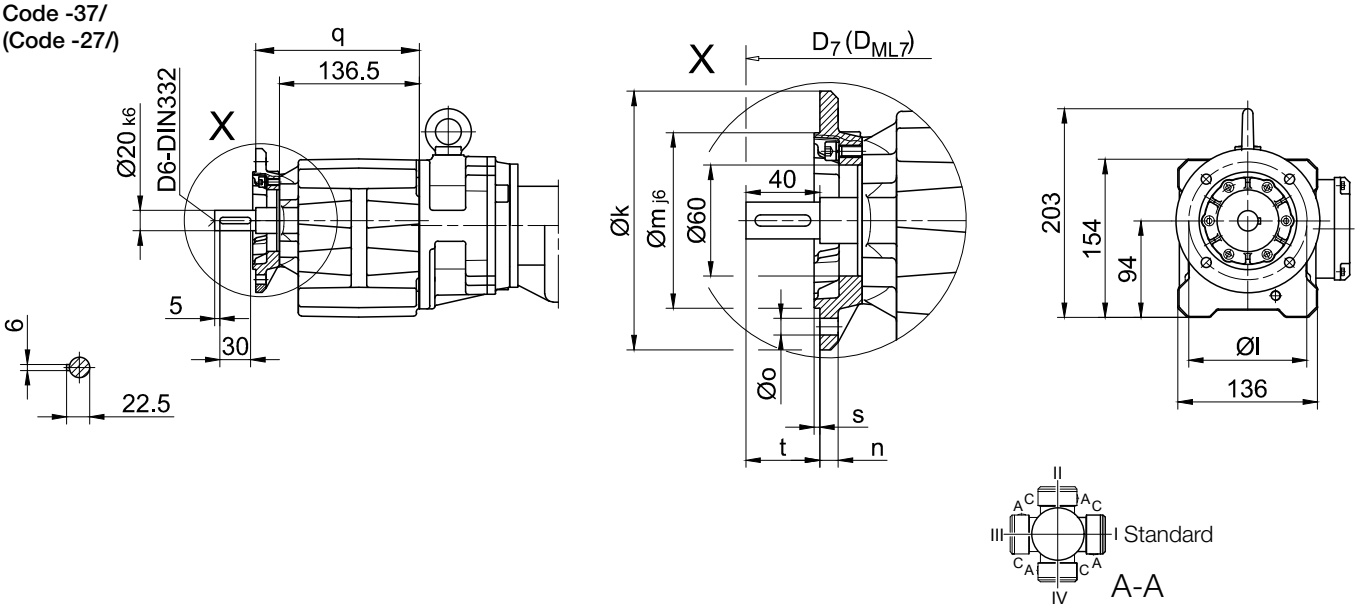
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



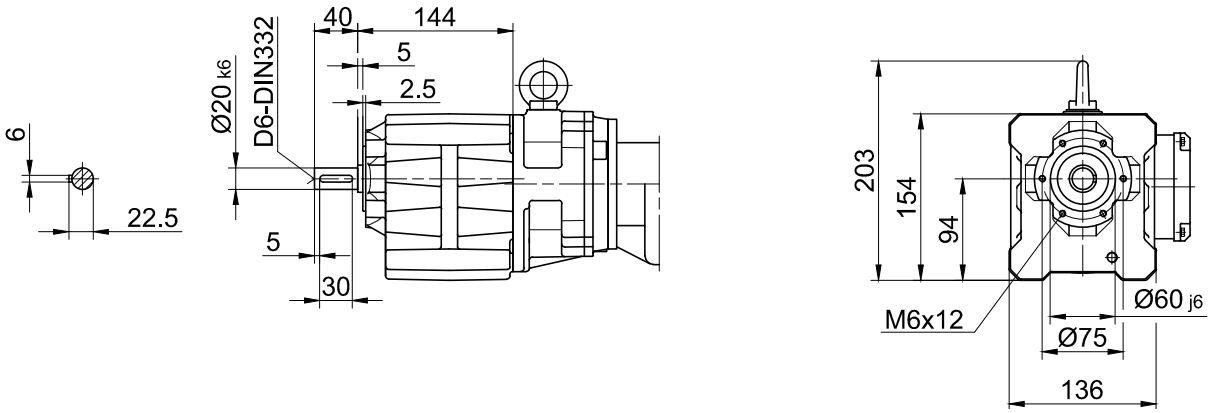
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG10..	Code -37V/	140	115	95	10	9	159.5	3	40.5	d+15.5	d_{ML}+15.5
BG10..	Code -27V/	120	100	80	8	6.6	154.5	3	45.5	d+15.5	d_{ML}+15.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG10G06-../S04S	142.5	195	110.5	521.5	90	112	565	609	652.5	-
BG10G06-../S..06 (M, L)	170.5	197	123	551.5	99	119	593.5	654	691.5	-
BG10G06-../S..08 (M, L)	199.5	241	156	624.5	114.5	136.5	690.5	736.5	798	-
Dimensions in millimetres (mm)										

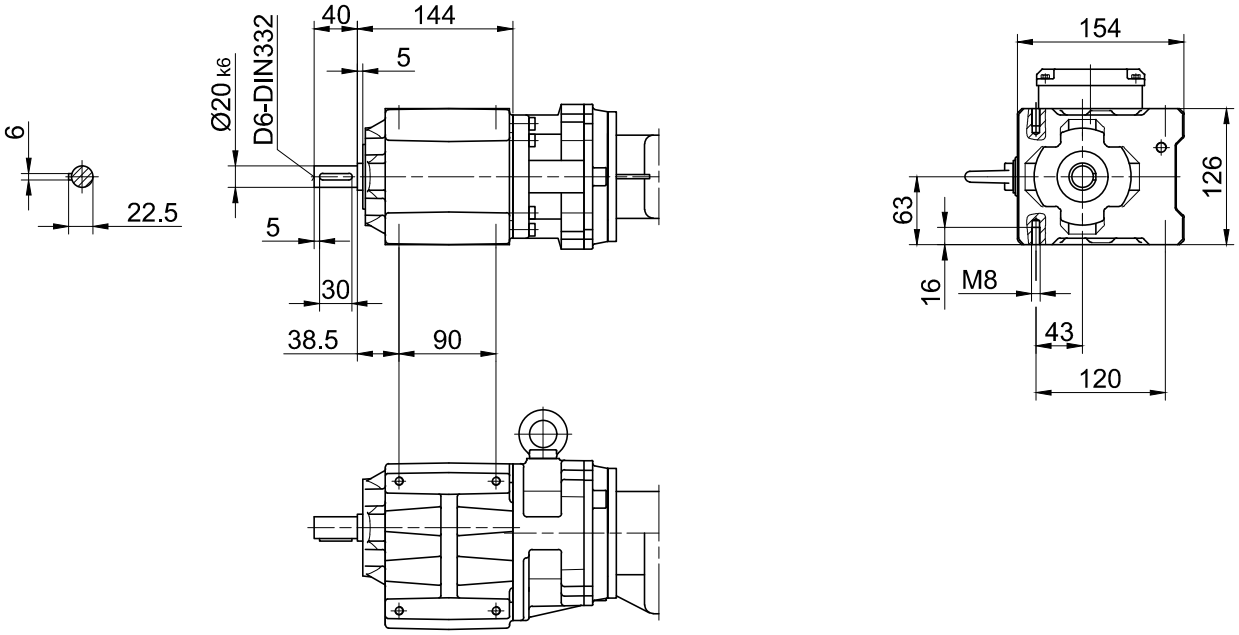
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG10G06

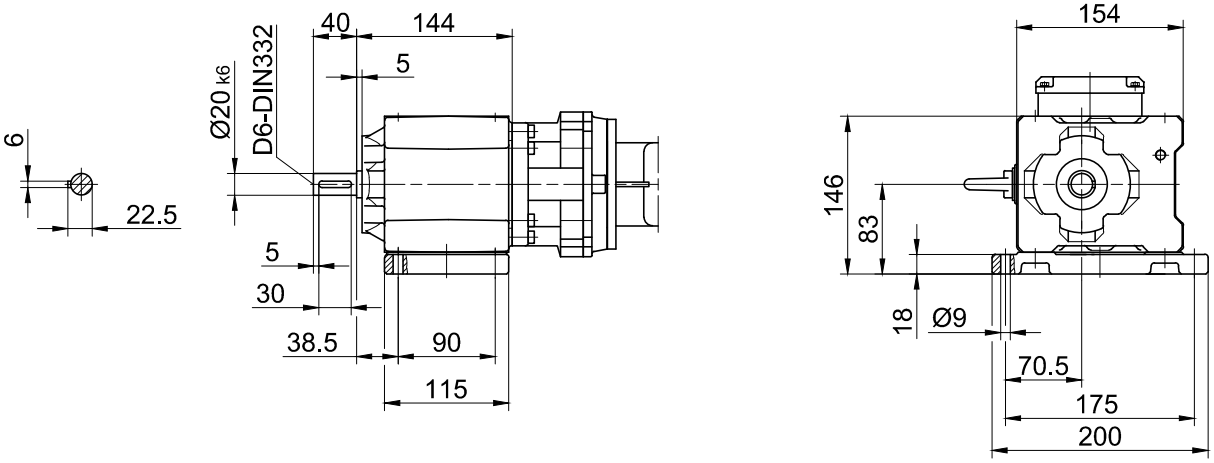
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



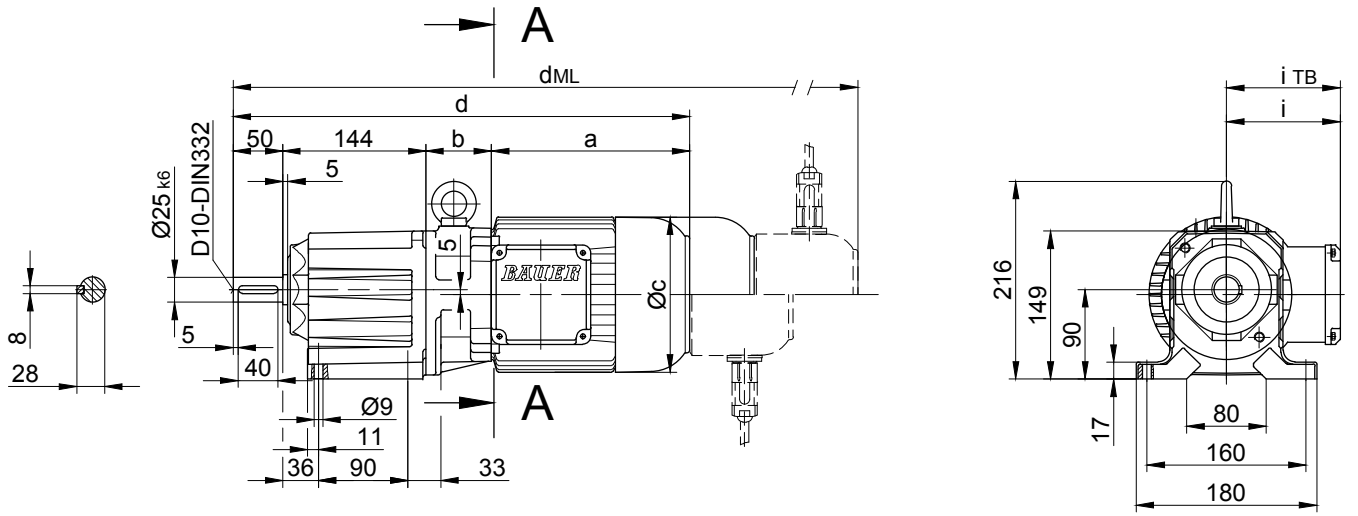
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

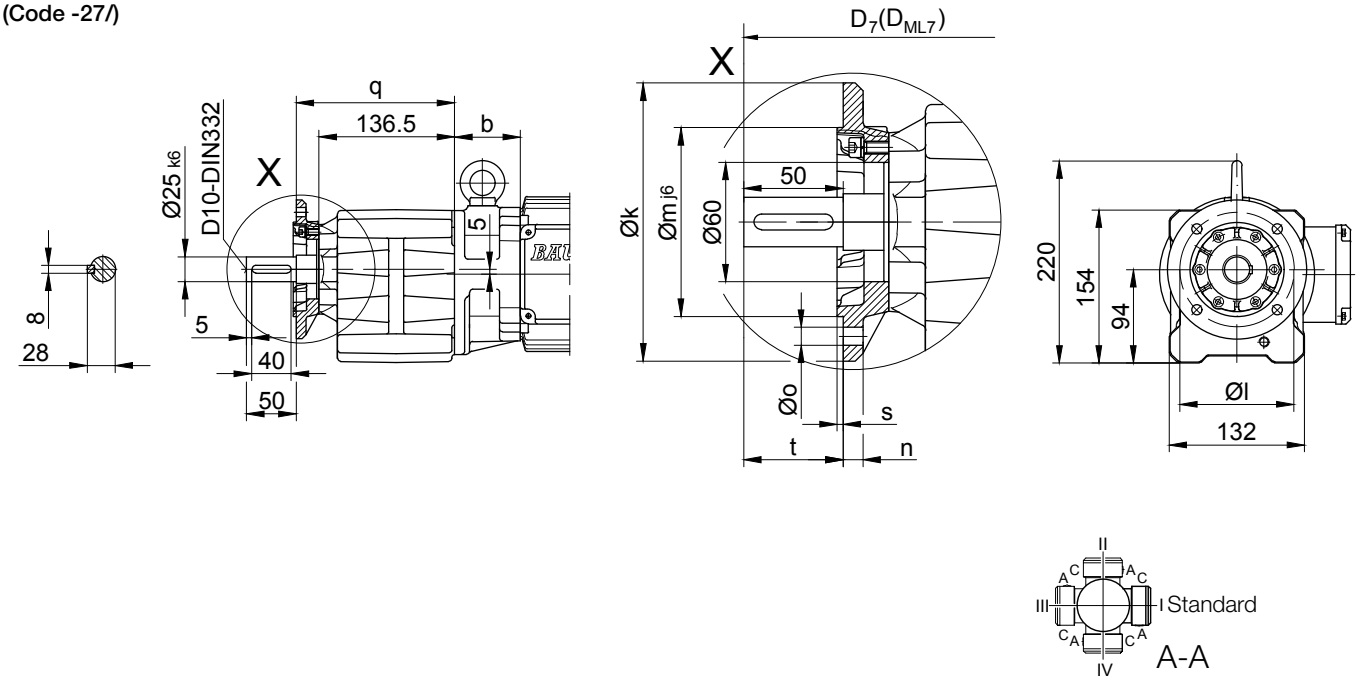
Dimension - Tandem Gearbox

BG10XG06

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -27/)



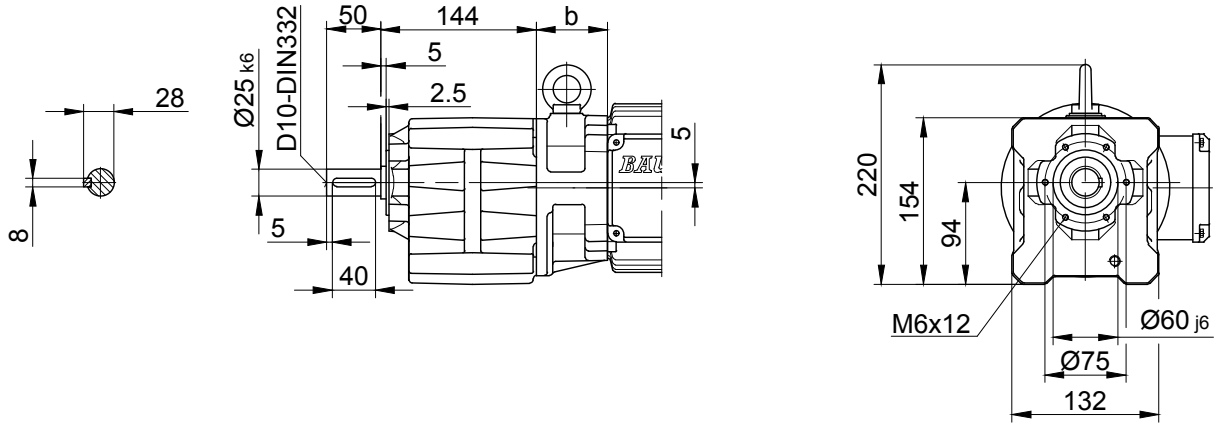
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG10X..	Code -37V/	140	115	95	10	9	159.5	3	50.5	d+15.5	d_{ML}+15.5
BG10X..	Code -27V/	120	100	80	8	6.6	154.5	3	55.5	d+15.5	d_{ML}+15.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG10XG06-../S04S	142.5	195	110.5	531.5	90	112	575	619	662.5	-
BG10XG06-../S..06 (M, L)	170.5	197	123	561.5	99	119	603.5	664	701.5	-
BG10XG06-../S..08 (M, L)	199.5	241	156	634.5	114.5	136.5	700.5	746.5	808	-
Dimensions in millimetres (mm)										

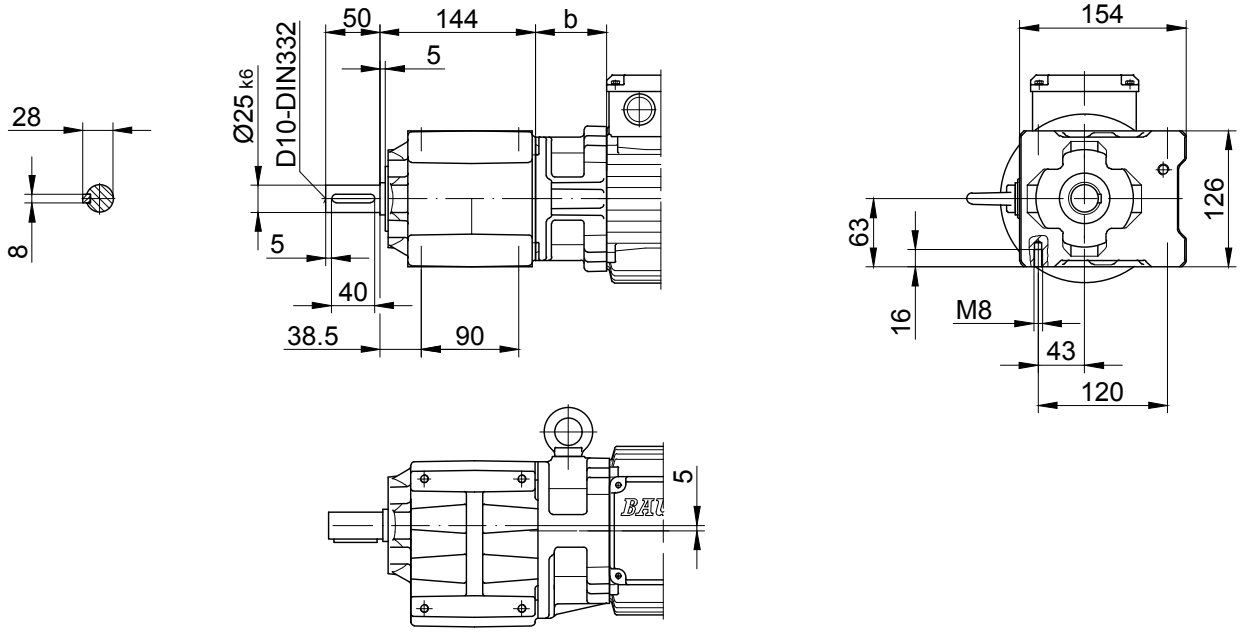
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG10XG06

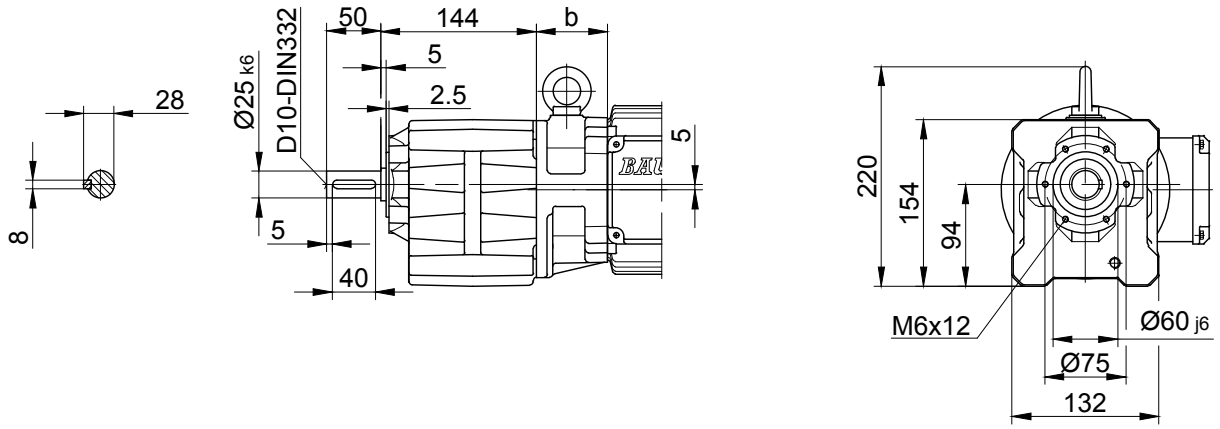
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



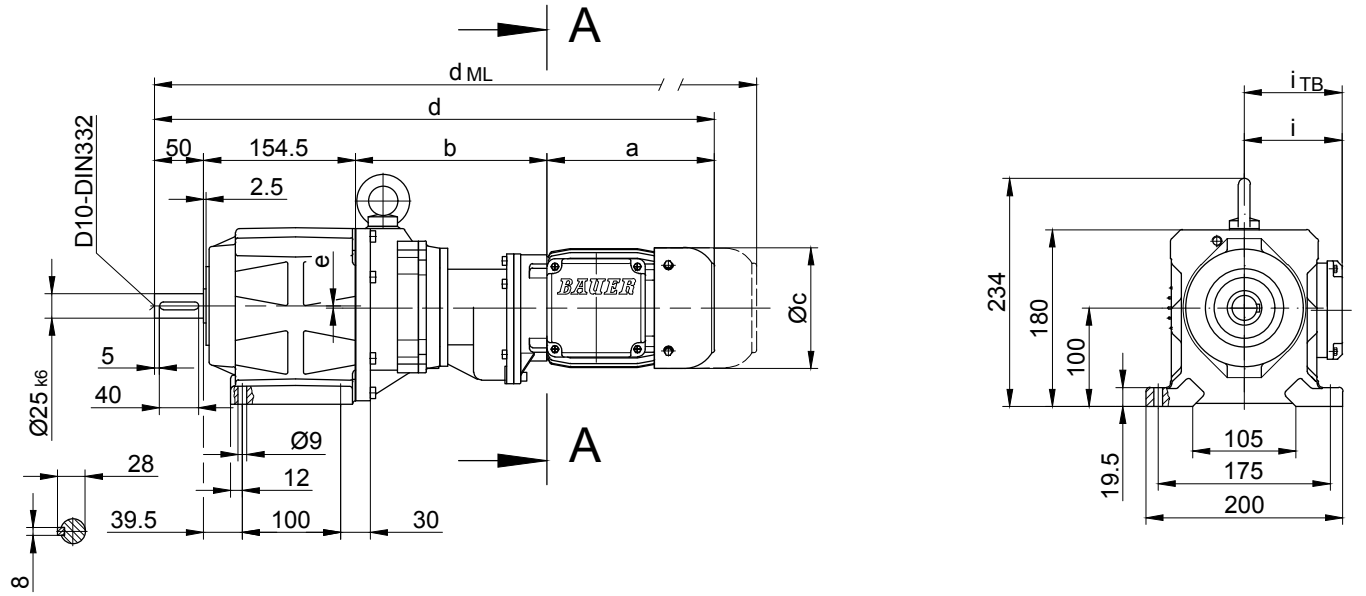
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

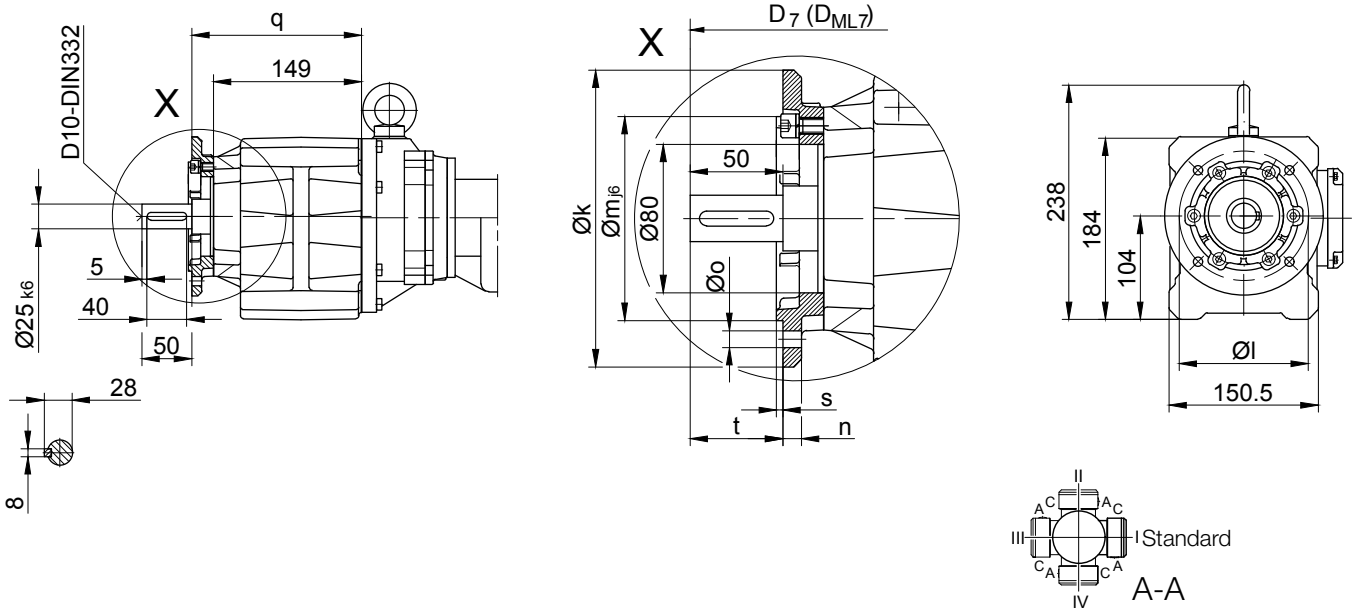
Dimension - Tandem Gearbox

BG20G06

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -47/)



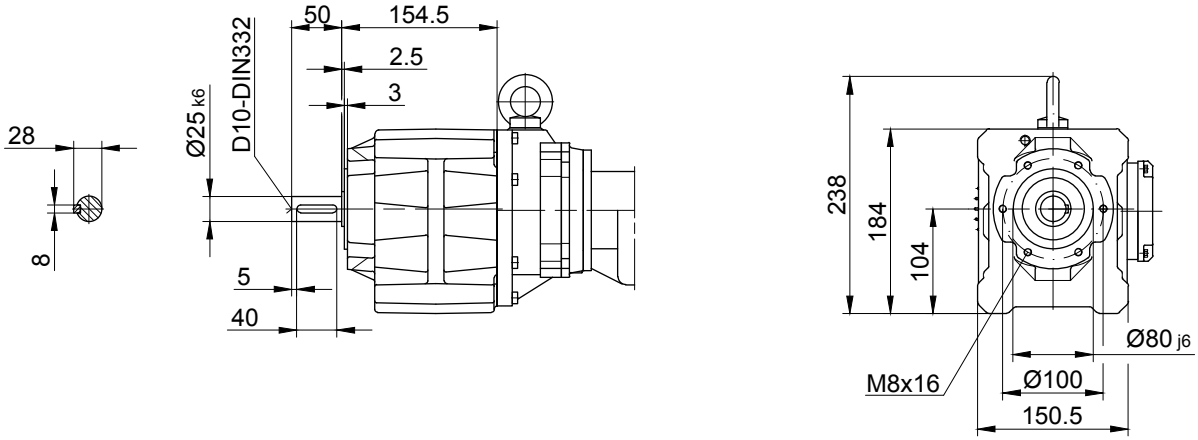
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG20..	Code -37V/	160	130	110	10	9	171	3.5	50.5	d+16.5	d_{ML}+16.5
BG20..	Code -47V/	200	165	130	12	11	178	3.5	43.5	d+16.5	d_{ML}+16.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG20G06-../S04S	142.5	193	110.5	540	90	112	583.5	627.5	671	-
BG20G06-../S..06 (M, L)	170.5	195	123	570	99	119	612	672.5	710	-
BG20G06-../S..08 (M, L)	199.5	239	156	643	114.5	136.5	709	755	816.5	-
Dimensions in millimetres (mm)										

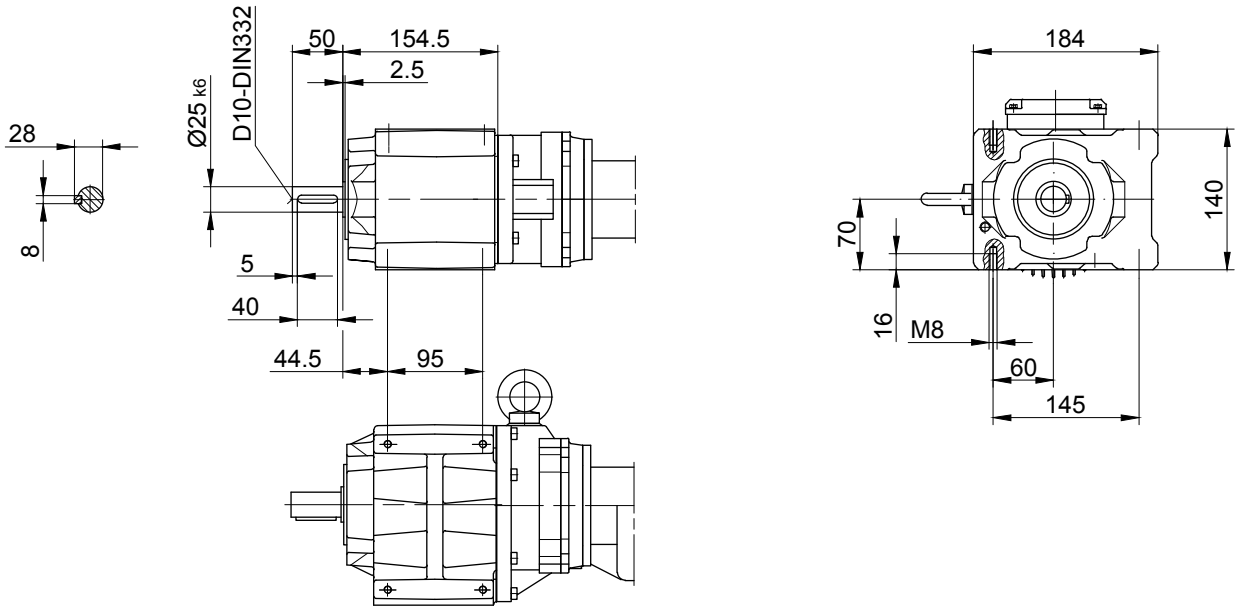
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG20G06

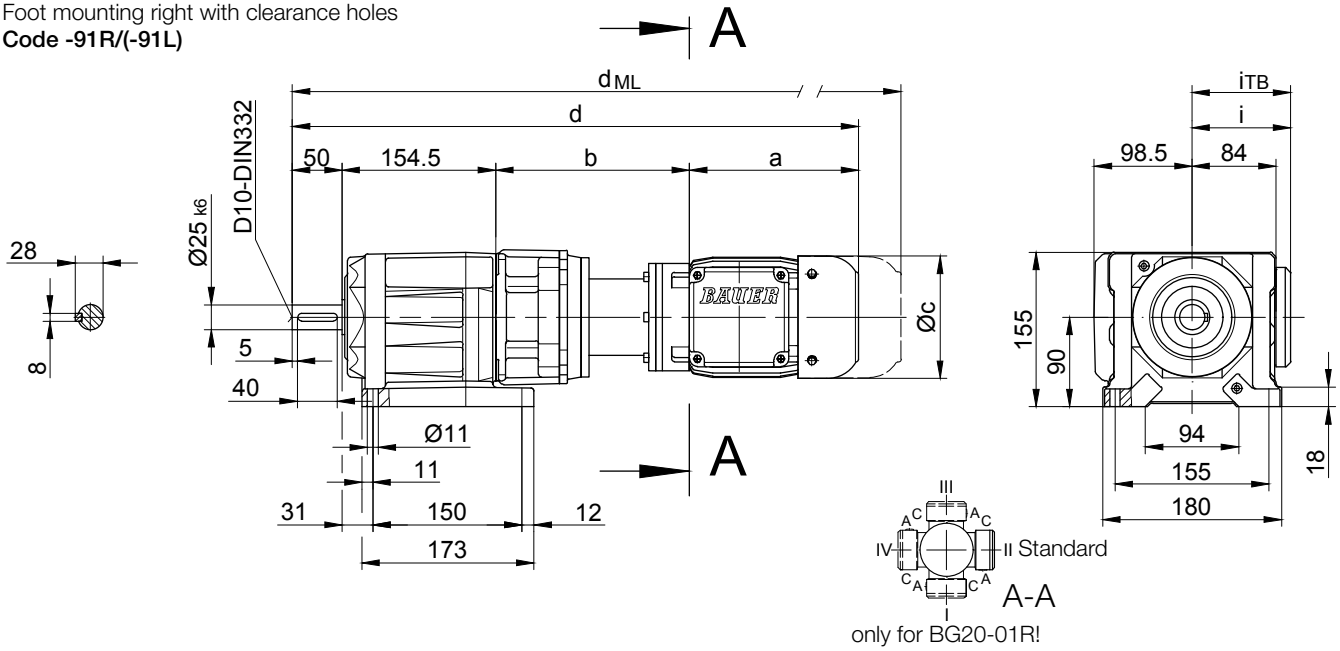
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot mounting right with clearance holes
Code -91R/(-91L)



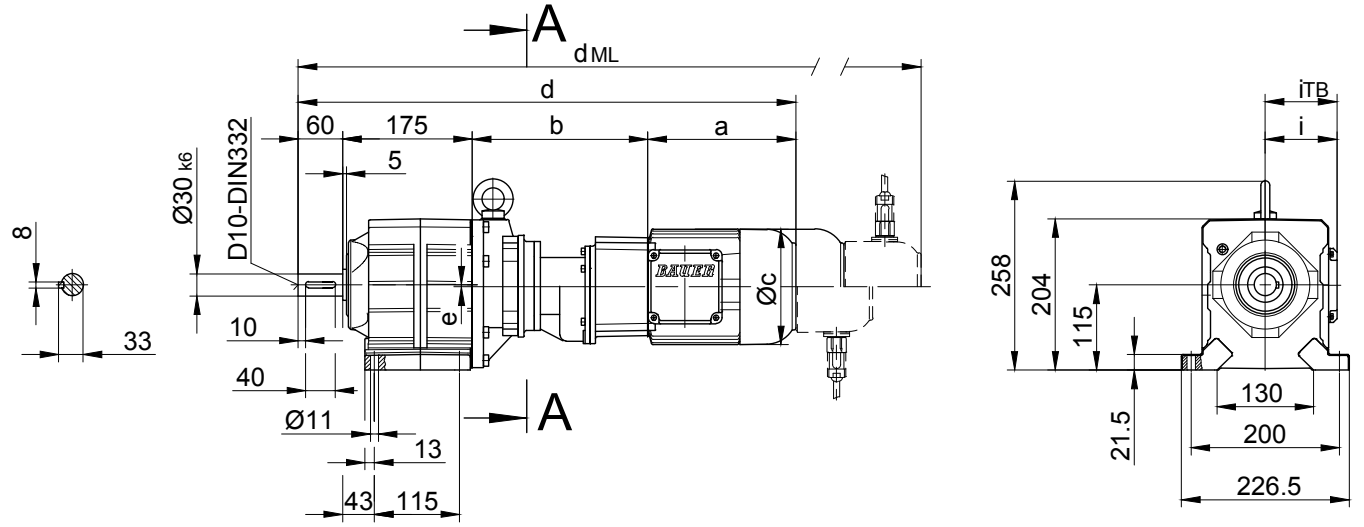
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

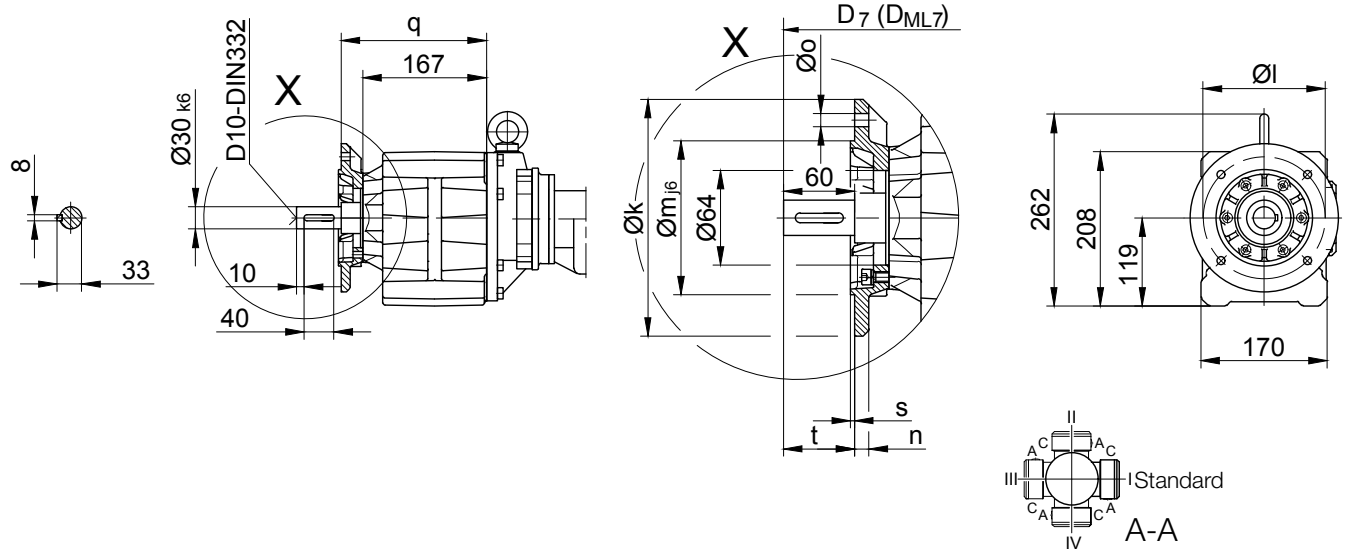
Dimension - Tandem Gearbox

BG30G06

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -27/)



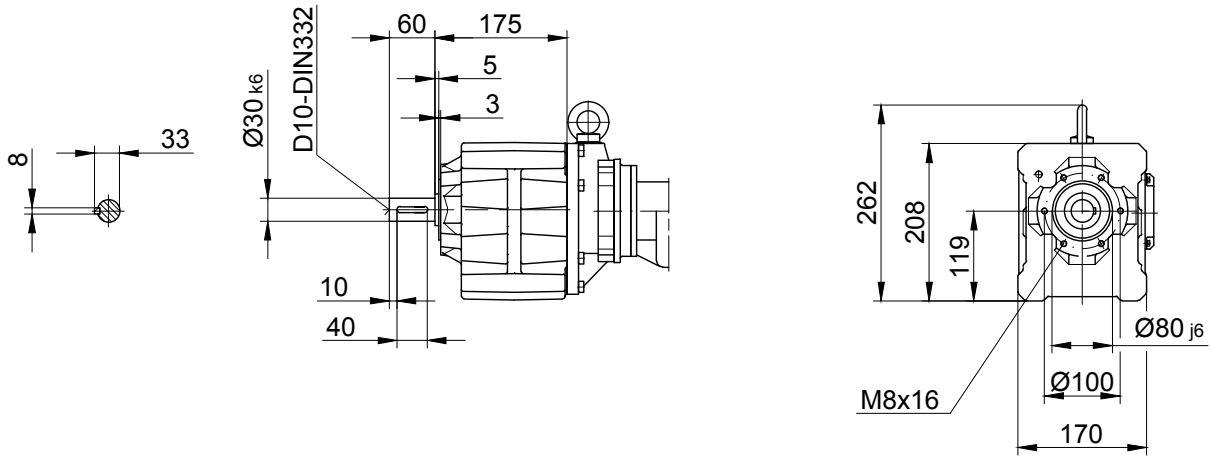
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG30..	Code -37/	200	165	130	12	11	196	3.5	60.5	d+21	d_{ML}+21
BG30..	Code -27/	160	130	110	10	9	189	3.5	67.5	d+21	d_{ML}+21
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG30G06-../S04S	142.5	191	110.5	568.5	90	112	612	656	699.5	-
BG30G06-../S..06 (M, L)	170.5	193	123	598.5	99	119	640.5	701	738.5	-
BG30G06-../S..08 (M, L)	199.5	237	156	671.5	114.5	136.5	737.5	783.5	845	-
Dimensions in millimetres (mm)										

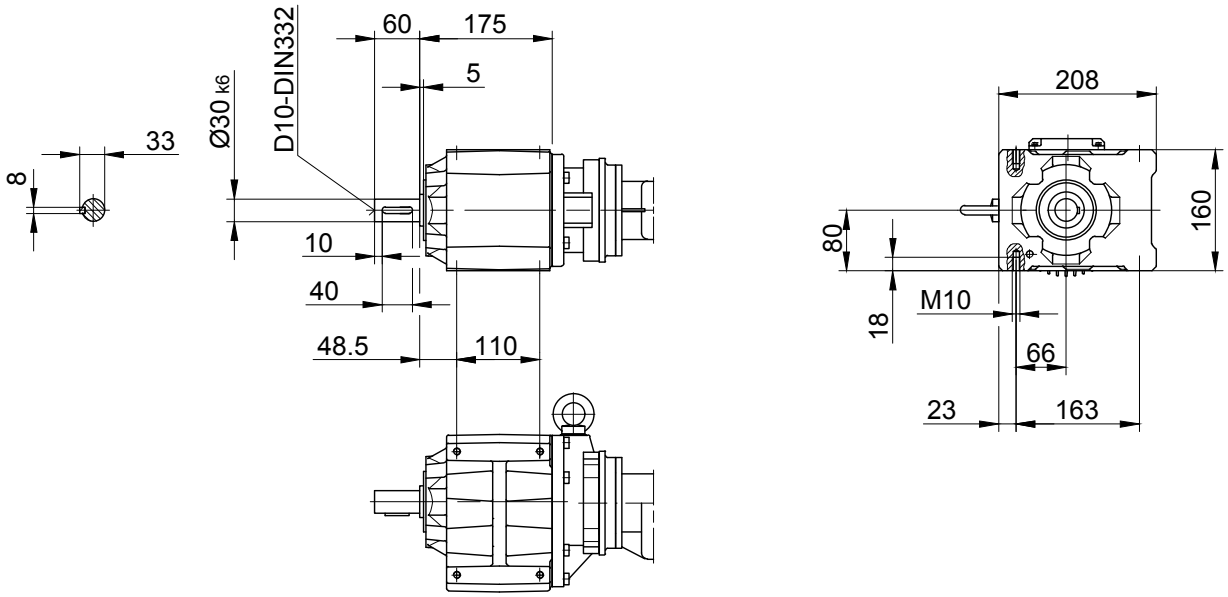
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG30G06

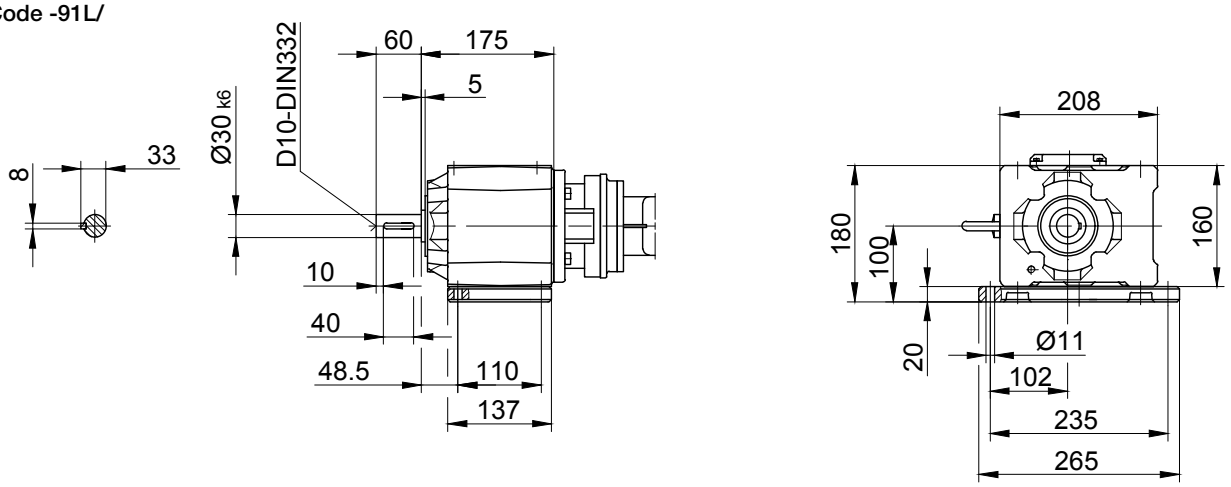
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



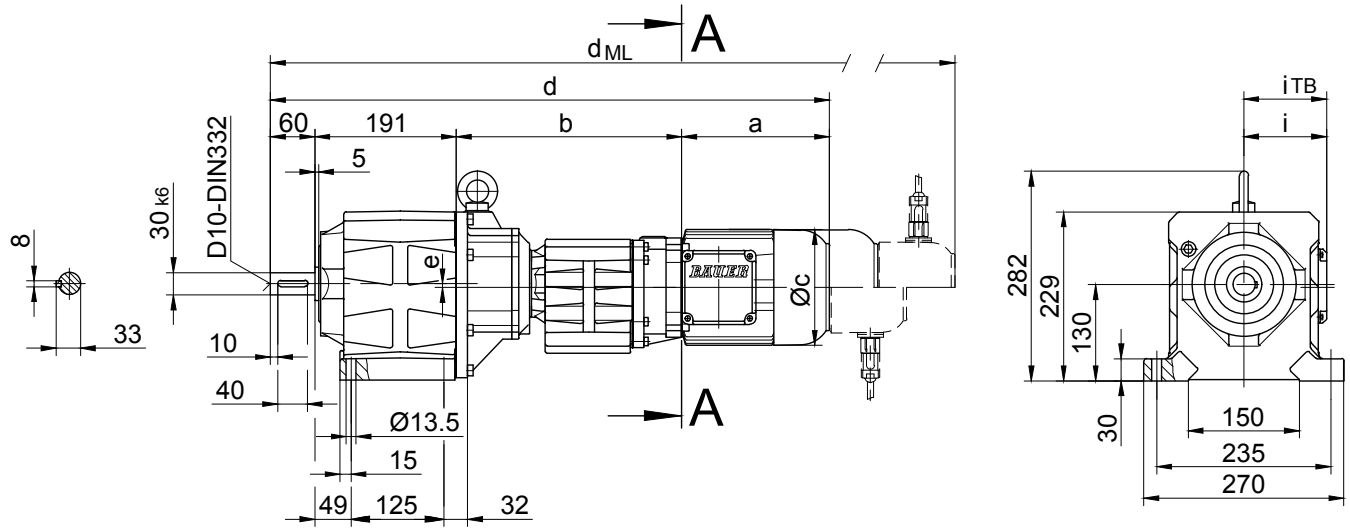
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

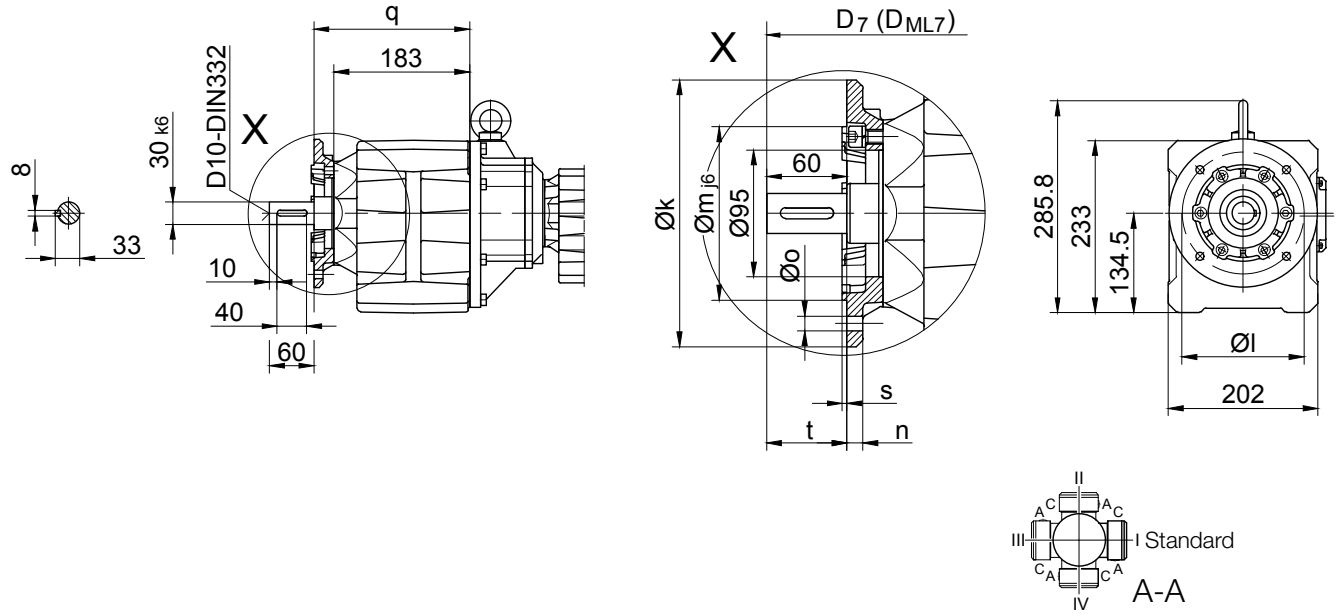
Dimension - Tandem Gearbox

BG40G10

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -47/)



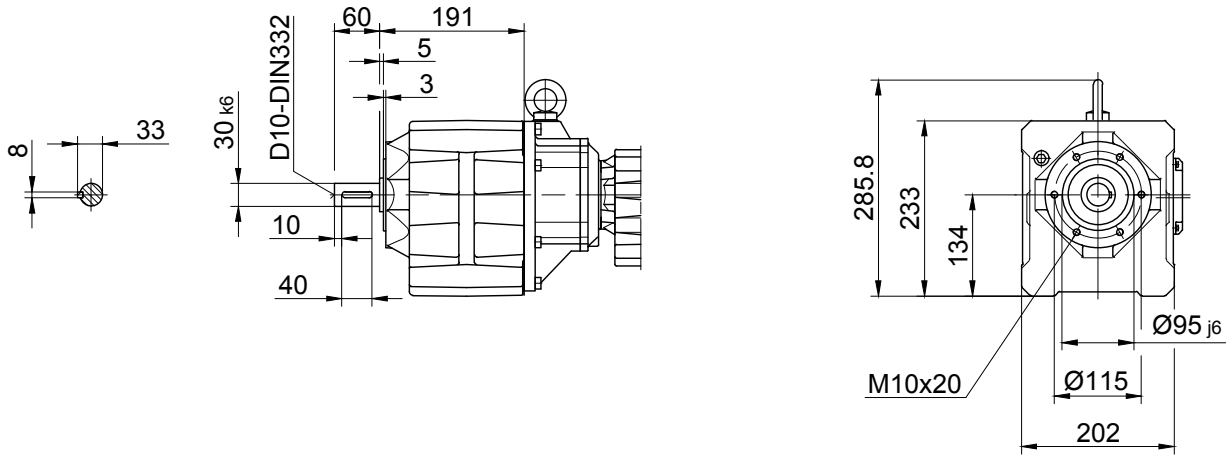
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG40..	Code -37/	200	165	130	12	11	210	3.5	61	d+19	d_{ML}+19
BG40..	Code -47/	250	215	180	16	13.5	219	4	52	d+19	d_{ML}+19
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG40G10-../S..06 (M, L)	170.5	300	123	721.5	99	119	763.5	824	861.5	-
BG40G10-../S..08 (M, L)	199.5	304	156	754.5	114.5	136.5	820.5	866.5	928	-
BG40G10-../S..09 (S, X)	250.5	318.5	176	820	124	157	913	927.5	1017	-
Dimensions in millimetres (mm)										

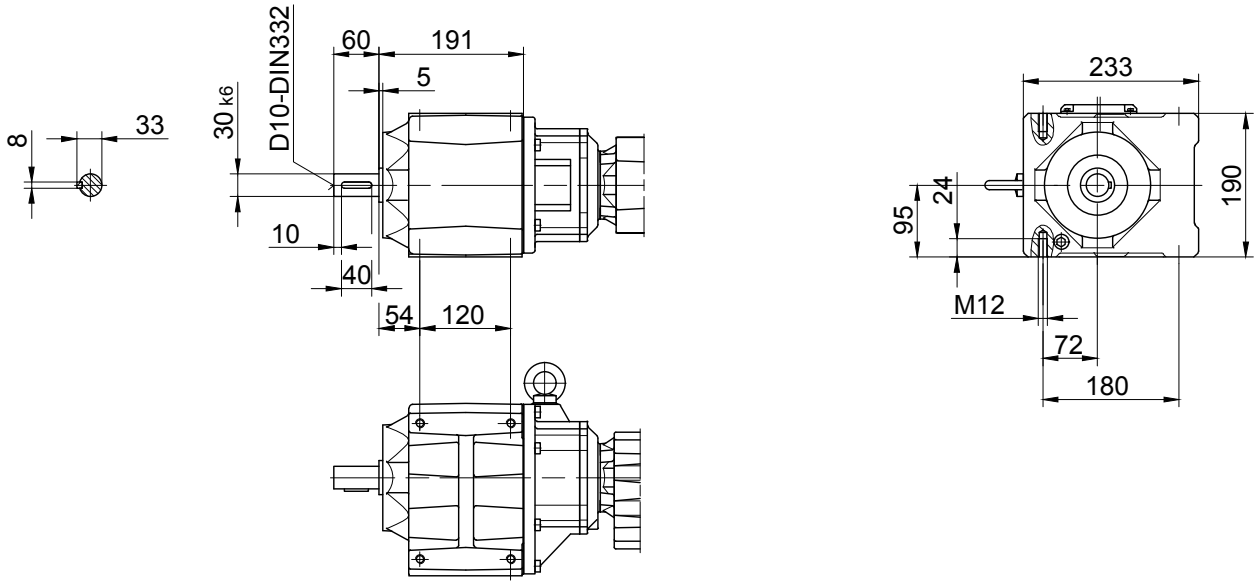
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG40G10

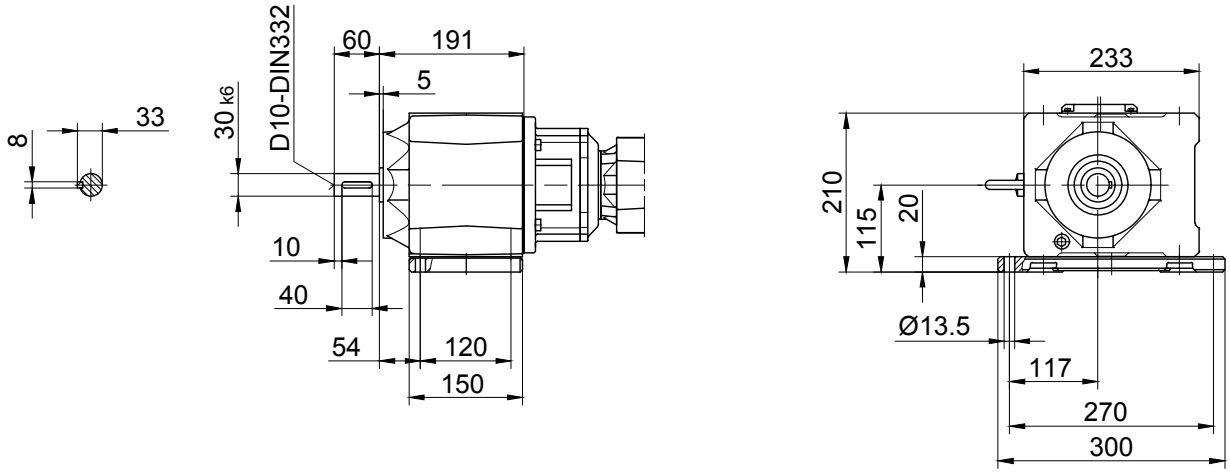
Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



Foot plate left
Code -91L/



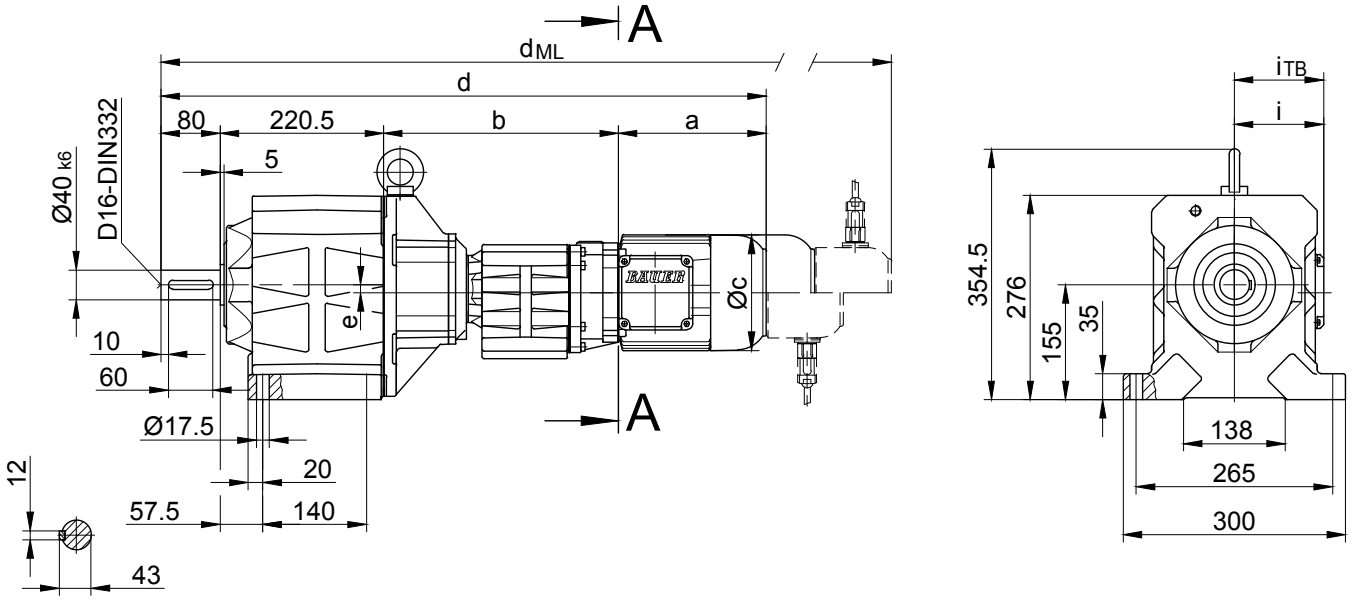
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

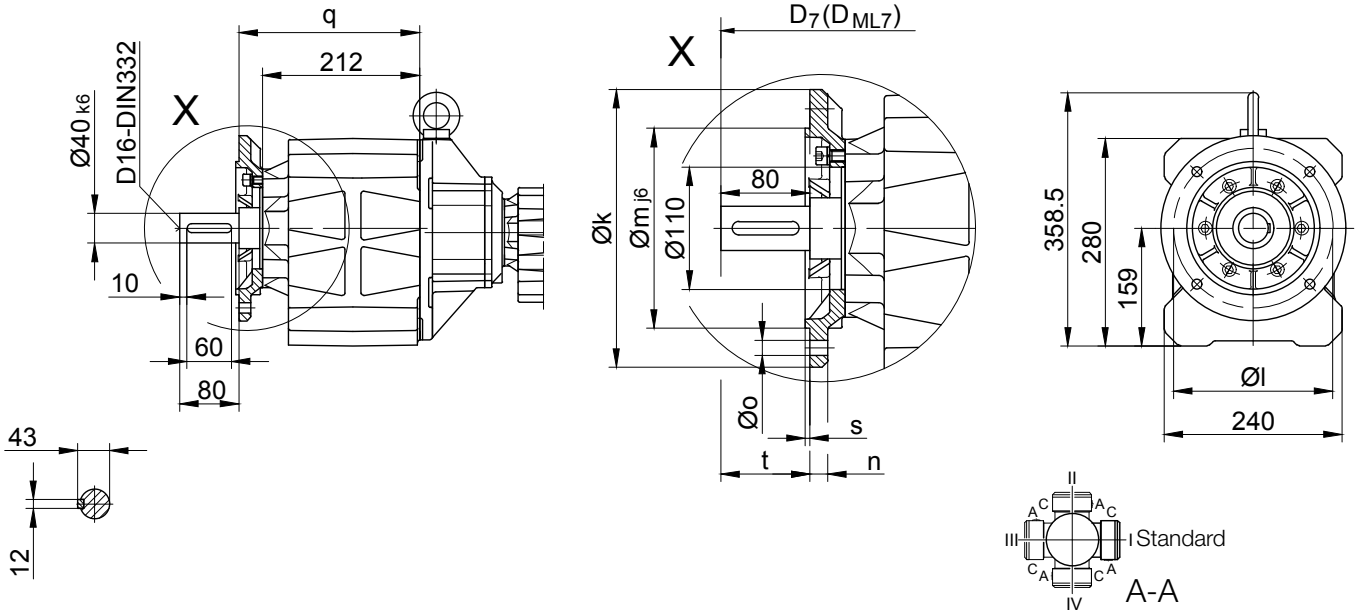
Dimension - Tandem Gearbox

BG50G10

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -27/)



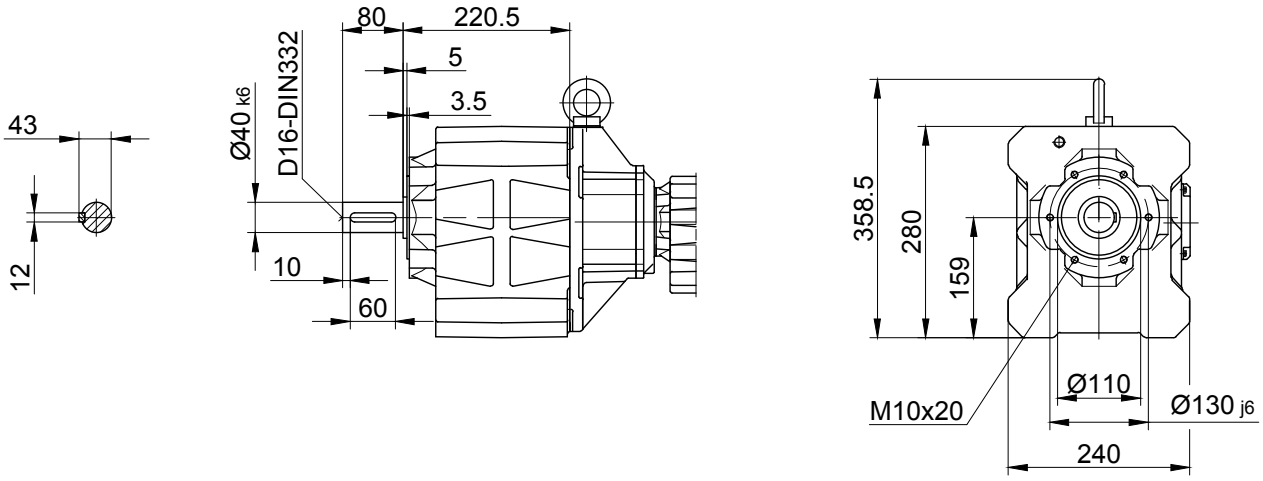
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG50..	Code -37/	250	215	180	16	13.5	244	4	80.5	d+23.5	d_{ML}+23.5
BG50..	Code -27/	200	165	130	12	11	241	3.5	83.5	d+23.5	d_{ML}+23.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG50G10-../S..06 (M, L)	170.5	313	123	784	99	119	826	886.5	924	-
BG50G10-../S..08 (M, L)	199.5	317	156	817	114.5	136.5	883	929	990.5	-
BG50G10-../S..09 (S, X)	250.5	331.5	176	882.5	124	157	975.5	990	1079.5	-
Dimensions in millimetres (mm)										

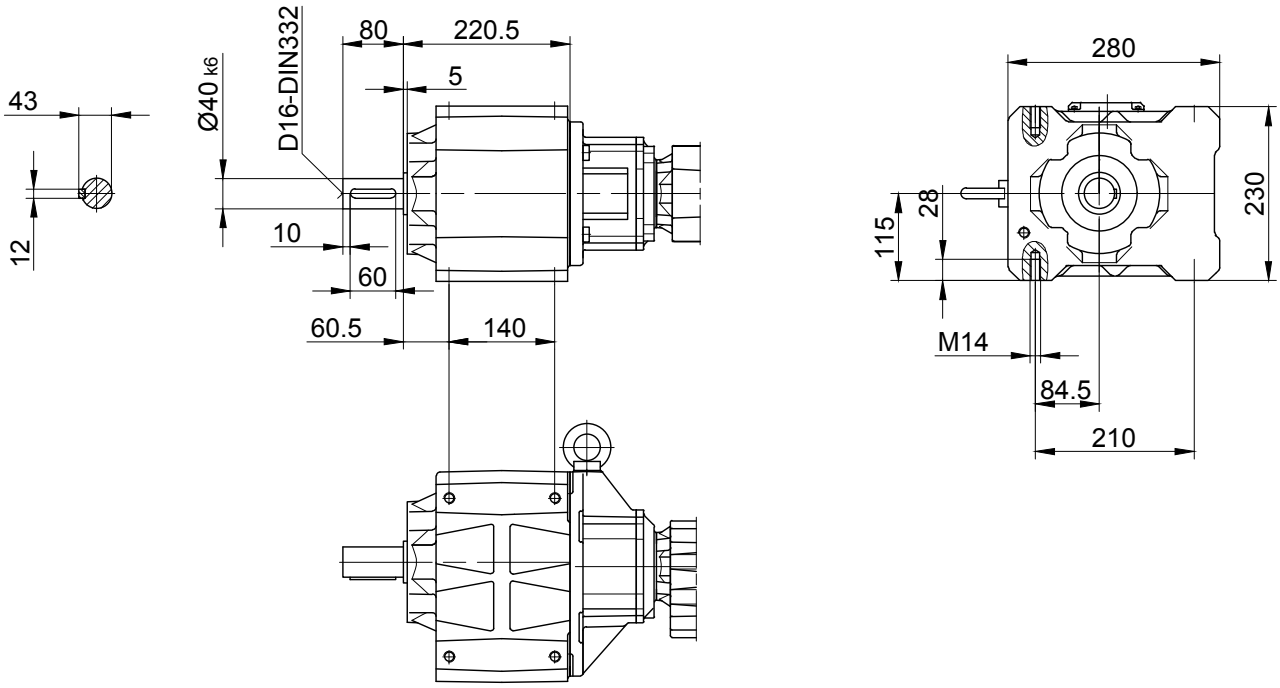
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG50G10

Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



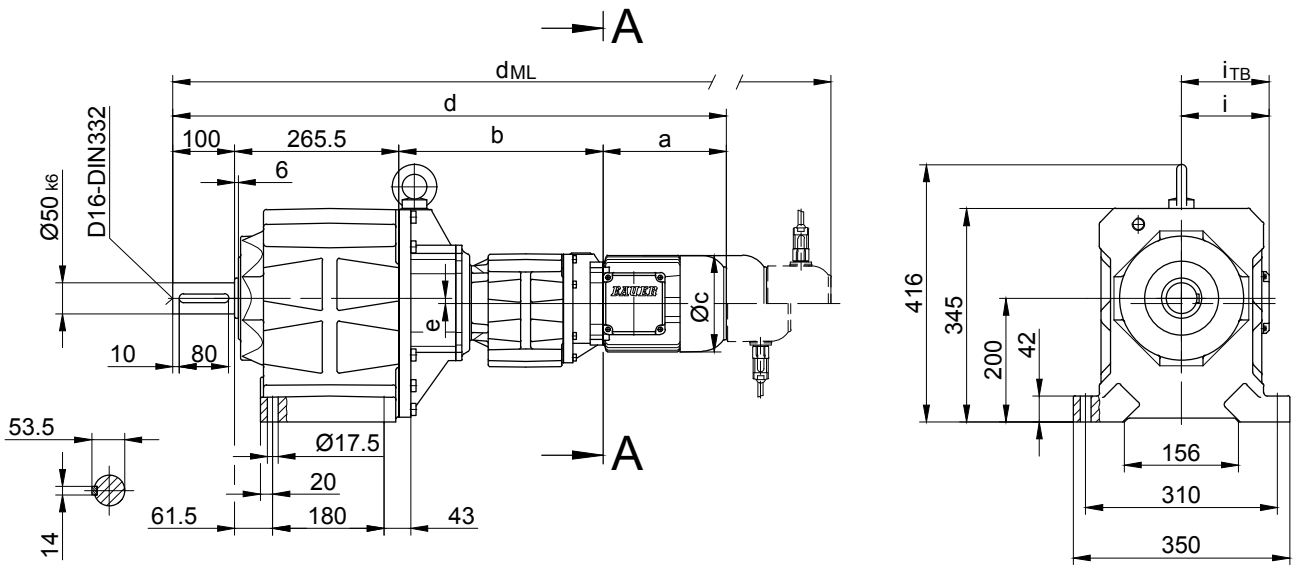
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

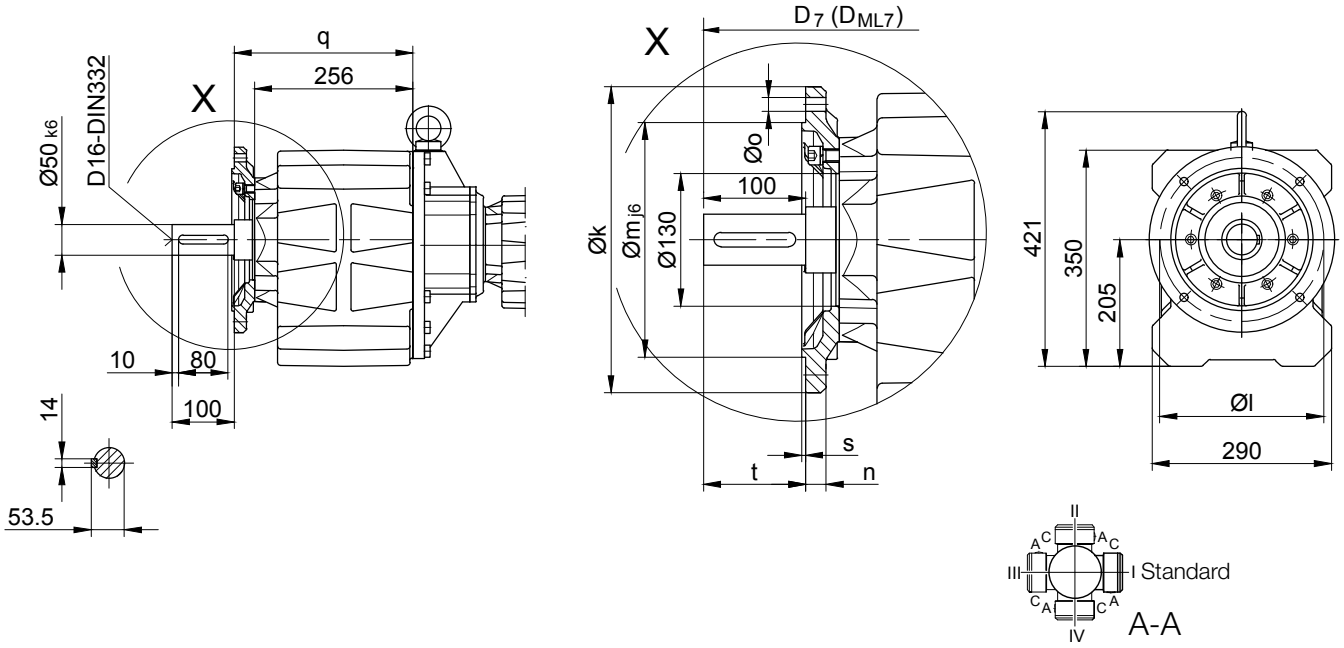
Dimension - Tandem Gearbox

BG60G20

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -27/)



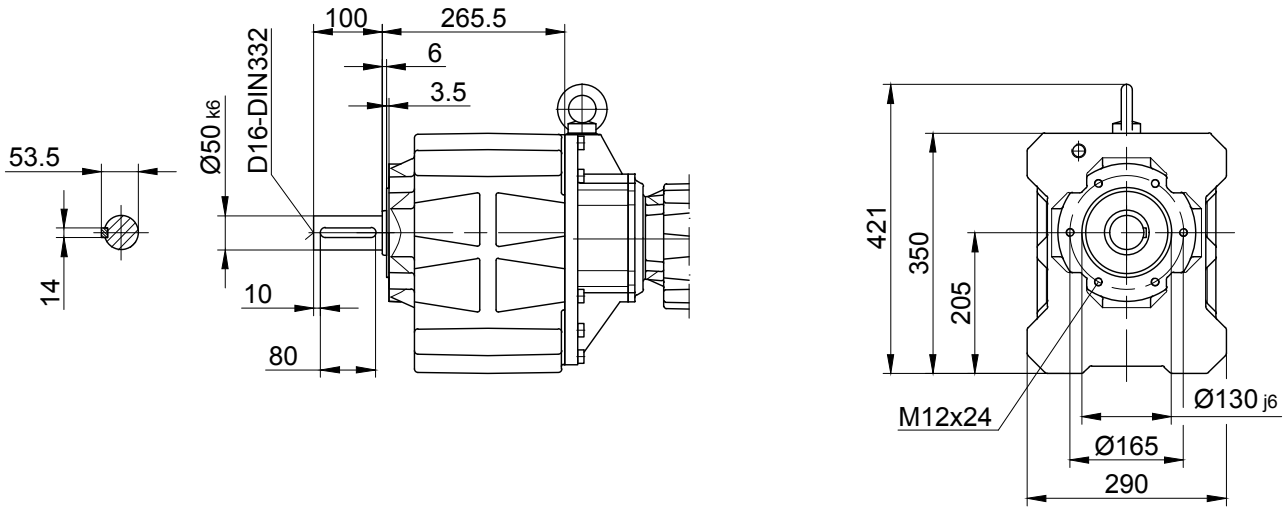
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG60..	Code -37/	300	265	230	20	13.5	289	4	100.5	d+23.5	d_{ML}+23.5
BG60..	Code -27/	250	215	180	16	13.5	286	4	103.5	d+23.5	d_{ML}+23.5
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG60G20-../S..06 (M, L)	170.5	326	123	862	99	119	904	964.5	1002	-
BG60G20-../S..08 (M, L)	199.5	330	156	895	114.5	136.5	961	1007	1068.5	-
BG60G20-../S..09 (S, X)	250.5	344.5	176	960.5	124	157	1053.5	1068	1157.5	-
Dimensions in millimetres (mm)										

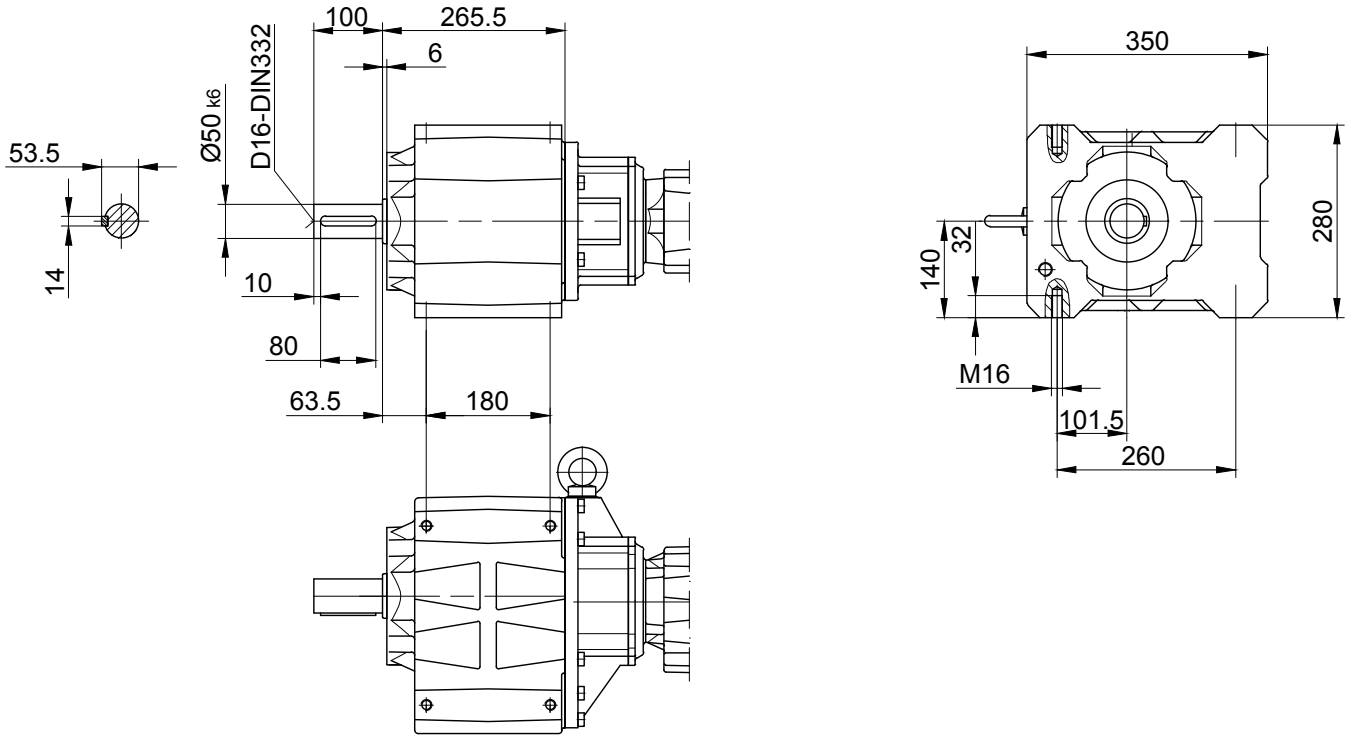
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG60G20

Flange with tapped holes
Code -71/



Foot with tapped holes left and right
Code -61LR/



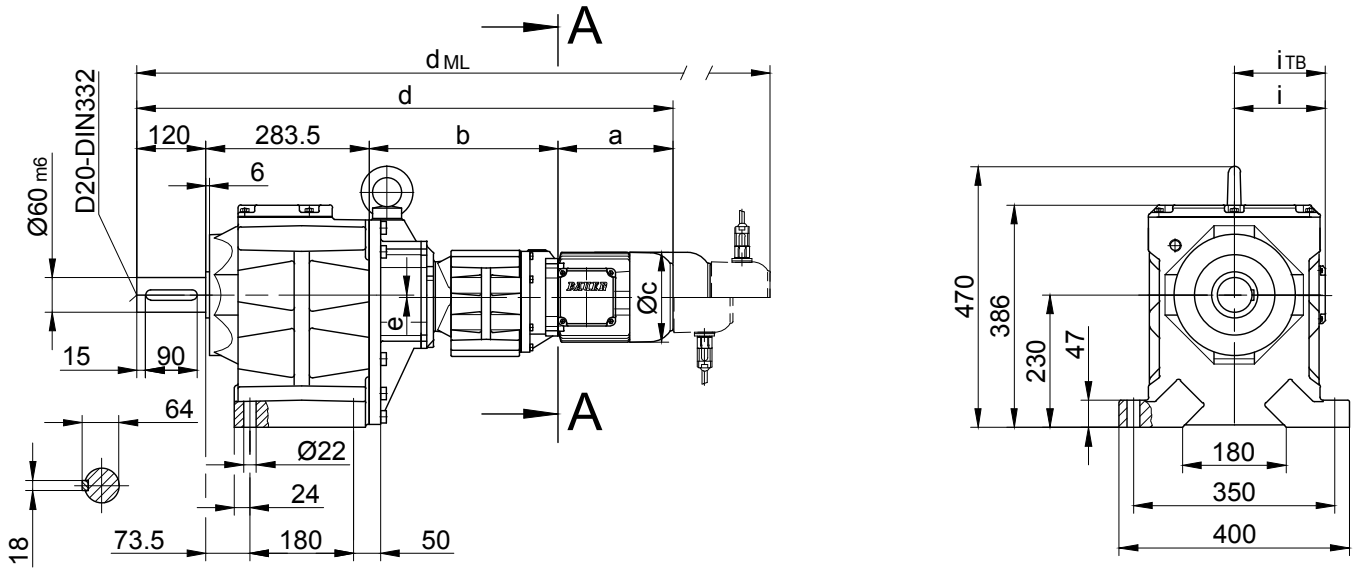
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

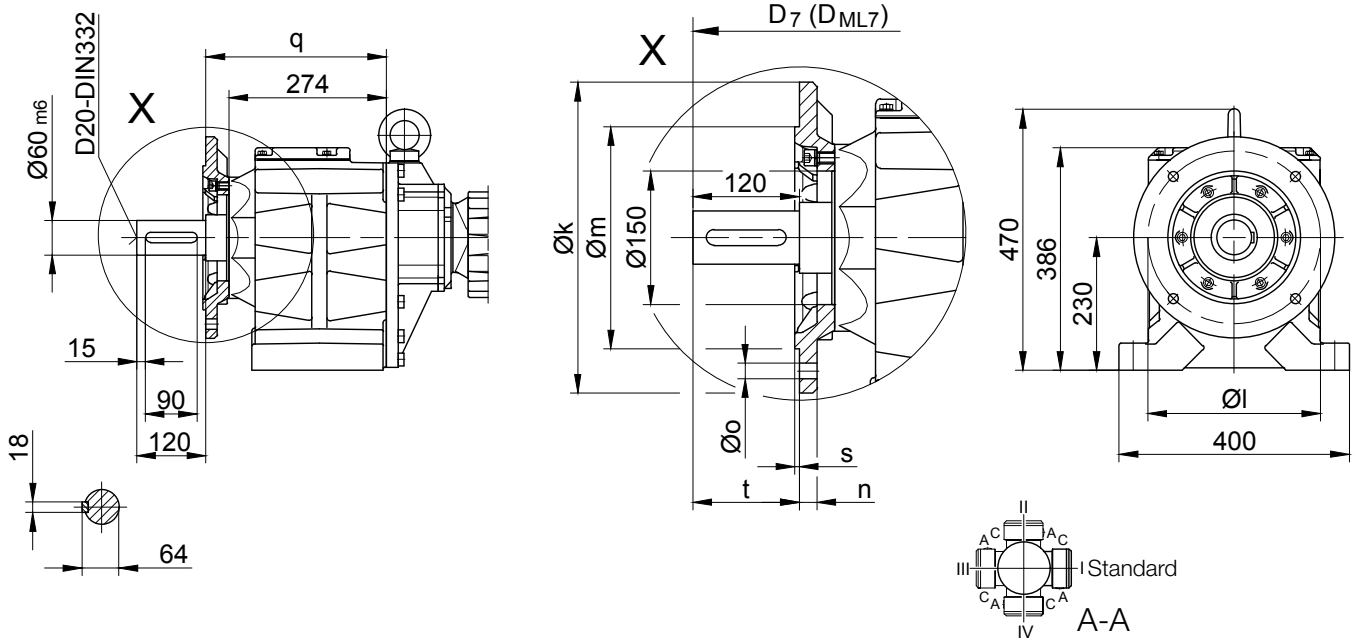
Dimension - Tandem Gearbox

BG70G20

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -27/)



Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG70..	Code -37/	350	300	250	20	17.5	314	5	120.5	d+30.5	d_{ML}+30.5
BG70..	Code -27/	300	265	230	20	13.5	322	4	113.5	d+30.5	d_{ML}+30.5
Dimensions in millimetres (mm)											

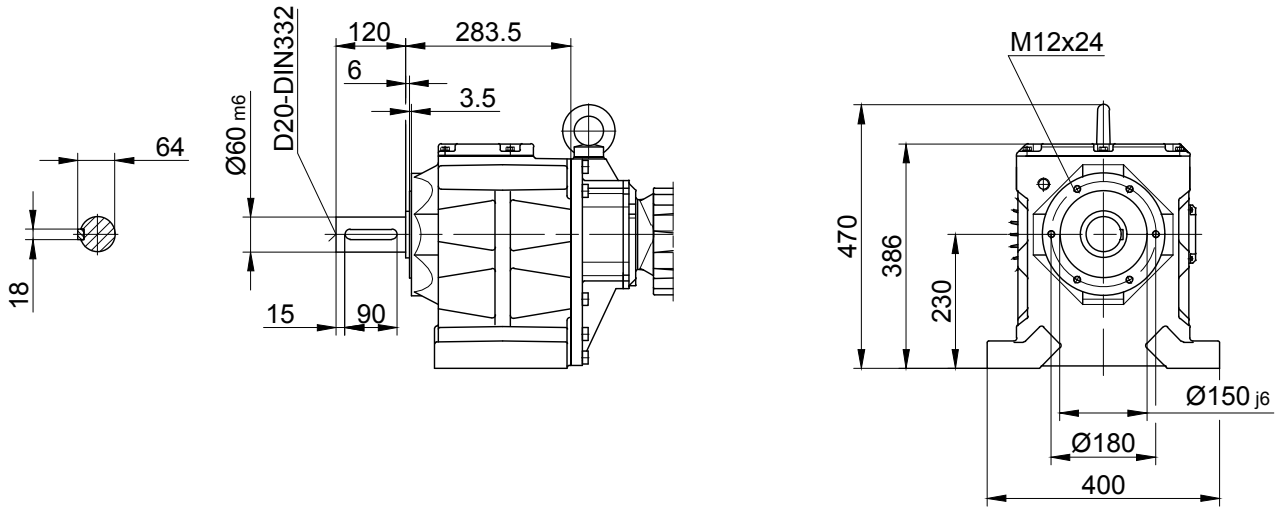
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG70G20-../S..06 (M, L)	170.5	324	123	898	99	119	940	1000.5	1038	-
BG70G20-../S..08 (M, L)	199.5	328	156	931	114.5	136.5	997	1043	1104.5	-
BG70G20-../S..09 (S, X)	250.5	342.5	176	996.5	124	157	1089.5	1104	1193.5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG70G20

Flange with tapped holes

Code -71/



10

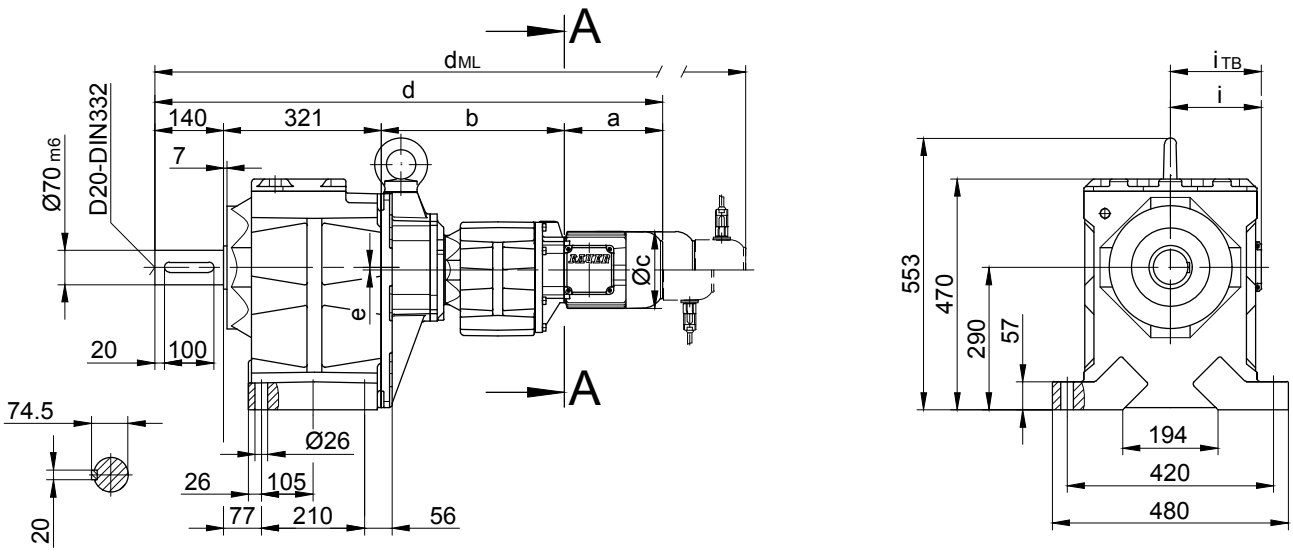
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

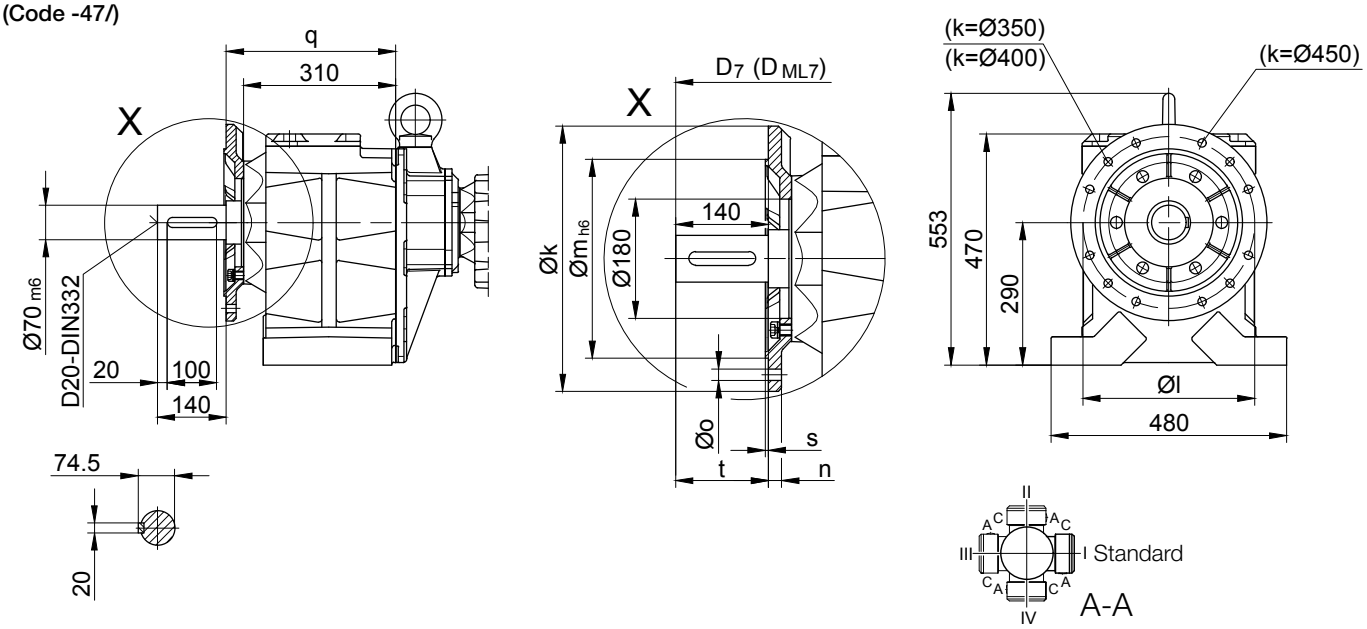
Dimension - Tandem Gearbox

BG80G40

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -27/)
(Code -47/)

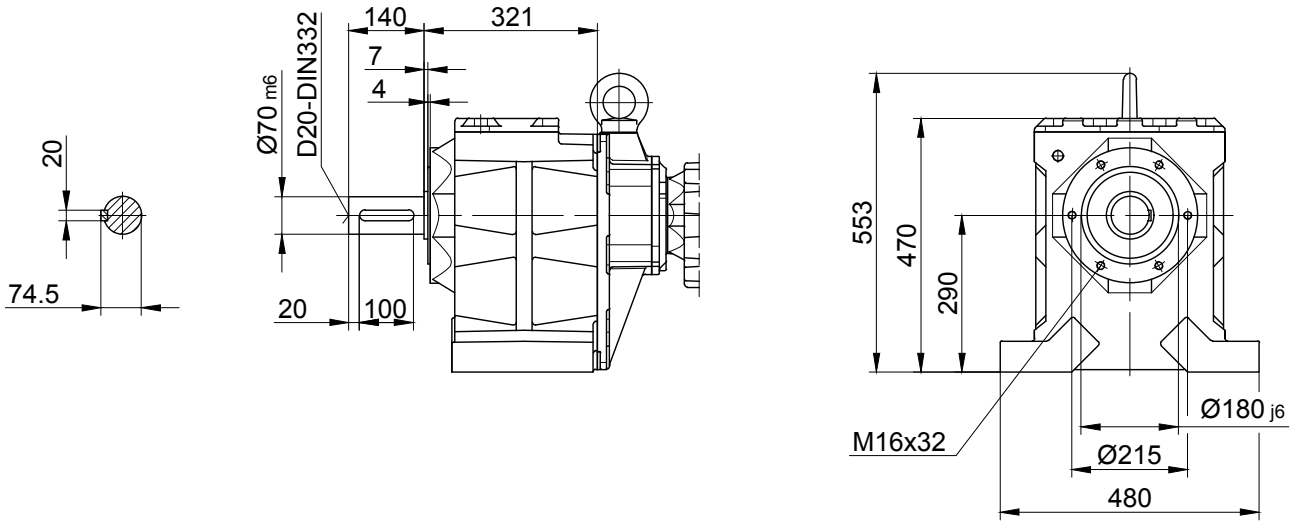


Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG80..	Code -37/	400	350	300	20	4 x 17.5	345	5	141	d+24	d_{ML}+24
BG80..	Code -27/	350	300	250	20	4 x 17.5	345	5	141	d+24	d_{ML}+24
BG80..	Code -47/	450	400	350	22	8 x 17.5	355	5	131	d+24	d_{ML}+24
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG80G40-../S..08 (M, L)	199.5	373	156	1033.5	114.5	136.5	1099.5	1145.5	1207	-
BG80G40-../S..09 (S, X)	250.5	387.5	176	1099	124	157	1192	1206.5	1296	-
BG80G40-../S..11 (S, M, L)	319	394	218	1174	165	176	1272	1281.5	1374	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG80G40
Flange with tapped holes
Code -71/



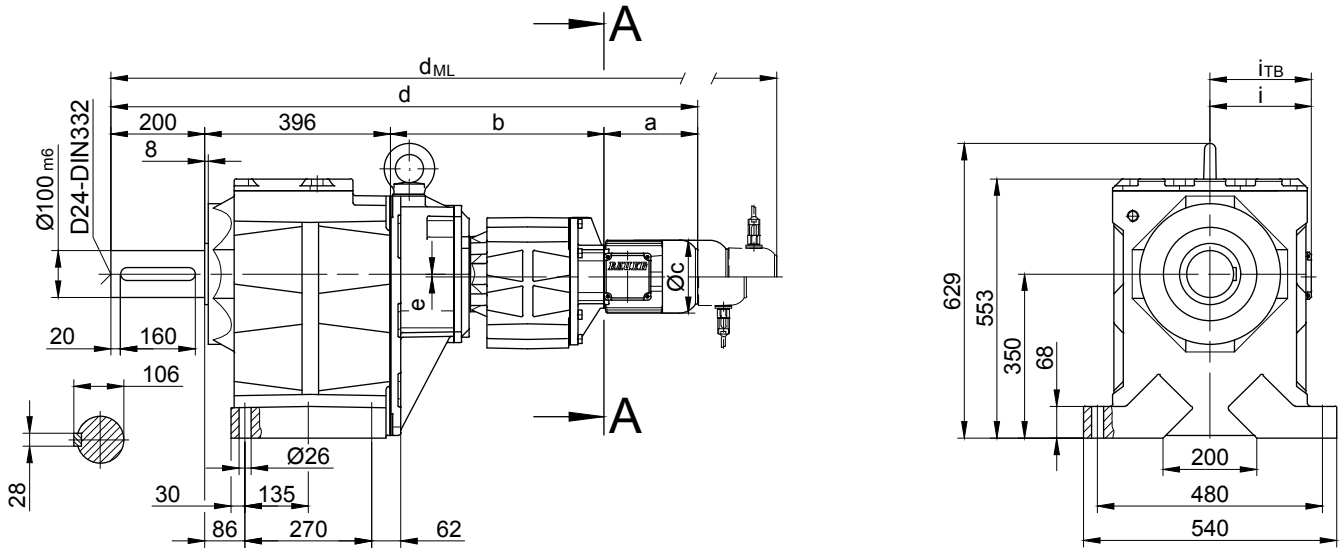
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

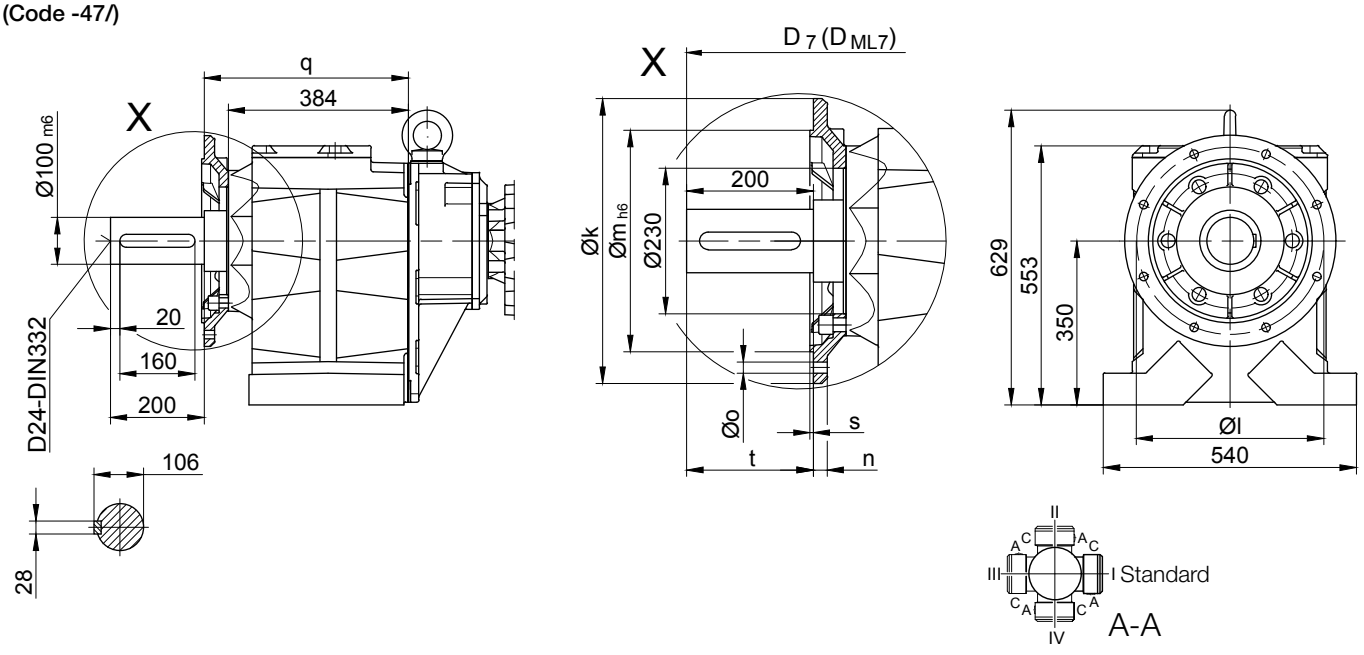
Dimension - Tandem Gearbox

BG90G50

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -47/)

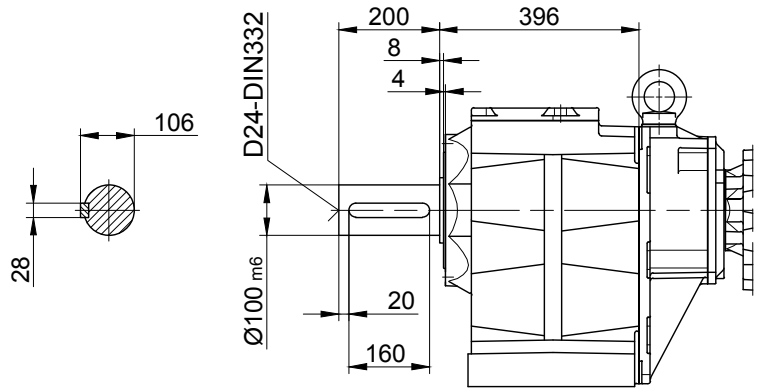


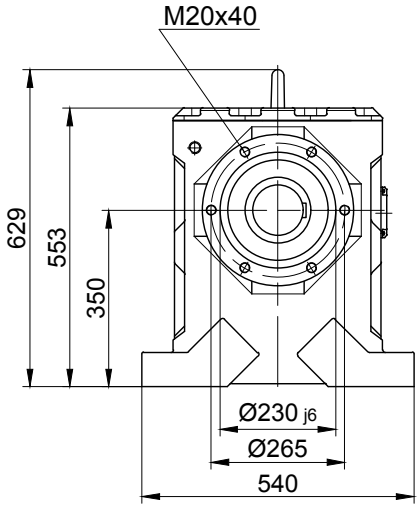
Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG90..	Code -37/	450	400	350	22	17.5	439	5	201	d+43	d_{ML}+43
BG90..	Code -47/	550	500	450	22	17.5	444	5	196	d+43	d_{ML}+43
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG90G50-../S..08 (M, L)	199.5	456	156	1251.5	114.5	136.5	1317.5	1363.5	1425	-
BG90G50-../S..09 (S, X)	250.5	470.5	176	1317	124	157	1410	1424.5	1514	-
BG90G50-../S..11 (S, M, L)	319	477	218	1392	165	176	1490	1499.5	1592	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG90G50
Flange with tapped holes
Code -71/





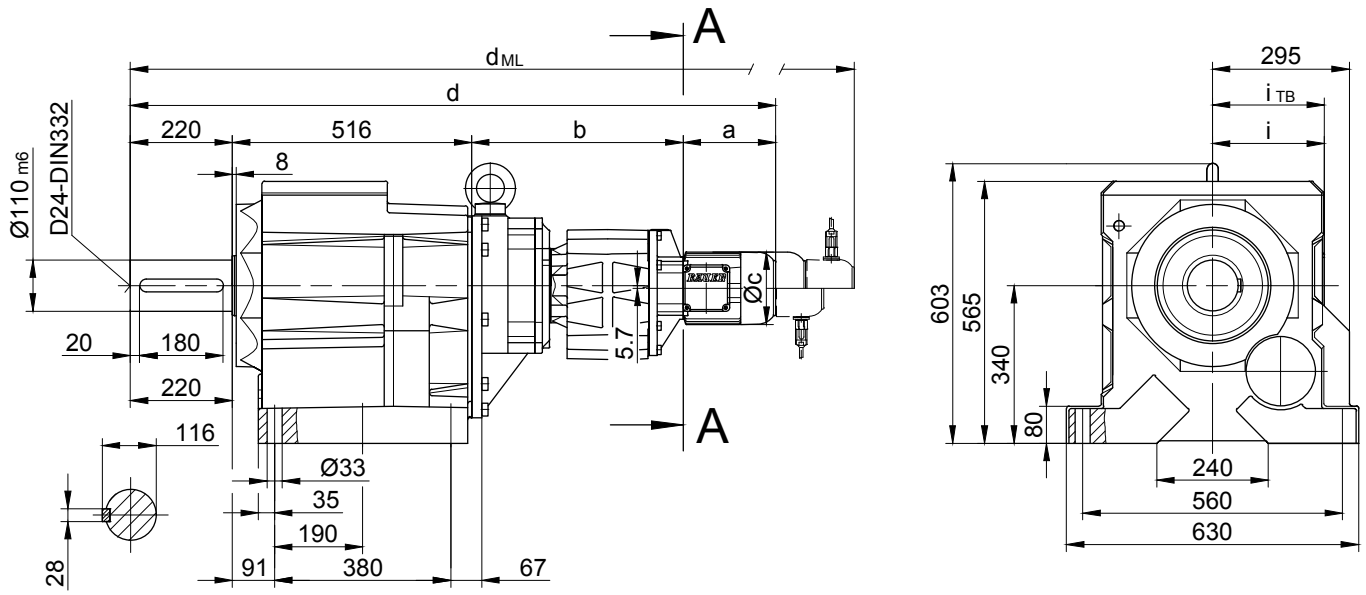
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG-series helical-geared motors

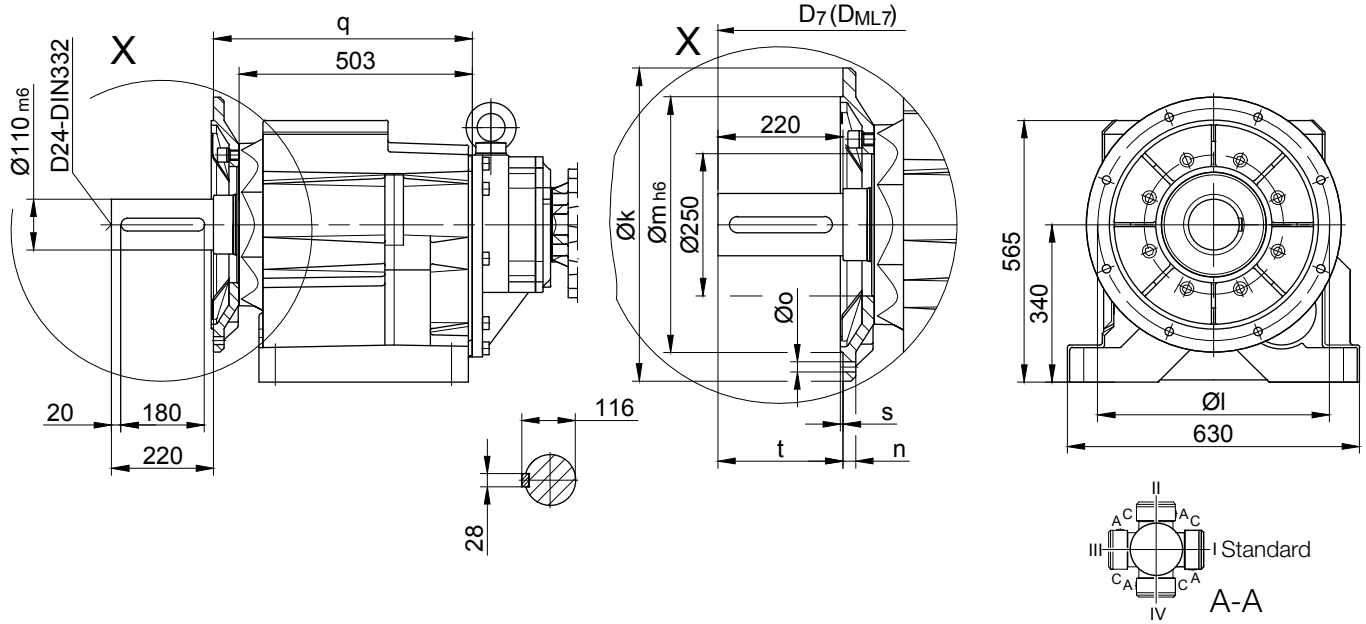
Dimension - Tandem Gearbox

BG100G50

Foot mounting with clearance holes
Code -11/



Flange with clearance holes
Code -37/
(Code -47/)

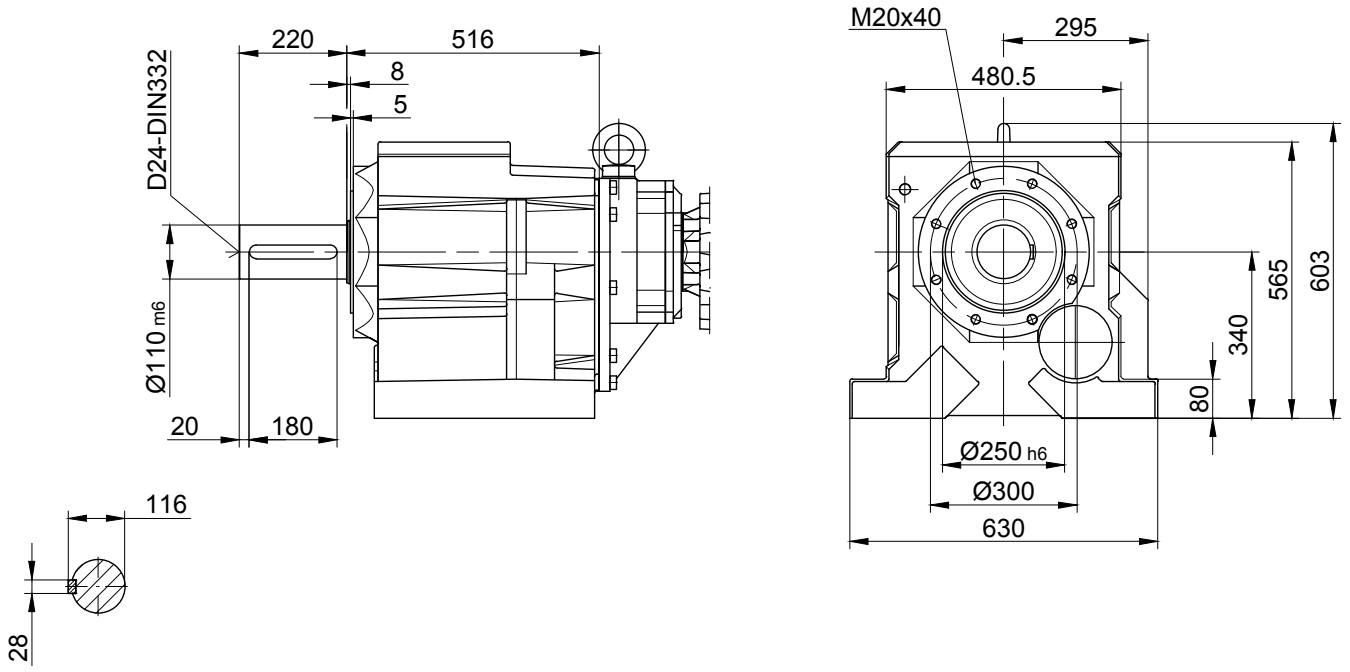


Flange Dimensions											
Type	Design	k	l	m	n	o	q	s	t	D_7	D_{ML7}
BG100..	Code -37/	550	500	450	22	17.5	558	5	220	d+42	d_{ML}+42
BG100..	Code -47/	660	600	550	25	22	552	6	227	d+42	d_{ML}+42
Dimensions in millimetres (mm)											

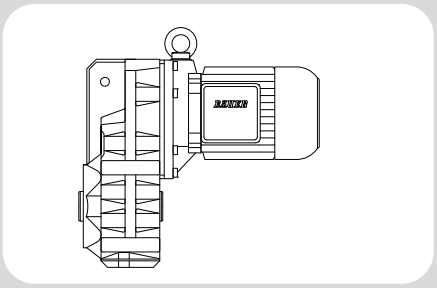
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG100G50-../S..08 (M, L)	199.5	456	156	1391.5	114.5	136.5	1457.5	1503.5	1565	-
BG100G50-../S..09 (S, X)	250.5	470.5	176	1457	124	157	1550	1564.5	1654	-
BG100G50-../S..11 (S, M, L)	319	477	218	1532	165	176	1630	1639.5	1732	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG100G50
Flange with tapped holes
Code -71/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.



11

BF-series shaft-mounted geared motors - Dimensions

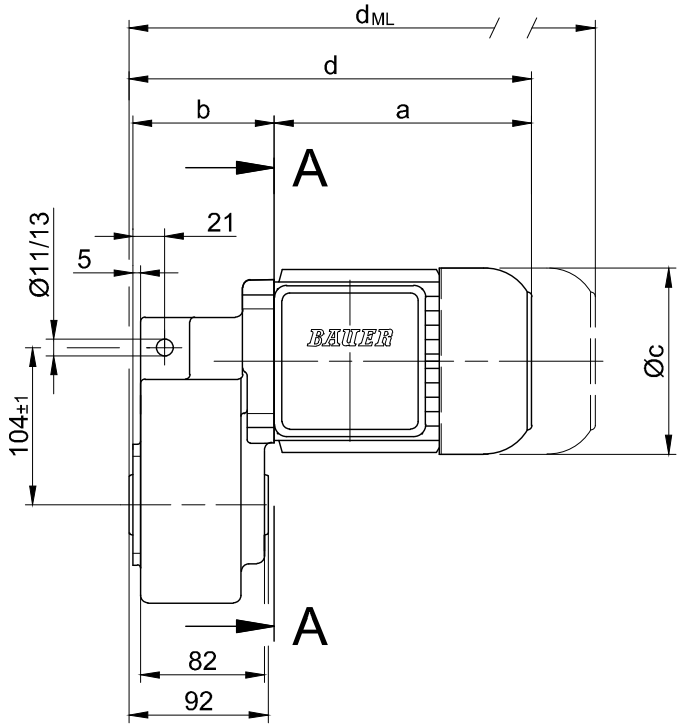
BF-series shaft-mounted geared motors

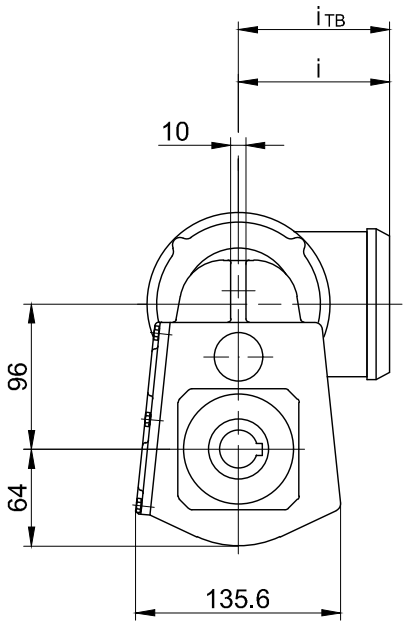
Dimension - Standard

BF06

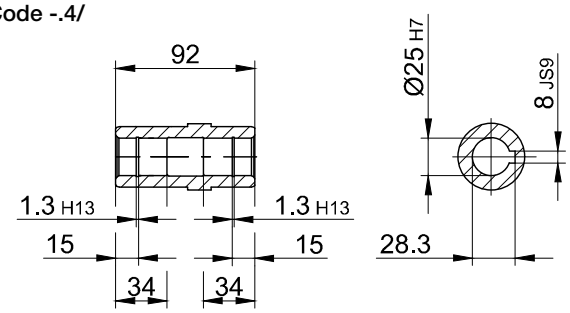
with torque arm

Code -0./

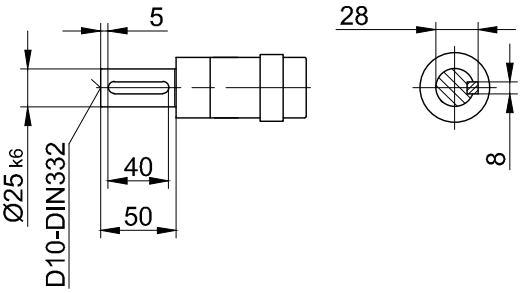


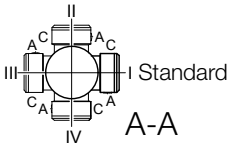


Code -.4/



Code -.1/



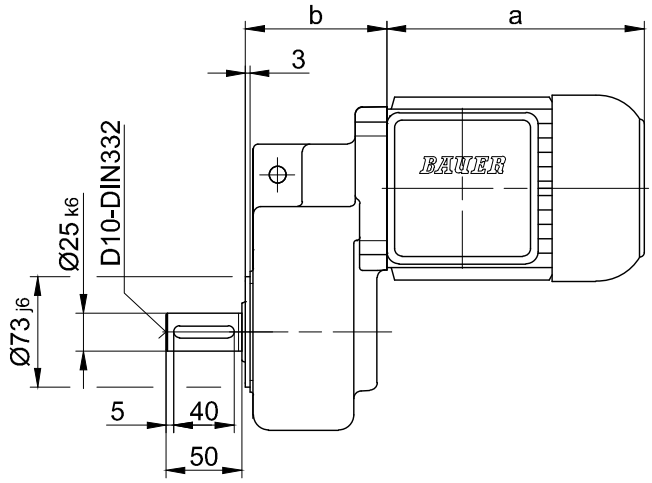


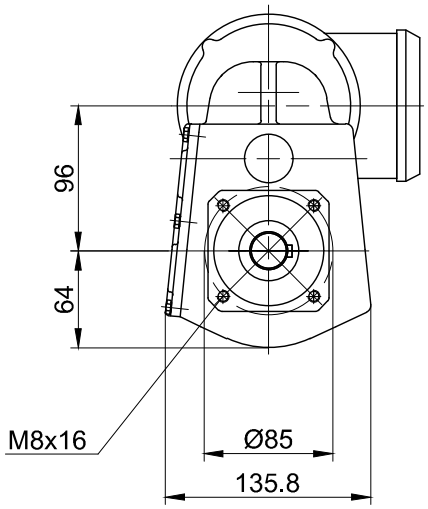
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF06-../S..06 (M, L)	170,5	93,5	123	266,5	99	119	306	366,5	404	-
BF06-../S..08 (M, L)	199,5	141,5	156	343,5	114,5	136,5	407	453	514,5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

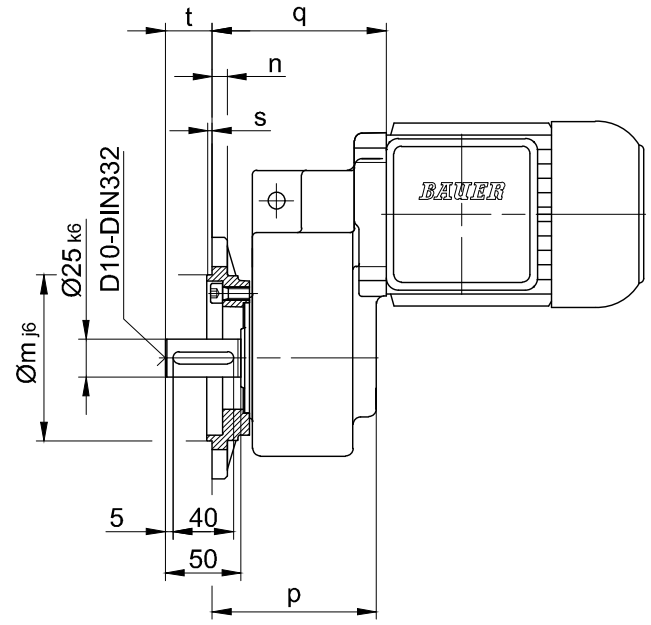
BF06

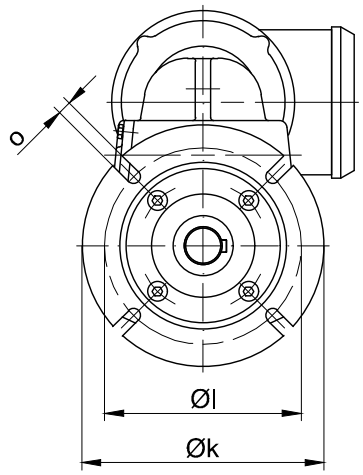
Flange with tapped holes
Code -7./





Flange with clearance holes
Code -3.V/
(Code -4.V/)





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q[1)]	q[2)]	s	t
BF06	Code -3./	140	115	95	10	9	108.5	115	163	3	31
BF06	Code -4./	160	130	110	10	9	108.5	115	163	3.5	31
Dimensions in millimetres (mm)											

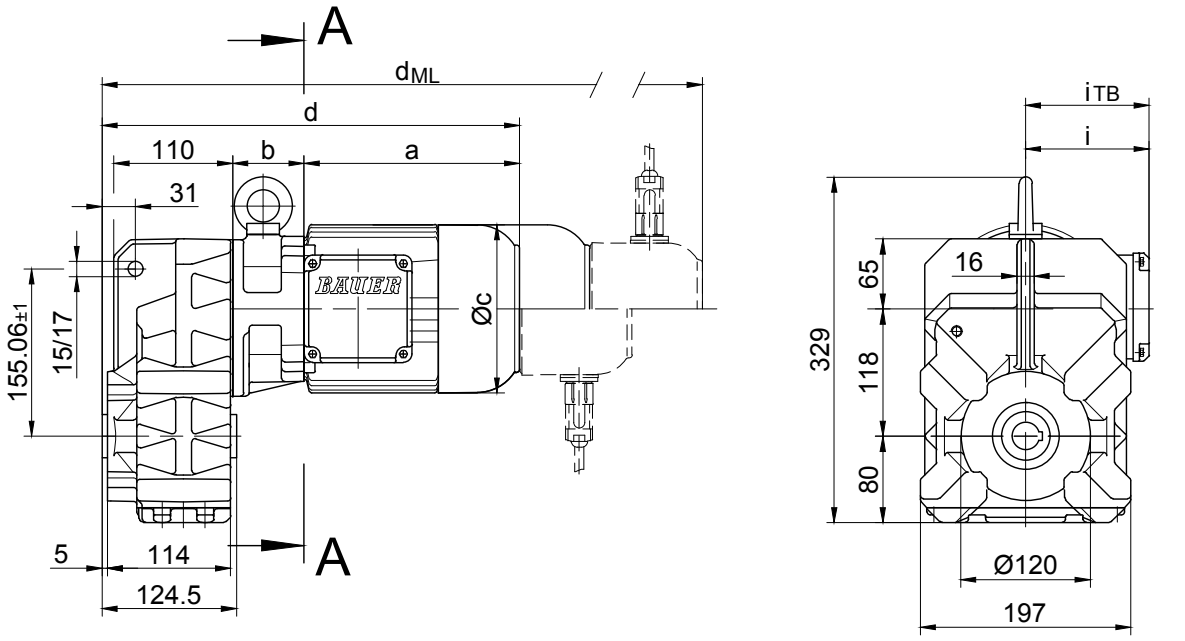
q[1)] only for D05; D06; D07
q[2)] only for D08..

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

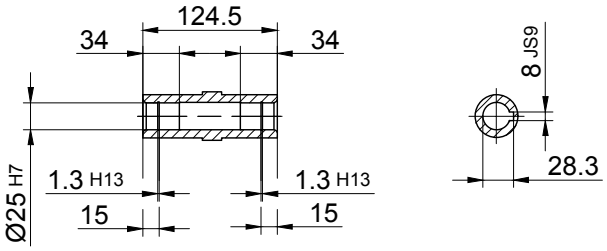
BF-series shaft-mounted geared motors

Dimension - Standard

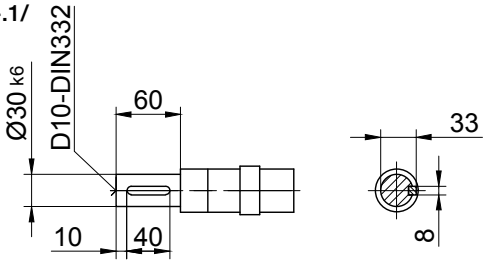
BF10-BF10Z
with torque arm
Code -0./



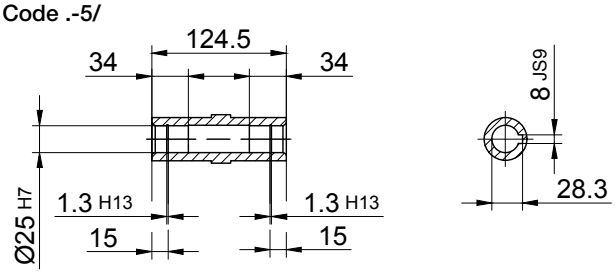
Code -.4/

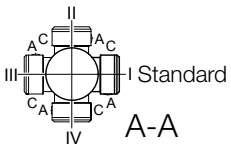


Code -.1/



Code .-5/





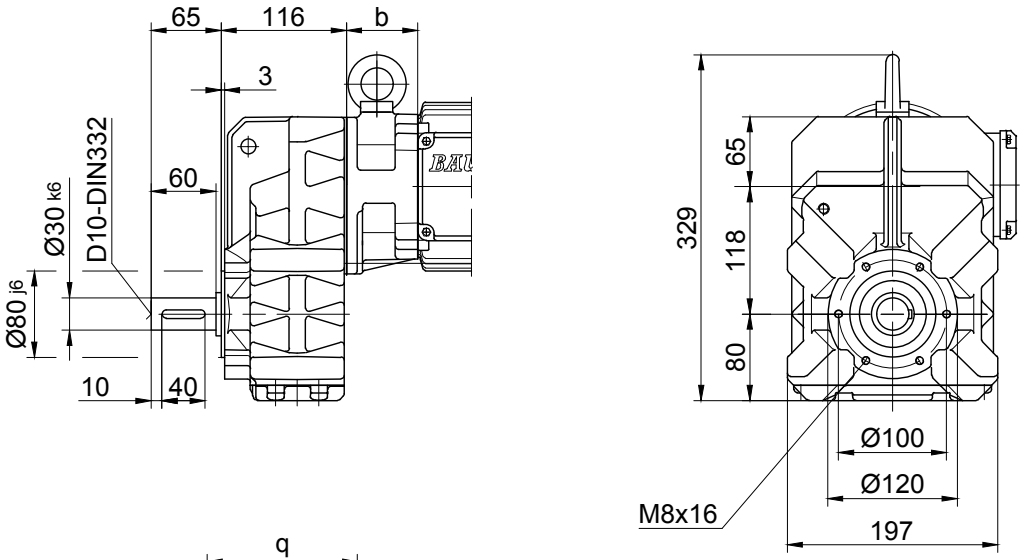
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF10Z-../S04S	142,5	86	110,5	349,5	90	112	393	437	480,5	-
BF10-../S..06 (M, L)	170,5	62	123	353,5	99	119	395,5	456	493,5	-
BF10Z-../S..06 (M, L)	170,5	88	123	379,5	99	119	421,5	482	519,5	-
BF10-../S..08 (M, L)	199,5	66	156	386,5	114,5	136,5	452,5	498,5	560	-
BF10Z-../S..08 (M, L)	199,5	132	156	452,5	114,5	136,5	518,5	564,5	626	-
BF10-../S..09 (S, X)	250,5	80,5	176	452	124	157	545	559,5	649	-

Dimensions in millimetres (mm)

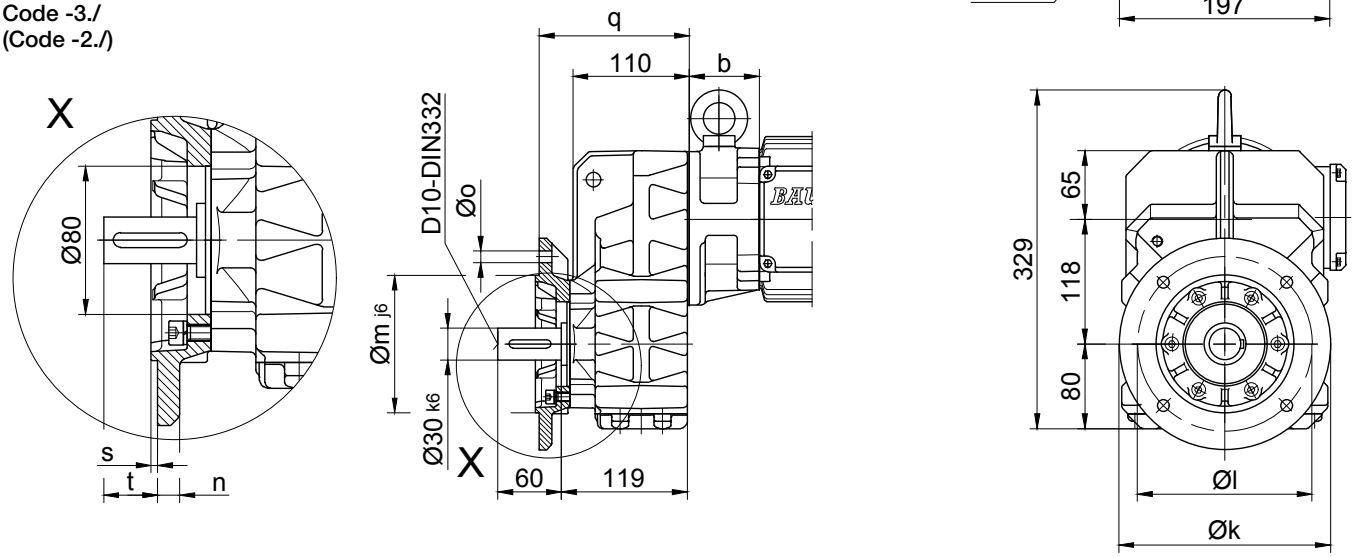
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF10-BF10Z

Flange with tapped holes
Code -7./

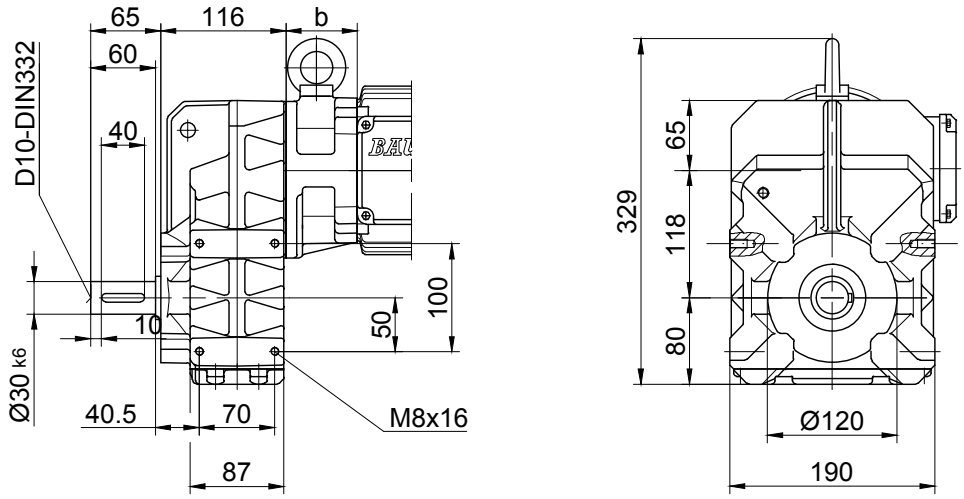


Flange with clearance holes
Code -3./
(Code -2./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF10..	Code -3./	200	165	130	12	11	142	3,5	39
BF10..	Code -2./	160	130	110	10	9	135	3,5	46
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/

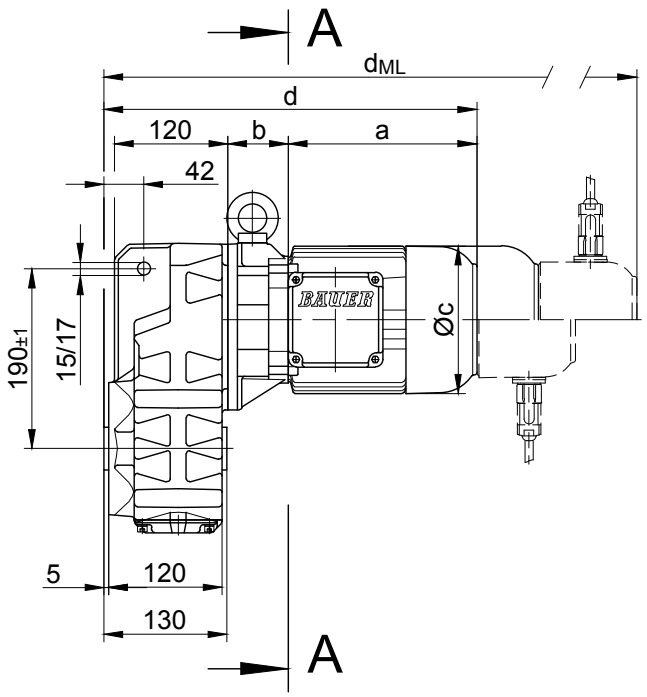


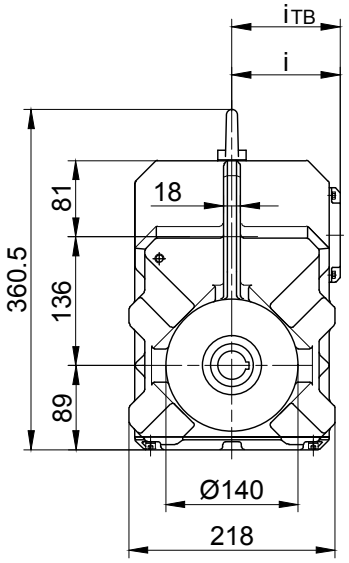
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF-series shaft-mounted geared motors

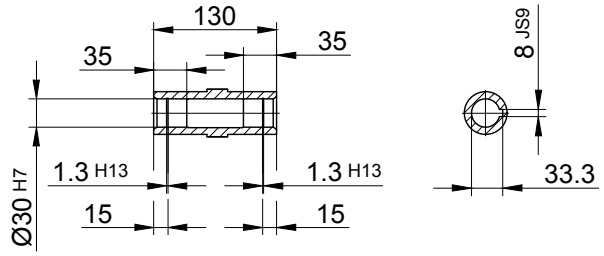
Dimension - Standard

BF20-BF20Z
with torque arm
Code -0./

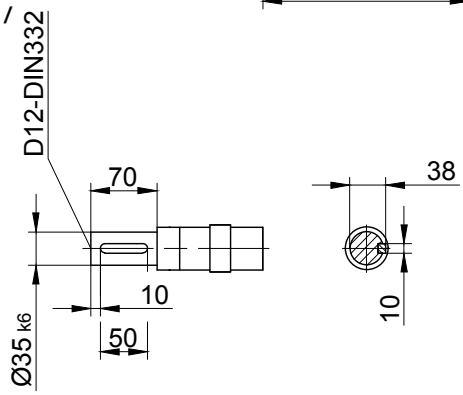




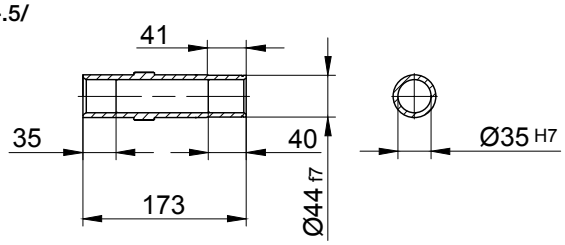
Code -.4/

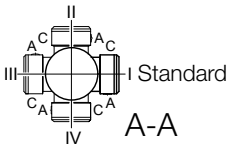


Code -.1/



Code -.5/





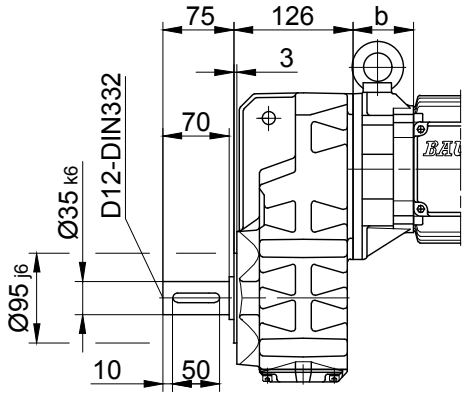
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF20Z-../S04S	142,5	100	110,5	373,5	90	112	417	461	504,5	-
BF20-../S..06 (M, L)	170,5	60	123	361,5	99	119	403,5	464	501,5	-
BF20Z-../S..06 (M, L)	170,5	102	123	403,5	99	119	445,5	506	543,5	-
BF20-../S..08 (M, L)	199,5	64	156	394,5	114,5	136,5	460,5	506,5	568	-
BF20Z-../S..08 (M, L)	199,5	146	156	476,5	114,5	136,5	542,5	588,5	650	-
BF20-../S..09 (S, X)	250,5	78,5	176	460	124	157	553	567,5	657	-

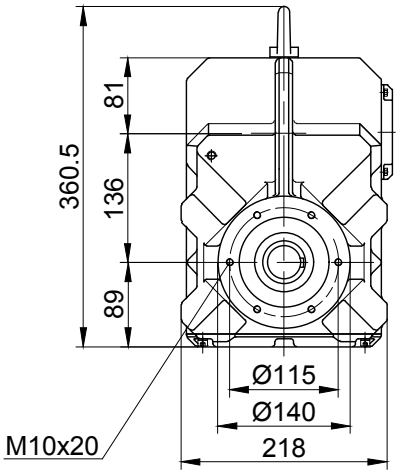
Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

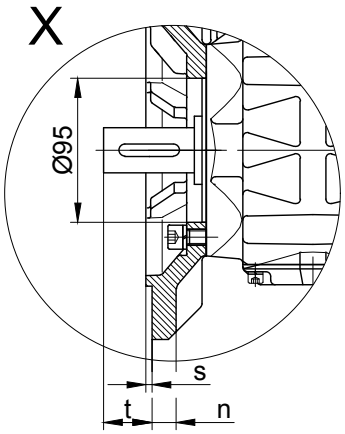
BF20-BF20Z

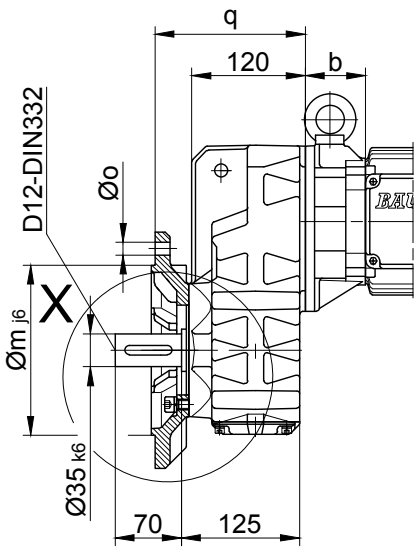
Flange with tapped holes
Code -7./

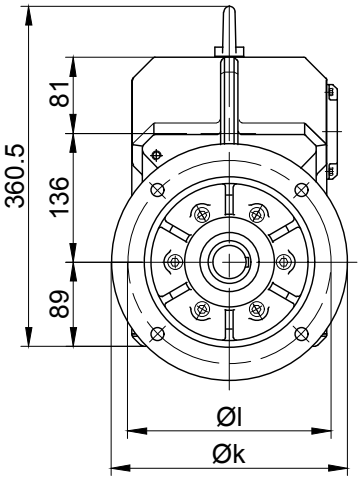




Flange with clearance holes
Code -3./
(Code -2./)

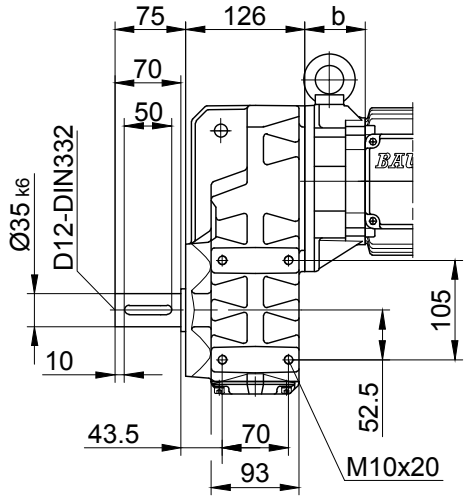


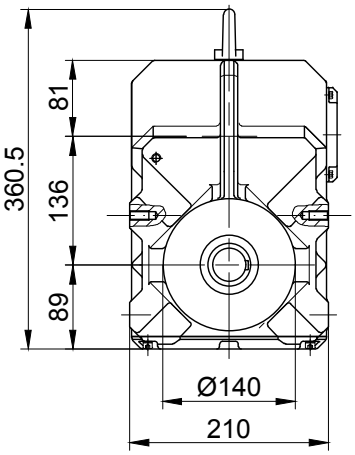




Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF20..	Code -3./	250	215	180	16	13,5	159	4	42
BF20..	Code -2./	200	165	130	12	11	150	3,5	51
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

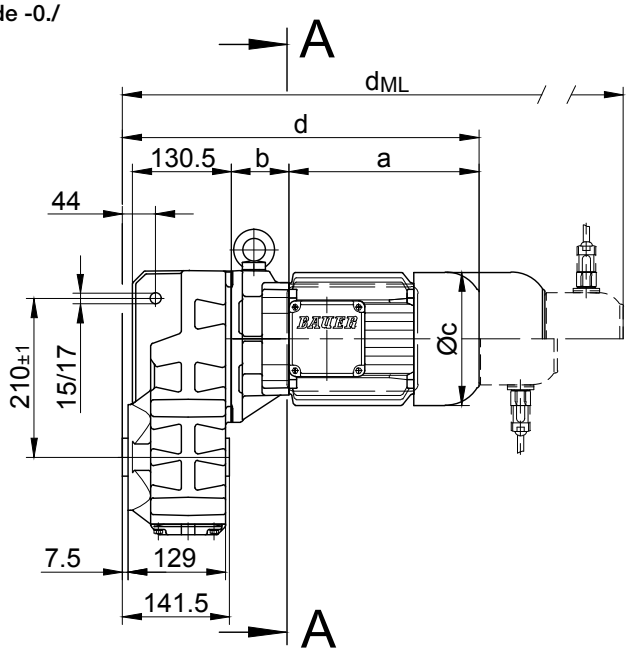
BF-series shaft-mounted geared motors

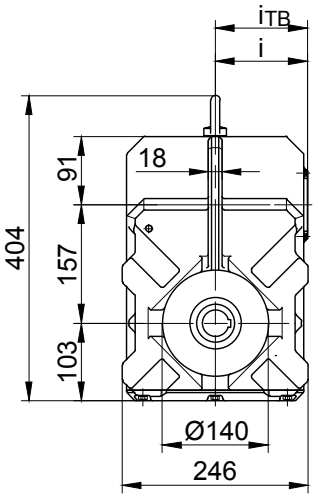
Dimension - Standard

BF30-BF30Z

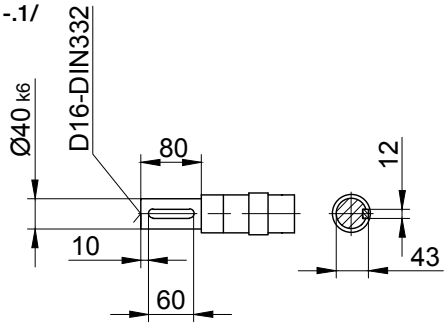
with torque arm

Code -0./

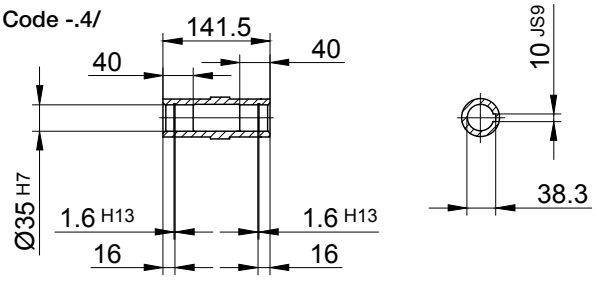




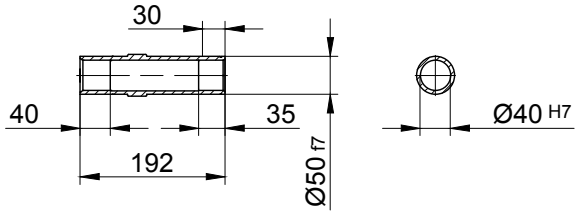
Code -.1/

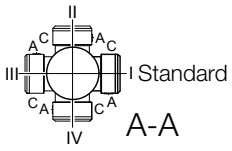


Code -.4/



Code -.5/





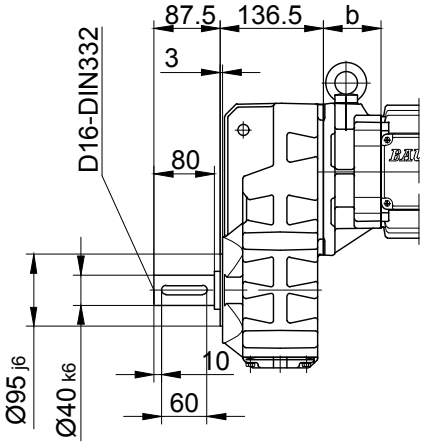
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF30-../S..06 (M, L)	170,5	58	123	372,5	99	119	414,5	475	512,5	-
BF30Z-../S..06 (M, L)	170,5	133,5	123	448	99	119	490	550,5	588	-
BF30-../S..08 (M, L)	199,5	62	156	405,5	114,5	136,5	471,5	517,5	579	-
BF30Z-../S..08 (M, L)	199,5	137,5	156	481	114,5	136,5	547	593	654,5	-
BF30-../S..09 (S, X)	250,5	76,5	176	471	124	157	564	578,5	668	-
BF30Z-../S..09 (S, X)	250,5	152	176	546,5	124	157	639,5	654	743,5	-
BF30-../S..11 (S, M, L)	319	83	218	546	165	176	644	653,5	746	-

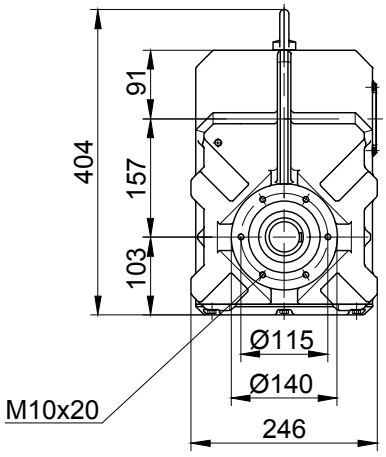
Dimensions in millimetres (mm)

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

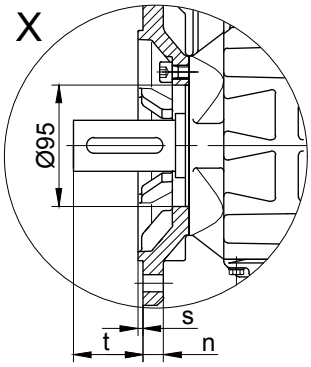
BF30-BF30Z

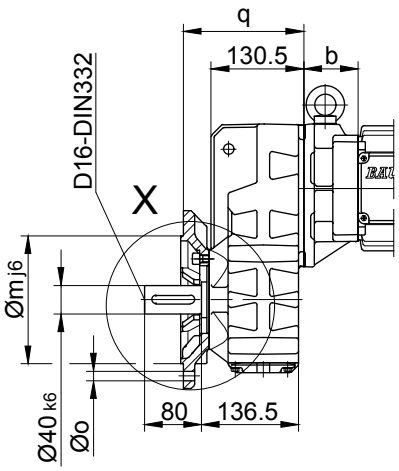
Flange with tapped holes
Code -7./

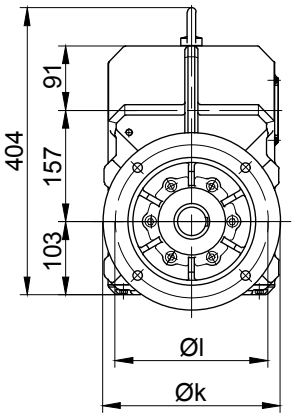




Flange with clearance holes
Code -3./
(Code -2./)

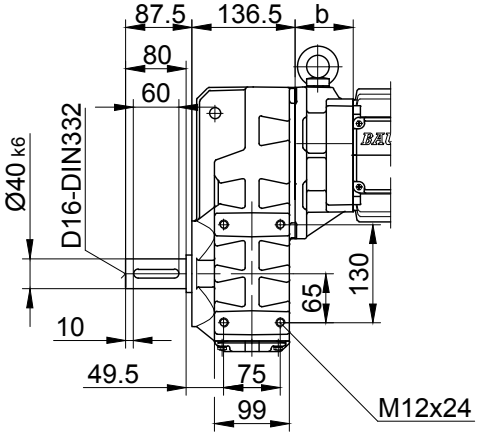


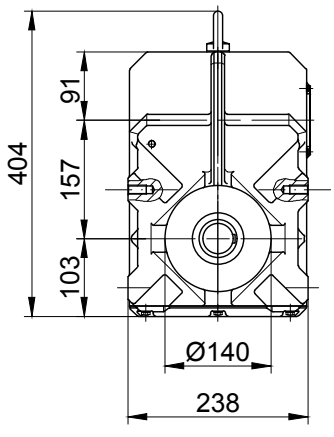




Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF30..	Code -3./	250	215	180	16	13,5	169,5	4	54,5
BF30..	Code -2./	200	165	130	12	11	160,5	3,5	63,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



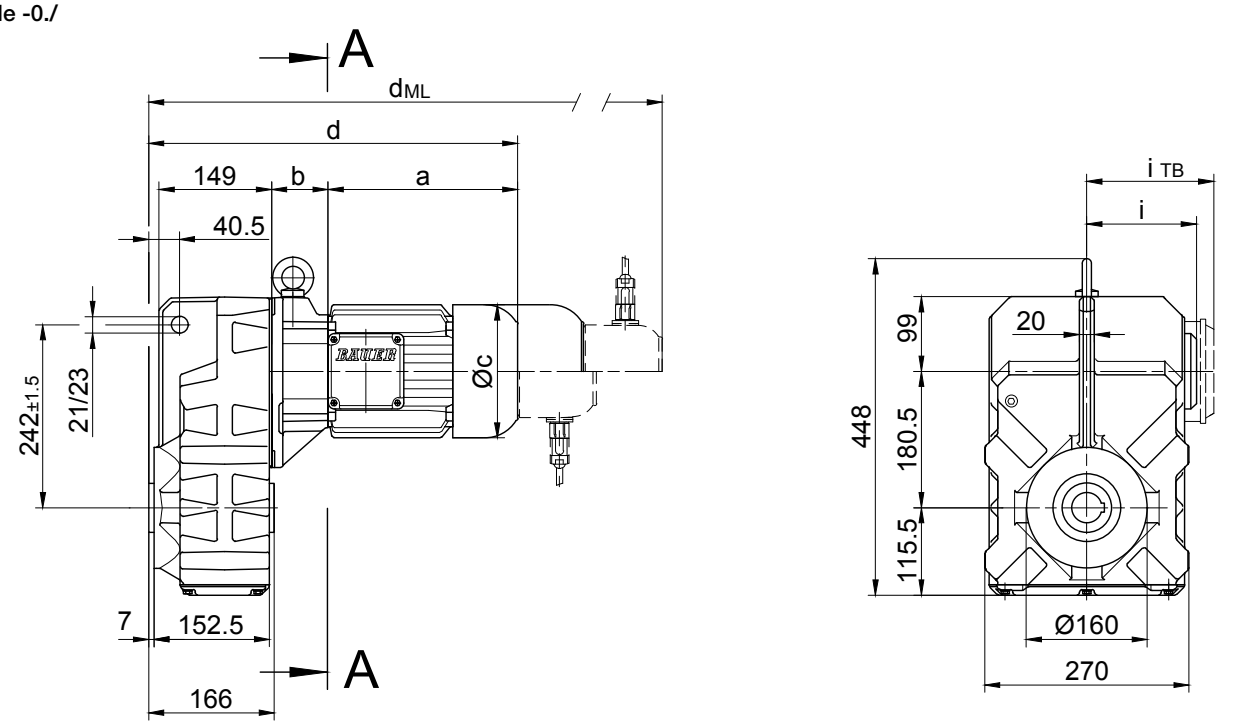


The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

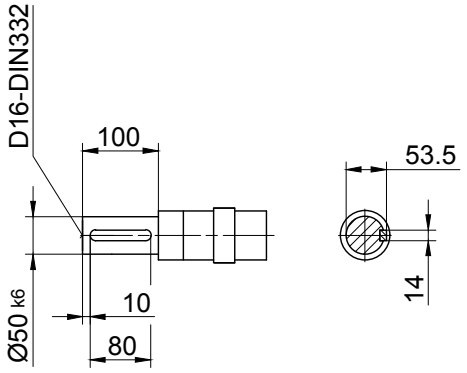
BF-series shaft-mounted geared motors

Dimension - Standard

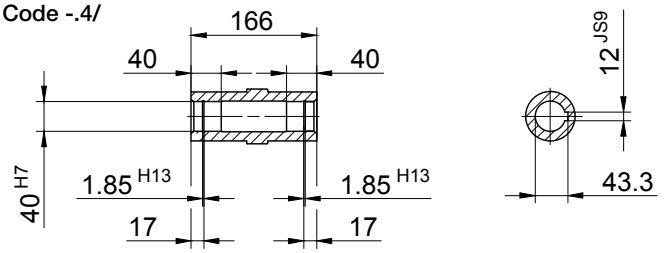
BF40-BF40Z
with torque arm
Code -0./



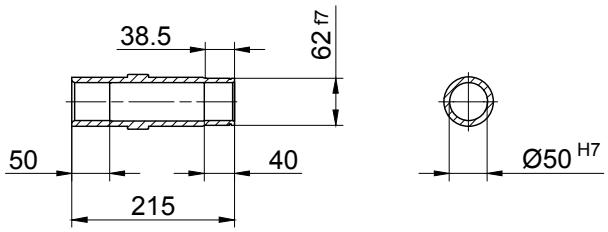
Code -.1/

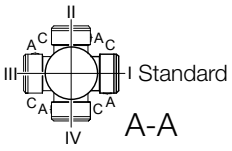


Code -.4/



Code -.5/





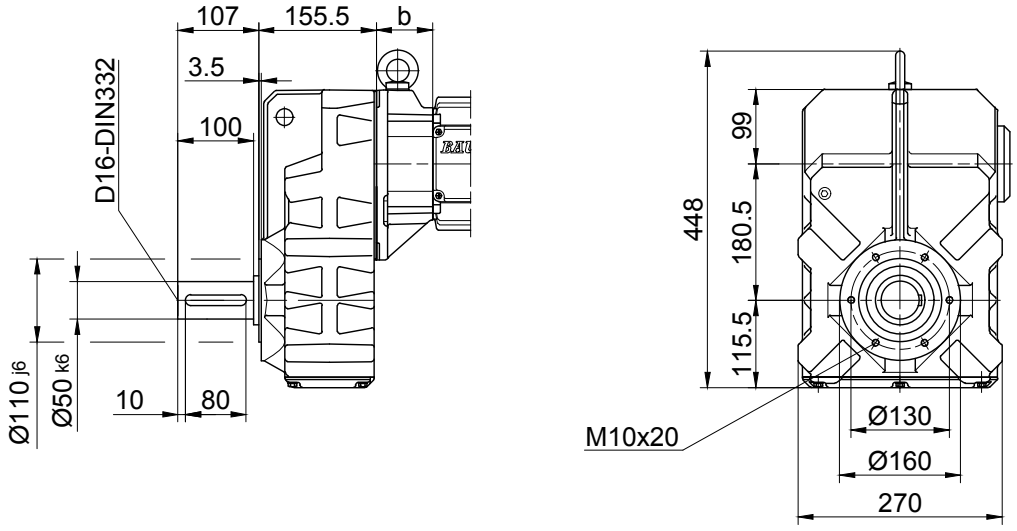
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF40Z-../S..06 (M, L)	170,5	138,5	123	471,5	99	119	513,5	574	611,5	-
BF40-../S..08 (M, L)	199,5	60	156	422	114,5	136,5	488	534	595,5	-
BF40Z-../S..08 (M, L)	199,5	142,5	156	504,5	114,5	136,5	570,5	616,5	678	-
BF40-../S..09 (S, X)	250,5	74,5	176	487,5	124	157	580,5	595	684,5	-
BF40Z-../S..09 (S, X)	250,5	157	176	570	124	157	663	677,5	767	-
BF40-../S..11 (S, M, L)	319	81	218	562,5	165	176	660,5	670	762,5	-

Dimensions in millimetres (mm)

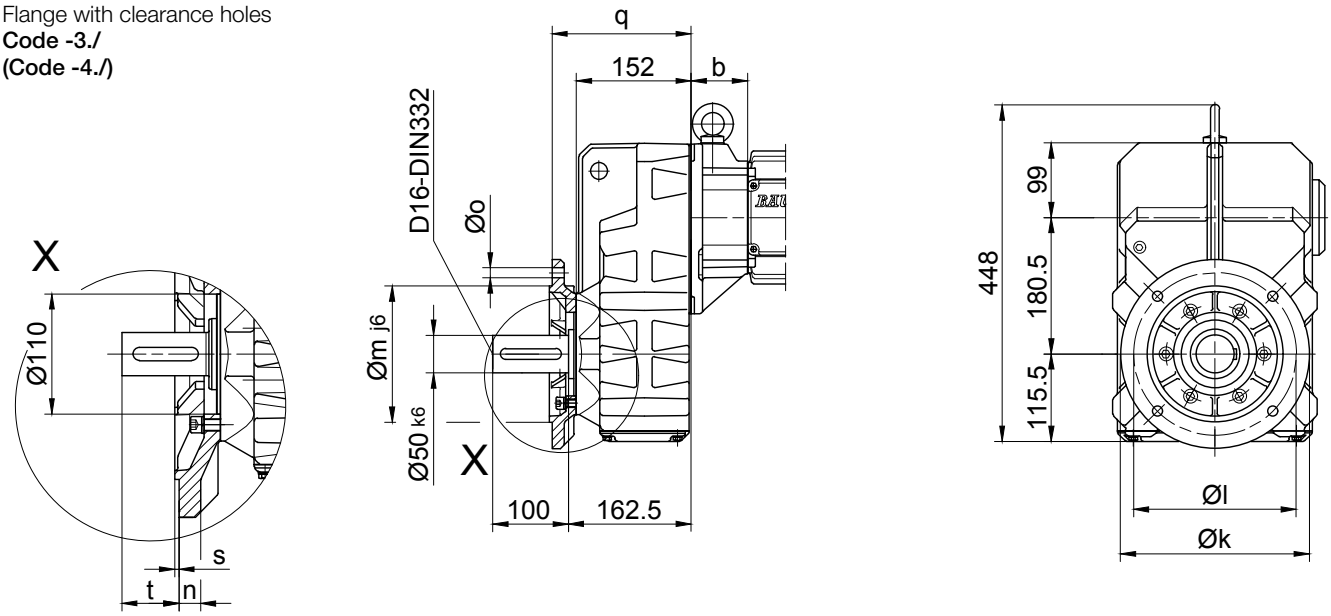
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF40-BF40Z

Flange with tapped holes
Code -7./

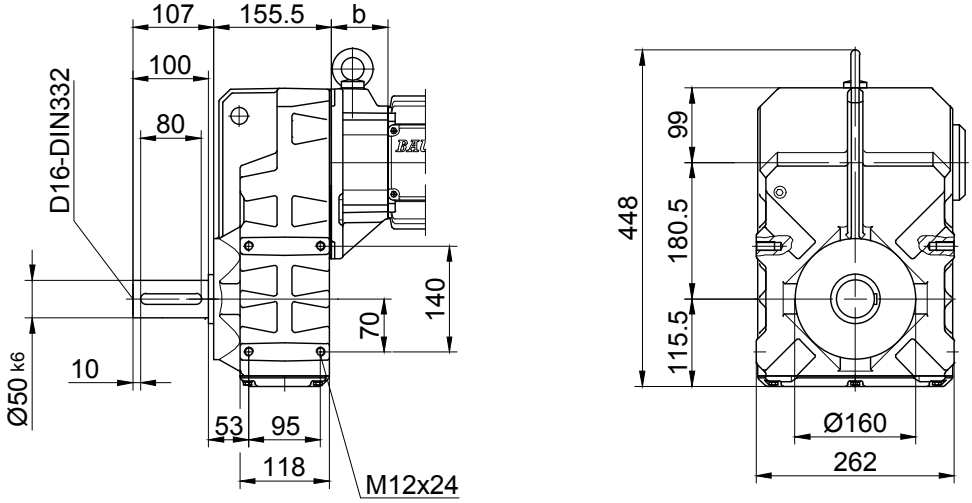


Flange with clearance holes
Code -3./
(Code -4./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF40..	Code -3./	250	215	180	16	13,5	184	4	78,5
BF40..	Code -4./	300	265	230	20	13,5	190	4	72,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

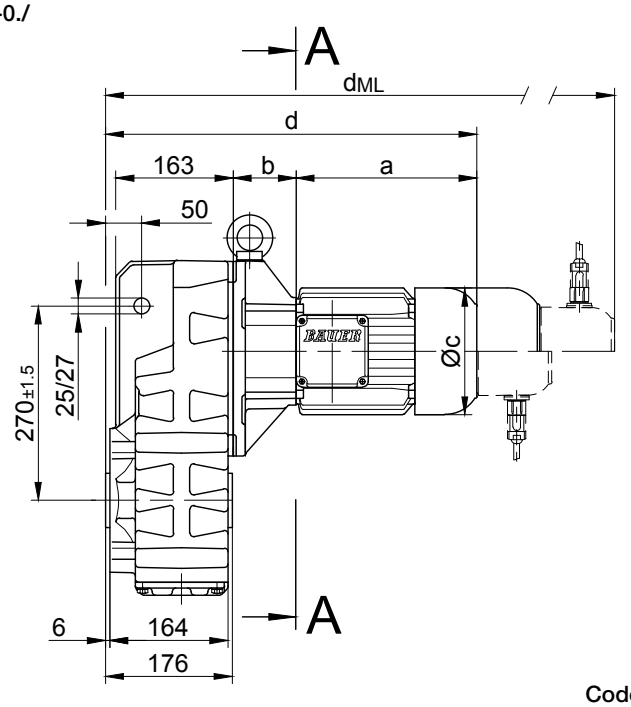
BF-series shaft-mounted geared motors

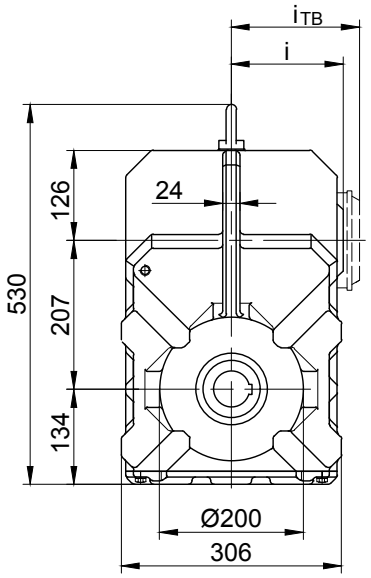
Dimension - Standard

BF50-BF50Z

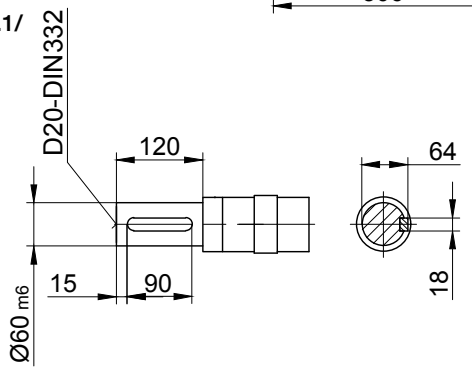
with torque arm

Code -0./

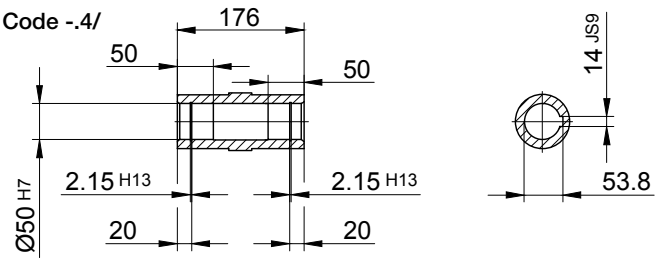




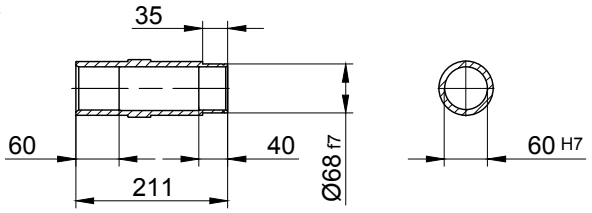
Code -.1/

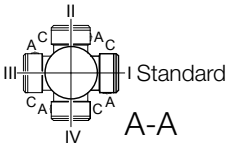


Code -.4/



Code -.5/





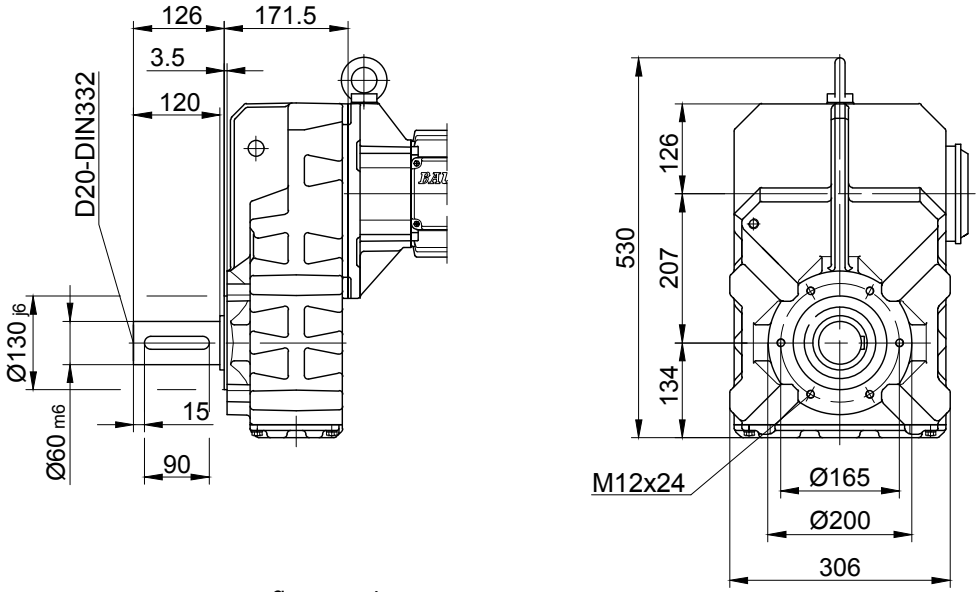
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF50Z-../S..06 (M, L)	170,5	155	123	503	99	119	545	605,5	643	-
BF50-../S..08 (M, L)	199,5	73	156	450	114,5	136,5	516	562	623,5	-
BF50Z-../S..08 (M, L)	199,5	159	156	536	114,5	136,5	602	648	709,5	-
BF50-../S..09 (S, X)	250,5	87,5	176	515,5	124	157	608,5	623	712,5	-
BF50Z-../S..09 (S, X)	250,5	173,5	176	601,5	124	157	694,5	709	798,5	-
BF50-../S..11 (S, M, L)	319	94	218	590,5	165	176	688,5	698	790,5	-

Dimensions in millimetres (mm)

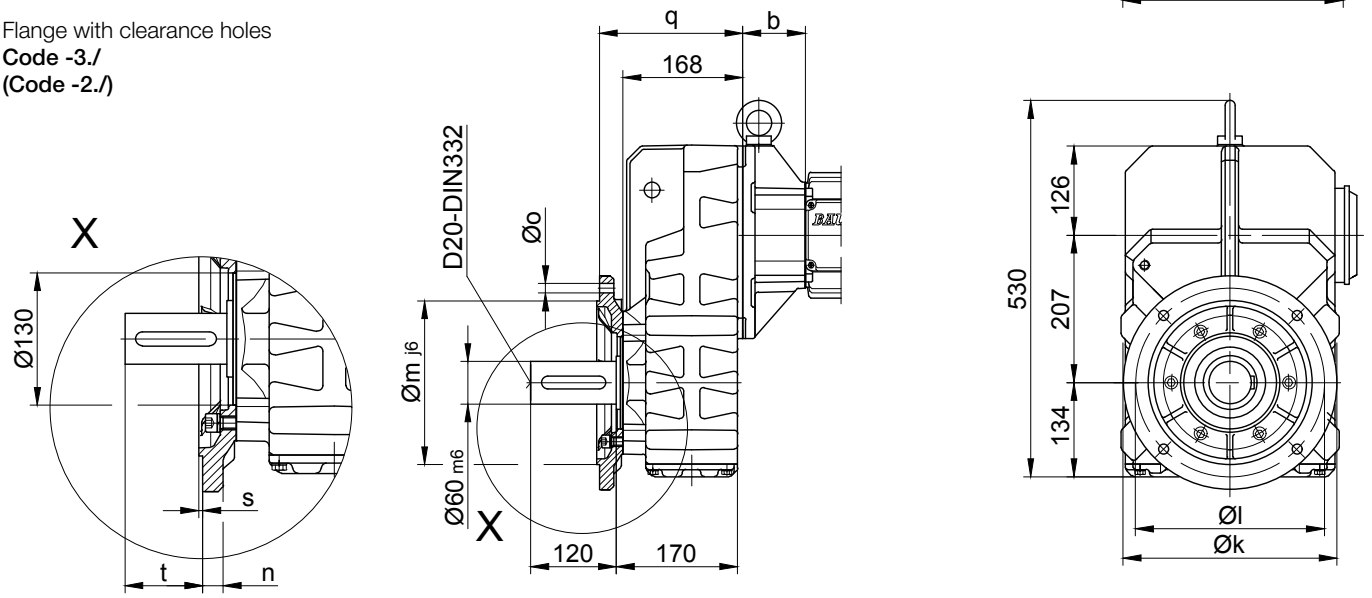
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF50-BF50Z

Flange with tapped holes
Code -7./

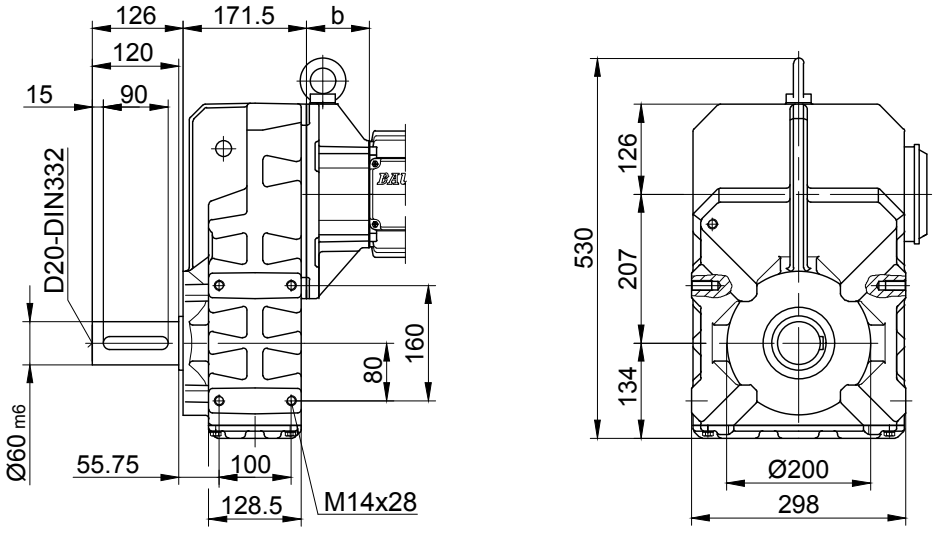


Flange with clearance holes
Code -3./
(Code -2./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF50..	Code -3./	300	265	230	20	13,5	201	4	96,5
BF50..	Code -2./	250	215	180	16	13,5	198	4	99,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/

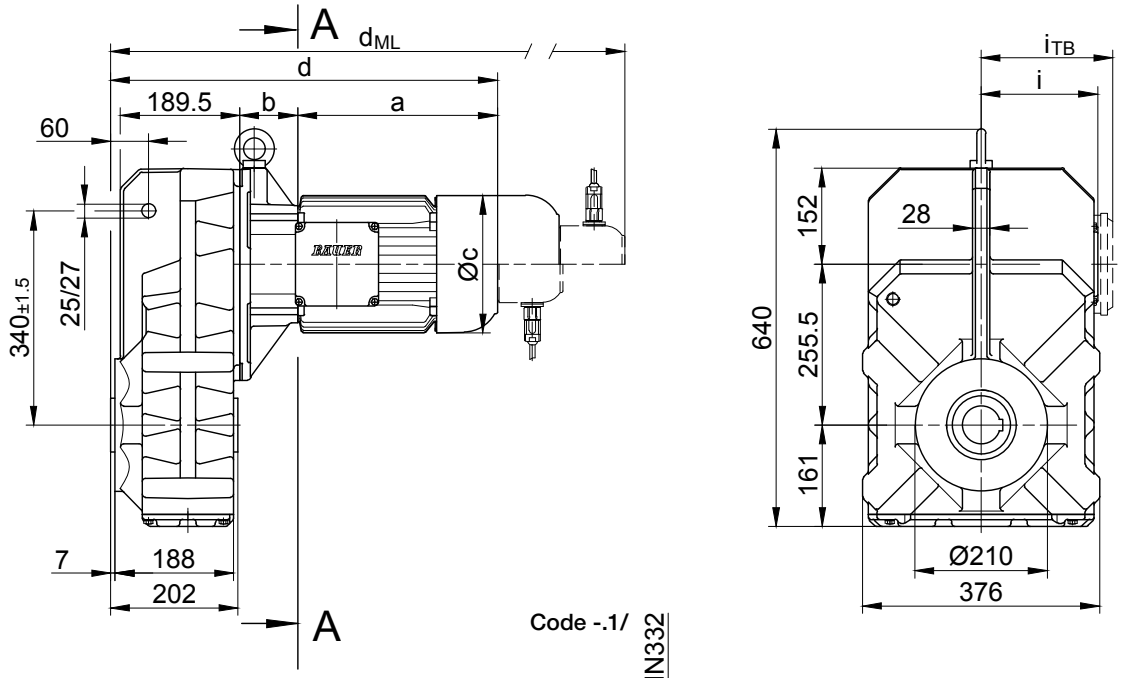


The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

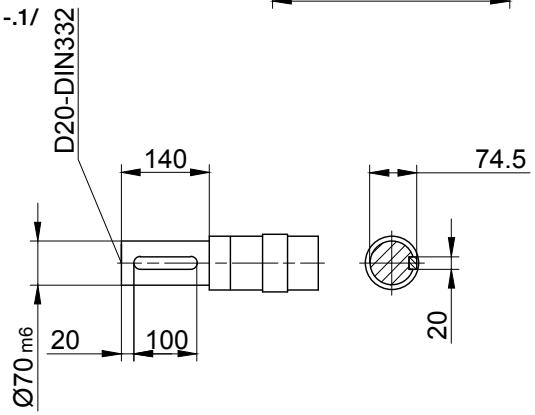
BF-series shaft-mounted geared motors

Dimension - Standard

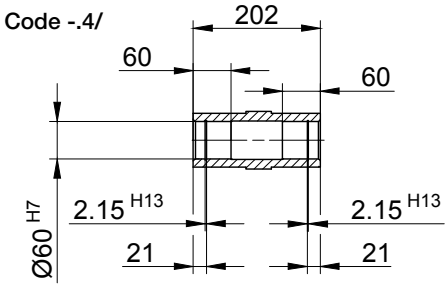
BF60-BF60Z
with torque arm
Code -0./



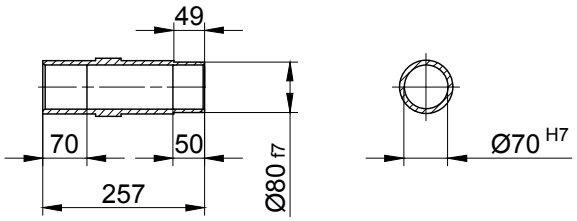
Code -.1/

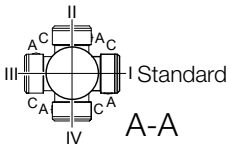


Code -.4/



Code -.5/





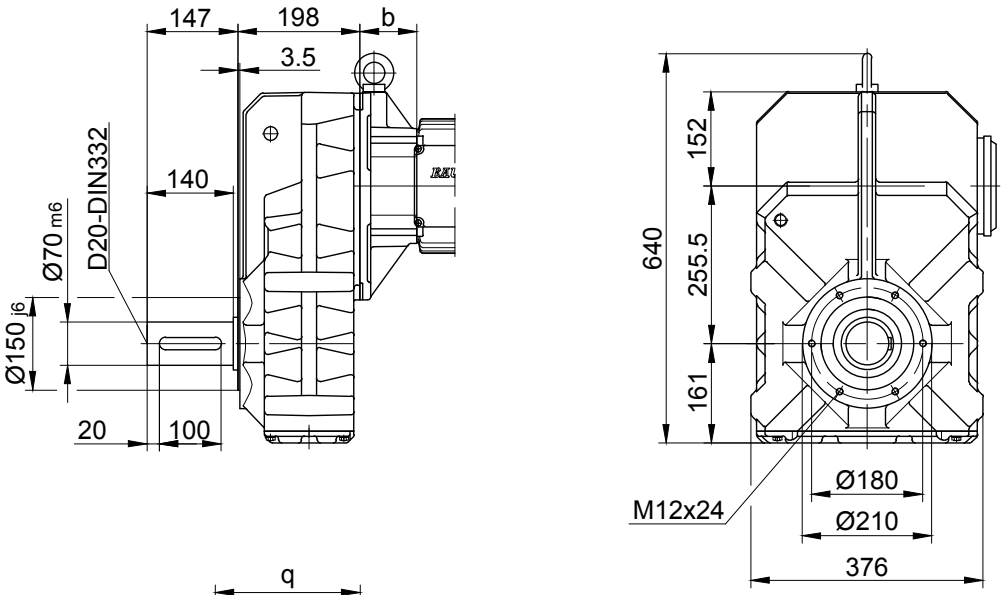
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF60Z-../S..08 (M, L)	199,5	181	156	585,5	114,5	136,5	651,5	697,5	759	-
BF60-../S..09 (S, X)	250,5	85,5	176	541	124	157	634	648,5	738	-
BF60Z-../S..09 (S, X)	250,5	195,5	176	651	124	157	744	758,5	848	-
BF60-../S..11 (S, M, L)	319	92	218	616	165	176	714	723,5	816	-
BF60Z-../S..11 (S, M, L)	319	202	218	726	165	176	824	833,5	926	-

Dimensions in millimetres (mm)

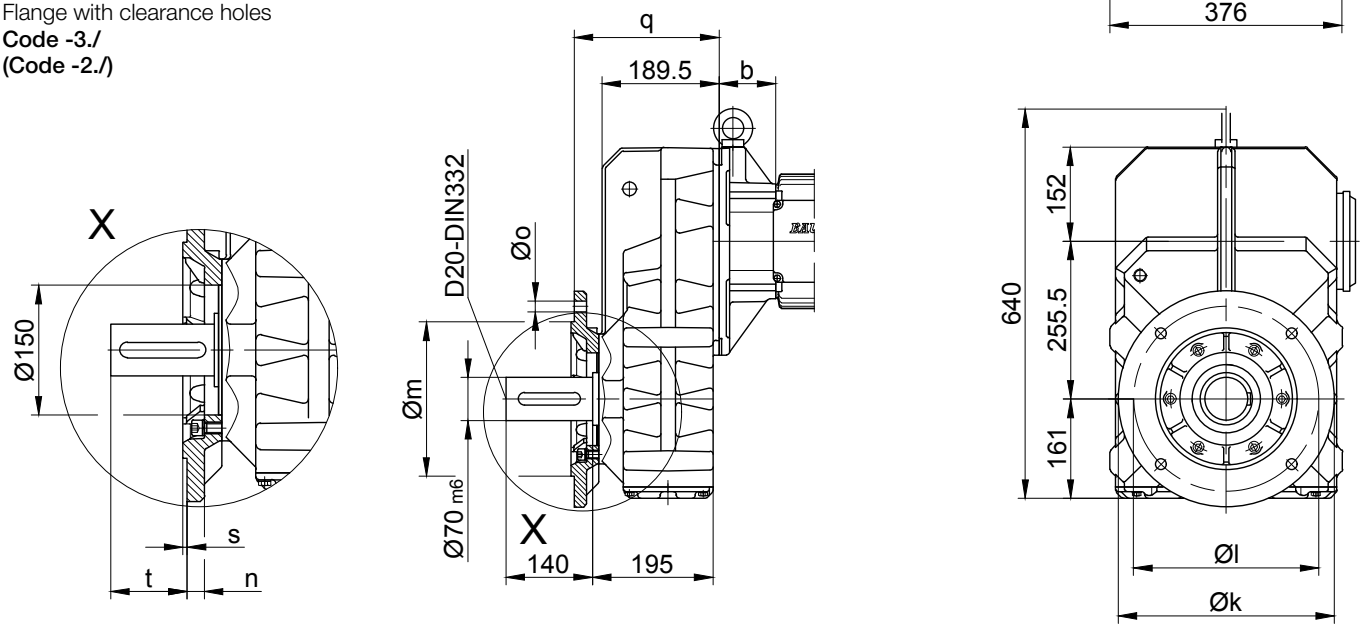
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF60-BF60Z

Flange with tapped holes
Code -7./

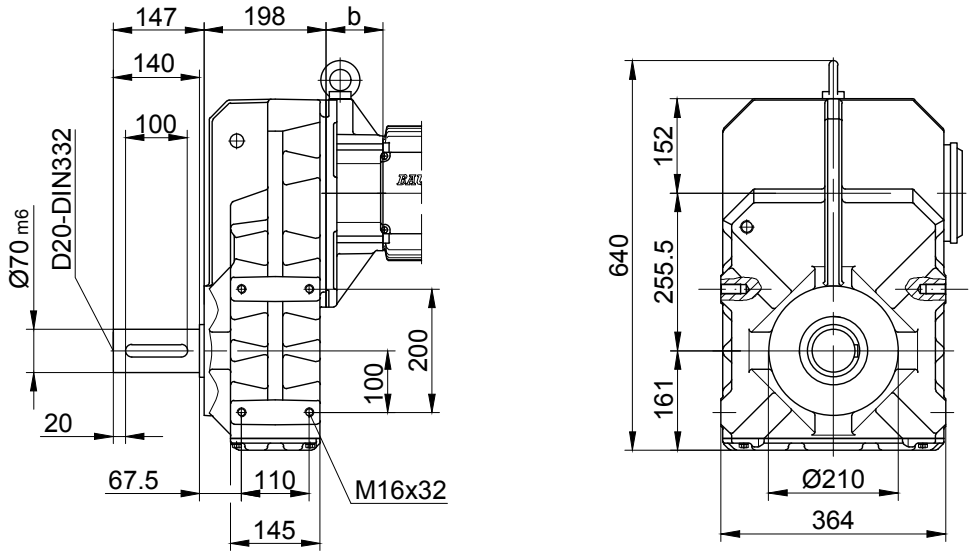


Flange with clearance holes
Code -3./
(Code -2./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF60..	Code -3./	350	300	250	20	17,5	234,5	5	110,5
BF60..	Code -2./	300	265	230	20	13,5	242,5	4	102,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/

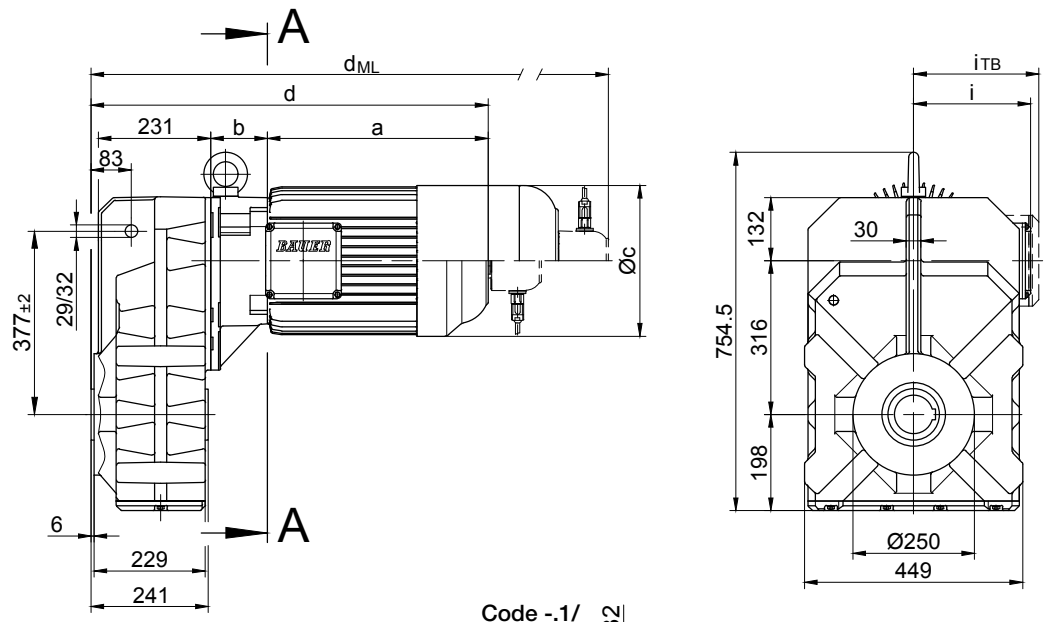


The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

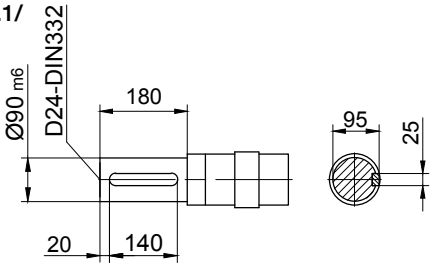
BF-series shaft-mounted geared motors

Dimension - Standard

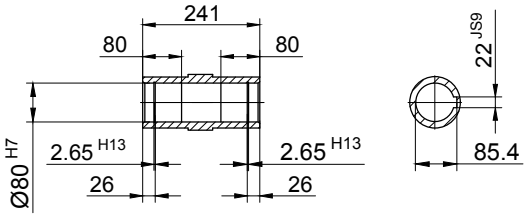
BF70-BF70Z
with torque arm
Code -0./



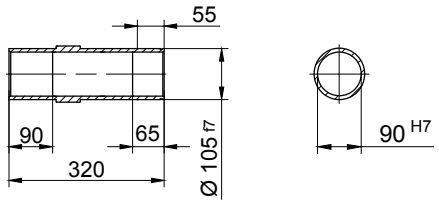
Code -.1/



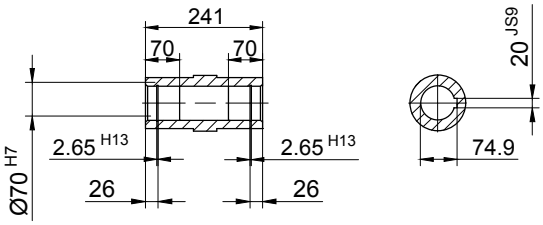
Code -.4/

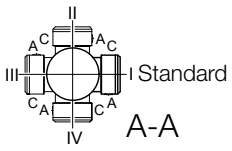


Code -.5/



Code -.4/K70





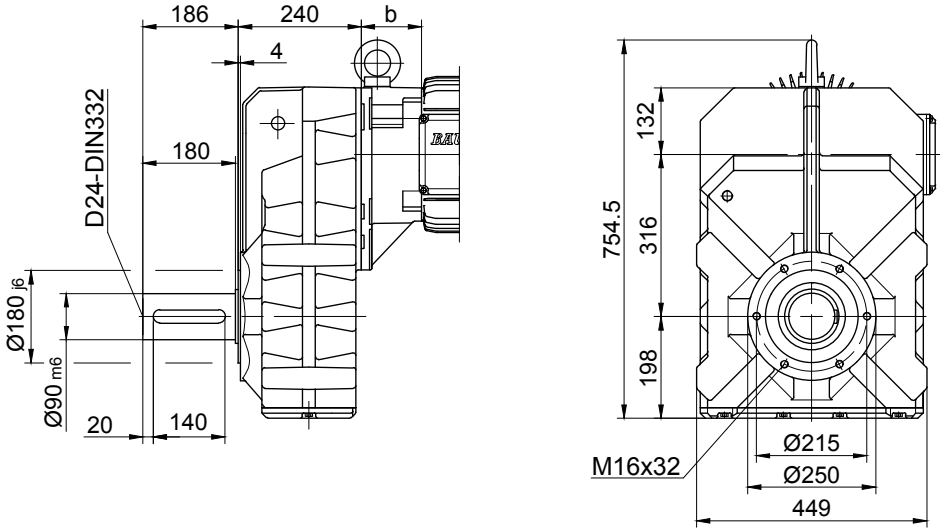
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF70Z-../S..08 (M, L)	199,5	202	156	647,5	114,5	136,5	713,5	759,5	821	-
BF70-../S..09 (S, X)	250,5	83,5	176	580	124	157	673	687,5	777	-
BF70Z-../S..09 (S, X)	250,5	216,5	176	713	124	157	806	820,5	910	-
BF70-../S..11 (S, M, L)	319	90	218	655	165	176	753	762,5	855	-
BF70Z-../S..11 (S, M, L)	319	223	218	788	165	176	886	895,5	988	-

Dimensions in millimetres (mm)

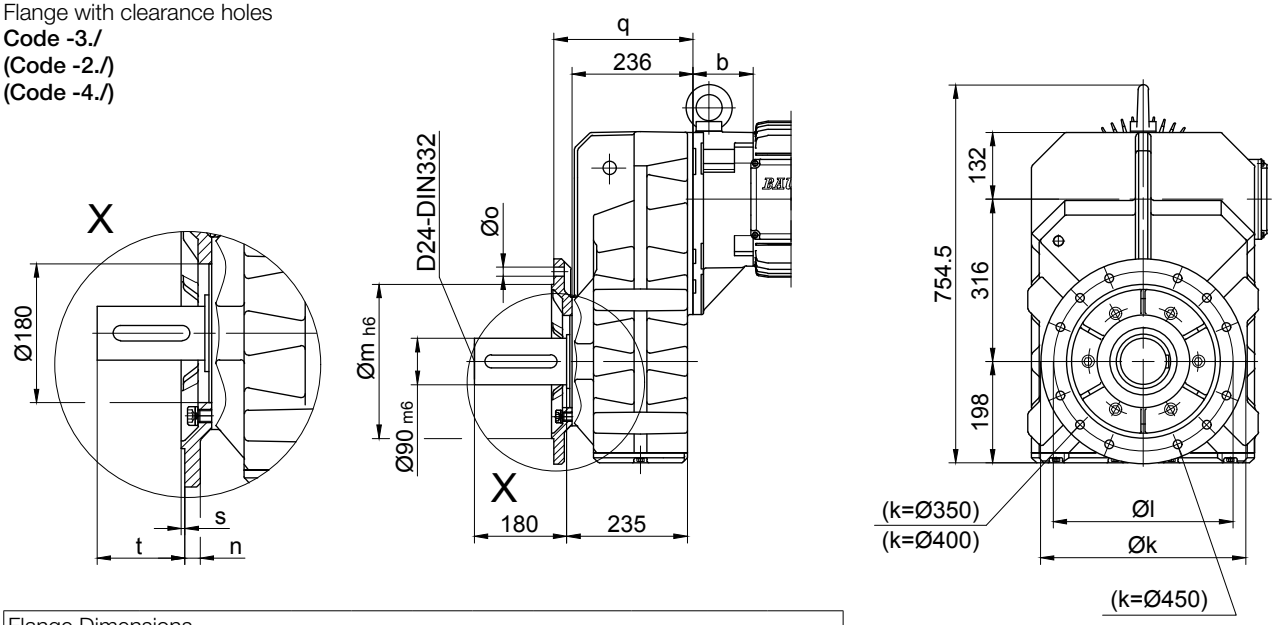
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF70-BF70Z

Flange with tapped holes
Code -7./

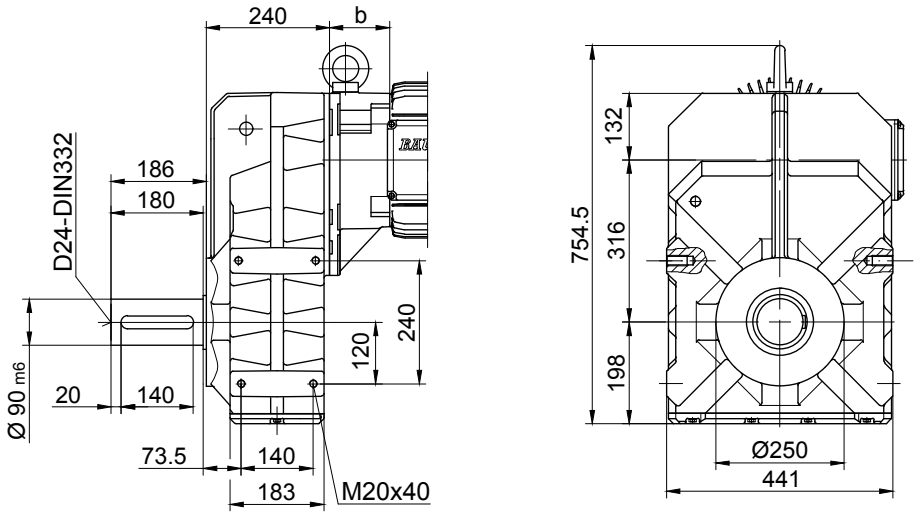


Flange with clearance holes
Code -3./
(Code -2./)
(Code -4./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF70..	Code -3./	400	350	300	20	4 x 17,5	271	5	155
BF70..	Code -2./	350	300	250	20	4 x 17,5	271	5	155
BF70..	Code -4./	450	400	350	22	8 x 17,5	281	5	145
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

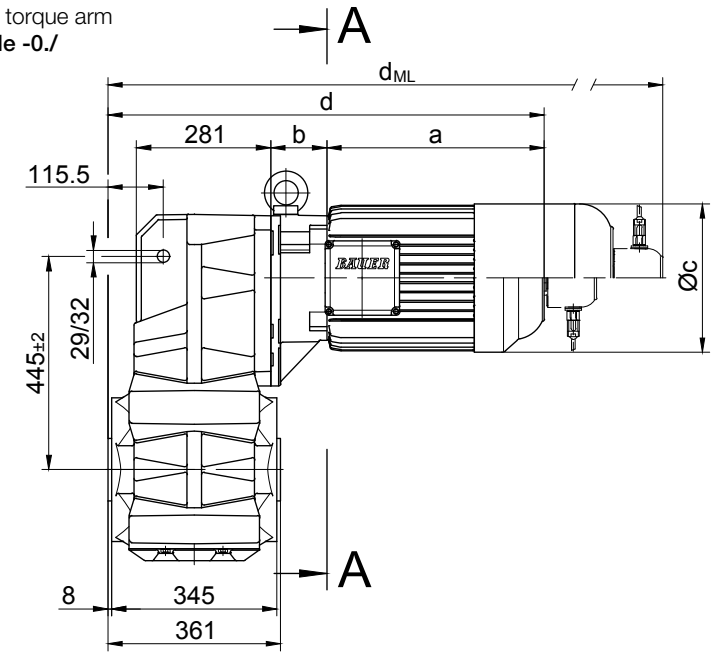
BF-series shaft-mounted geared motors

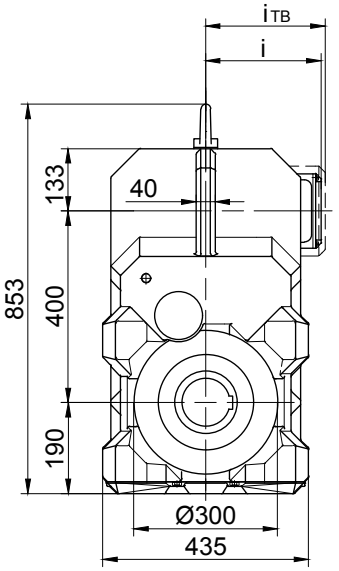
Dimension - Standard

BF80-BF80Z

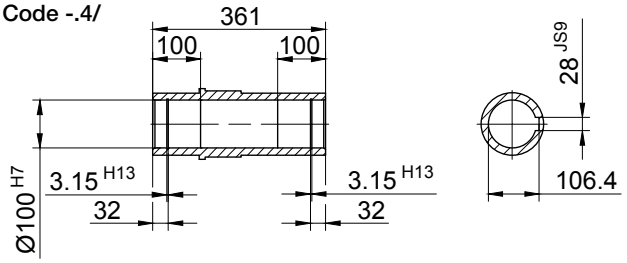
with torque arm

Code -0./

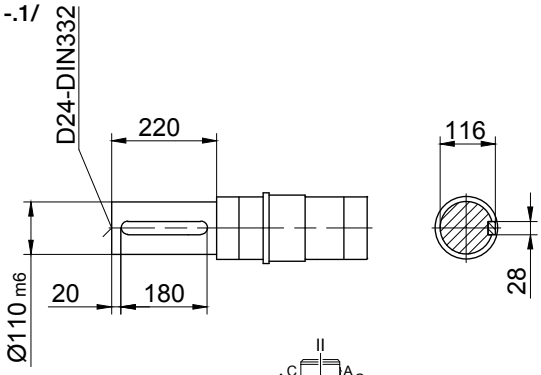




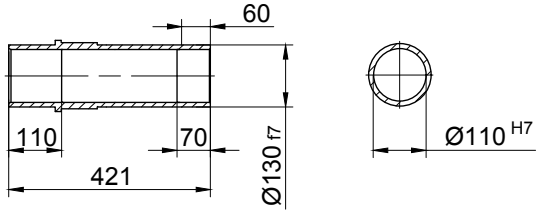
Code -.4/

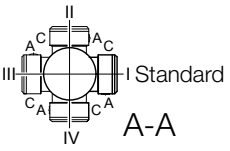


Code -.1/



Code -.5/





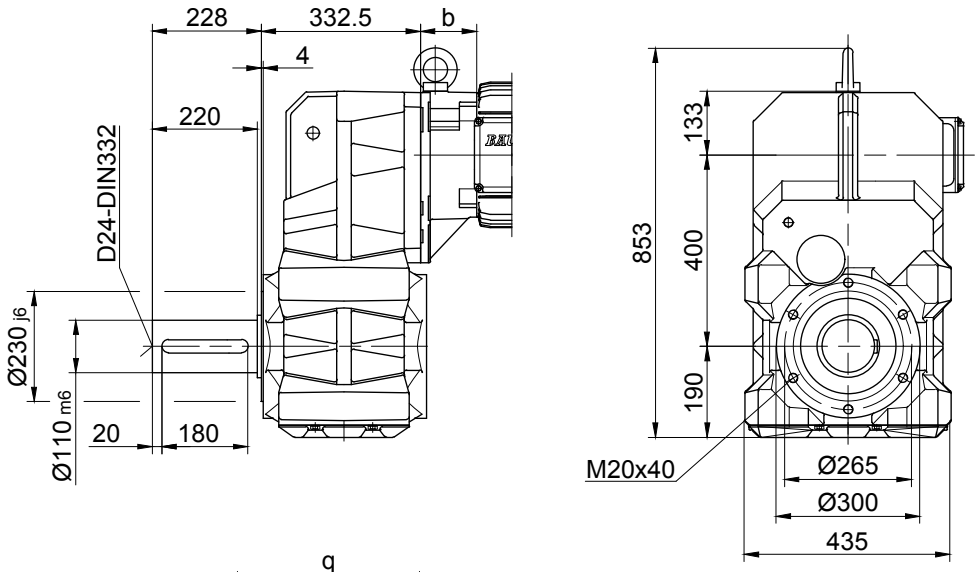
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF80Z-../S..08 (M, L)	199,5	202	156	742	114,5	136,5	808	854	915,5	-
BF80-../S..09 (S, X)	250,5	83,5	176	674,5	124	157	767,5	782	871,5	-
BF80Z-../S..09 (S, X)	250,5	216,5	176	807,5	124	157	900,5	915	1004,5	-
BF80-../S..11 (S, M, L)	319	90	218	749,5	165	176	847,5	857	949,5	-
BF80Z-../S..11 (S, M, L)	319	223	218	882,5	165	176	980,5	990	1082,5	-

Dimensions in millimetres (mm)

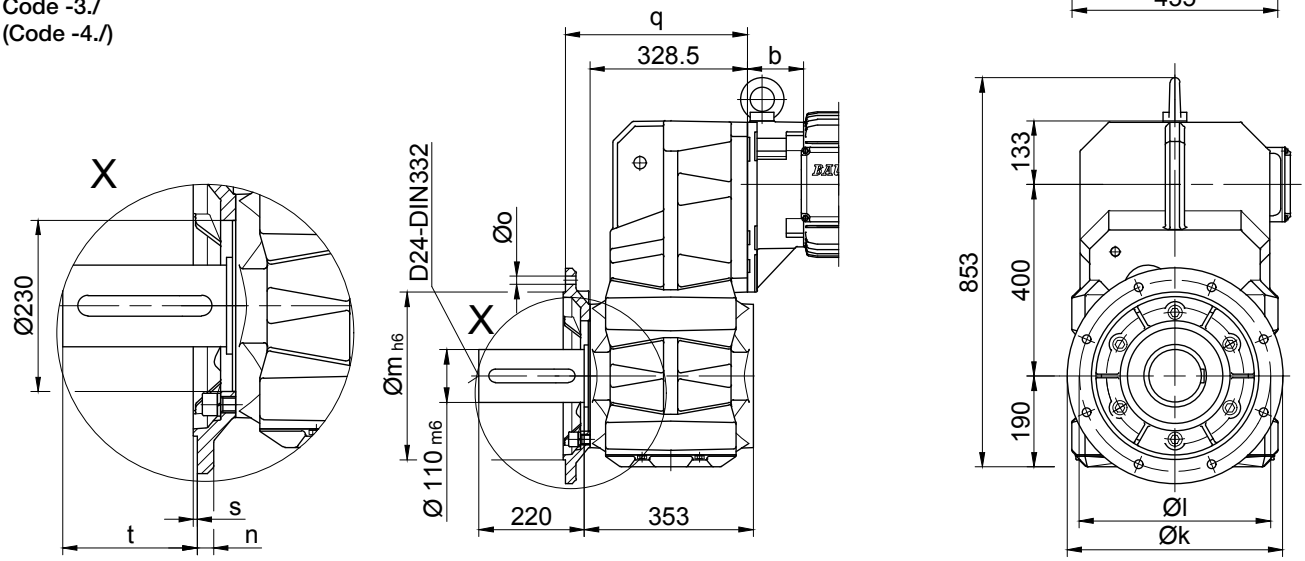
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF80-BF80Z

Flange with tapped holes
Code -7./

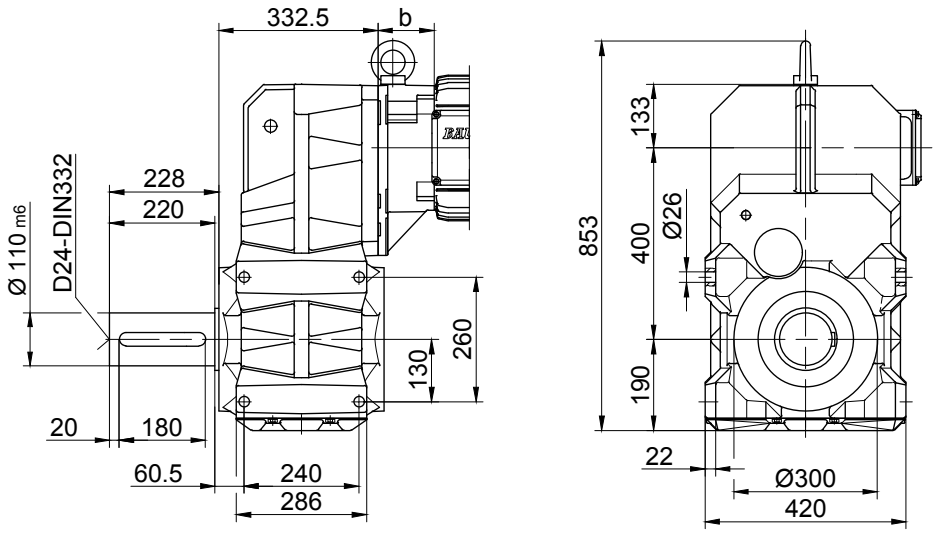


Flange with clearance holes
Code -3./
(Code -4./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF80..	Code -3./	450	400	350	22	17,5	383,5	5	177
BF80..	Code -4./	550	500	450	22	17,5	388,5	5	172
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -1.LR/

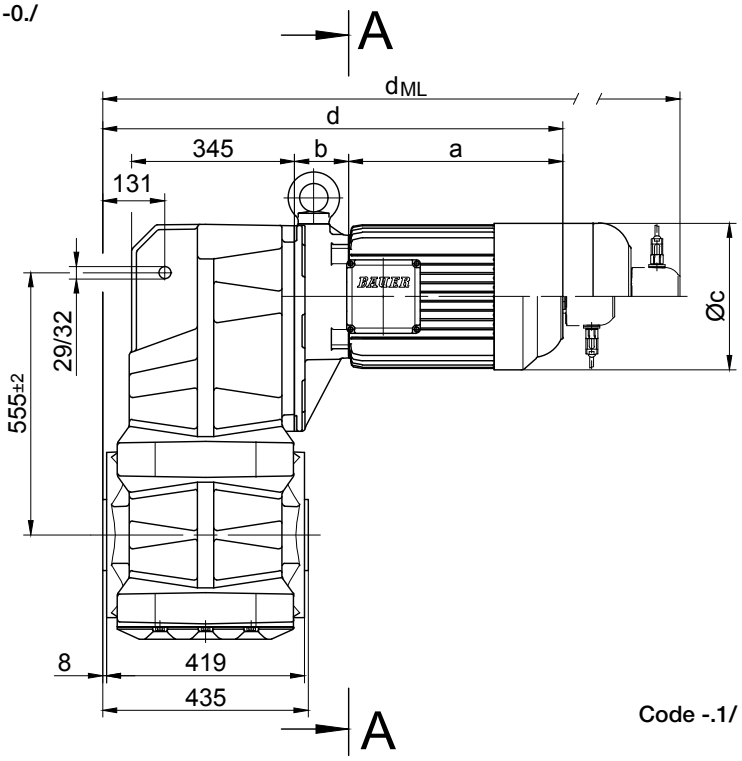


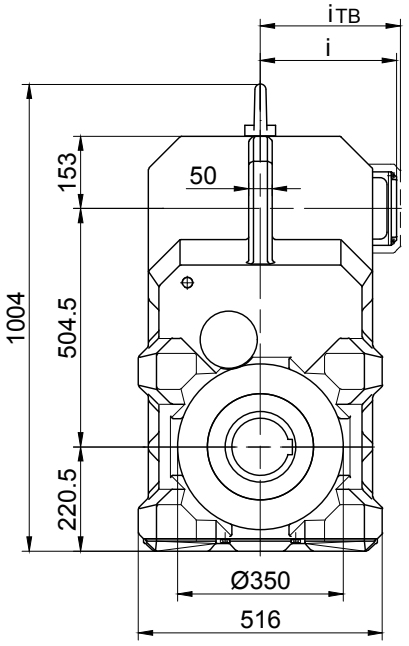
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF-series shaft-mounted geared motors

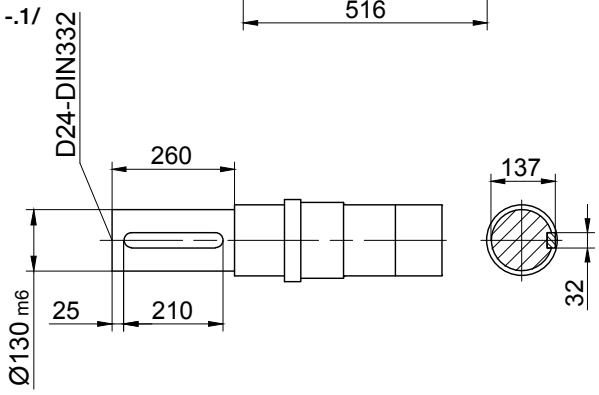
Dimension - Standard

BF90-BF90Z
with torque arm
Code -0./

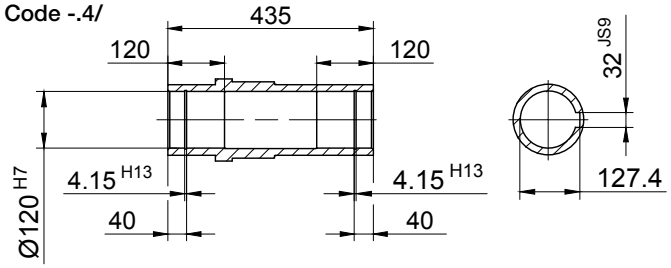




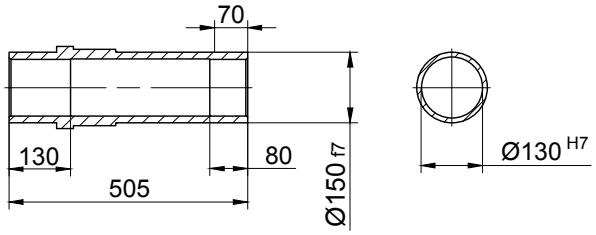
Code -.1/

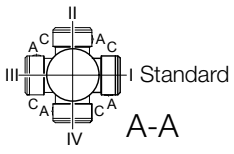


Code -.4/



Code -.5/





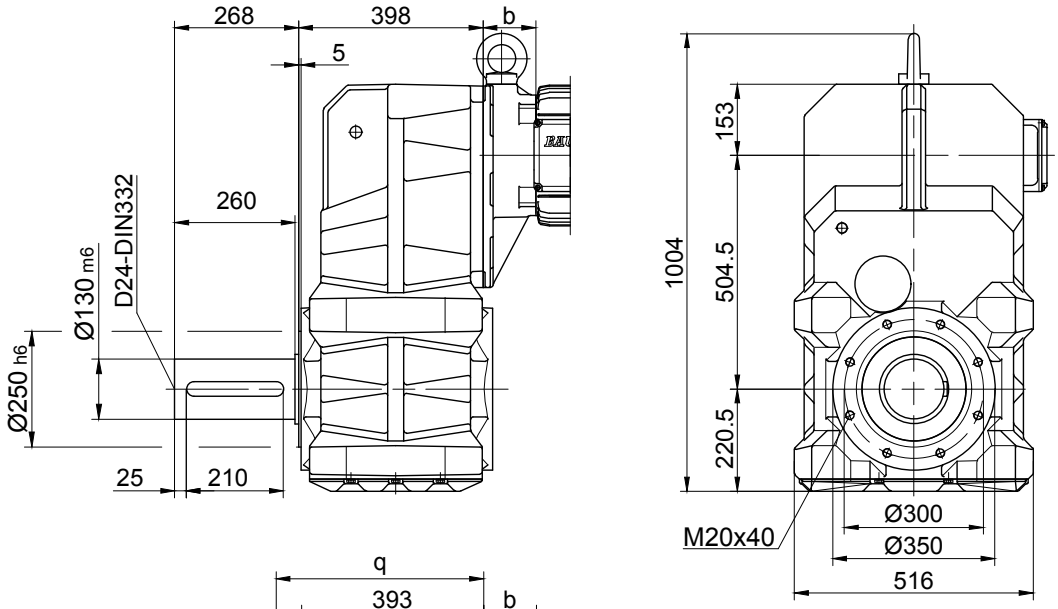
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF90Z-../S..09 (S, X)	250,5	252,5	176	909	124	157	1002	1016,5	1106	-
BF90-../S..11 (S, M, L)	319	87	218	812	165	176	910	919,5	1012	-
BF90Z-../S..11 (S, M, L)	319	259	218	984	165	176	1082	1091,5	1184	-

Dimensions in millimetres (mm)

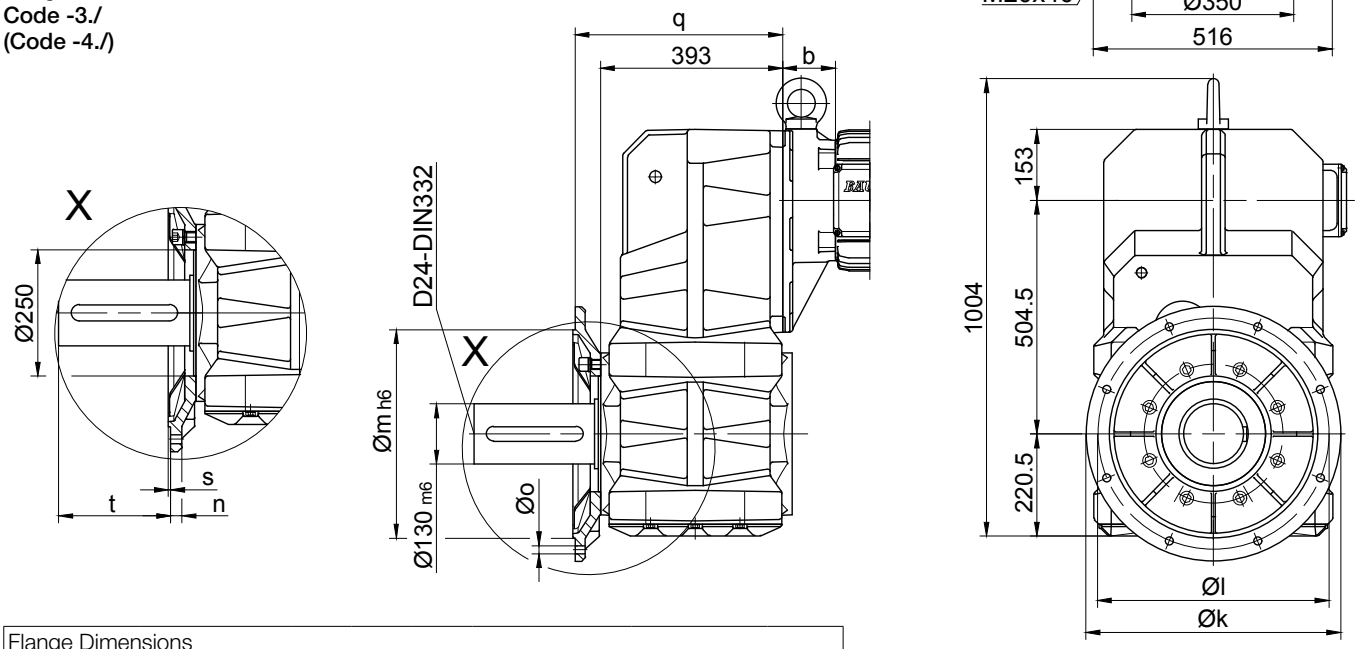
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF90-BF90Z

Flange with tapped holes
Code -7./

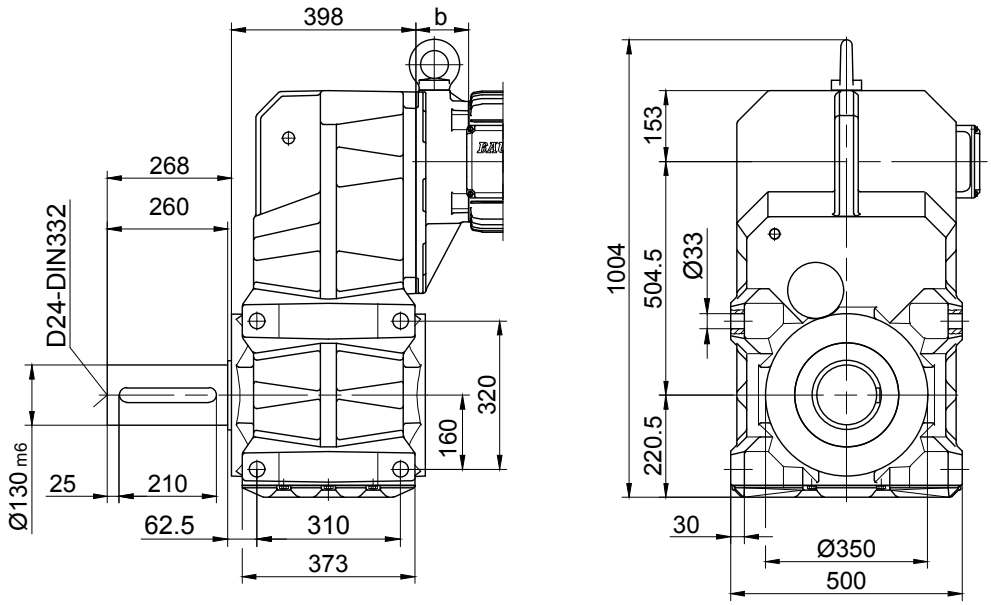


Flange with clearance holes
Code -3./
(Code -4./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF90..	Code -3./	550	500	450	22	17,5	448	5	218
BF90..	Code -4./	660	600	550	25	22	442	6	224
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -1.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

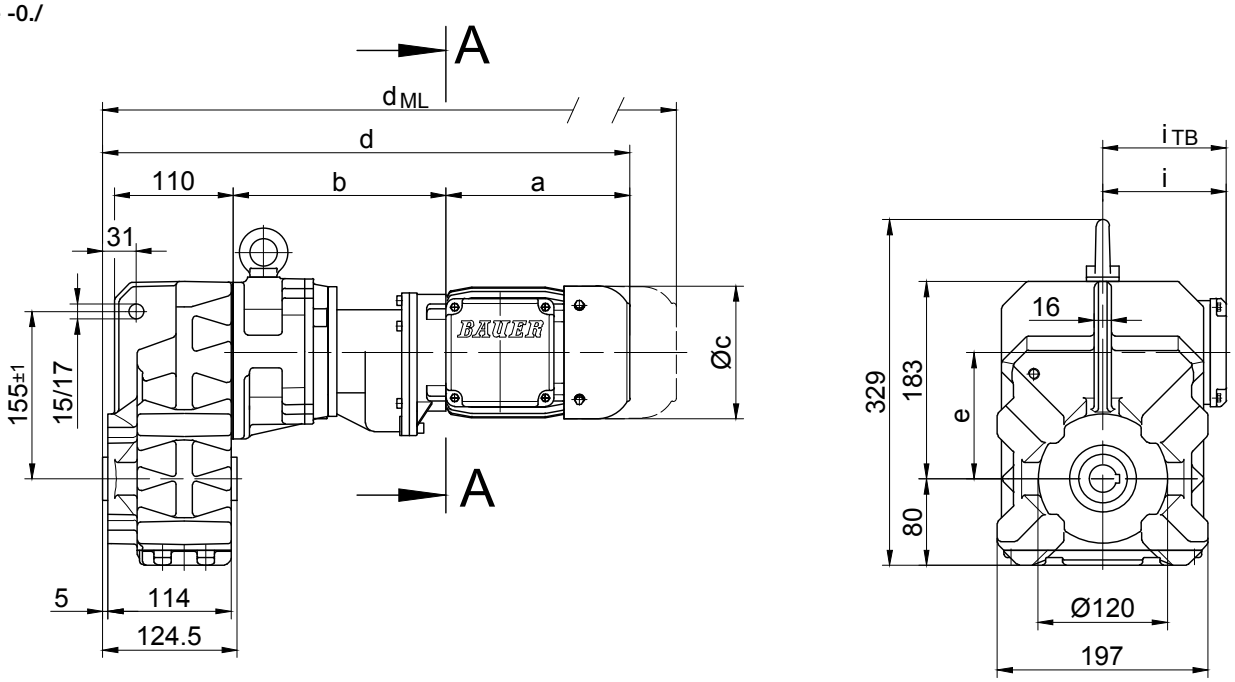
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

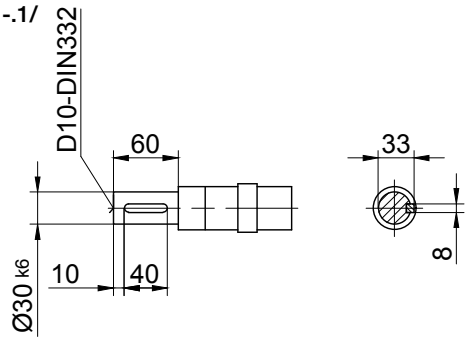
BF10G06

with torque arm

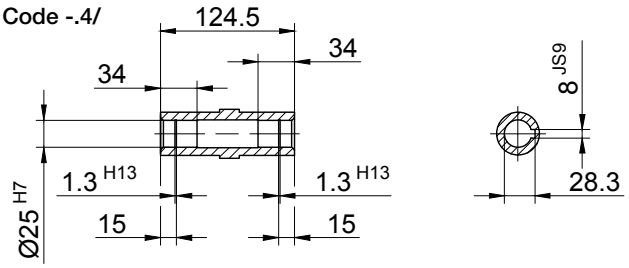
Code -0./



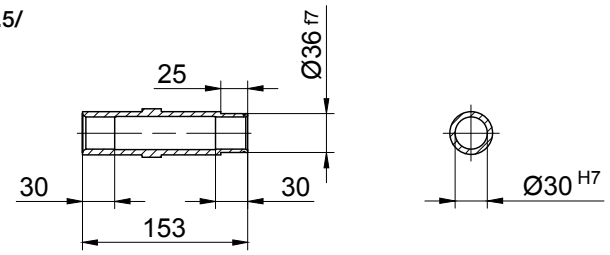
Code -.1/

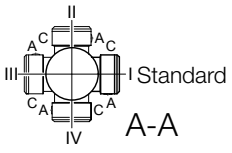


Code -.4/



Code -.5/





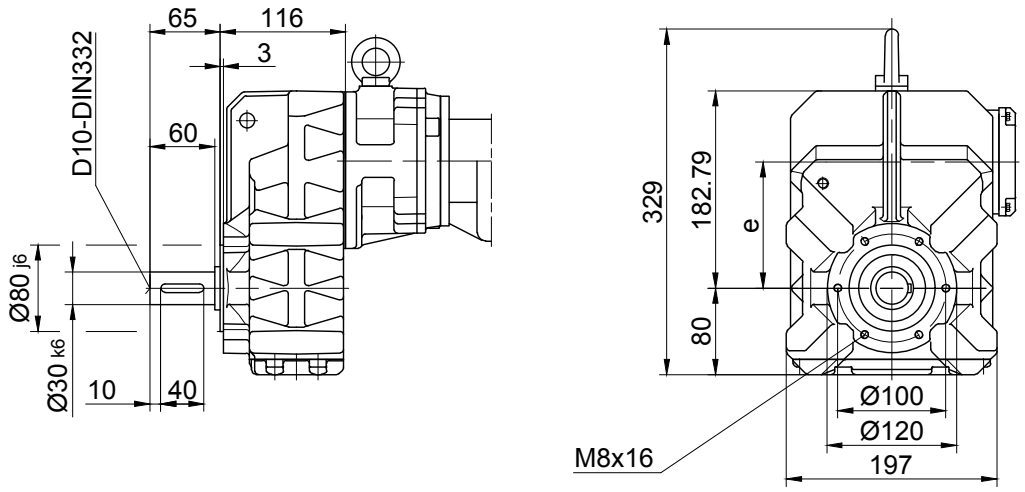
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF10G06-../S04S	142,5	195	110,5	458,5	90	112	502	546	589,5	-
BF10G06-../S..06 (M, L)	170,5	197	123	488,5	99	119	530,5	591	628,5	-
BF10G06-../S..08 (M, L)	199,5	241	156	561,5	114,5	136,5	627,5	673,5	735	-

Dimensions in millimetres (mm)

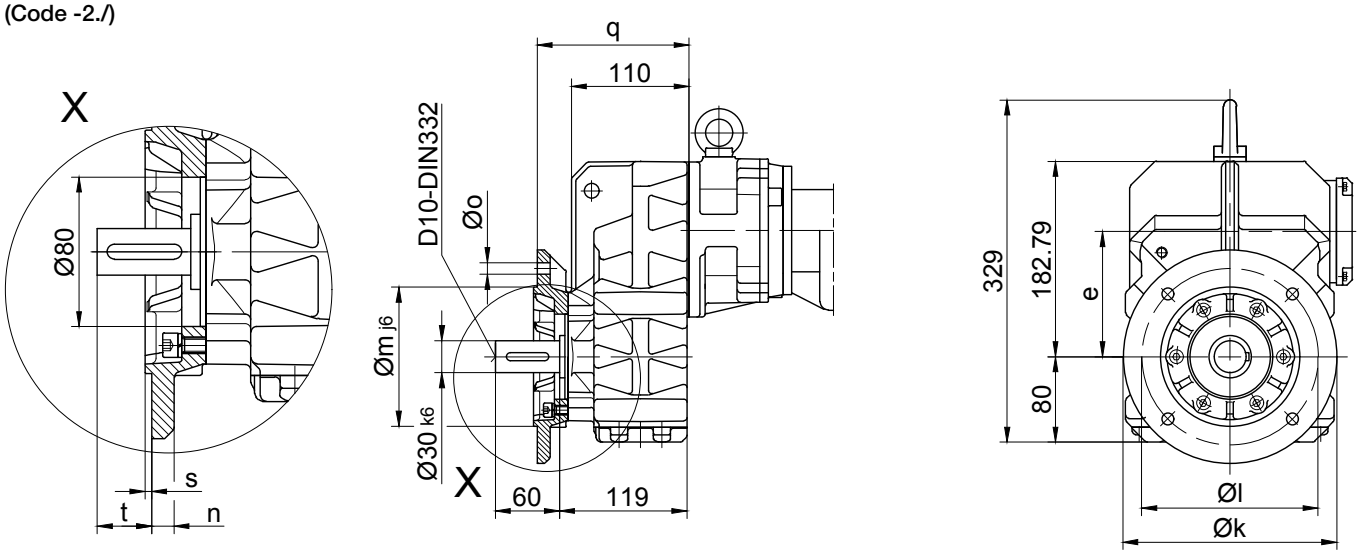
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF10G06

Flange with tapped holes
Code -7./

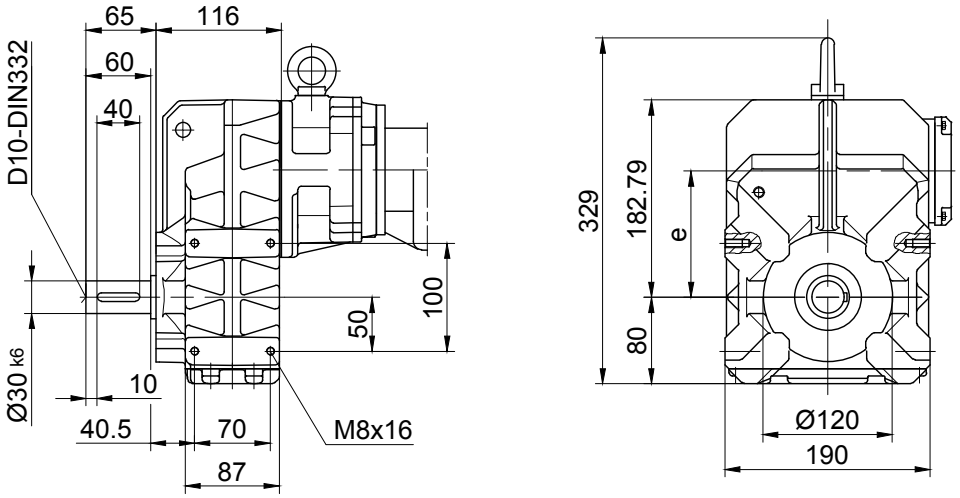


Flange with clearance holes
Code -3./
(Code -2./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF10..	Code -3./	200	165	130	12	11	142	3,5	39
BF10..	Code -2./	160	130	110	10	9	135	3,5	46
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

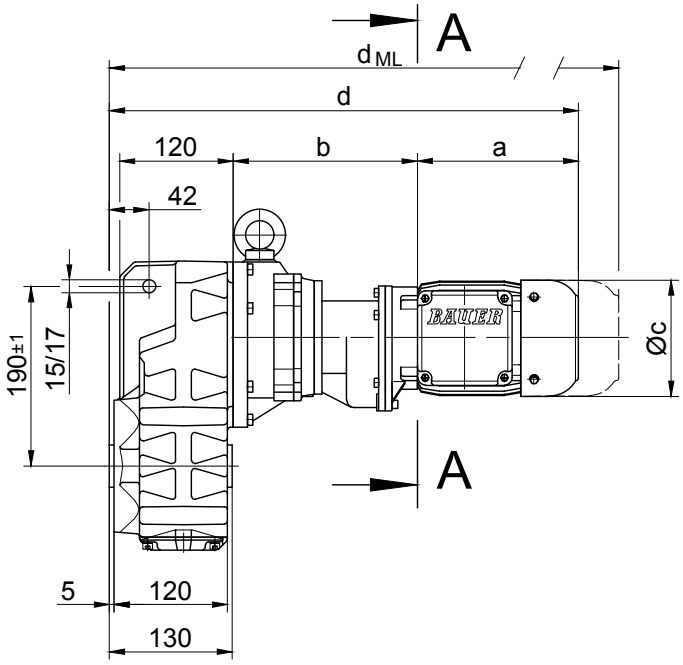
BF-series shaft-mounted geared motors

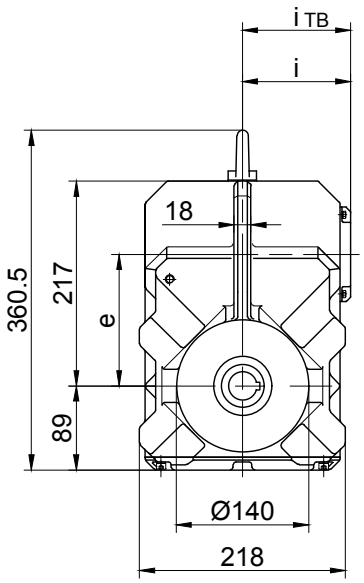
Dimension - Tandem Gearbox

BF20G06

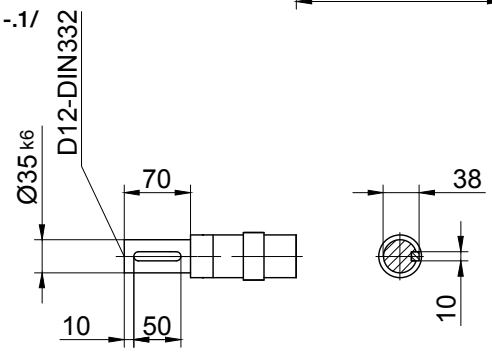
with torque arm

Code -0./

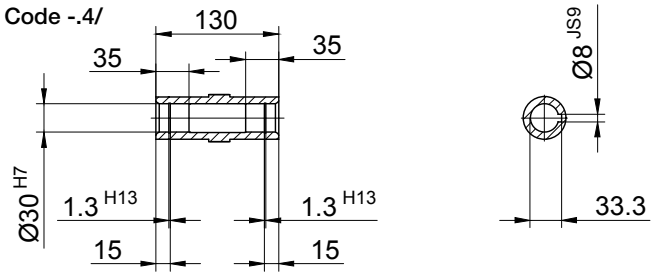




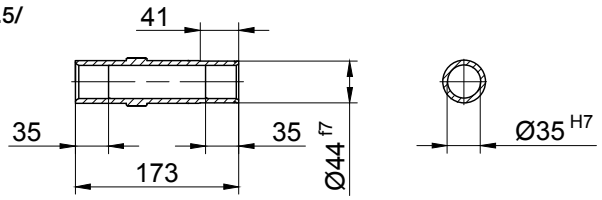
Code -.1/

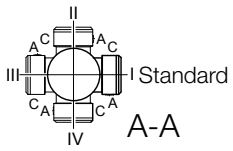


Code -.4/



Code -.5/



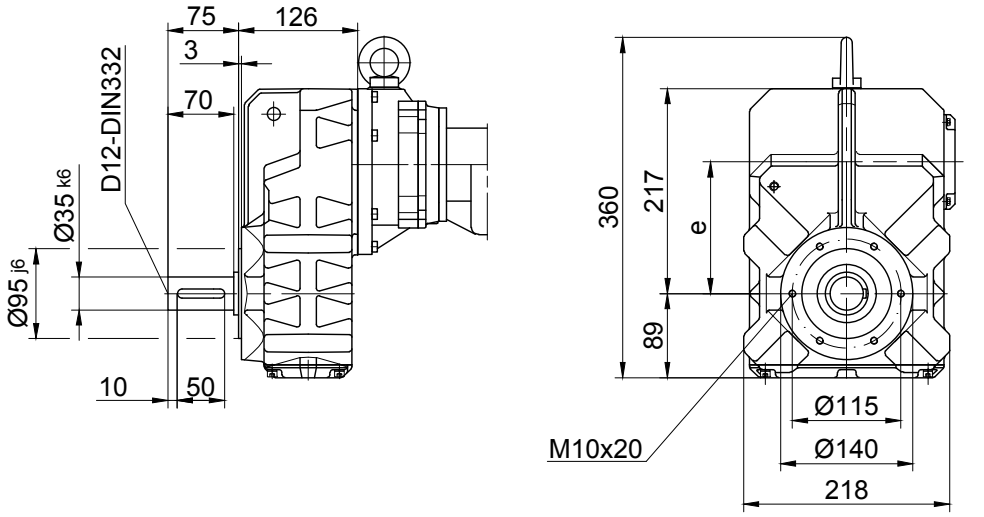


Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF20G06-../S04S	142,5	193	110,5	466,5	90	112	510	554	597,5	-
BF20G06-../S..06 (M, L)	170,5	195	123	496,5	99	119	538,5	599	636,5	-
BF20G06-../S..08 (M, L)	199,5	239	156	569,5	114,5	136,5	635,5	681,5	743	-
Dimensions in millimetres (mm)										

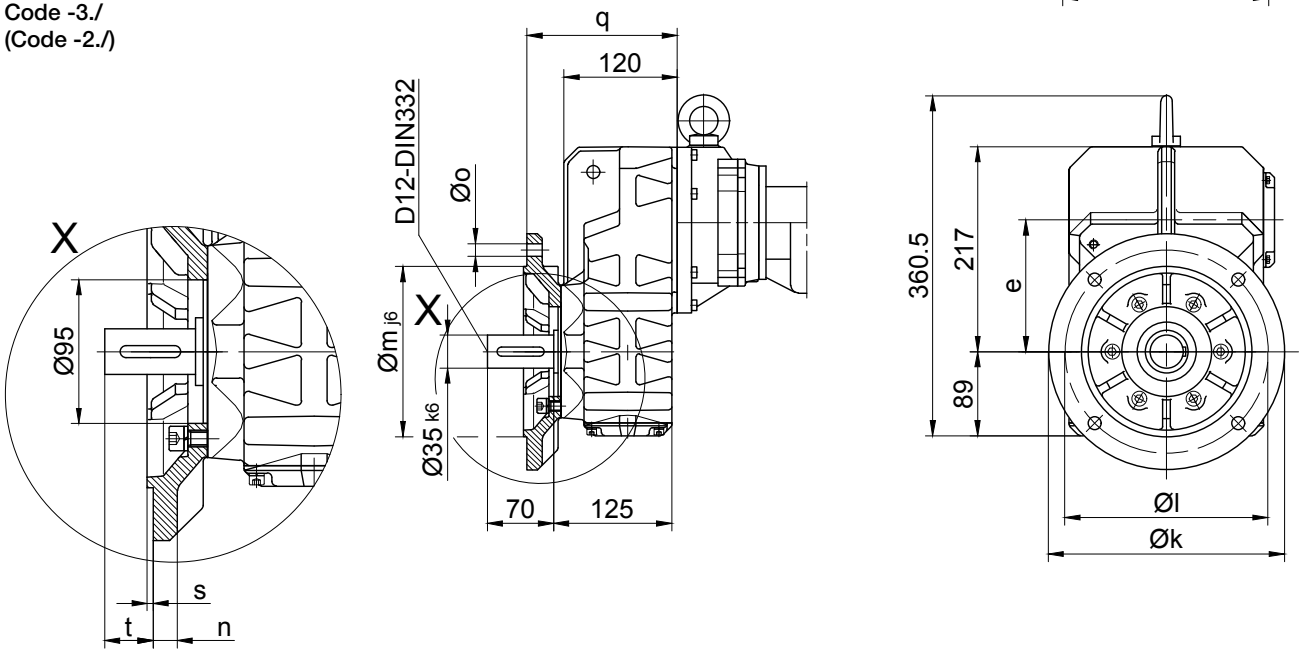
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF20G06

Flange with tapped holes
Code -7./

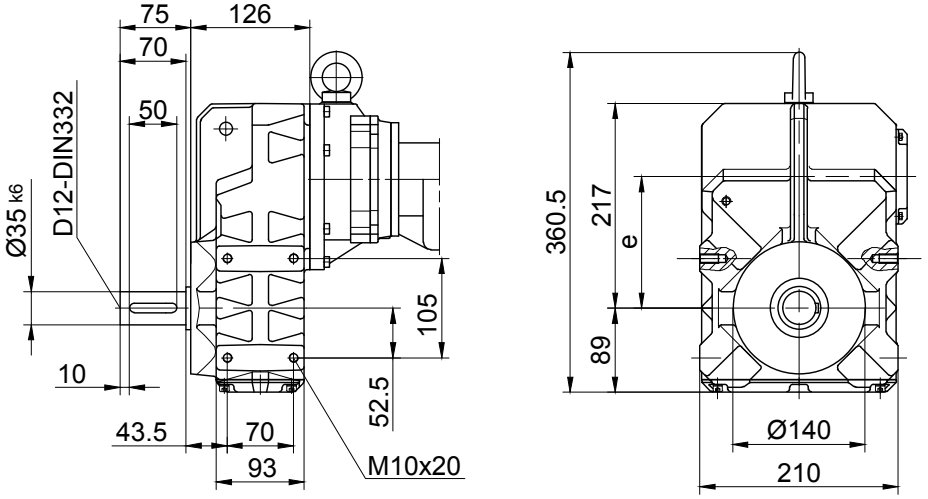


Flange with clearance holes
Code -3./
(Code -2./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF20..	Code -3./	250	215	180	16	13,5	159	4	42
BF20..	Code -2./	200	165	130	12	11	150	3,5	51
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

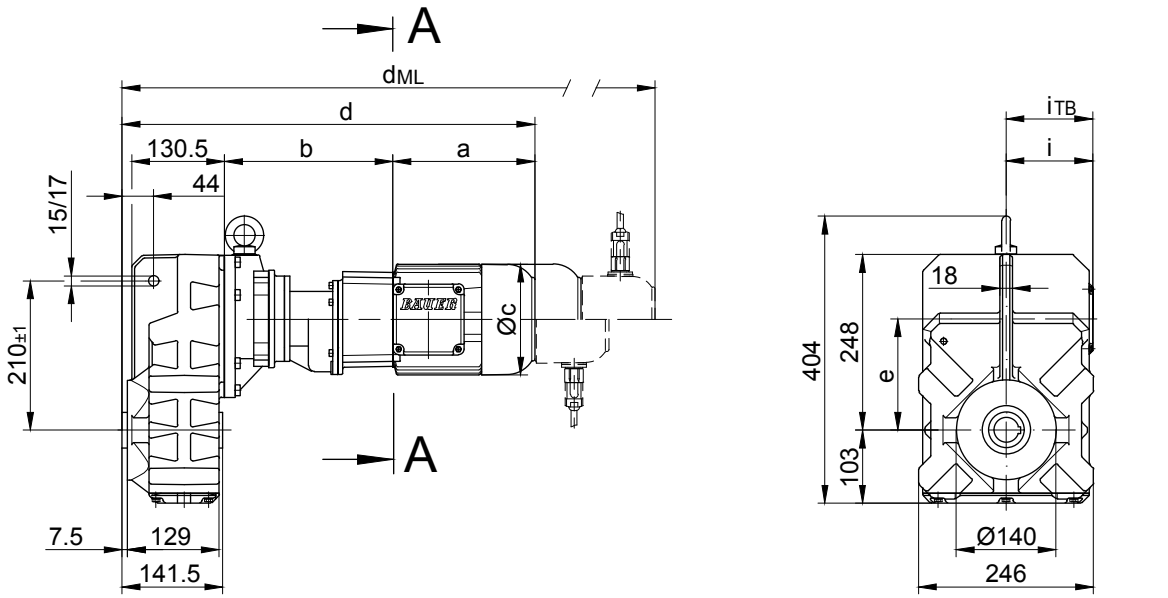
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

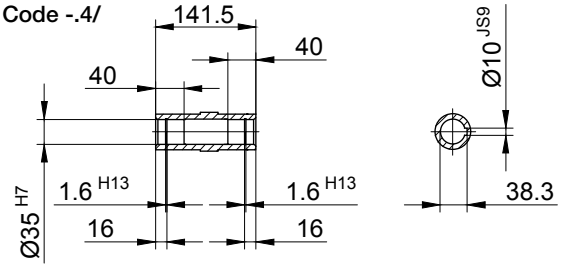
BF30G06

with torque arm

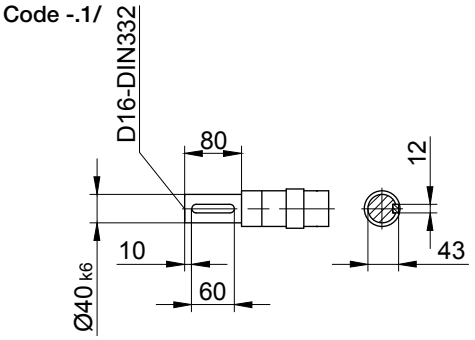
Code -0./



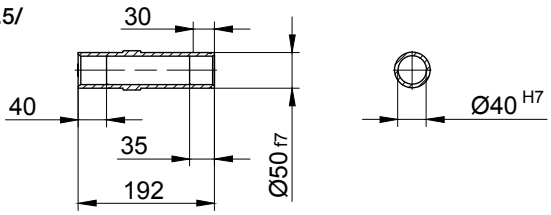
Code -.4/

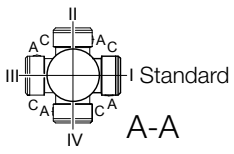


Code -.1/



Code -.5/



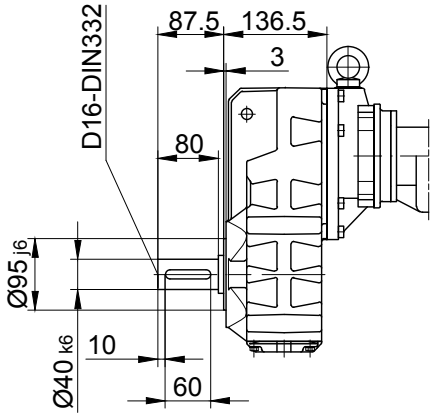


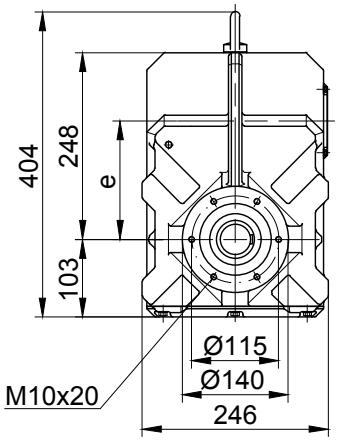
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF30G06-../S04S	142,5	191	110,5	477,5	90	112	521	565	608,5	-
BF30G06-../S..06 (M, L)	170,5	193	123	507,5	99	119	549,5	610	647,5	-
BF30G06-../S..08 (M, L)	199,5	237	156	580,5	114,5	136,5	646,5	692,5	754	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

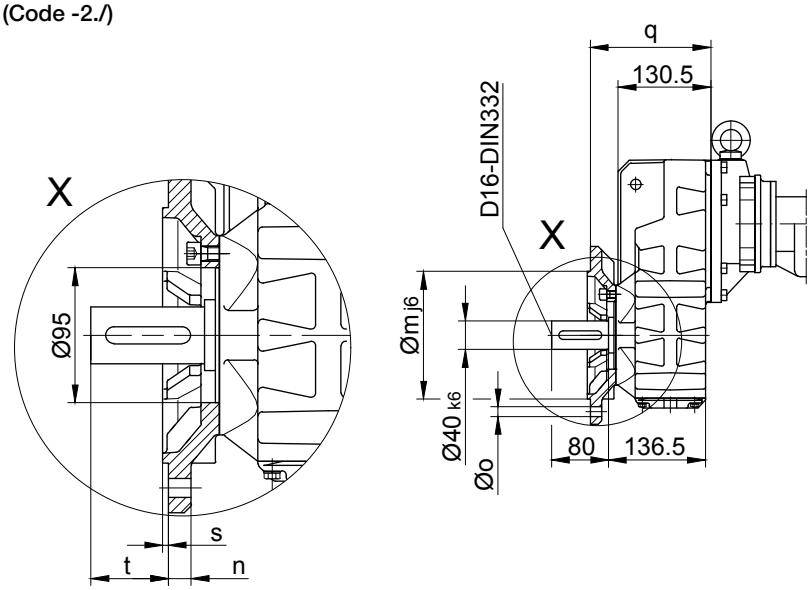
BF30G06

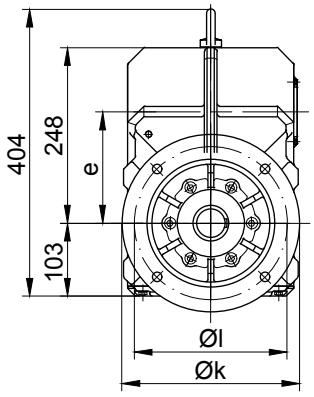
Flange with tapped holes
Code -7./





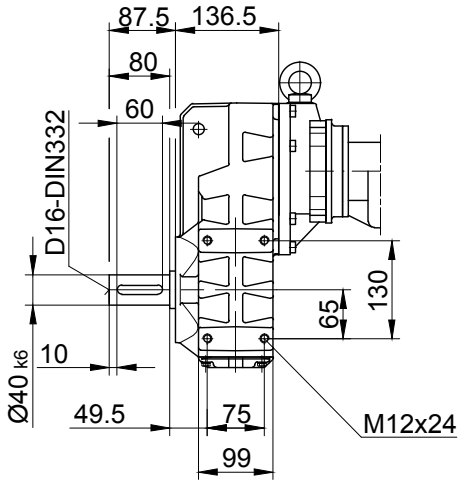
Flange with clearance holes
Code -3./
(Code -2./)

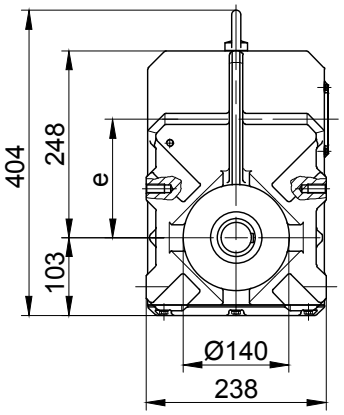




Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF30..	Code -3./	250	215	180	16	13,5	169,5	4	54,5
BF30..	Code -2./	200	165	130	12	11	160,5	3,5	63,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

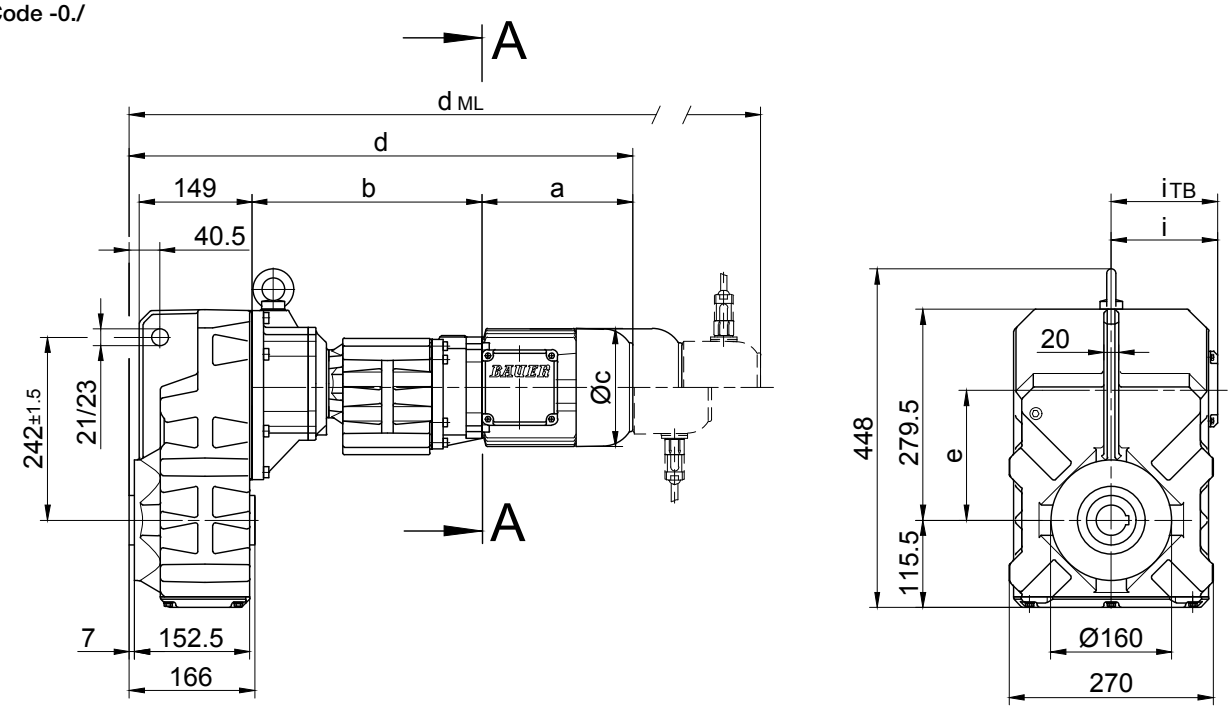
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

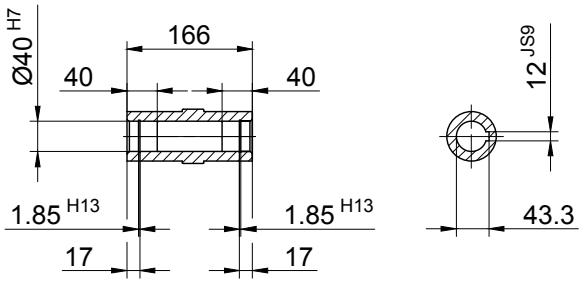
BF40G10

with torque arm

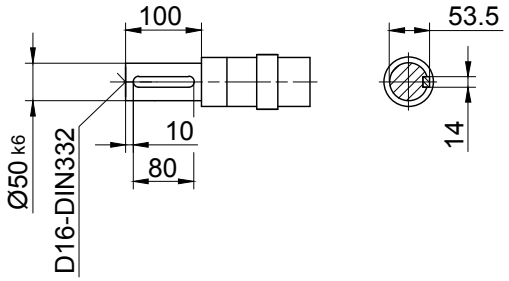
Code -0./



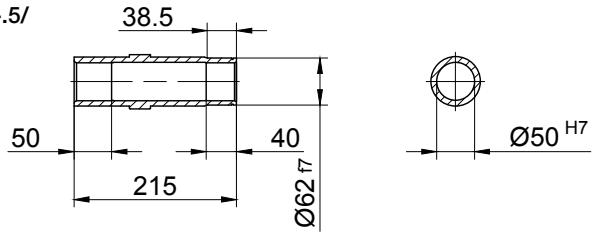
Code -.4/

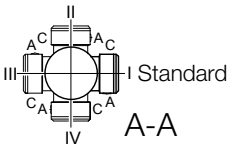


Code -.1/



Code -.5/



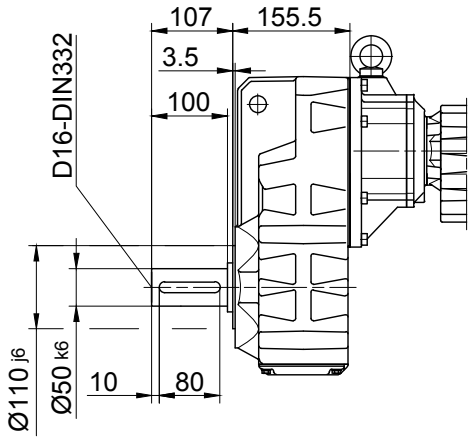


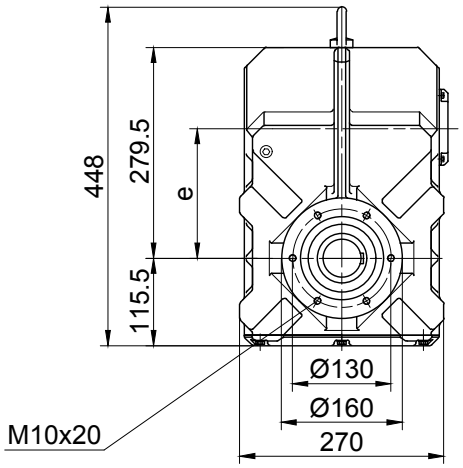
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF40G10-../S..06 (M, L)	170,5	300	123	633	99	119	675	735,5	773	-
BF40G10-../S..08 (M, L)	199,5	304	156	666	114,5	136,5	732	778	839,5	-
BF40G10-../S..09 (S, X)	250,5	318,5	176	731,5	124	157	824,5	839	928,5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

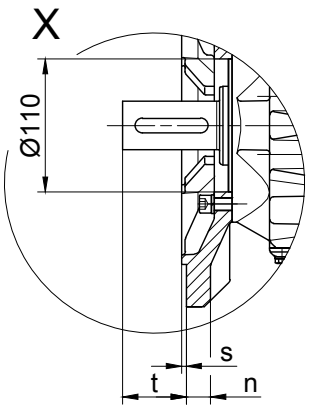
BF40G10

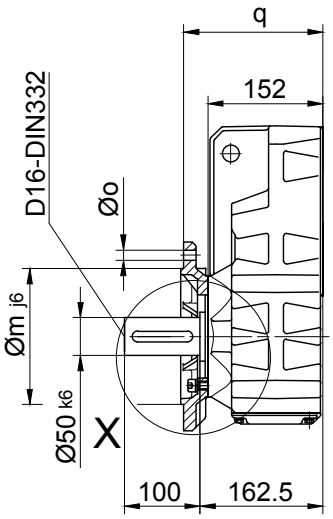
Flange with tapped holes
Code -7./

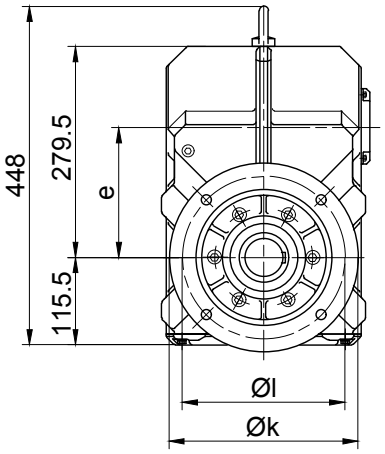




Flange with clearance holes
Code -3./
(Code -4./)

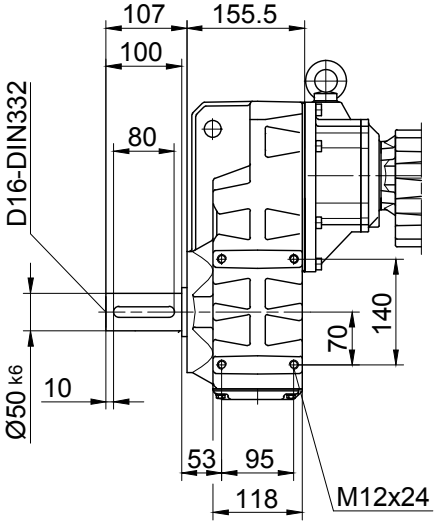


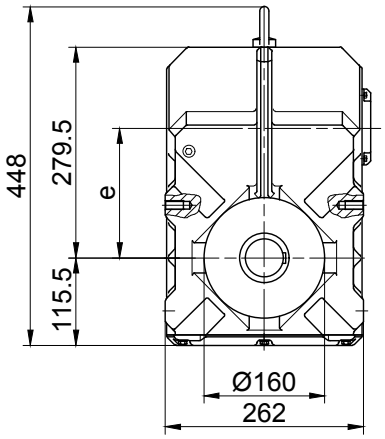




Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF40..	Code -3./	250	215	180	16	13,5	184	4	78,5
BF40..	Code -4./	300	265	230	20	13,5	190	4	72,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



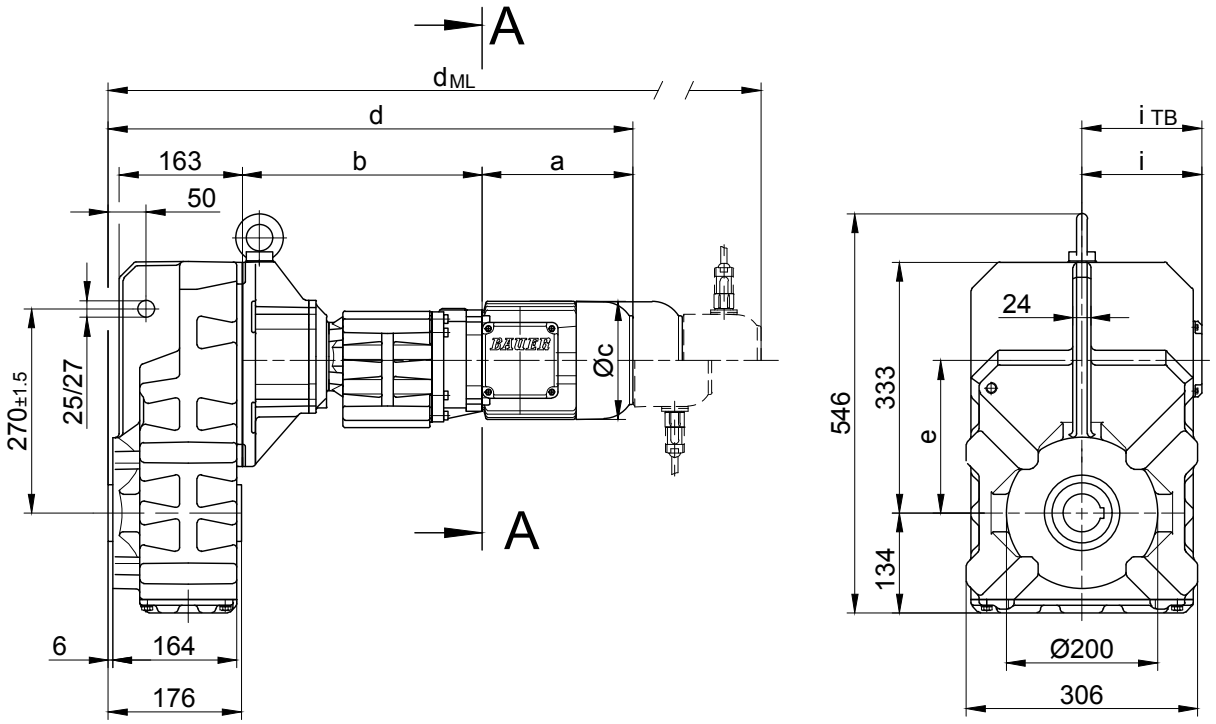


The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

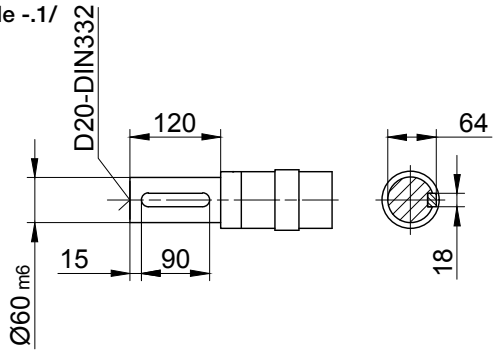
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

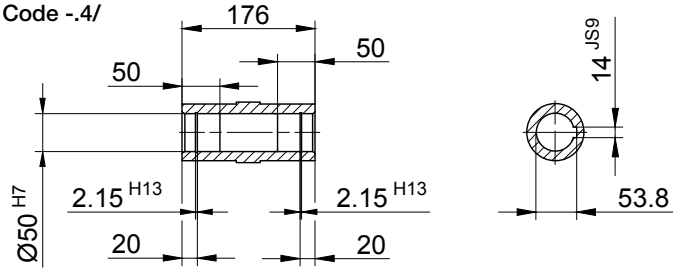
BF50G10
with torque arm
Code -0./



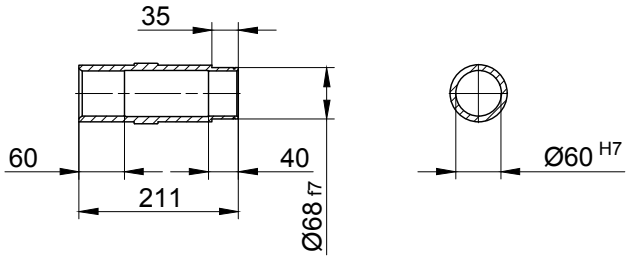
Code -.1/

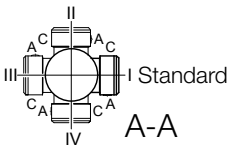


Code -.4/



Code -.5/



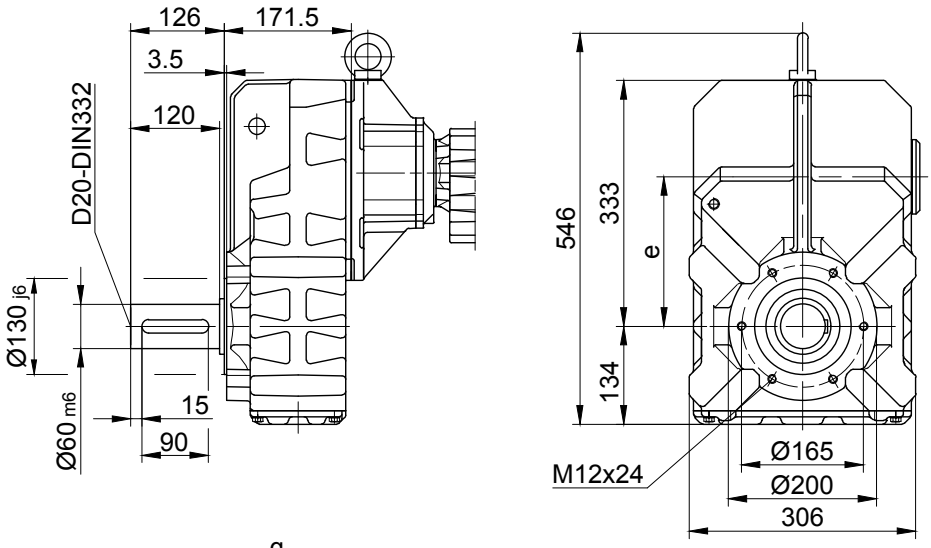


Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF50G10-../S..06 (M, L)	170,5	313	123	661	99	119	703	763,5	801	-
BF50G10-../S..08 (M, L)	199,5	317	156	694	114,5	136,5	760	806	867,5	-
BF50G10-../S..09 (S, X)	250,5	331,5	176	759,5	124	157	852,5	867	956,5	-
Dimensions in millimetres (mm)										

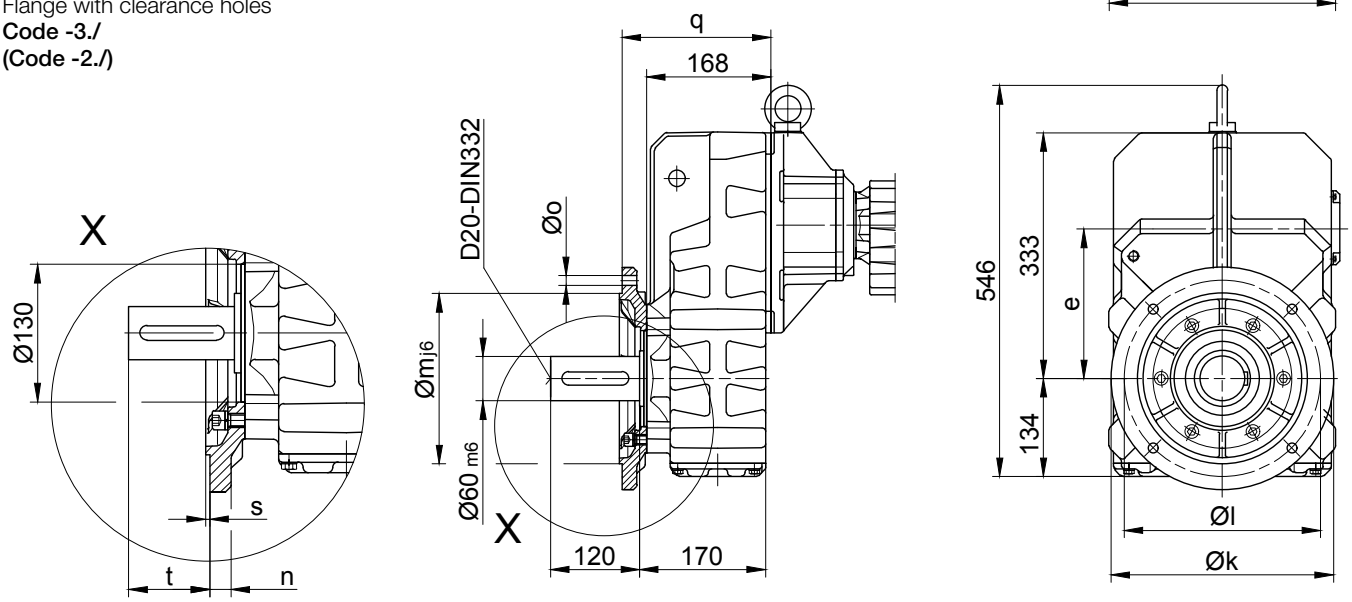
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF50G10

Flange with tapped holes
Code -7./

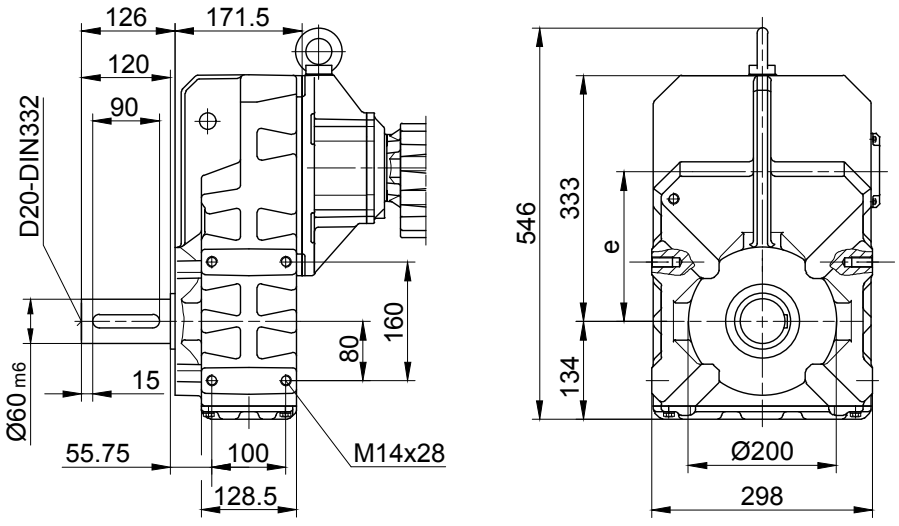


Flange with clearance holes
Code -3./
(Code -2./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF50..	Code -3./	300	265	230	20	13,5	201	4	96,5
BF50..	Code -2./	250	215	180	16	13,5	198	4	99,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/

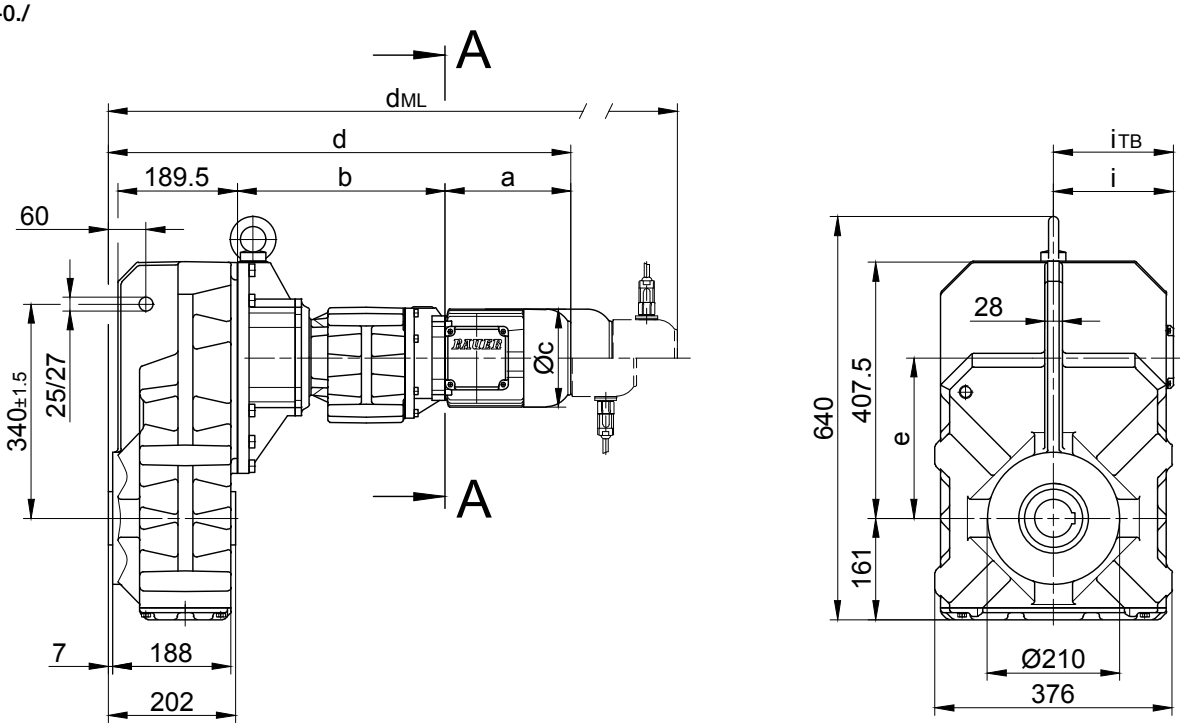


The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

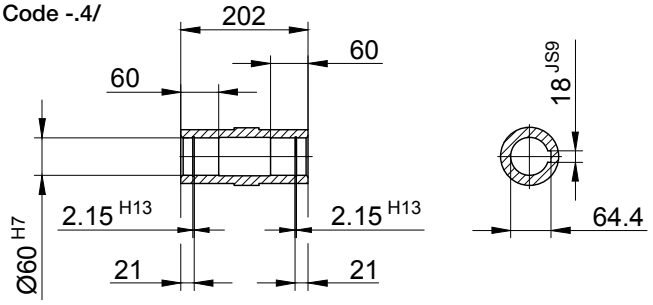
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

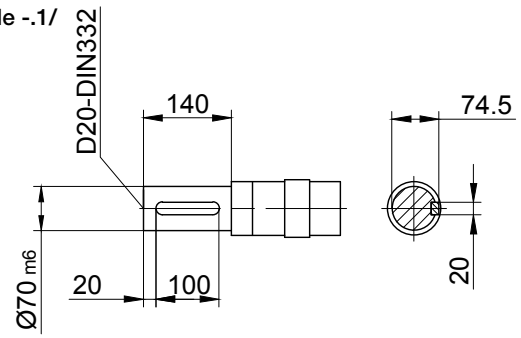
BF60G20
with torque arm
Code -0./



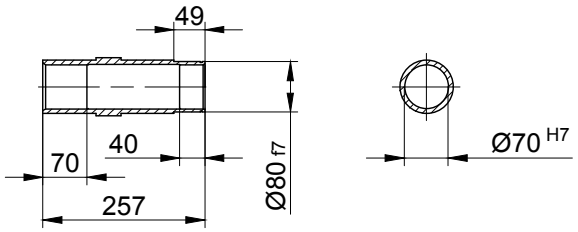
Code -.4/

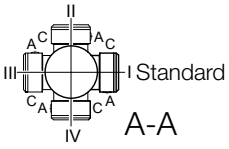


Code -.1/



Code -.5/



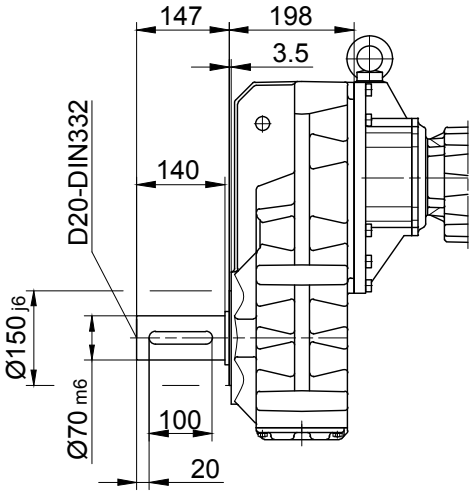


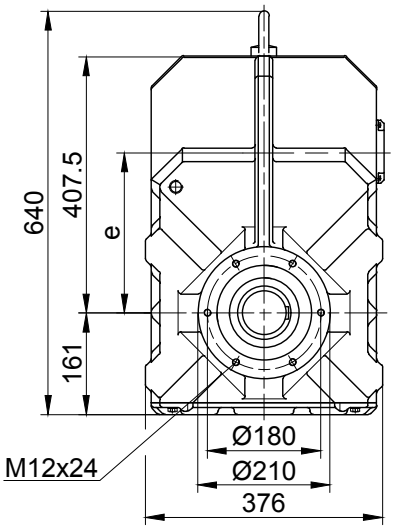
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF60G20-../S..06 (M, L)	170,5	326	123	701,5	99	119	743,5	804	841,5	-
BF60G20-../S..08 (M, L)	199,5	330	156	734,5	114,5	136,5	800,5	846,5	908	-
BF60G20-../S..09 (S, X)	250,5	344,5	176	800	124	157	893	907,5	997	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

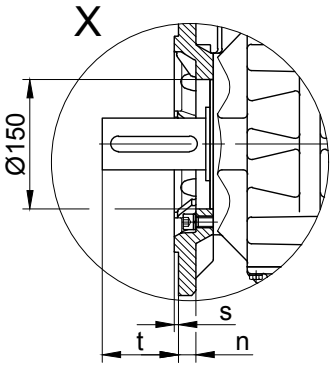
BF60G20

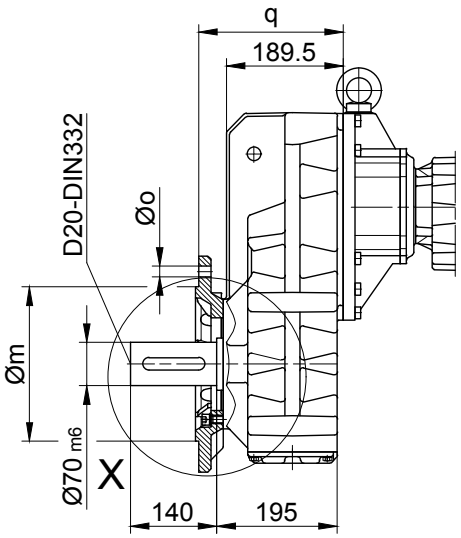
Flange with tapped holes
Code -7./

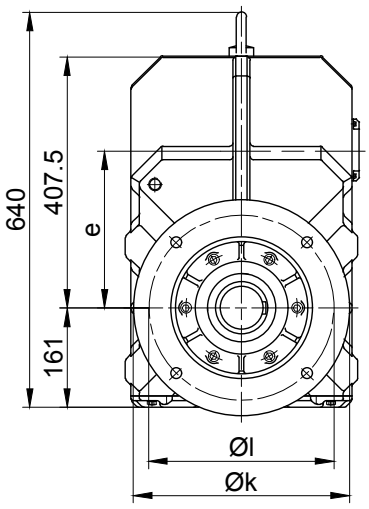




Flange with clearance holes
Code -3./
(Code -2./)

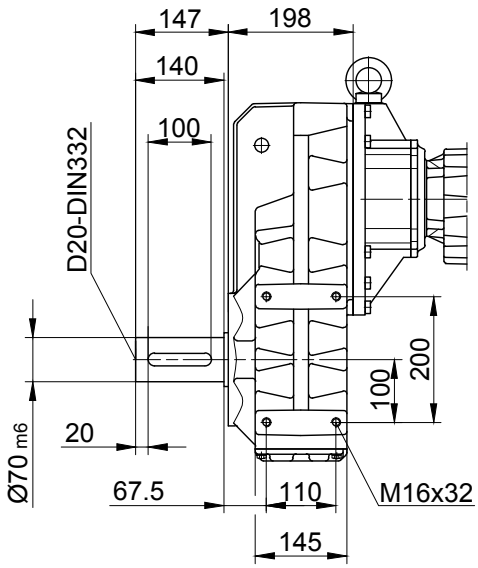


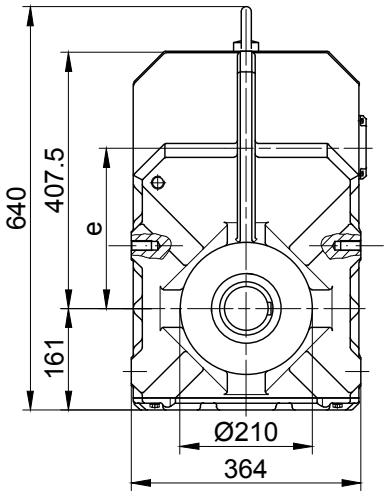




Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF60..	Code -3./	350	300	250	20	17,5	234,5	5	110,5
BF60..	Code -2./	300	265	230	20	13,5	242,5	4	102,5
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

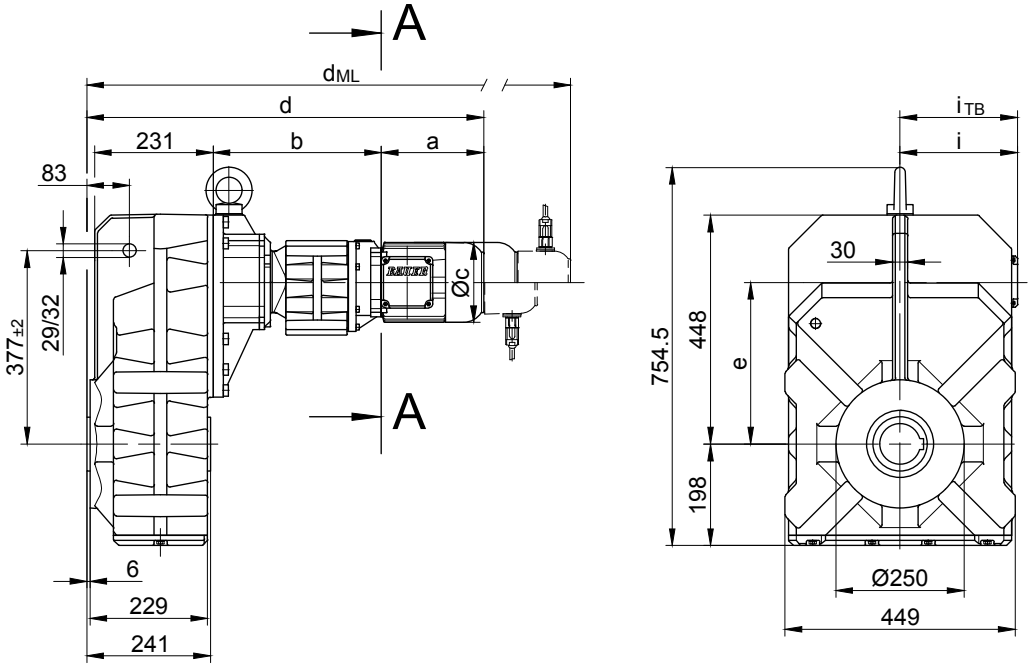
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

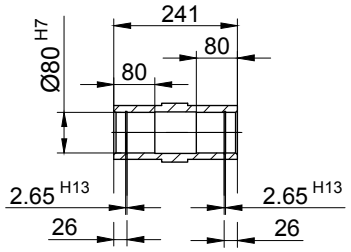
BF70G20

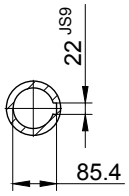
with torque arm

Code -0./

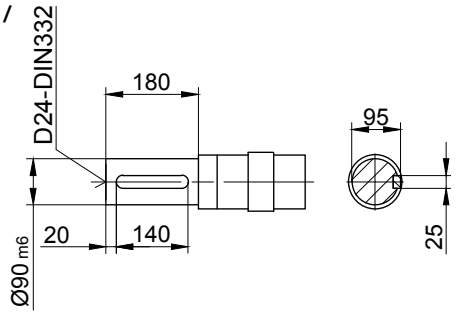


Code -.4/

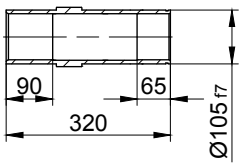


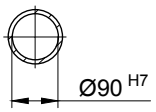


Code -.1/



Code -.5/





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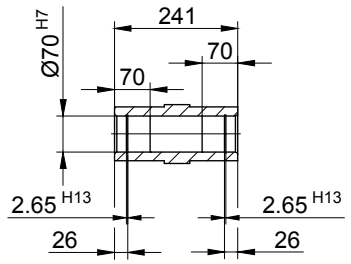
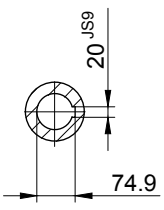
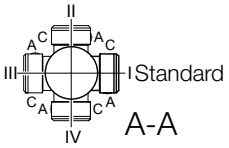




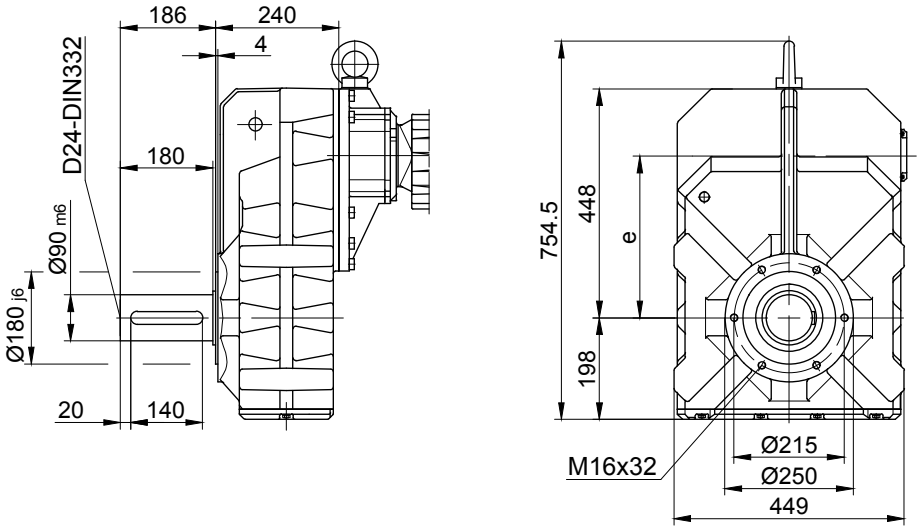


Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF70G20-../S..06 (M, L)	170,5	324	123	740,5	99	119	782,5	843	880,5	-
BF70G20-../S..08 (M, L)	199,5	328	156	773,5	114,5	136,5	839,5	885,5	947	-
BF70G20-../S..09 (S, X)	250,5	342,5	176	839	124	157	932	946,5	1036	-
Dimensions in millimetres (mm)										

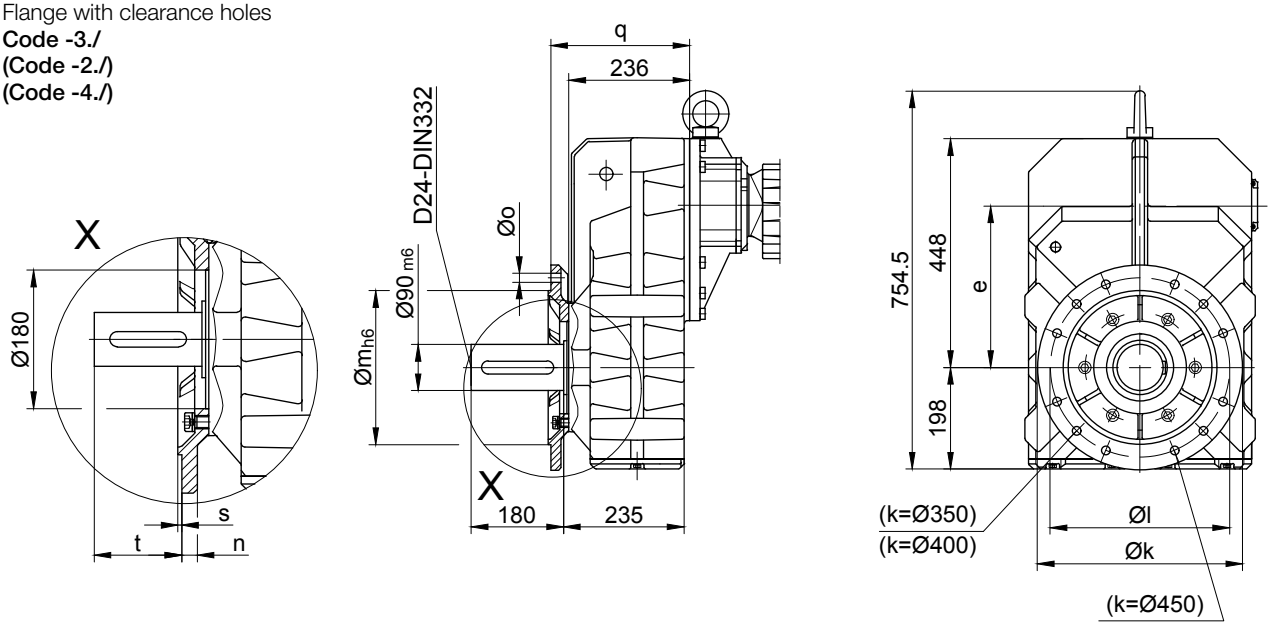
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF70G20

Flange with tapped holes
Code -7./

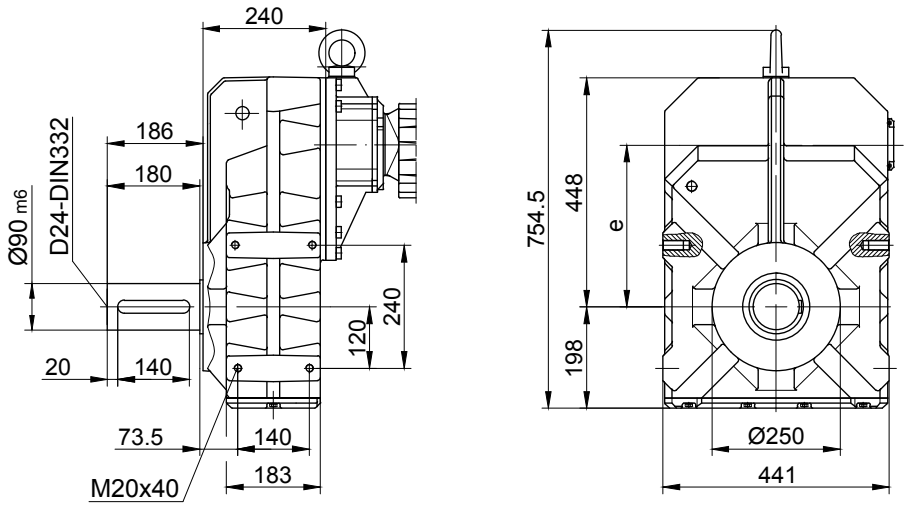


Flange with clearance holes
Code -3./
(Code -2./)
(Code -4./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF70..	Code -3./	400	350	300	20	4 x 17,5	271	5	155
BF70..	Code -2./	350	300	250	20	4 x 17,5	271	5	155
BF70..	Code -4./	450	400	350	22	8 x 17,5	281	5	145
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -6.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

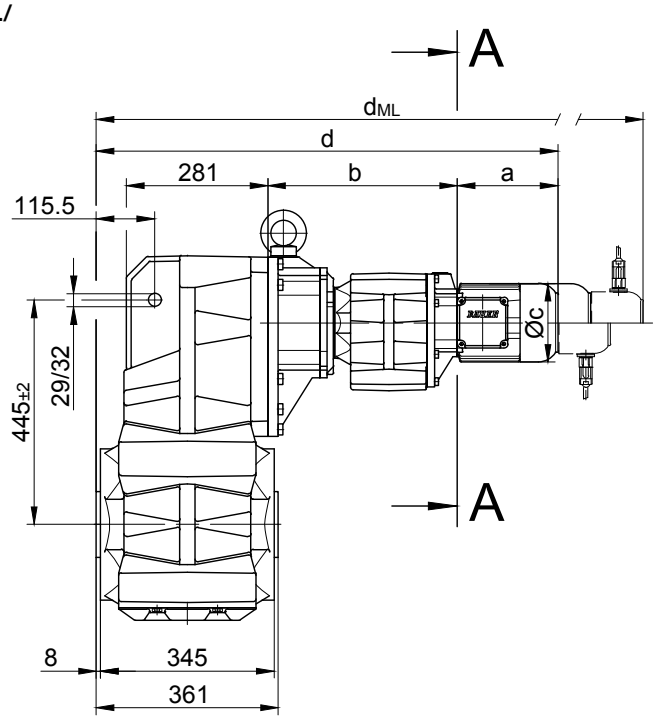
BF-series shaft-mounted geared motors

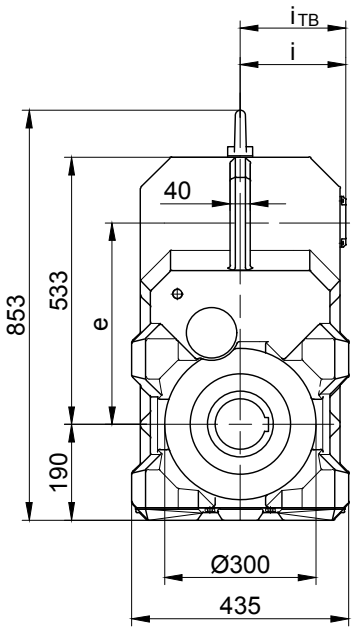
Dimension - Tandem Gearbox

BF80G40

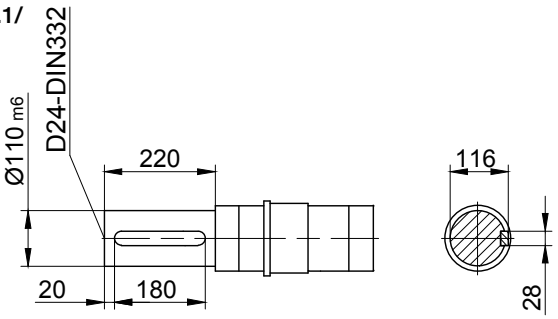
with torque arm

Code -0./

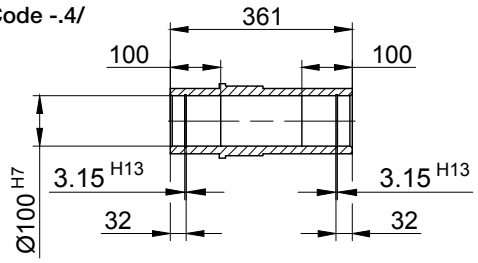


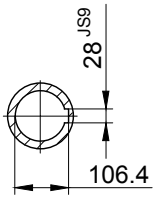


Code -.1/

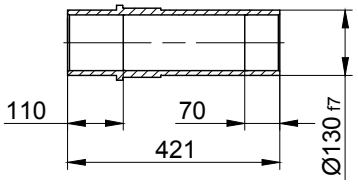


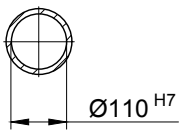
Code -.4/

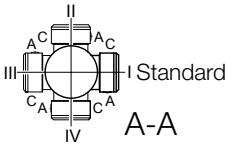




Code -.5/





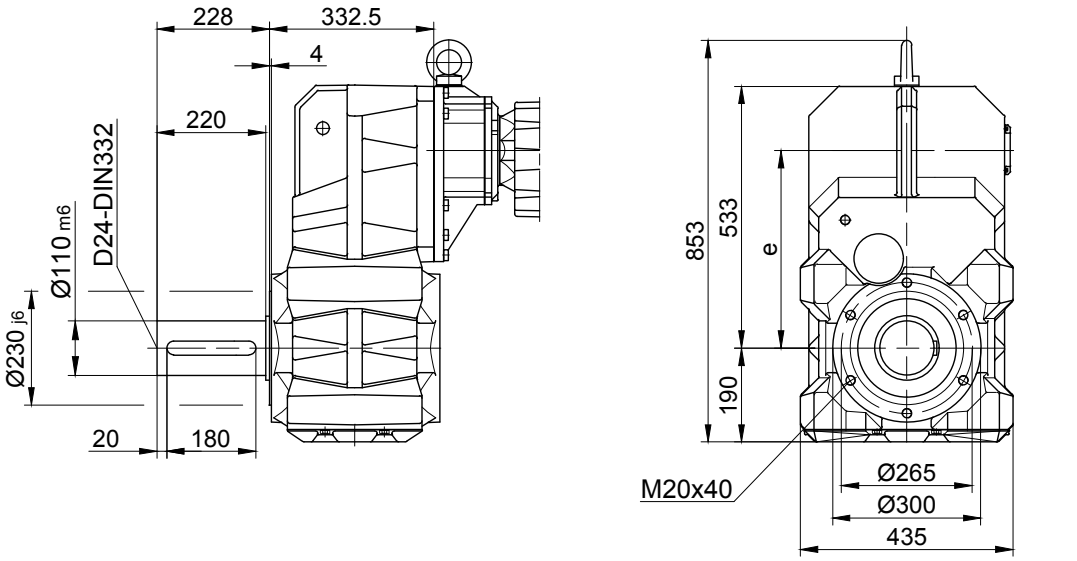


Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF80G40-../S..08 (M, L)	199,5	376	156	916	114,5	136,5	982	1028	1089,5	-
BF80G40-../S..09 (S, X)	250,5	390,5	176	981,5	124	157	1074,5	1089	1178,5	-
BF80G40-../S..11 (S, M, L)	319	397	218	1056,5	165	176	1154,5	1164	1256,5	-
Dimensions in millimetres (mm)										

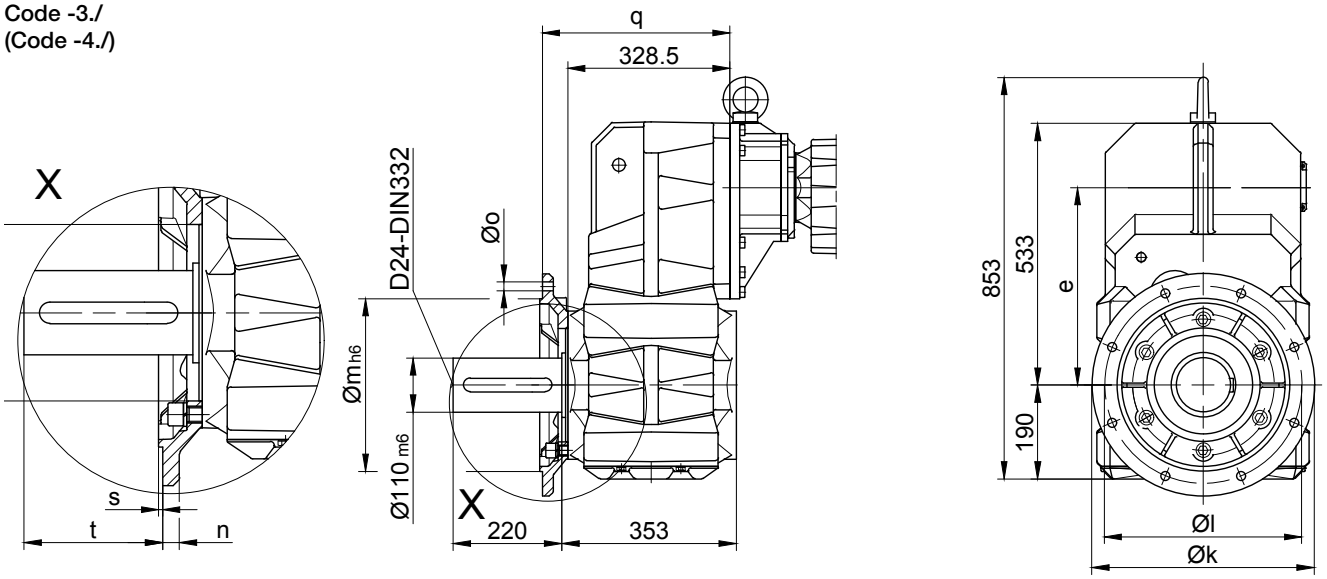
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF80G40

Flange with tapped holes
Code -7./

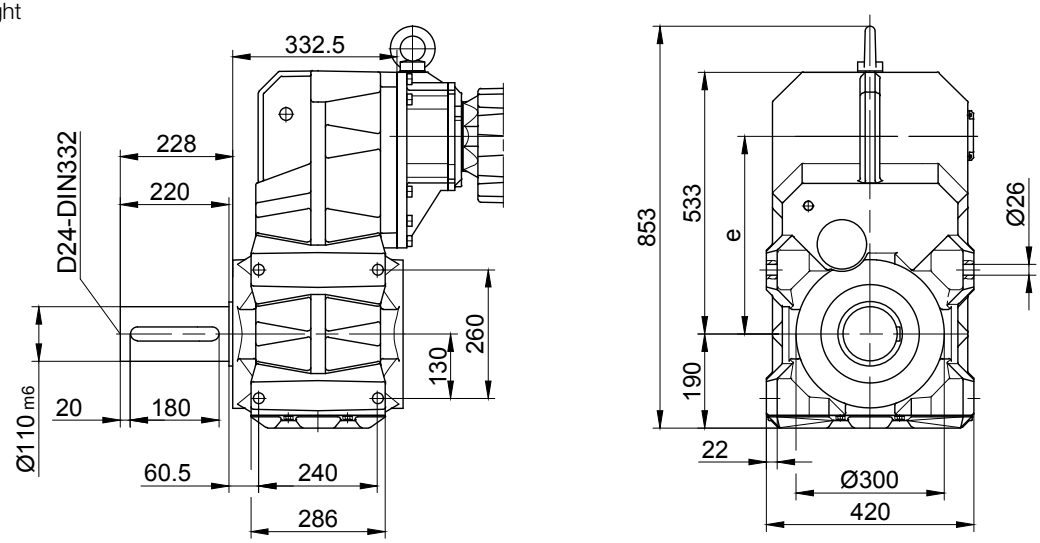


Flange with clearance holes
Code -3./
(Code -4./)



Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF80..	Code -3./	450	400	350	22	17,5	383,5	5	177
BF80..	Code -4./	550	500	450	22	17,5	388,5	5	172
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -1.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

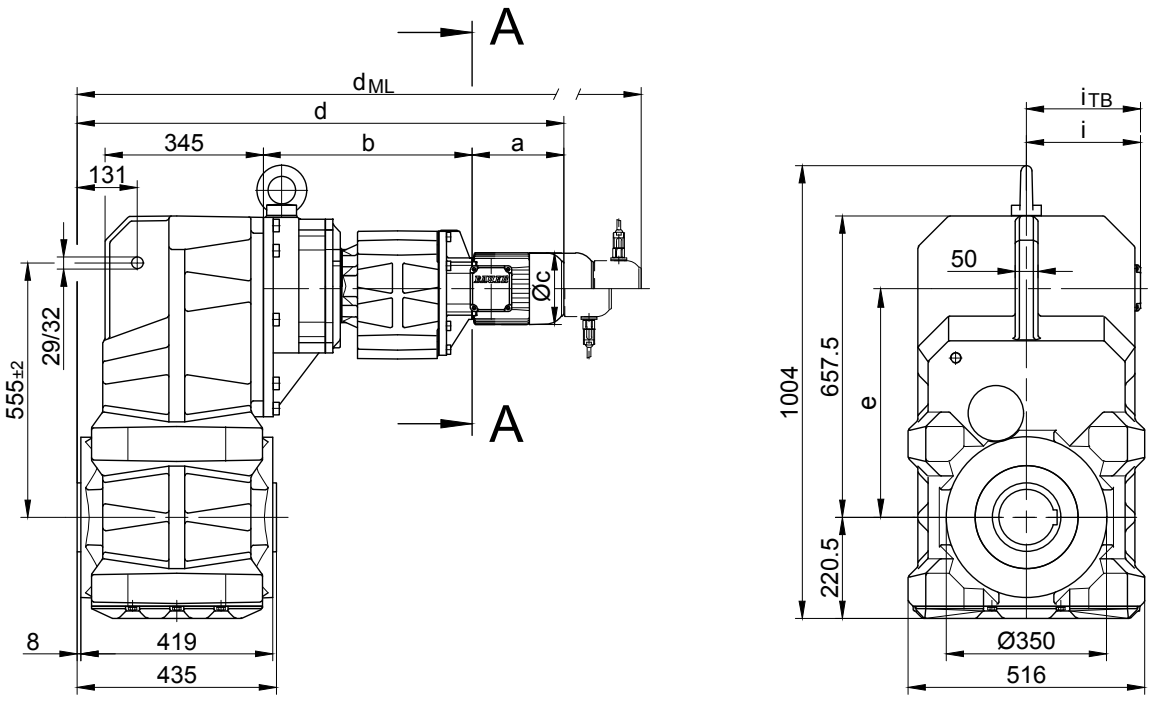
BF-series shaft-mounted geared motors

Dimension - Tandem Gearbox

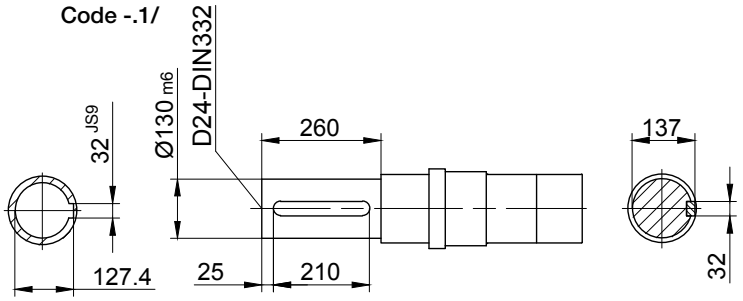
BF90G50

with torque arm

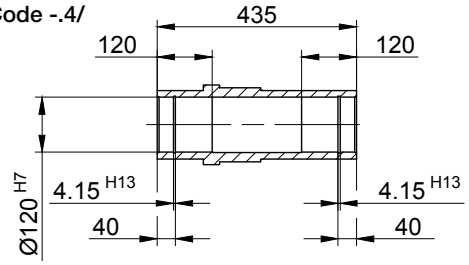
Code -0./



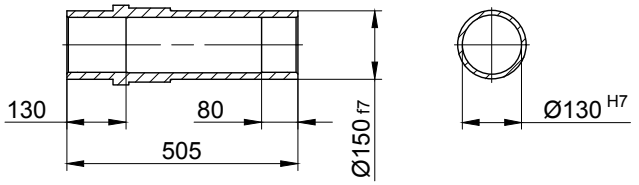
Code -.1/

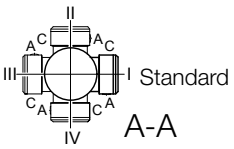


Code -.4/



Code -.5/



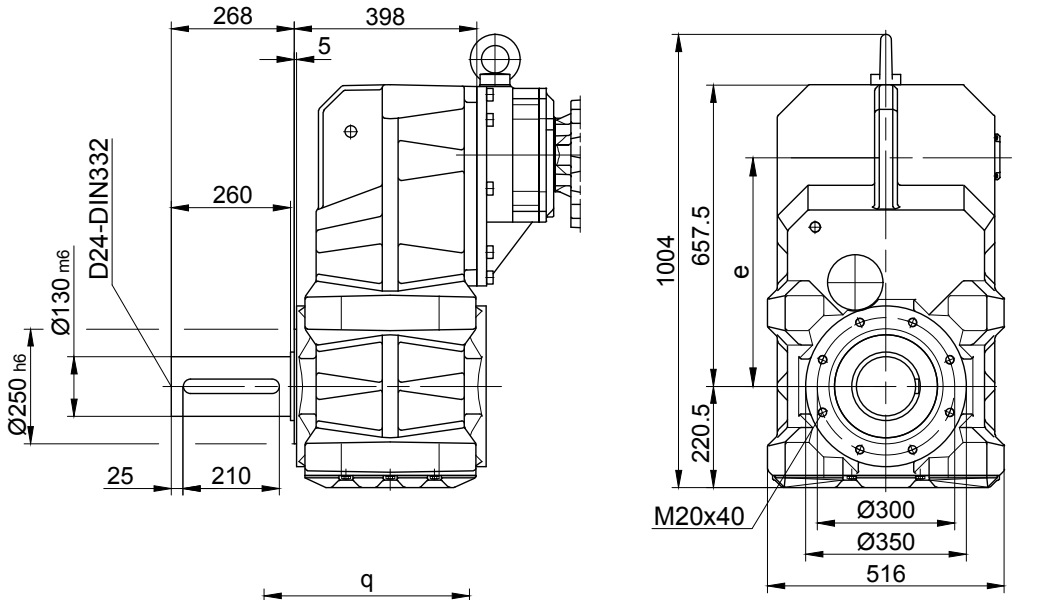


Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BF90G50-../S..08 (M, L)	199,5	456	156	1061,5	114,5	136,5	1127,5	1173,5	1235	-
BF90G50-../S..09 (S, X)	250,5	470,5	176	1127	124	157	1220	1234,5	1324	-
BF90G50-../S..11 (S, M, L)	319	477	218	1202	165	176	1300	1309,5	1402	-
Dimensions in millimetres (mm)										

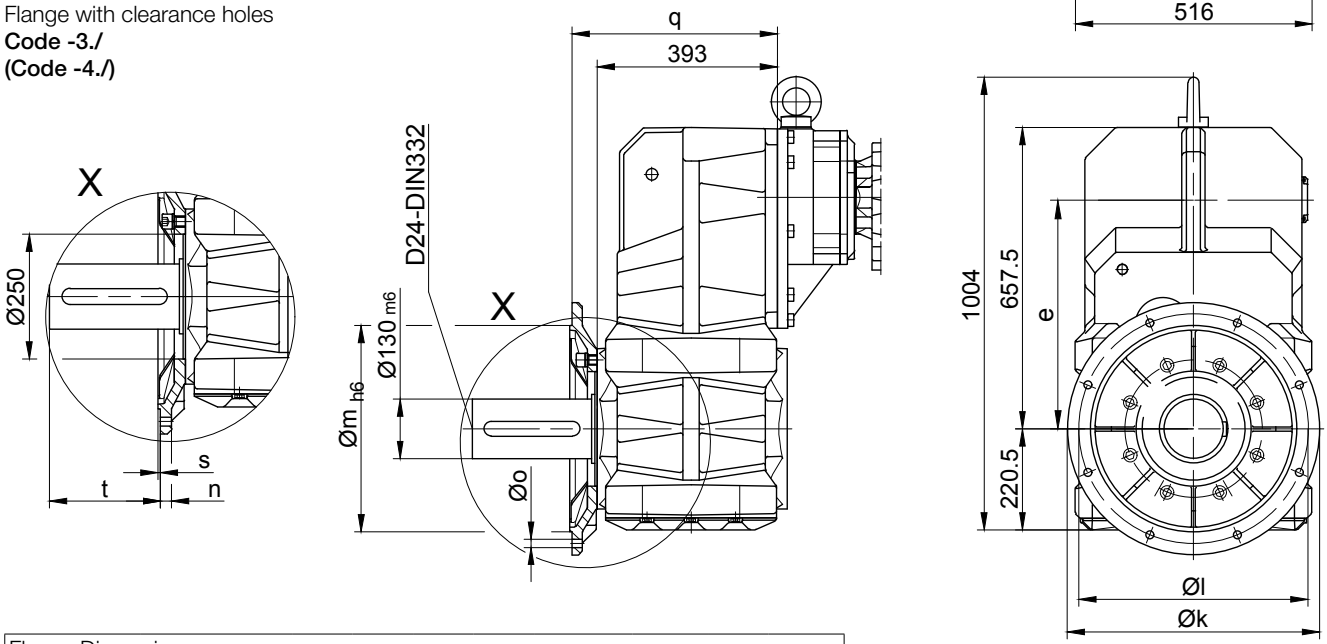
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF90G50

Flange with tapped holes
Code -7./

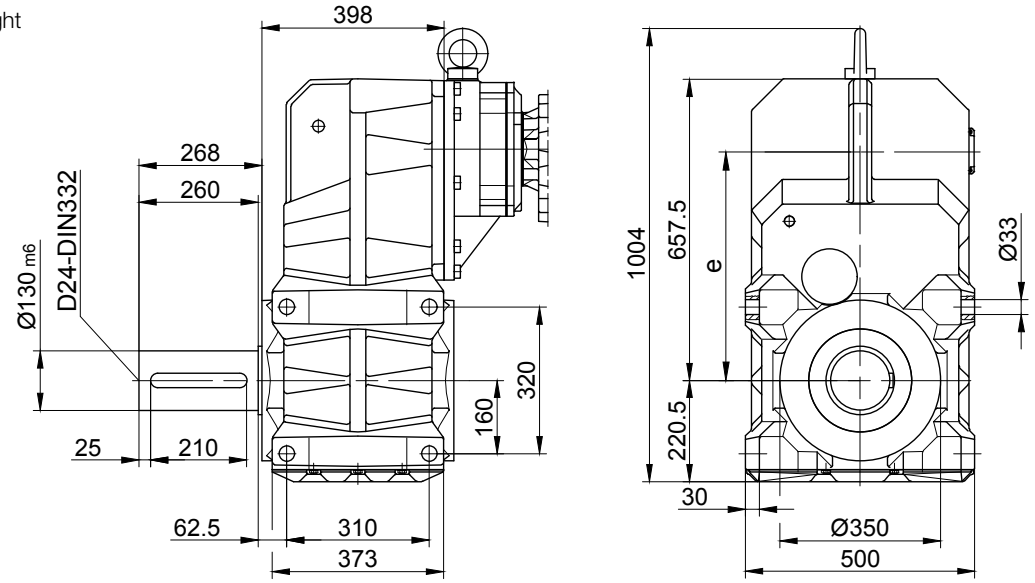


Flange with clearance holes
Code -3./
(Code -4./)



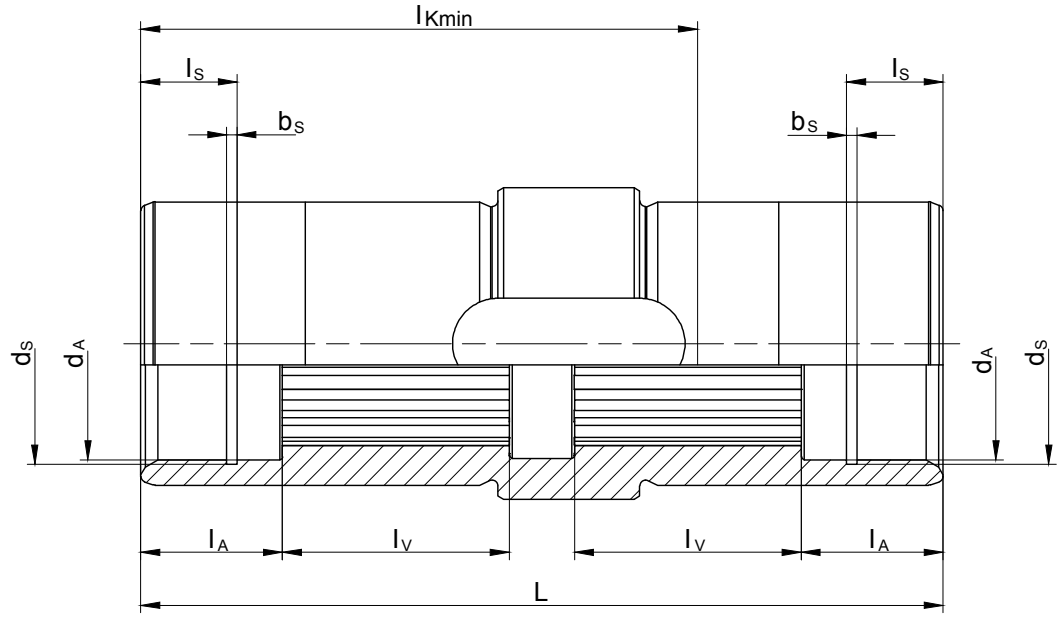
Flange Dimensions									
Type	Design	k	l	m	n	o	q	s	t
BF90..	Code -3./	550	500	450	22	17,5	448	5	218
BF90..	Code -4./	660	600	550	25	22	442	6	224
Dimensions in millimetres (mm)									

Foot with tapped holes left and right
Code -1.LR/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Splined shaft BF

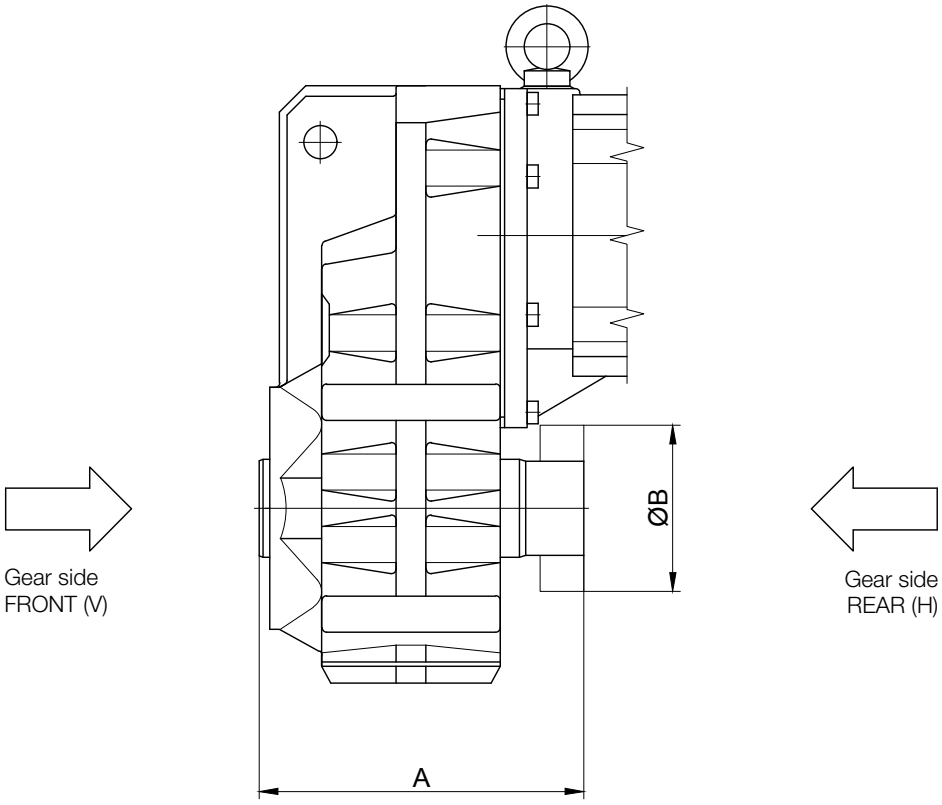


Type	Splined shaft acc. to DIN 5480	d_A	l_A	l_V	l_{Kmin}	L	d_S	l_S	b_S
BF06	N25x1.25x18x9H	30^{G7}	22	20	68	92	31.4^{H12}	15	1.3^{H13}
BF10	N30x1.25x22x9H	30.5^{G7}	22	33.5	87	124.5	31.4^{H12}	15	1.3^{H13}
BF20	N35x2x16x9H	36^{G7}	22	35	92	130	37^{H12}	9.5	1.6^{H13}
BF30	N40x2x18x9H	41^{G7}	25	40	103	141.5	42.5^{H12}	15	1.85^{H13}
BF40	N50x2x24x9H	51^{G7}	25	48	120	166	53^{H12}	9.5	2.15^{H13}
BF50	N60x2x28x9H	61^{G7}	25	55	123	176	63^{H12}	17	2.15^{H13}
BF60	N70x2x34x9H	72^{G7}	25	70	147	202	75^{H12}	17	2.65^{H13}
BF70	N85x3x27x9H	86^{G7}	26	85	185	241	88.5^{H12}	17	3.15^{H13}
BF80	N110x3x35x9H	112^{G7}	50	90	292	361	116^{H12}	30	4.15^{H13}
BF90	N130x5x24x9H	131.5^{G7}	60	110	365	435	134^{H12}	30	4.15^{H13}
Dimensions in millimetres (mm)									

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shrink disc coupling (SSV)

(Code BF10-.5/...)
(Code BF10Z-.5/...)

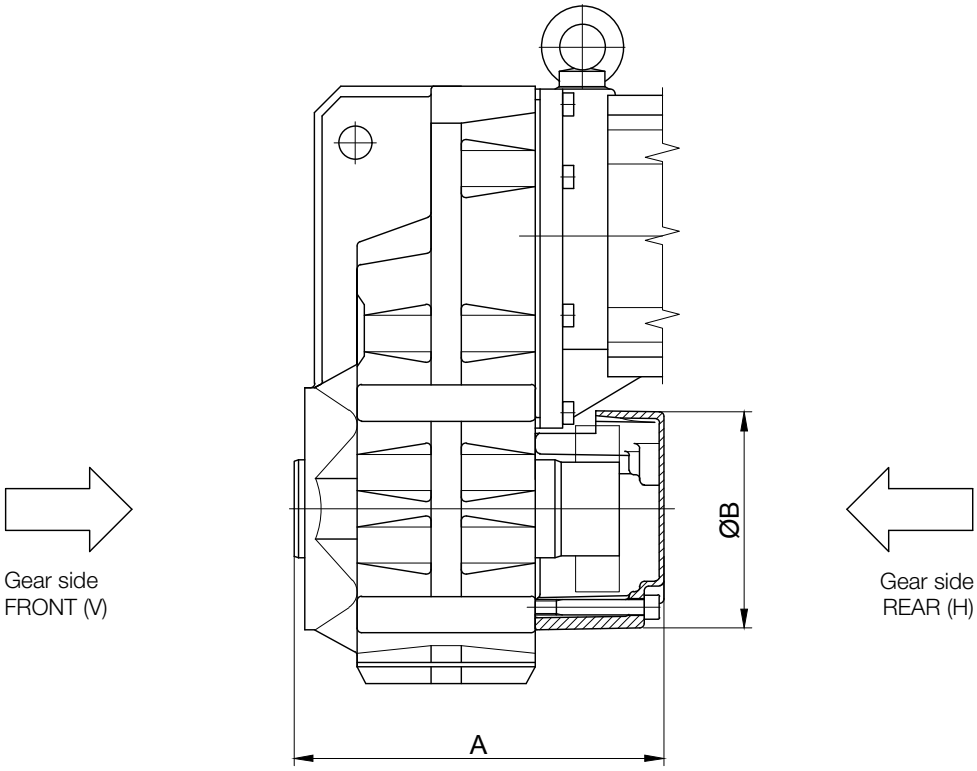


Type	SSV Ringfeder	SSV STÜWE	A	B
BF10	RfN 4161 036x072	HDS 36-22x36	153	72
BF20	RfN 4161 044x080	HDS 44-22x44	173	80
BF30	RfN 4161 050x090	HDS 50-22x50	192	90
BF40	RfN 4161 062x110	HDS 62-22x62	215	110
BF50	RfN 4161 068x115	HDS 68-22x68	211	115
BF60	RfN 4161 080x141	HDS 80-22x80	257	140
BF70	RfN 4161 105x185	HDS 110-22x105	320	185
BF80	RfN 4161 130x215	HDS 125-22x130	421	215
BF90	RfN 4161 150x263	HDS 155-22x150	505	263
Dimensions in millimetres (mm)				

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shrink disc coupling with (SSV) cover

(Code BF10-.5A/...)
(Code BF10Z-.5A/...)



Type	SSV Ringfeder	SSV STÜWE	A	B
BF10	RfN 4161 036x072	HDS 36-22x36	174	120
BF20	RfN 4161 044x080	HDS 44-22x44	211	140
BF30	RfN 4161 050x090	HDS 50-22x50	223	140
BF40	RfN 4161 062x110	HDS 62-22x62	245	160
BF50	RfN 4161 068x115	HDS 68-22x68	227	200
BF60	RfN 4161 080x141	HDS 80-22x80	290	210
BF70	RfN 4161 105x185	HDS 110-22x105	359	250
BF80	RfN 4161 130x215	HDS 125-22x130	463	300
BF90	RfN 4161 150x263	HDS 155-22x150	557	350
Dimensions in millimetres (mm)				

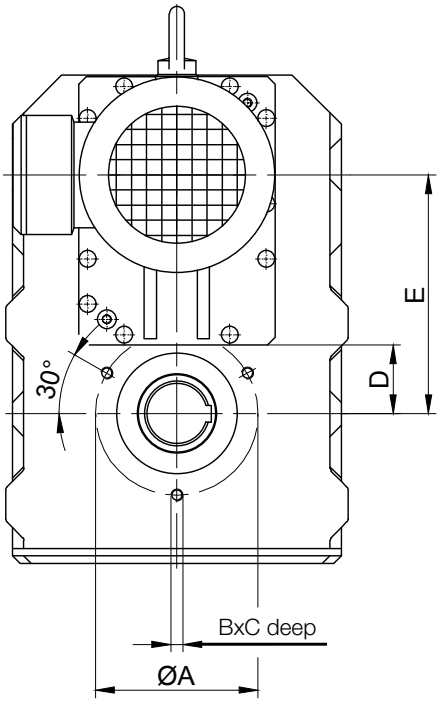
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF-series shaft-mounted geared motors

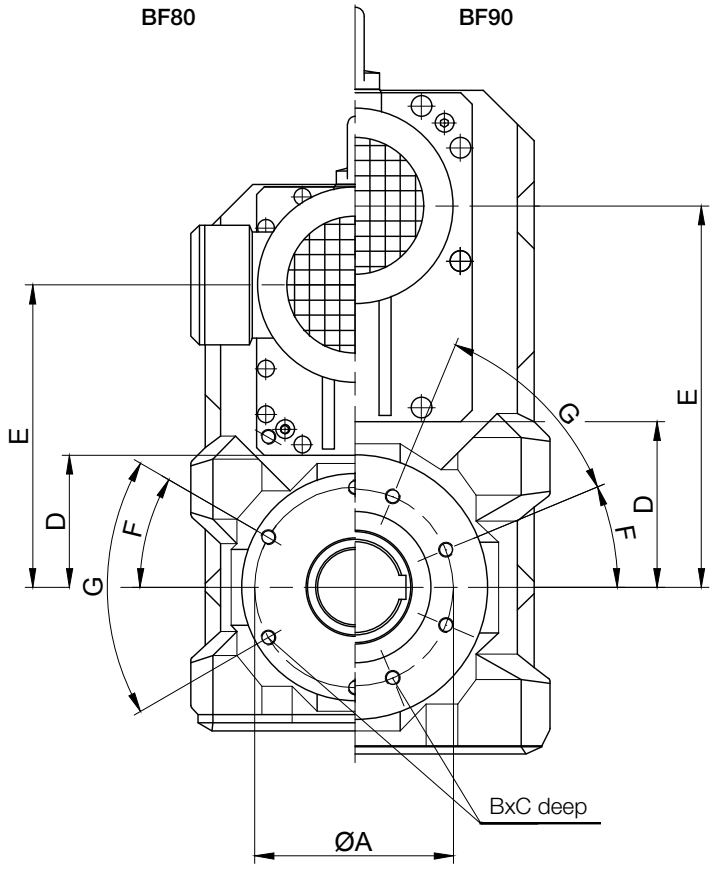
Additional Dimension Sheet

Tapped Holes Side (H) → Shaft Cover

BF10 to BF70



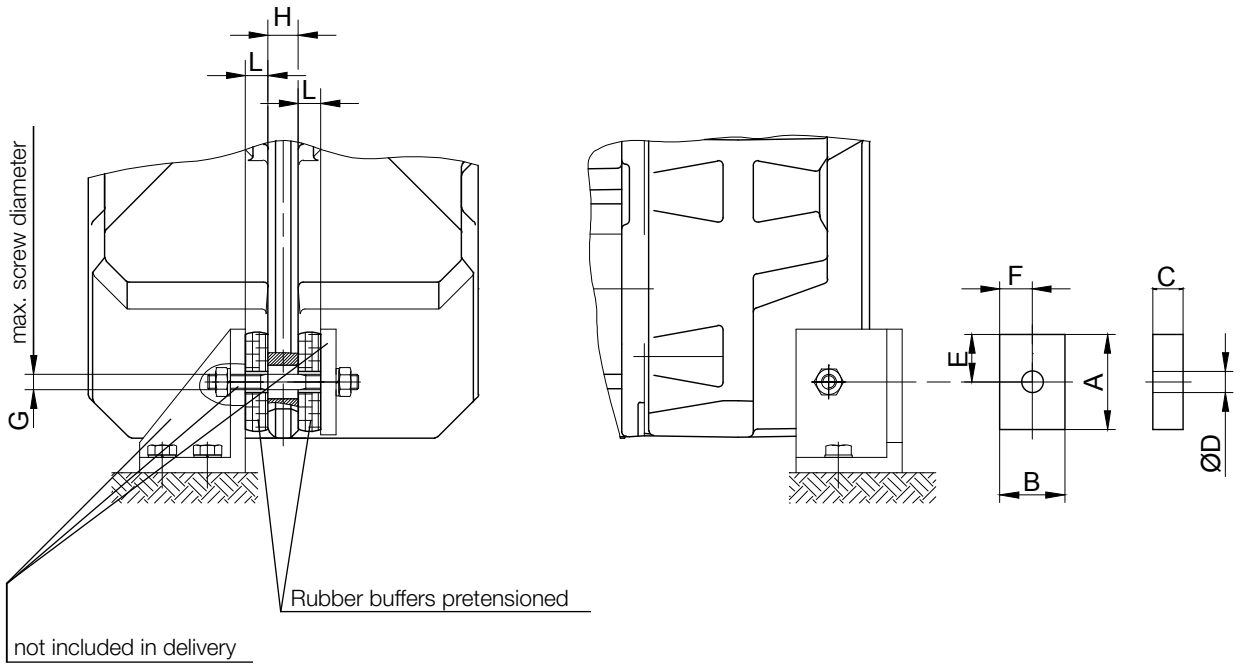
BF80 **BF90**



Gear	A	B	C	D	E	F	G
BF10	100	M8	16	35	118	-	-
BF20	115	M10	20	39	136	-	-
BF30	115	M10	20	44	157	-	-
BF40	130	M10	20	52	180.5	-	-
BF50	165	M12	24	60	207	-	-
BF60	180	M12	24	69	255.5	-	-
BF70	215	M16	32	89	316	-	-
BF80	265	M20	40	173	400	30°	6x60°
BF90	300	M20	40	219	504.5	22.5°	8x45°
Dimensions in millimetres (mm)							

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Rubber buffer for torque restraint



Material: Natural rubber Hardness 50 +/-5 Shore A
Dimensions of the transverse hole: See dimensioned sketch of the respective shaft mounted gearbox

Gear	Position	A	B	C	D	E	F	G	H	L
BF06	Position 0	30	30	12	12	15	15	M10	10	10
BF10	Position 1	48	32	15	14	24	16	M10	16	13.5
BF20	Position 1	48	32	15	14	24	16	M10	18	13
BF30	Position 2	63	43	20	14	31.5	21.5	M10	18	17
BF40	Position 2	63	43	20	14	31.5	21.5	M10	20	16.5
BF50	Position 3	88	60	25	22	44	30	M18	24	21.5
BF60	Position 3	88	60	25	22	44	30	M18	28	21
BF70	Position 4	123	88	30	26	61.5	44	M20	30	25.5
BF80	Position 5	133	103	35	26	66.5	51.5	M20	40	30
BF90	Position 5	133	103	35	26	66.5	51.5	M20	50	29.5
Dimensions in millimetres (mm)										

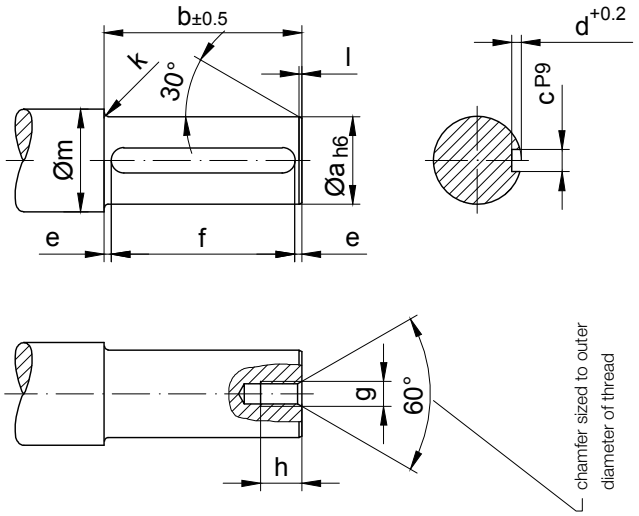
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BF-series shaft-mounted geared motors

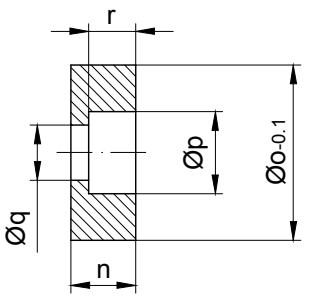
Additional Dimension Sheet

Assembly tools for hollow shaft and keyway

Position 1 Shaft

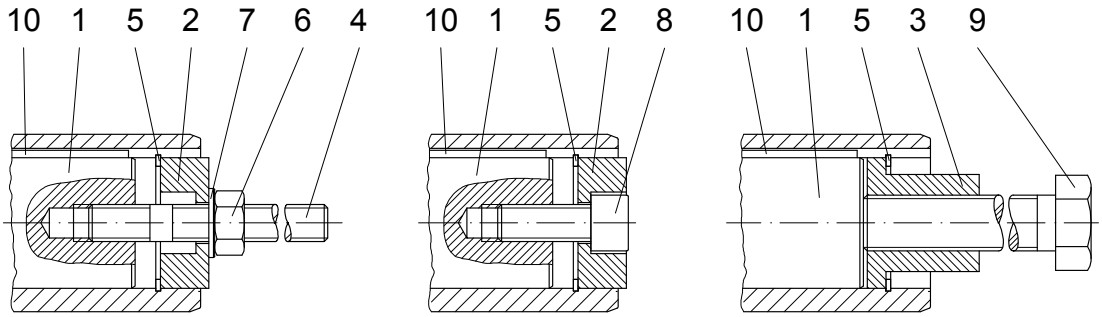


* Position 2 Disc



x, Edges cut
Material: C45 DIN EN 10083

Type	Dimensions (mm)															
	Postion 1 Shaft											Postion 2 Disc				
	a	b	c	d	e	f	g	h	k	l	m	n	o	p	q	r
BF06	25	70	8	4	3.5	$63^{+0.5}$	M8	18	2	1.5	33	13.5	24.8	15	9	8.5
BF10	25	102	8	4	6	$90^{+0.5}$	M8	18	2.5	1.5	33	13.5	24.8	15	9	8.5
BF20	30	108	8	4	9	$90^{+0.5}$	M10	20	3	1.5	38	15	29.8	18	11	10
BF30	35	118	10	5	9	$100^{+0.5}$	M10	20	3	1.5	43	16	34.8	18	11	10
BF40	40	141	12	5	8	$125^{+0.5}$	M12	22	3	2	48	18	39.8	20	13.5	12
BF50	50	148	14	5.5	11.5	$125^{+0.5}$	M16	30	3.5	2	58	21	49.8	26	17.5	15
BF60	60	173	18	7	6.5	$160^{+0.5}$	M20	38	3.5	2	68	24	59.8	33	22	18
BF70	80	205	22	9	12.5	$180^{+0.5}$	M20	38	4	2	90	27	79.8	33	22	20
BF70-K70	70	205	20	7.5	12.5	$180^{+0.5}$	M20	38	4	2	90	27	69.8	33	22	20
BF80	100	317	28	10	18.5	$280^{+0.5}$	M24	45	4	3	110	32	99.8	40	26	25
BF90	120	383	32	11	11.5	$360^{+0.5}$	M24	45	4.5	3	130	35	119.8	40	26	28



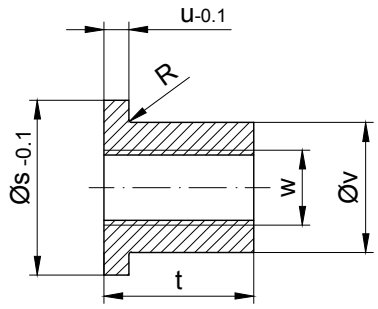
Installation Holding Dismantlement

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

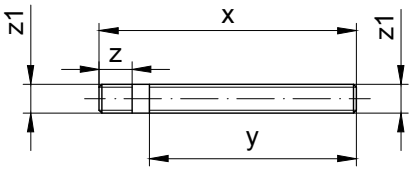
Assembly tools for hollow shaft and keyway

Position 3 Sleeve



x, Edges cut
Material: C45 DIN EN 10083

* Position 4 Stud bolt



Material: Steel, tensile strengh
≥ 1000N/mm²
Threads rolled

Type	Dimensions (mm)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Tightening torques (Nm)	Hexagon bolt DIN EN 24017-8.8	Key DIN 6885 Width/Height/Length
	Position 3 Sleeve						Position 4 Stud bolt										
	s	t	u	v	w	R	x	y	z	z1	Pos.5	Pos.6	Pos.7	Pos.8		Pos.9	Pos.10
BF06	24.8	24	5	15.4	M12	0.8	160	130	20	M8	25x1.2	M8	8.4	M8x30	5	M12x110	A 8x7x63
BF10	24.8	24	5	15.4	M12	0.8	160	130	20	M8	25x1.2	M8	8.4	M8x30		M12x140	A 8x7x90
BF20	29.8	28	5	19.8	M14	0.8	170	135	23	M10	30x1.2	M10	10.5	M10x30	8	M14x150	A 8x7x90
BF30	34.8	28	5	23	M14	-	180	145	23	M10	35x1.5	M10	10.5	M10x35		M14x160	A 10x8x100
BF40	39.8	40	6	27.7	M20	0.8	210	170	28	M12	40x1.75	M12	13	M12x35	16	M20x200	A 12x8x125
BF50	49.8	48	6	36	M24	-	230	175	37	M16	50x2.0	M16	17	M16x40	30	M24x210	A 14x9x125
BF60	59.8	60	6	44	M30	-	270	205	45	M20	60x2.0	M20	21	M20x50	42	M30x250	A 18x11x160
BF70	79.8	60	8	55	M30	-	310	240	45	M20	80x2.5	M20	21	M20x50		M30x280	A 22x14x180
BF70-K70	69.8	60	8	53	M30	-	310	240	45	M20	70x2.5	M20	21	M20x50		M30x280	A 20x12x180
BF80	99.8	72	10	75	M36	-	440	360	55	M24	100x3.0	M24	25	M24x60	100	M36x410	A 28x16x280
BF90	119.8	72	10	80	M36	-	510	430	55	M24	120x4.0	M24	25	M24x60		M36x480	A 32x18x360

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

Optional

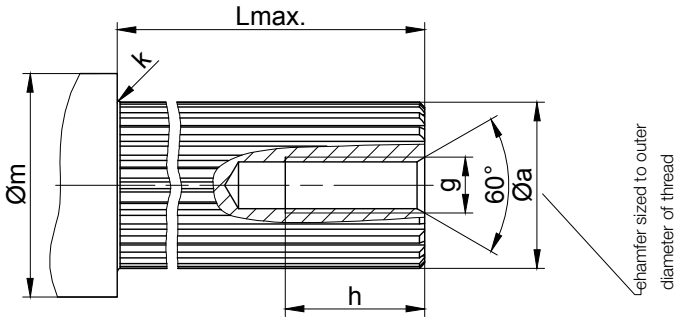
Type	Ø s	Order text
BF06	25	Id.Nr. 4103921 Assembly tool „holding“
BF10	25	Id.Nr. 4103921 Assembly tool „holding“
BF20	30	Id.Nr. 4103939 Assembly tool „holding“
BF30	35	Id.Nr. 4103947 Assembly tool „holding“
BF40	40	Id.Nr. 4103955 Assembly tool „holding“
BF50	50	Id.Nr. 4103963 Assembly tool „holding“
BF60	60	Id.Nr. 4103971 Assembly tool „holding“
BF70	80	Id.Nr. 4103980 Assembly tool „holding“
BF70-K70	70	Id.Nr. 4104765 Assembly tool „holding“
BF80	100	Id.Nr. 4103998 Assembly tool „holding“
BF90	120	Id.Nr. 4104005 Assembly tool „holding“

BF-series shaft-mounted geared motors

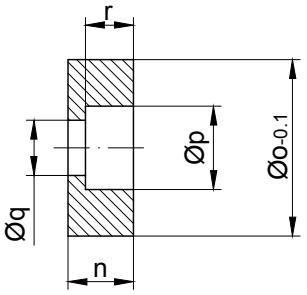
Additional Dimension Sheet

Assembly tools for shaft mounted gears with splined shaft

Position 1 Shaft

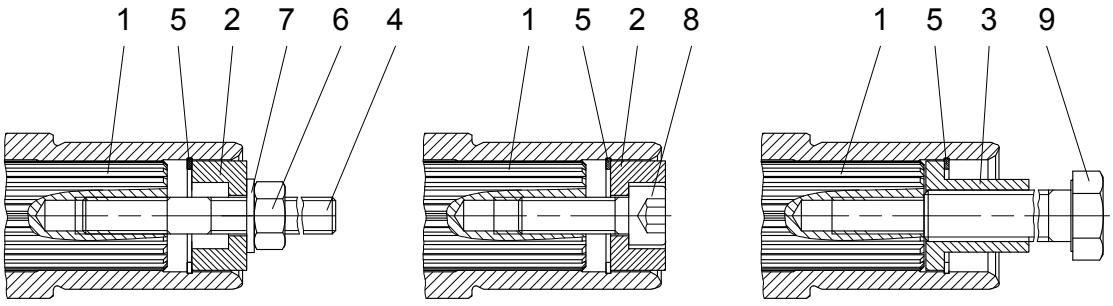


* Position 2 Disc



x, Edges cut
Material: C45 DIN EN 10083

Type	Dimensions (mm)										
	Postion 1 Shaft						Postion 2 Disc				
	a	g	h	g	Lmax.	m	n	o	p	q	r
BF06	DIN 5480-W25x1.25x18x8f	M8	20	2	70	37	13	29.9	15	9	8
BF10	DIN 5480-W30x1.25x22x8f	M10	25	2.5	100	38	15	30.4	18	11	10
BF20	DIN 5480-W35x2x16x8f	M10	25	3	110	43	14	35.9	18	11	10
BF30	DIN 5480-W40x2x18x8f	M12	30	3	117	48	18	40.9	20	13.5	12
BF40	DIN 5480-W50x2x24x8f	M16	35	3	145	60	17.5	50.9	26	17.5	12.5
BF50	DIN 5480-W60x2x28x8f	M20	40	3.5	150	69	24	60.9	33	22	18
BF60	DIN 5480-W70x2x34x8f	M20	40	3.5	175	80	24	71.9	33	22	18
BF70	DIN 5480-W85x3x27x8f	M20	40	4	215	96	22	85.9	33	22	16
BF80	DIN 5480-W110x3x35x8f	M24	50	4	315	122	32	111.9	40	26	25
BF90	DIN 5480-W130x5x24x8f	M24	50	4.5	390	141	25	131.4	40	26	18



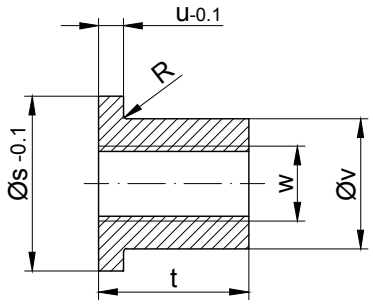
Installation Holding Dismantlement

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

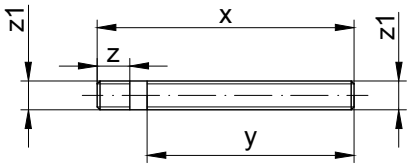
Assembly tools for shaft mounted gears with splined shaft

Position 3 Sleeve



x, Edges cut
Material: C45 DIN EN 10083

* Position 4 Stud bolt



Material: Steel, tensile strengh
≥ 1000N/mm²
Threads rolled

Type	Dimensions (mm)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Starting torque (Nm)	Hexagon bolt DIN EN 24017-8.8
	Position 3 Sleeve						Position 4 Stud bolt									
	s	t	u	v	w	R	x	y	z	z1	Pos.5	Pos.6	Pos.7	Pos.8		Pos.9
BF06	29.9	24	5	15.4	M12	0.8	160	130	20	M8	30x1.2	M8	8.4	M8x30	5	M12x110
BF10	30.4	28	5	19.8	M14	-	170	135	23	M10	30x1.2	M10	10.5	M10x30	8	M14x150
BF20	35.9	28	5	23	M14	-	180	145	23	M10	35x1.5	M10	10.5	M10x35		M14x160
BF30	40.9	40	6	27.7	M20	-	210	170	28	M12	40x1.75	M12	13	M12x35	16	M20x200
BF40	50.9	48	6	36	M24	0.8	230	175	37	M16	50x2.0	M16	17	M16x40	30	M24x210
BF50	60.9	60	6	44	M30	-	270	205	45	M20	60x2.0	M20	21	M20x50	42	M30x250
BF60	71.9	60	6	53	M30	0.8	310	240	45	M20	72x2.5	M20	21	M20x50		M20x280
BF70	85.9	60	8	65	M30	0.8	310	240	45	M20	85x3	M20	21	M20x50		M30x280
BF80	111.9	72	10	85	M36	0.8	440	360	55	M24	112x4	M24	25	M24x60	100	M36x410
BF90	131.4	72	10	95	M36	0.8	510	430	55	M24	130x4	M24	25	M24x60		M36x480

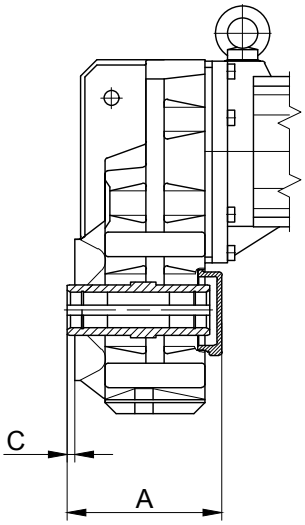
The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

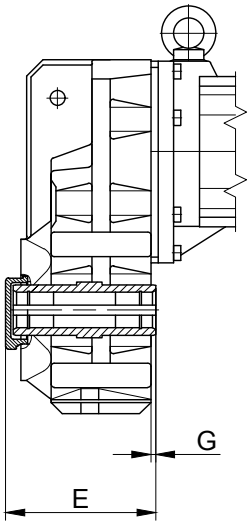
Optional

Type	Ø s	Order text
BF06	30	Id.Nr. 4105125 Assembly tool „holding“
BF10	30.5	Id.Nr. 4105133 Assembly tool „holding“
BF20	36	Id.Nr. 4105141 Assembly tool „holding“
BF30	41	Id.Nr. 4105150 Assembly tool „holding“
BF40	51	Id.Nr. 4105168 Assembly tool „holding“
BF50	61	Id.Nr. 4105176 Assembly tool „holding“
BF60	72	Id.Nr. 4105184 Assembly tool „holding“
BF70	86	Id.Nr. 4105192 Assembly tool „holding“
BF80	112	Id.Nr. 4105206 Assembly tool „holding“
BF90	131.5	Id.Nr. 4105214 Assembly tool „holding“

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

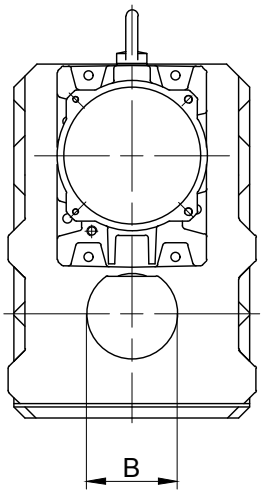
Shaft Cap (VK)

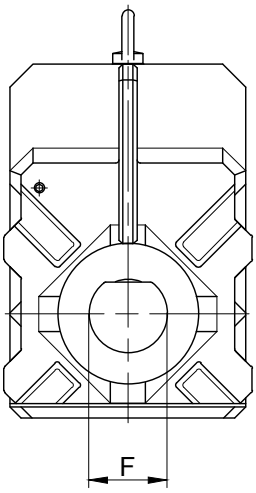




Gear side REAR (H)

Gear side FRONT (V)



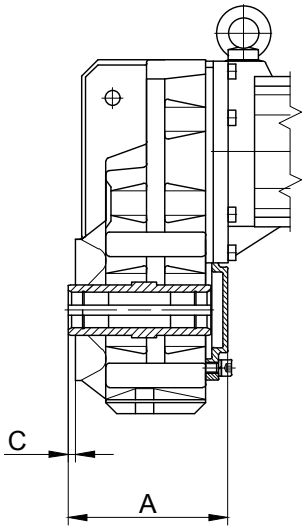


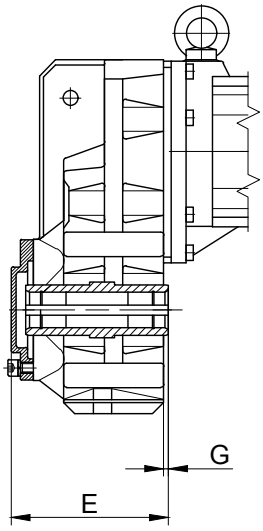
Shaft cap REAR (H)			
Type	A	B	C
BF10	134	78	5
BF20	142	85	5
BF30	153.5	90	7.5
BF40	179.5	110	7
BF50	192	125	6
BF60	222	140	7
BF70	258	170	6
Dimensions in millimetres (mm)			

Shaft cap FRONT (V)			
Type	E	F	G
BF30	149	78	7.5
BF50	189.5	110	6
BF70	262	130	6
Dimensions in millimetres (mm)			

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

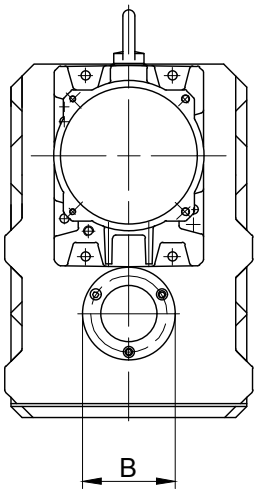
Shaft Cover (VD)

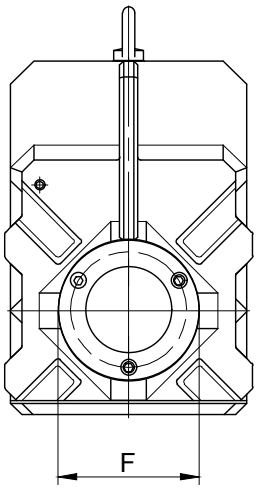




Gear side REAR (H)

Gear side FRONT (V)

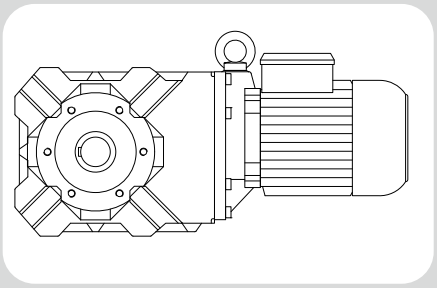




Shaft cover REAR (H)			
Type	A	B	C
BF70	376	300	8
BF90	442	350	8
Dimensions in millimetres (mm)			

Shaft cover FRONT (V)			
Type	E	F	G
BF10	135.5	120	5
BF20	144	139.5	5
BF30	153	139.5	7.5
BF40	179.5	160	7
BF50	191.5	199	6
BF60	221.5	210	7
BF70	258	250	6
BF80	376	300	8
BF90	442	350	8
Dimensions in millimetres (mm)			

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.



12

BK-series bevel-geared motors - Dimensions

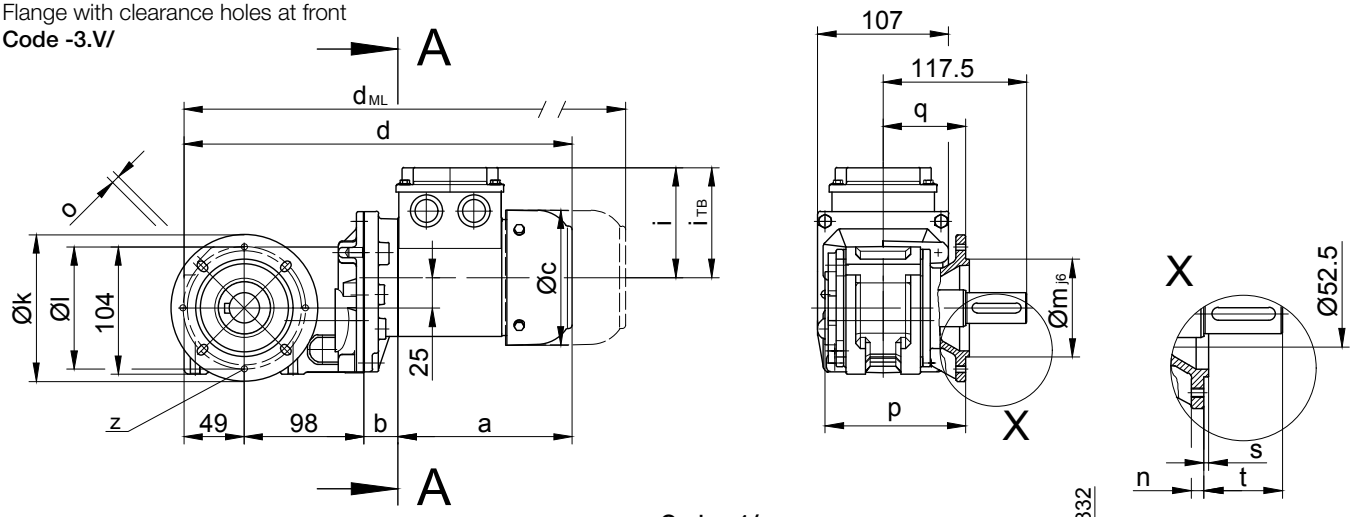
BK-series bevel-geared motors

Dimension - Standard

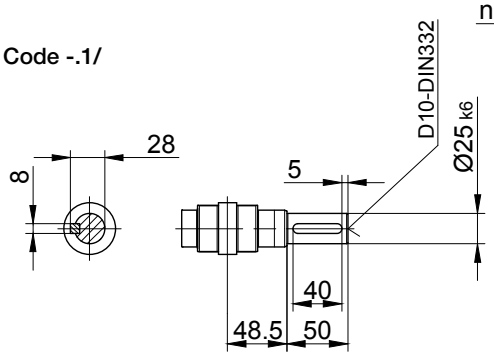
BK06

Flange with clearance holes at front

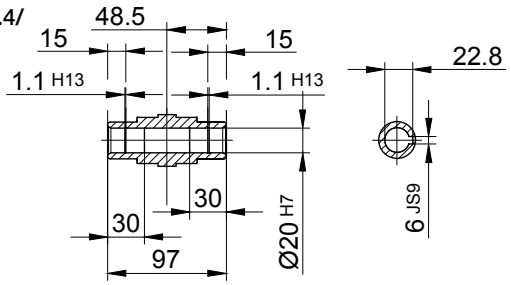
Code -3.V/



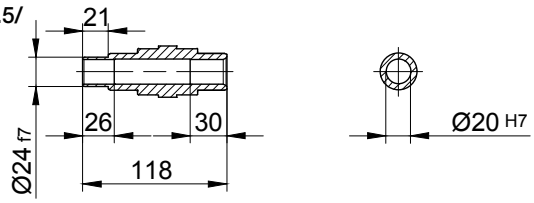
Code -.1/



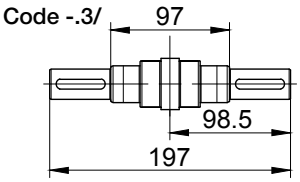
Code -.4/



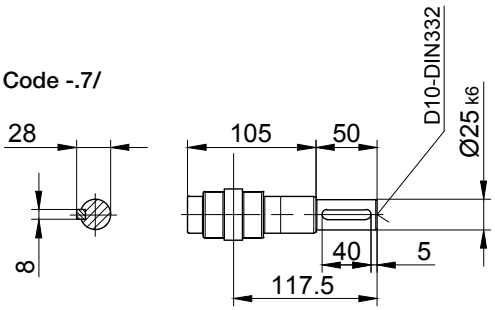
Code -.5/

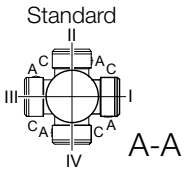


Code -.3/



Code -.7/





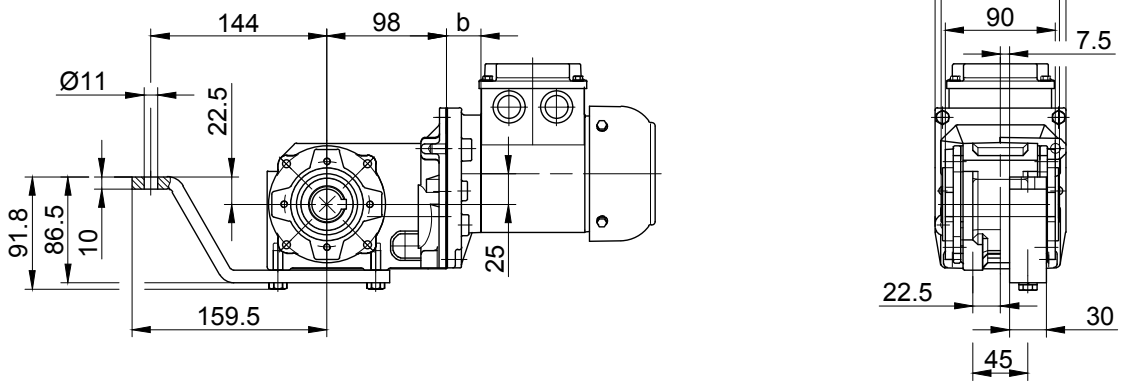
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK06	Code -3.V/	120	100	80	8	6.6	115	67.5	3	50	-
BK06	Code -3.V/	120	100	80	8	6.6	115	67.5	3	50	4xM6
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK06-../S04S	142.5	28	110.5	317.5	90	112	361	405	448.5	-
BK06-../S..06 (M, L)	170.5	30	123	347.5	99	119	389.5	450	487.5	-
BK06-../S..08 (M, L)	199.5	74	156	420.5	114.5	136.5	486.5	532.5	594	-
Dimensions in millimetres (mm										

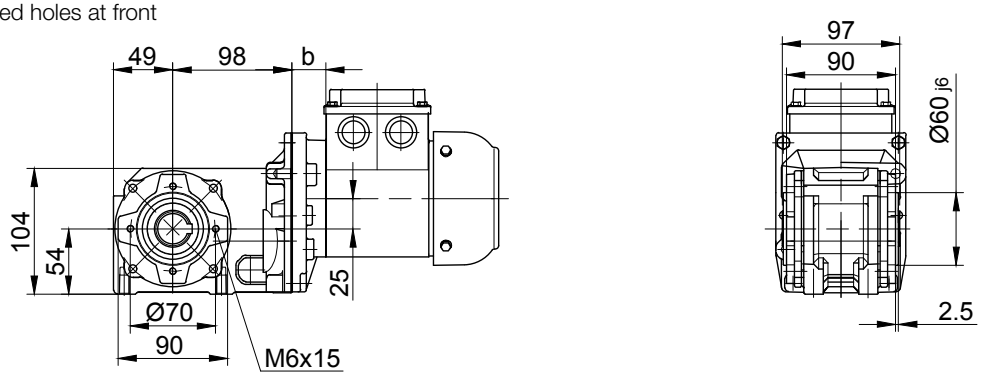
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK06

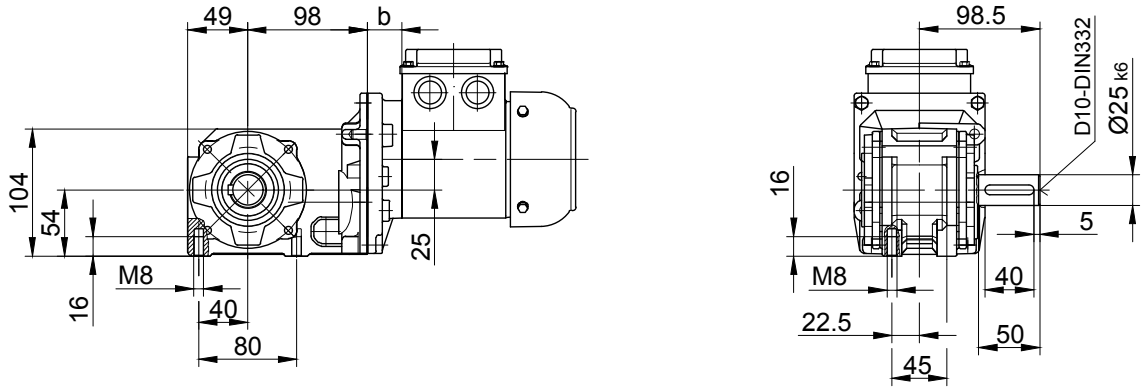
Torque arm at front
Code -5.V/



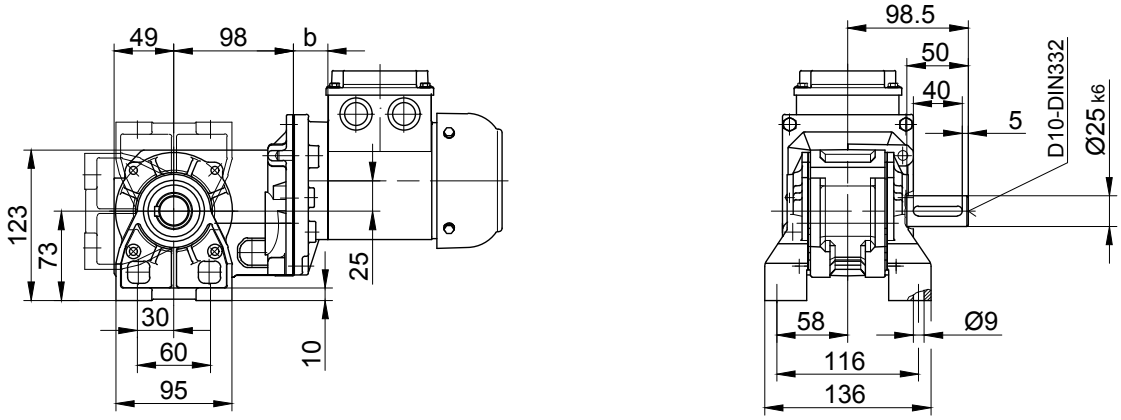
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

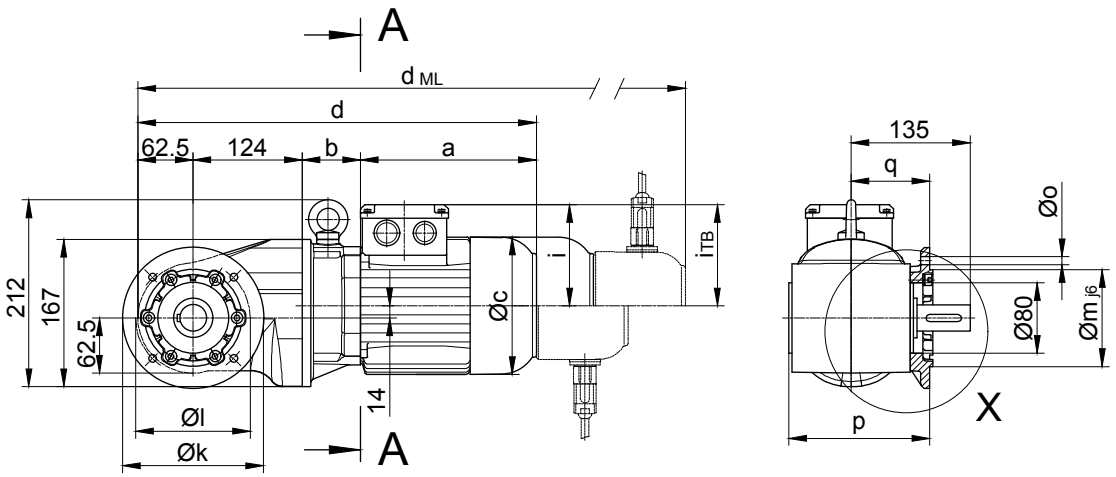
BK-series bevel-geared motors

Dimension - Standard

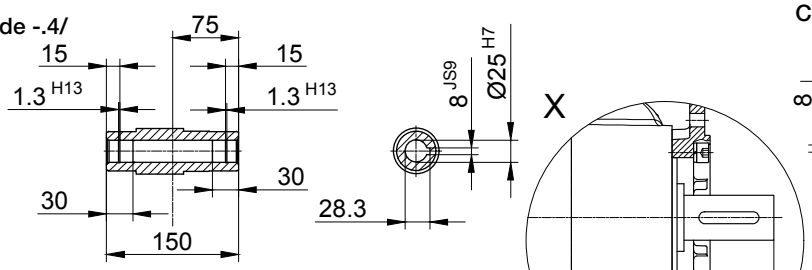
BK08

Flange with clearance holes at front

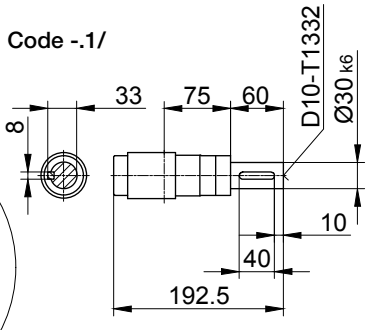
Code -3.V/
(Code -2.V)

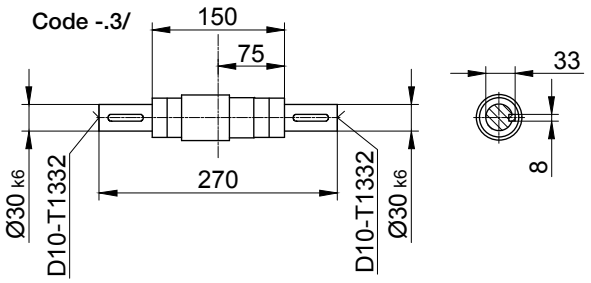


Code -.4/

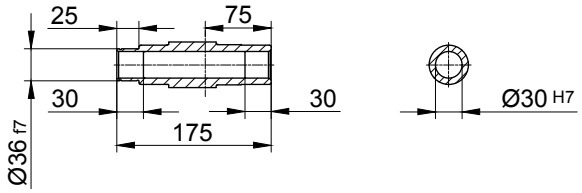


Code -.1/



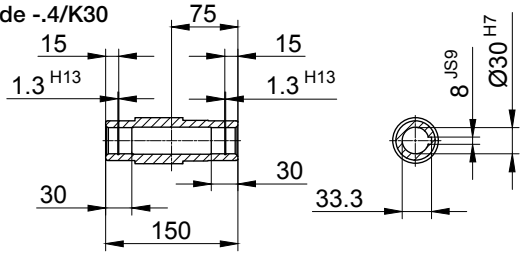


Code -.5/

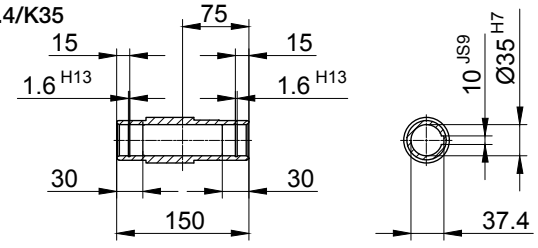


Code -.3/

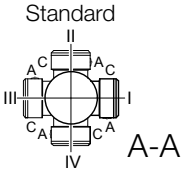
Code -.4/K30



Code -.4/K35



Standard



Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK08	Code -3.V/	200	165	130	12	11	166.5	96	3.5	39	-
BK08	Code -2.V/	160	130	110	10	9	159.5	89	3.5	46	-
Dimensions in millimetres (mm)											

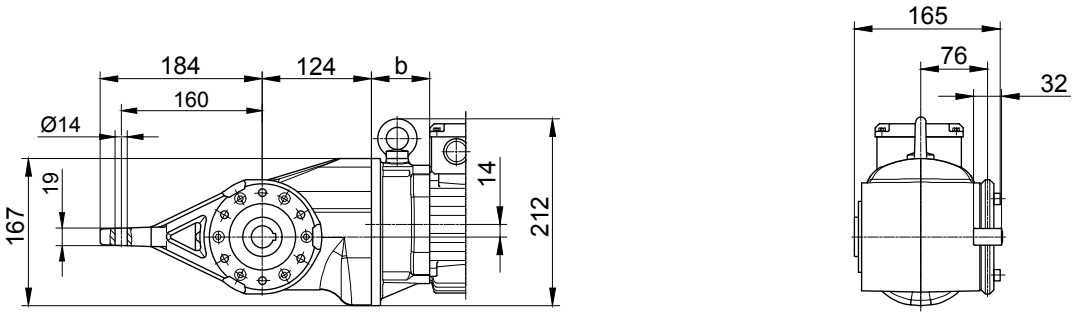
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK08-../S..08 (M, L)	199.5	66	156	452	114.5	136.5	518	564	625.5	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK08

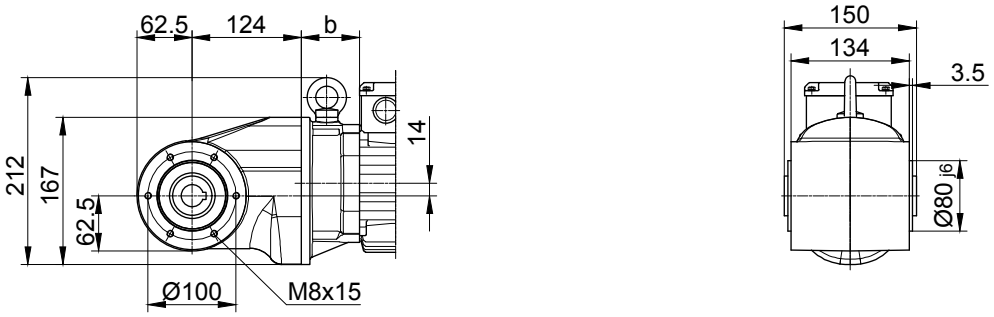
Torque arm at front

Code -5.V/



Flange with tapped holes at front

Code -7.V/



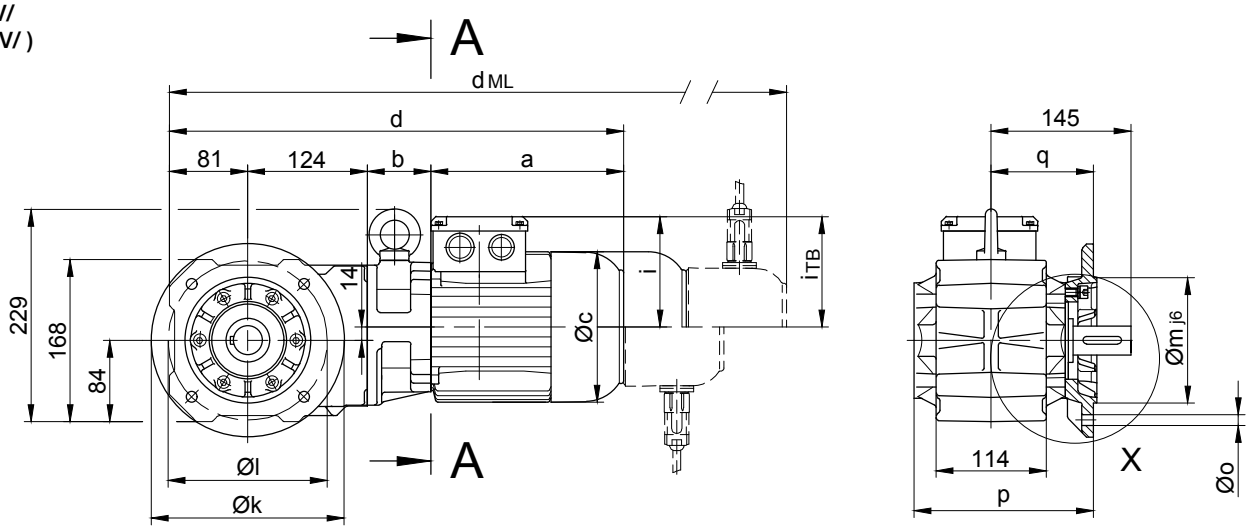
BK-series bevel-geared motors

Dimension - Standard

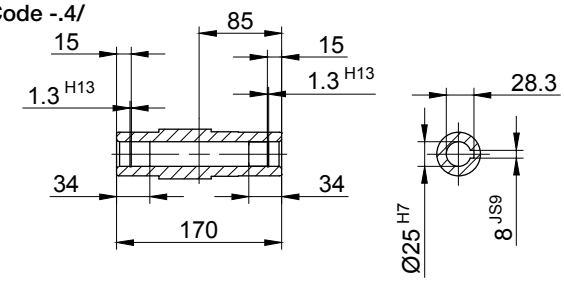
BK10-BK10Z

Flange with clearance holes at front

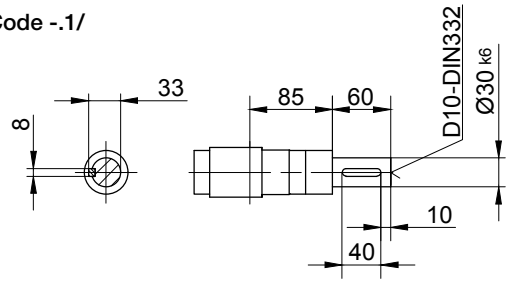
Code -3.V/
(Code -2.V/)

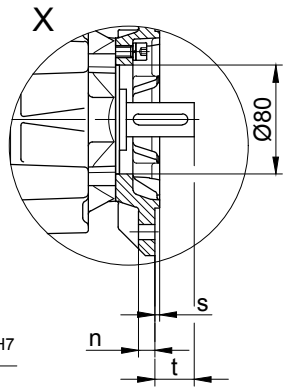


Code -.4/

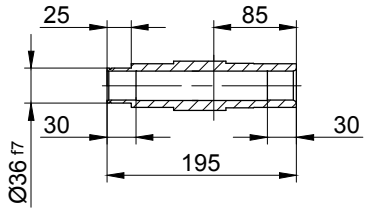


Code -.1/

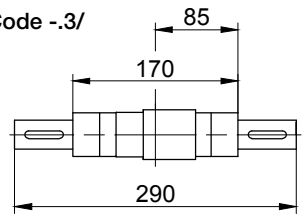


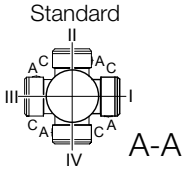


Code -.5/



Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK10..	Code -3.V/	200	165	130	12	11	186.5	106	3.5	39	-
BK10..	Code -2.V/	160	130	110	10	9	179.5	99	3.5	46	-
Dimensions in millimetres (mm)											

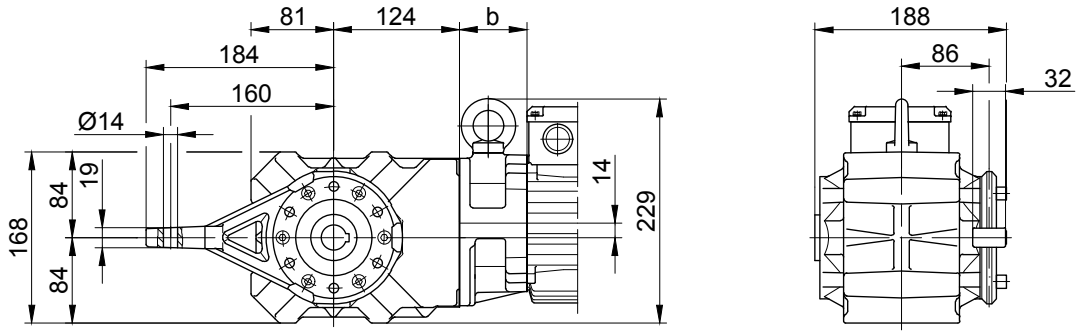
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK10Z-../S04S	142.5	86	110.5	433.5	90	112	477	521	564.5	-
BK10-../S..06 (M, L)	170.5	62	123	437.5	99	119	479.5	540	577.5	-
BK10Z-../S..06 (M, L)	170.5	88	123	463.5	99	119	505.5	566	603.5	-
BK10-../S..08 (M, L)	199.5	66	156	470.5	114.5	136.5	536.5	582.5	644	-
BK10Z-../S..08 (M, L)	199.5	132	156	536.5	114.5	136.5	602.5	648.5	710	-
BK10-../S..09 (S, X)	250.5	80.5	176	536	124	157	629	643.5	733	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK10-BK10Z

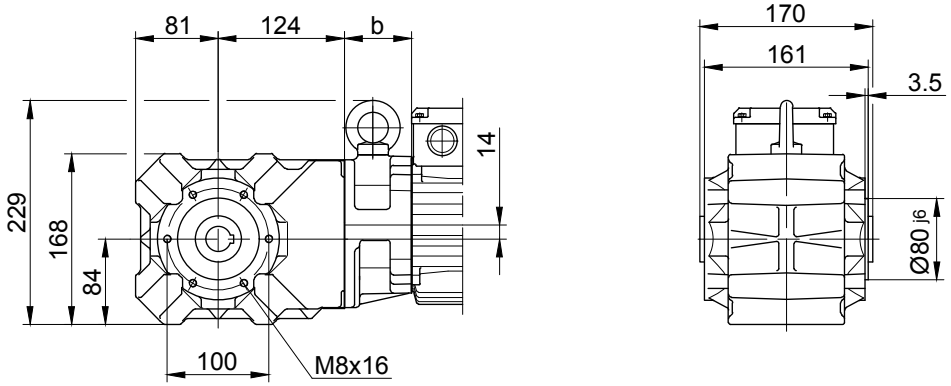
Torque arm at front

Code -5.V/



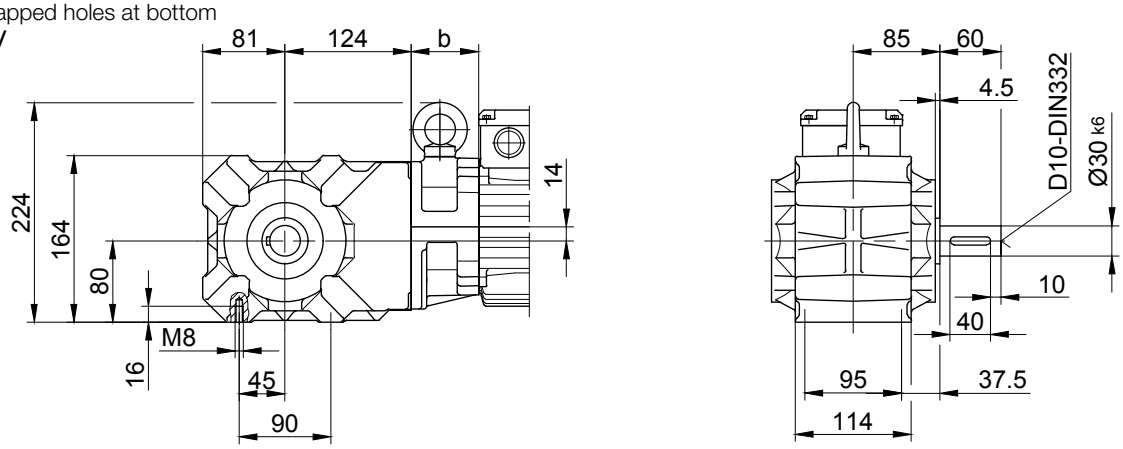
Flange with tapped holes at front

Code -7.V/



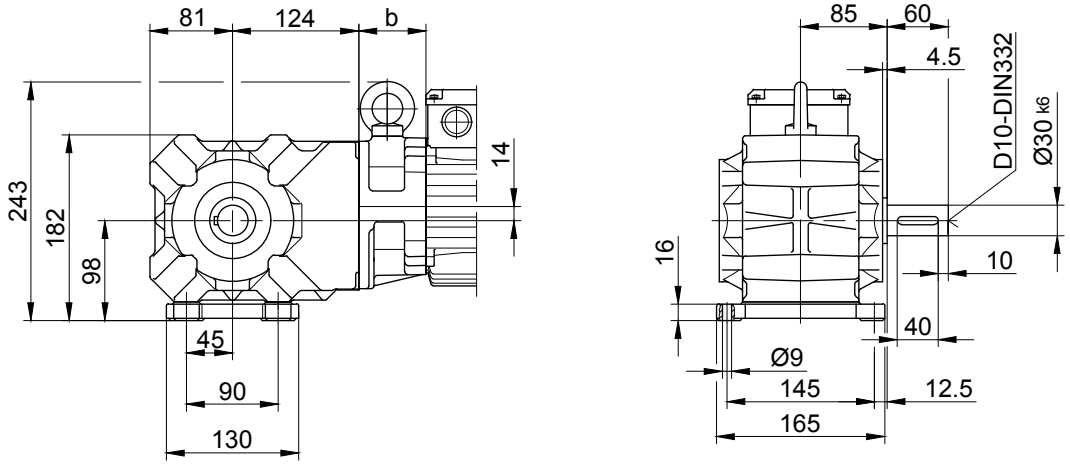
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

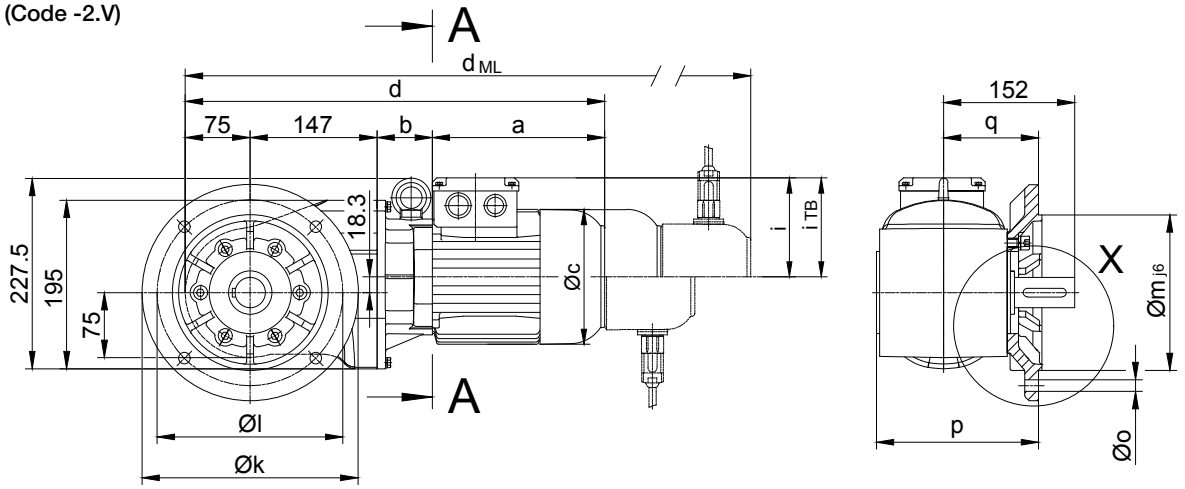
BK-series bevel-geared motors

Dimension - Standard

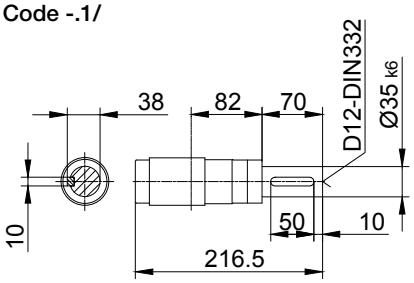
BK17

Flange with clearance holes at front

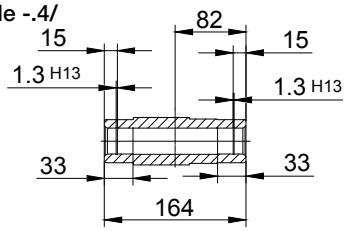
Code -3.V/
(Code -2.V)

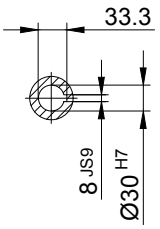


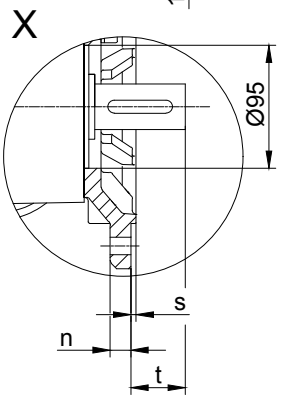
Code -.1/



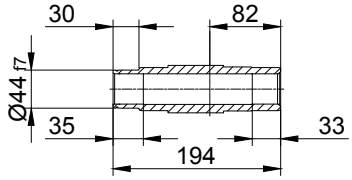
Code -.4/

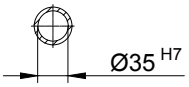




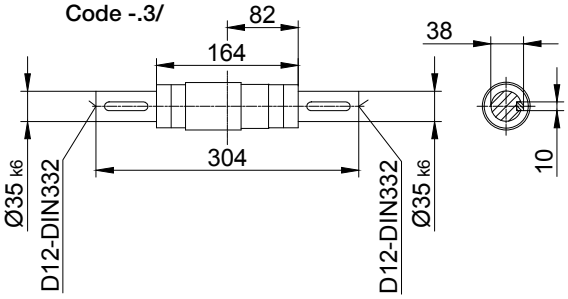


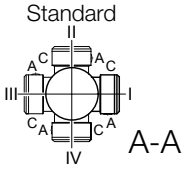
Code -.5/





Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK17	Code -3.V/	250	215	180	16	13.5	187.5	110	4	42.5	-
BK17	Code -2.V/	200	165	130	12	11	178.5	101	3.5	51	-
Dimensions in millimetres (mm)											

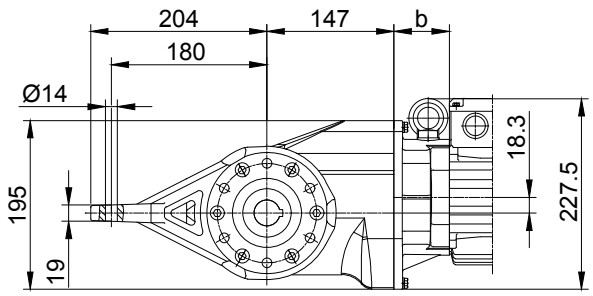
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK17-../S..08 (M, L)	199.5	64	156	485.5	114.5	136.5	551.5	597.5	659	-
BK17-../S..09 (S, X)	250.5	78.5	176	551	124	157	644	658.5	748	-
Dimensions in millimetres (mm										

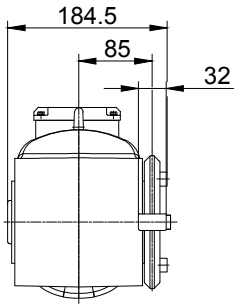
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK17

Torque arm at front

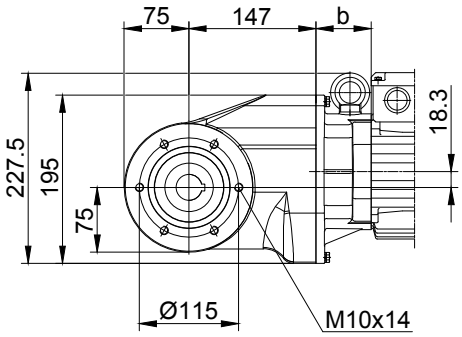
Code -5.V/

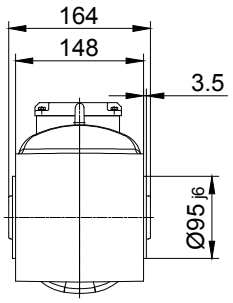




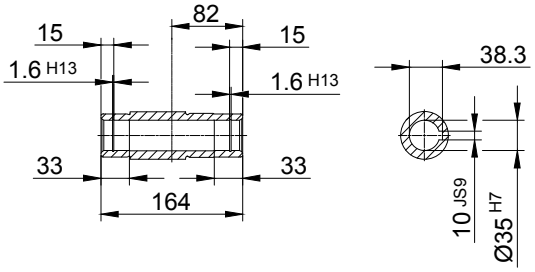
Flange with tapped holes at front

Code -7.V/

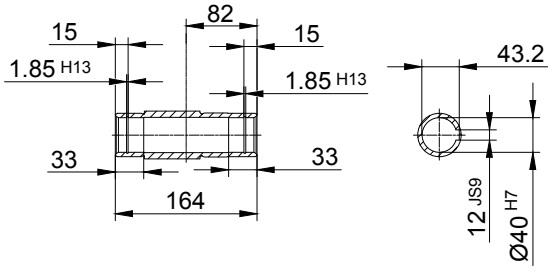




Code -.4/K35



Code -.4/K40



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

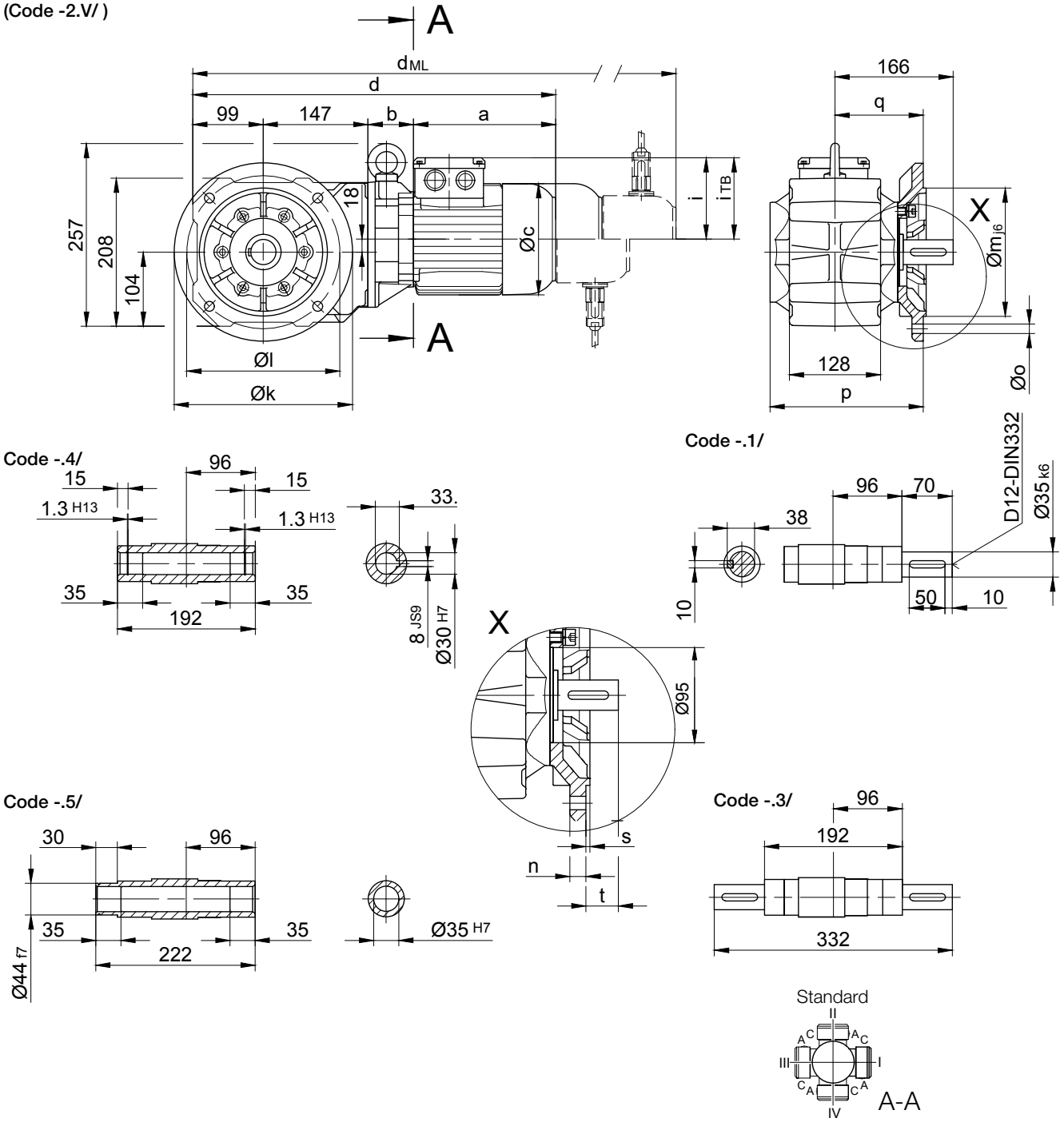
Dimension - Standard

BK20-BK20Z

Flange with clearance holes at front

Code -3.V/

(Code -2.V/)



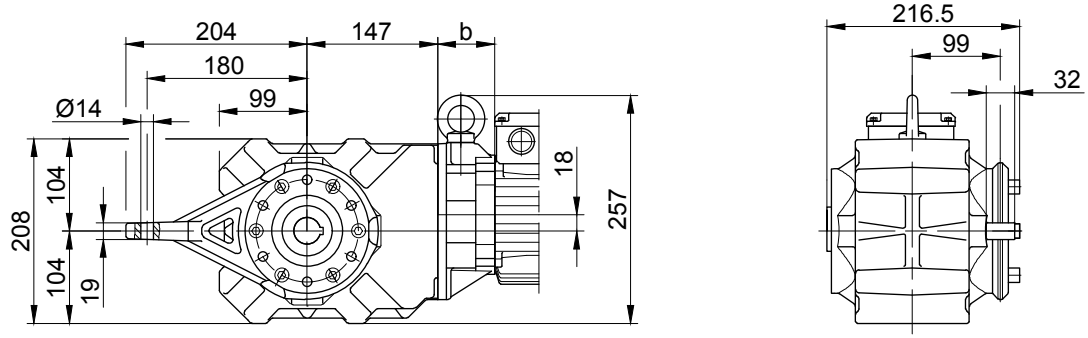
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK20..	Code -3.V/	250	215	180	16	13.5	215.5	124	4	42.5	-
BK20..	Code -2.V/	200	165	130	12	11	206.5	115	3.5	51	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK20Z-../S04S	142.5	100	110.5	488.5	90	112	532	576	619.5	-
BK20-../S..06 (M, L)	170.5	60	123	476.5	99	119	518.5	579	616.5	-
BK20Z-../S..06 (M, L)	170.5	102	123	518.5	99	119	560.5	621	658.5	-
BK20-../S..08 (M, L)	199.5	64	156	509.5	114.5	136.5	575.5	621.5	683	-
BK20Z-../S..08 (M, L)	199.5	146	156	591.5	114.5	136.5	657.5	703.5	765	-
BK20-../S..09 (S, X)	250.5	78.5	176	575	124	157	741.5	682.5	772	-
Dimensions in millimetres (mm										

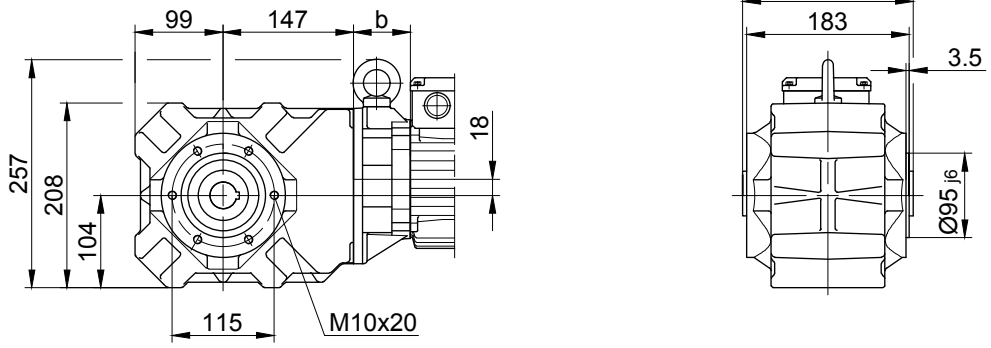
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK20-BK20Z

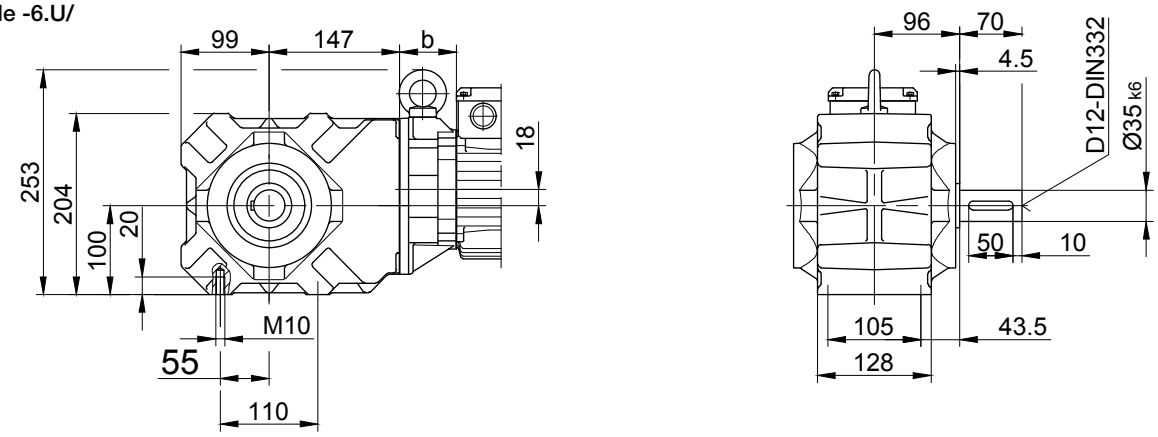
Torque arm at front
Code -5.V/



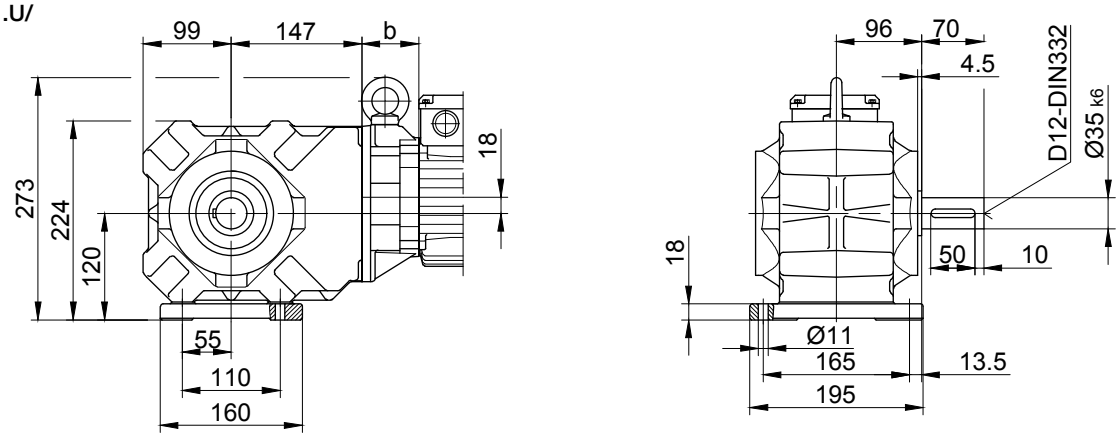
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

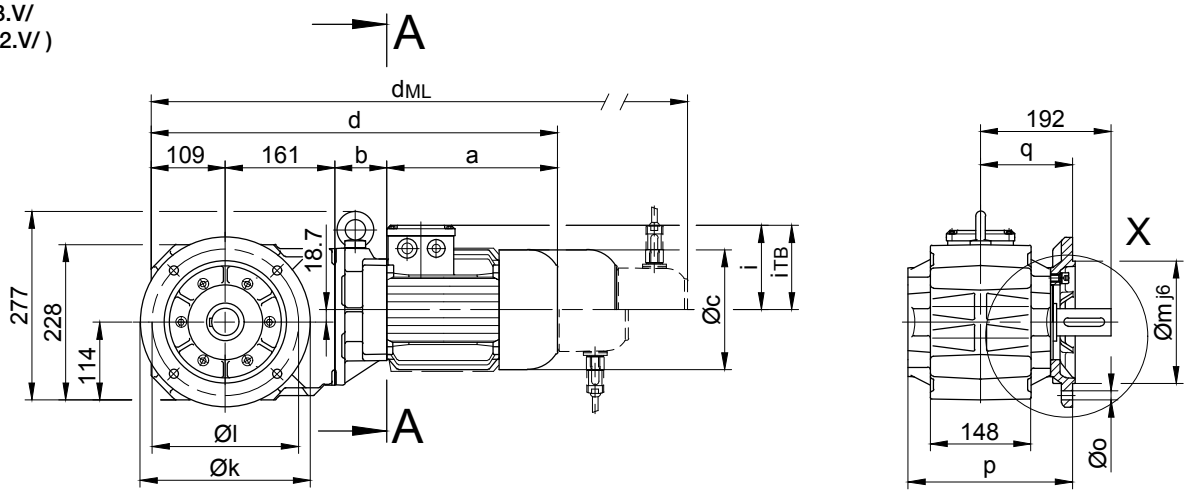
BK-series bevel-geared motors

Dimension - Standard

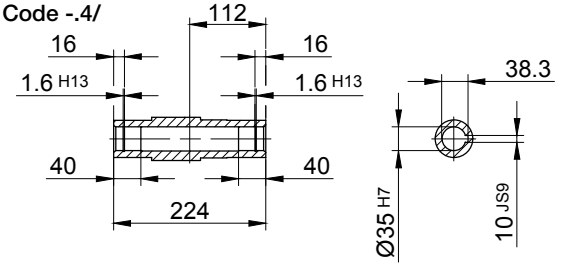
BK30-BK30Z

Flange with clearance holes at front

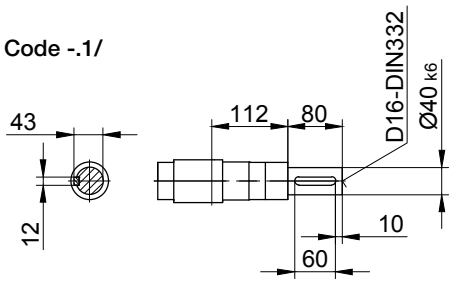
Code -3.V/
(Code -2.V/)

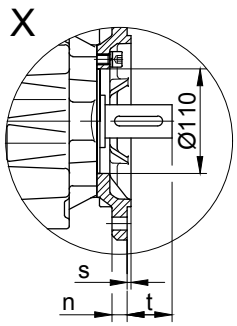


Code -.4/

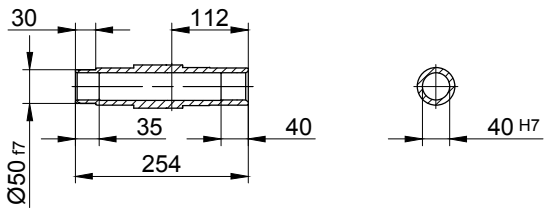


Code -.1/

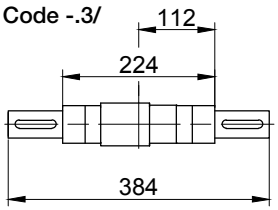


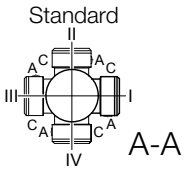


Code -.5/



Code -.3/





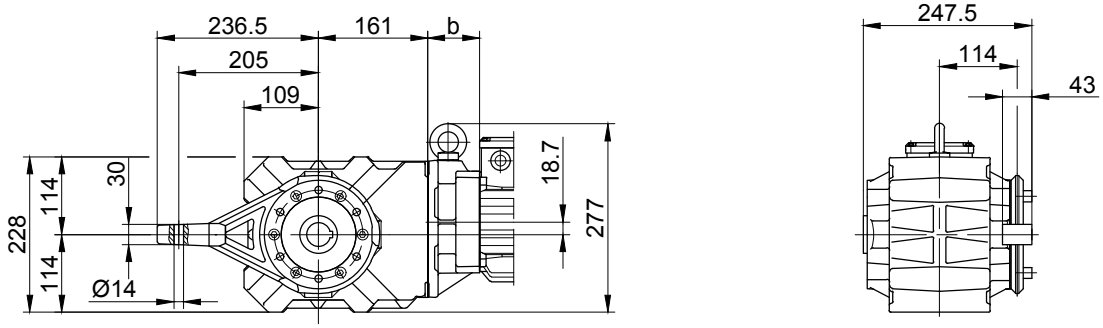
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK30..	Code -3.V/	250	215	180	16	13.5	242	135	4	57	-
BK30..	Code -2.V/	200	165	130	12	11	239	132	3.5	59.5	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK30-../S..06 (M, L)	170.5	58	123	498.5	99	119	540.5	601	638.5	-
BK30Z-../S..06 (M, L)	170.5	133.5	123	574	99	119	616	676.5	714	-
BK30-../S..08 (M, L)	199.5	62	156	531.5	114.5	136.5	597.5	643.5	705	-
BK30Z-../S..08 (M, L)	199.5	137.5	156	607	114.5	136.5	673	719	780.5	-
BK30-../S..09 (S, X)	250.5	76.5	176	597	124	157	690	704.5	794	-
BK30Z-../S..09 (S, X)	250.5	152	176	672.5	124	157	765.5	780	869.5	-
BK30-../S..11 (S, M, L)	319	83	218	672	165	176	770	779.5	872	-
Dimensions in millimetres (mm										

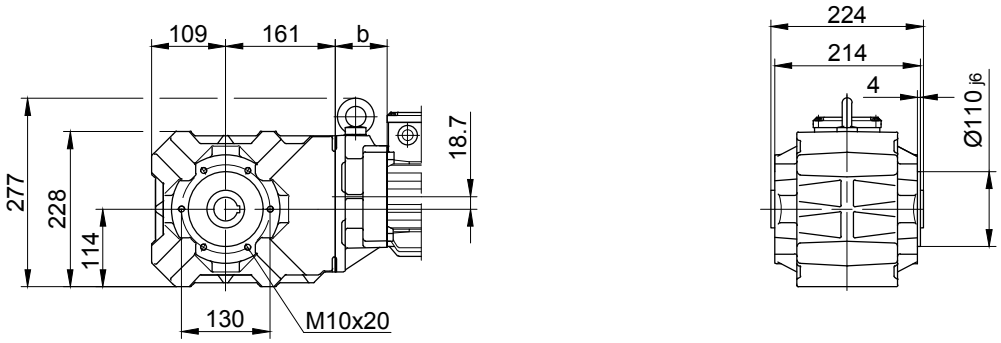
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK30-BK30Z

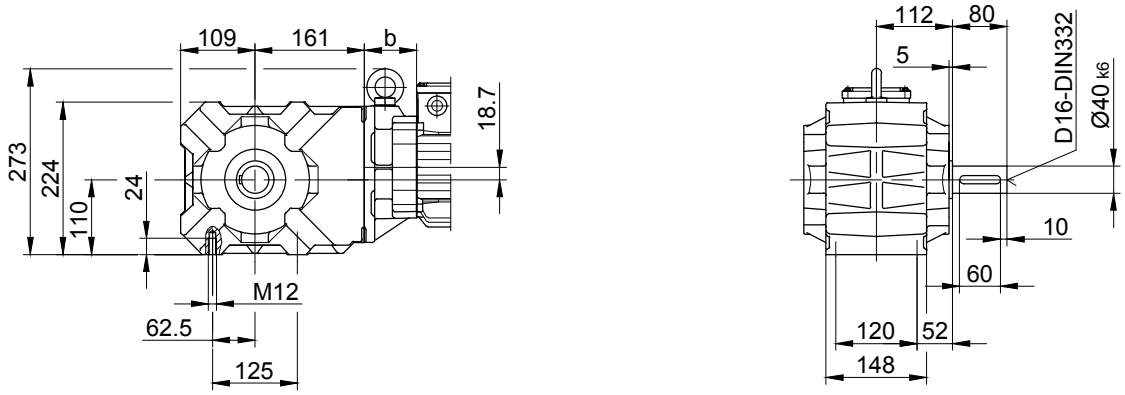
Torque arm at front
Code -5.V/



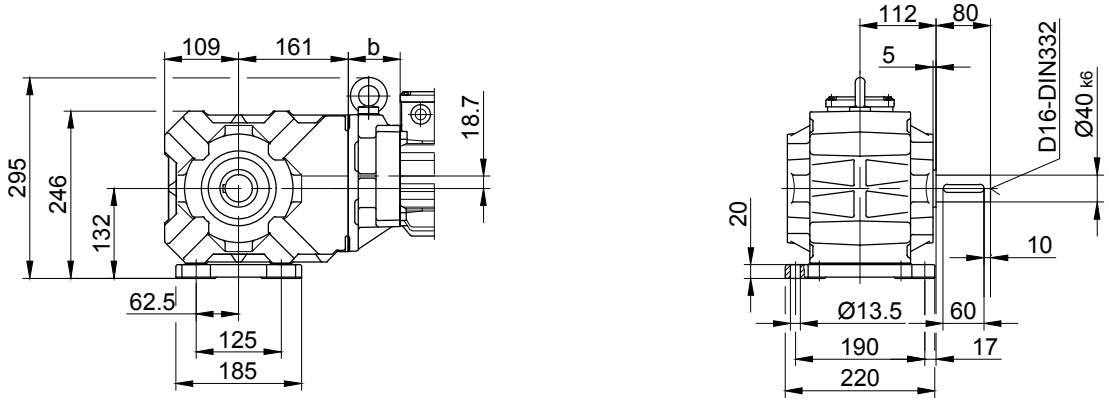
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

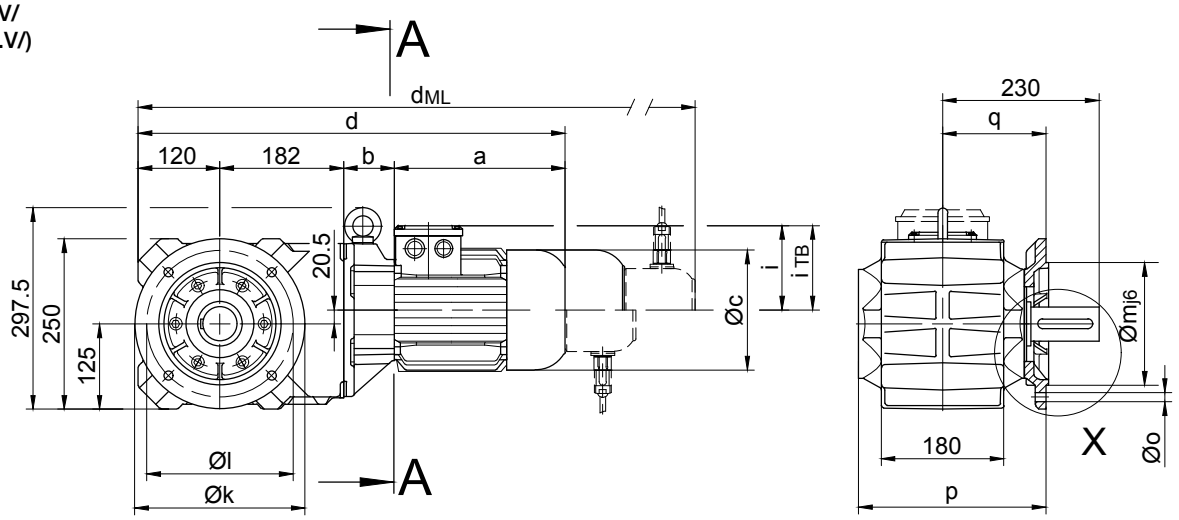
BK-series bevel-geared motors

Dimension - Standard

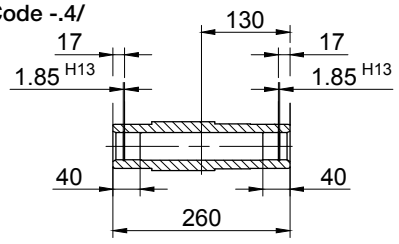
BK40-BK40Z

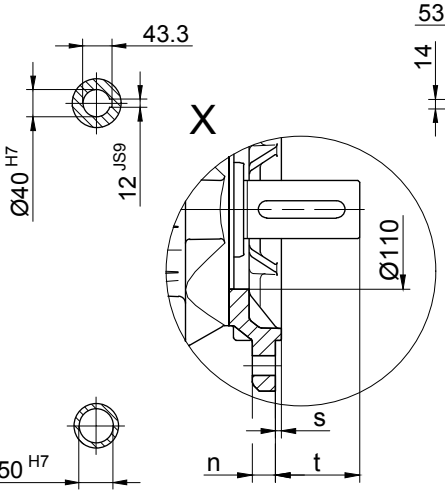
Flange with clearance holes at front

Code -3.V/
(Code -4.V/)

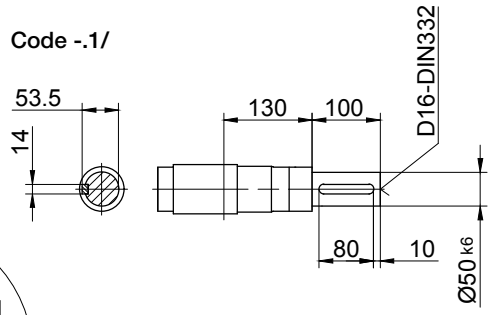


Code -.4/

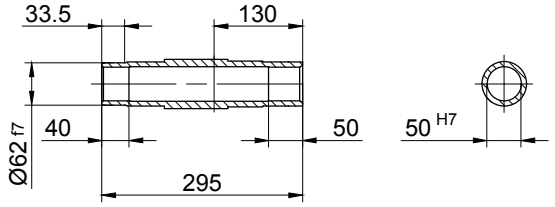




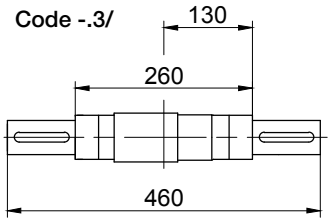
Code -.1/

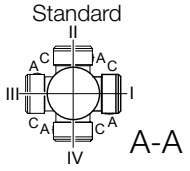


Code -.5/



Code -.3/





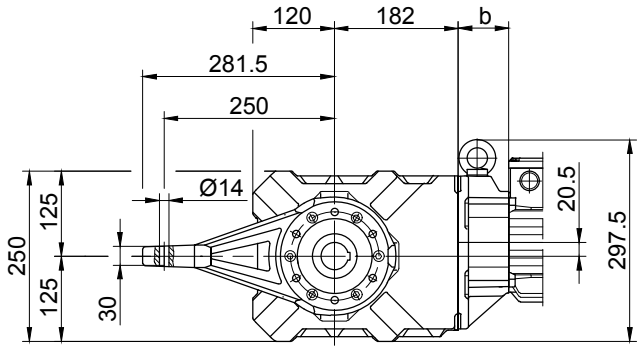
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK40..	Code -3.V/	250	215	180	16	13.5	276	152	4	78	-
BK40..	Code -4.V/	300	265	230	20	13.5	282	158	4	72	-
Dimensions in millimetres (mm)											

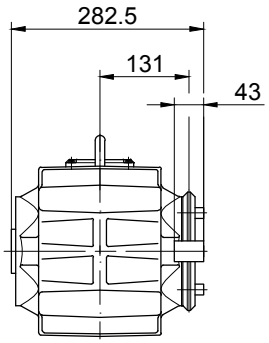
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK40Z-../S..06 (M, L)	170.5	138.5	123	611	99	119	653	713.5	751	-
BK40-../S..08 (M, L)	199.5	60	156	561.5	114.5	136.5	627.5	673.5	735	-
BK40Z-../S..08 (M, L)	199.5	142.5	156	644	114.5	136.5	710	756	817.5	-
BK40-../S..09 (S, X)	250.5	74.5	176	627	124	157	720	734.5	824	-
BK40Z-../S..09 (S, X)	250.5	157	176	709.5	124	157	802.5	817	906.5	-
BK40-../S..11 (S, M, L)	319	81	218	702	165	176	800	809.5	902	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

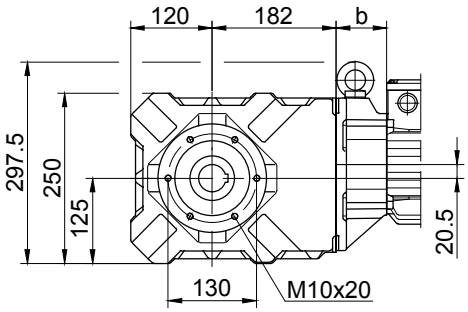
BK40-BK40Z

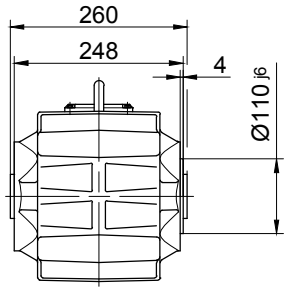
Torque arm at front
Code -5.V/



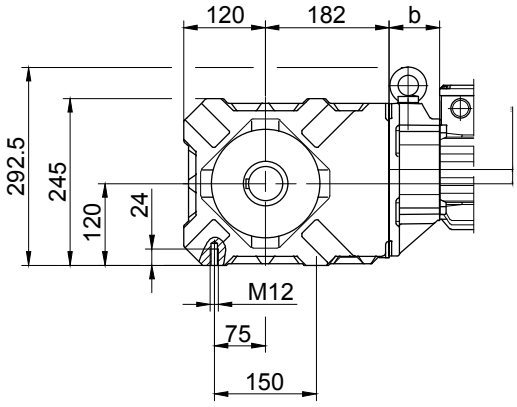


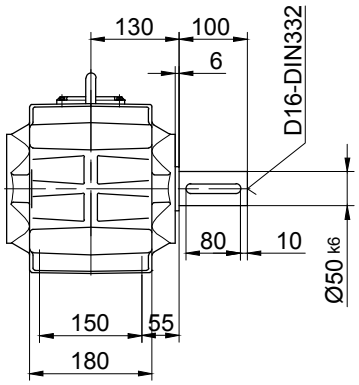
Flange with tapped holes at front
Code -7.V/



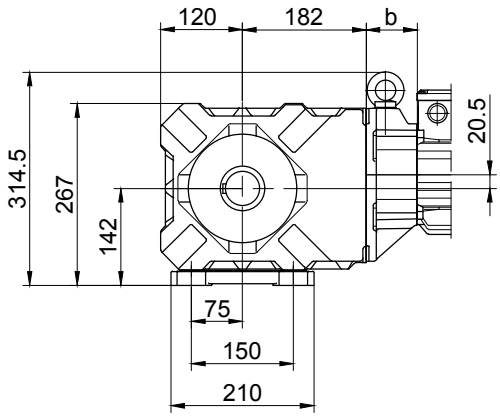


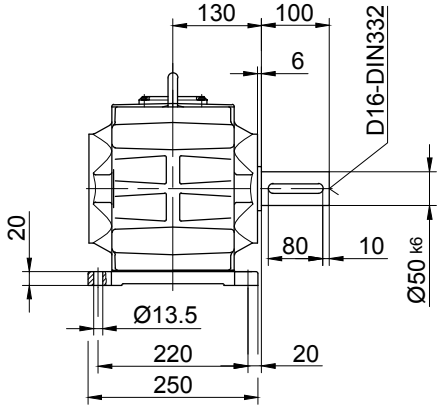
Foot with tapped holes at bottom
Code -6.U/





Foot with clearance holes at bottom
Code -1.U/





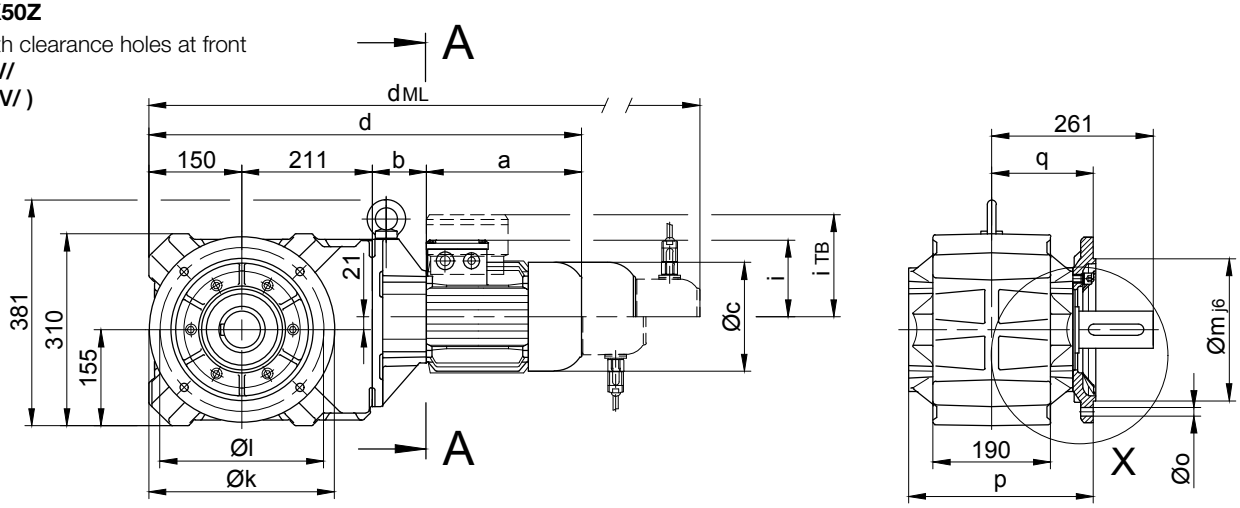
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

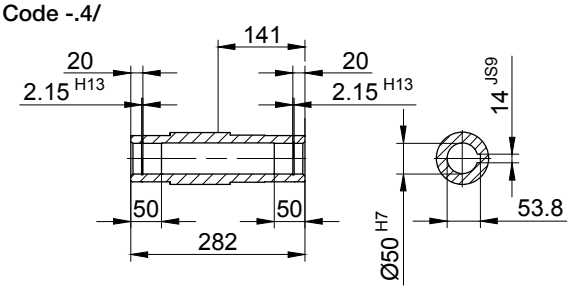
Dimension - Standard

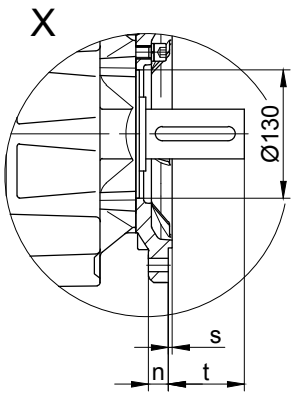
BK50-BK50Z

Flange with clearance holes at front
Code -3.V/
(Code -2.V/)

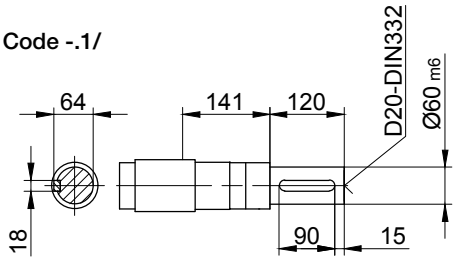


Code -.4/

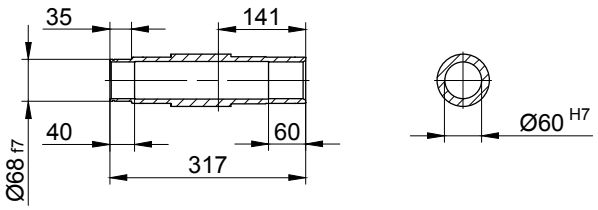




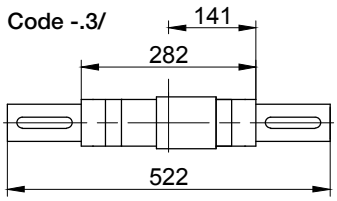
Code -.1/

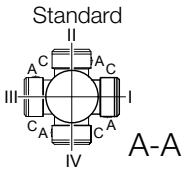


Code -.5/



Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK50..	Code -3.V/	300	265	230	20	13.5	299	164	4	97	-
BK50..	Code -2.V/	250	215	180	16	13.5	296	161	4	100	-
Dimensions in millimetres (mm)											

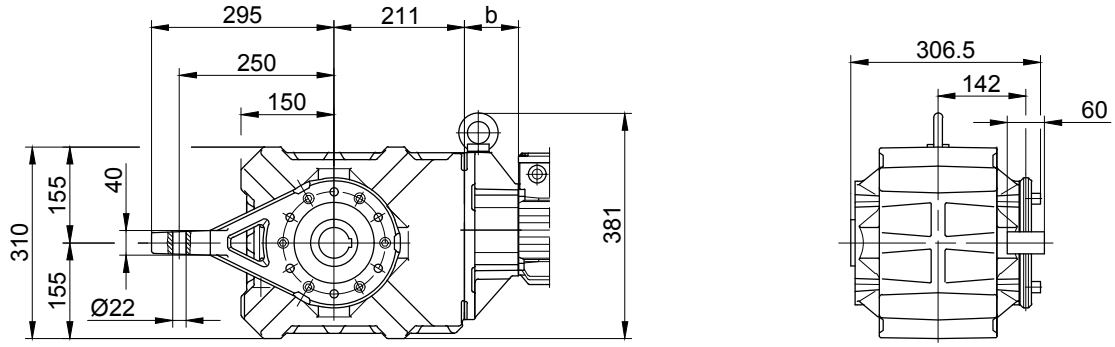
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK50Z-../S..06 (M, L)	170.5	155	123	686.5	99	119	728.5	789	826.5	-
BK50-../S..08 (M, L)	199.5	73	156	633.5	114.5	136.5	699.5	745.5	807	-
BK50Z-../S..08 (M, L)	199.5	159	156	719.5	114.5	136.5	785.5	831.5	893	-
BK50-../S..09 (S, X)	250.5	87.5	176	699	124	157	792	806.5	896	-
BK50Z-../S..09 (S, X)	250.5	173.5	176	785	124	157	878	892.5	982	-
BK50-../S..11 (S, M, L)	319	94	218	774	165	176	872	881.5	974	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK50-BK50Z

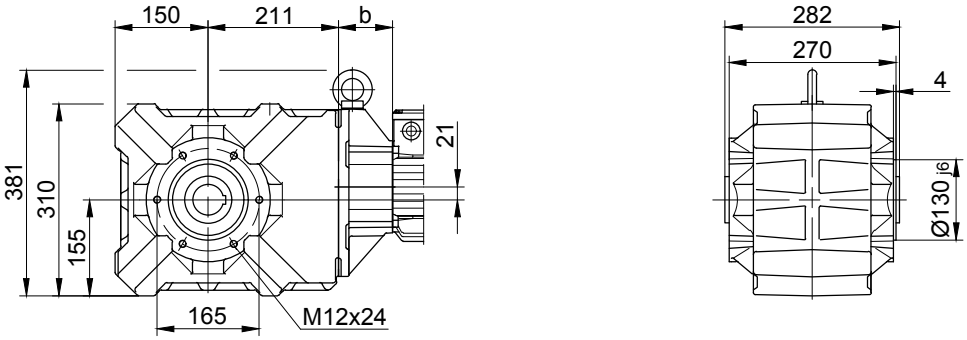
Torque arm at front

Code -5.V/



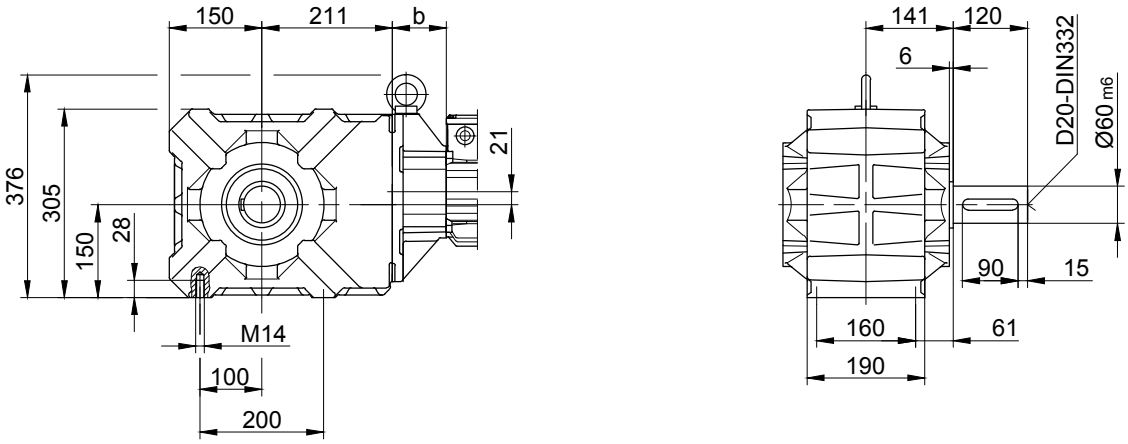
Flange with tapped holes at front

Code -7.V/



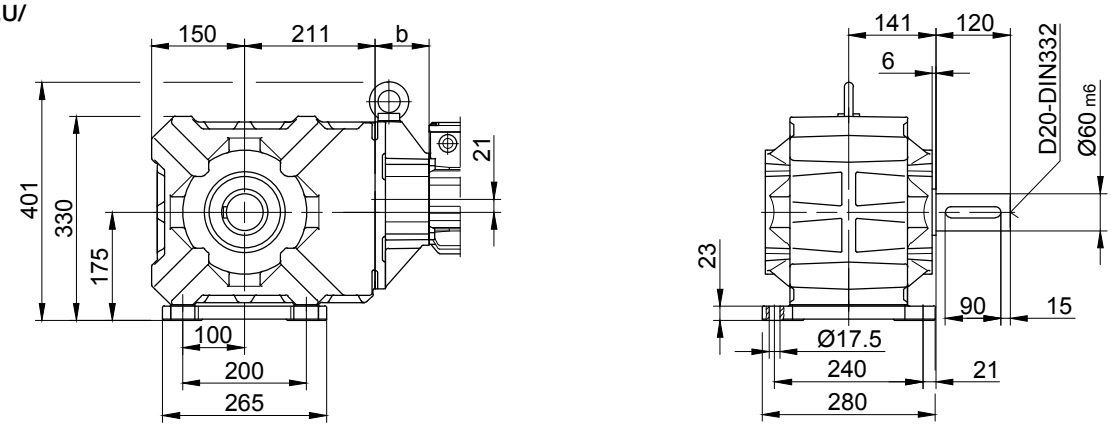
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

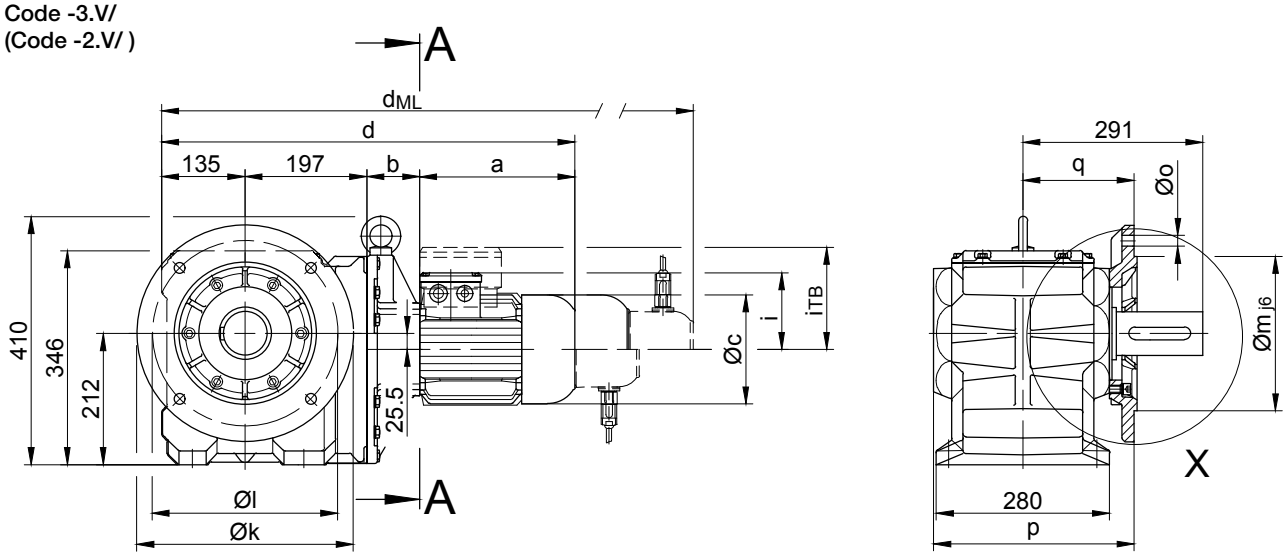
BK-series bevel-geared motors

Dimension - Standard

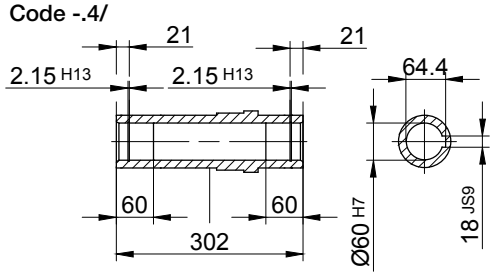
BK60-BK60Z

Flange with clearance holes at front

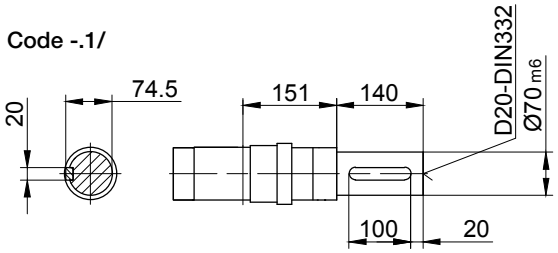
Code -3.V/
(Code -2.V/)

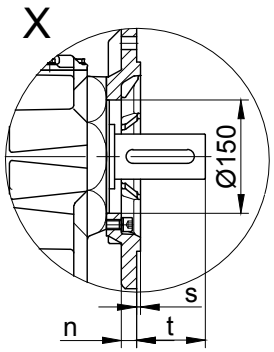


Code -.4/

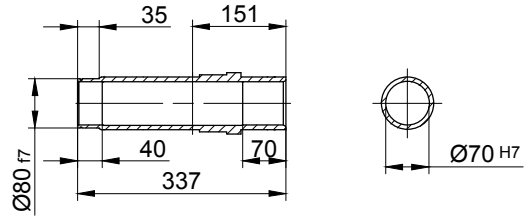


Code -.1/

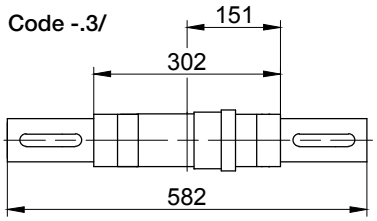


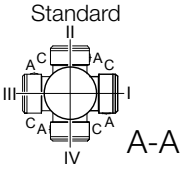


Code -.5/



Code -.3/





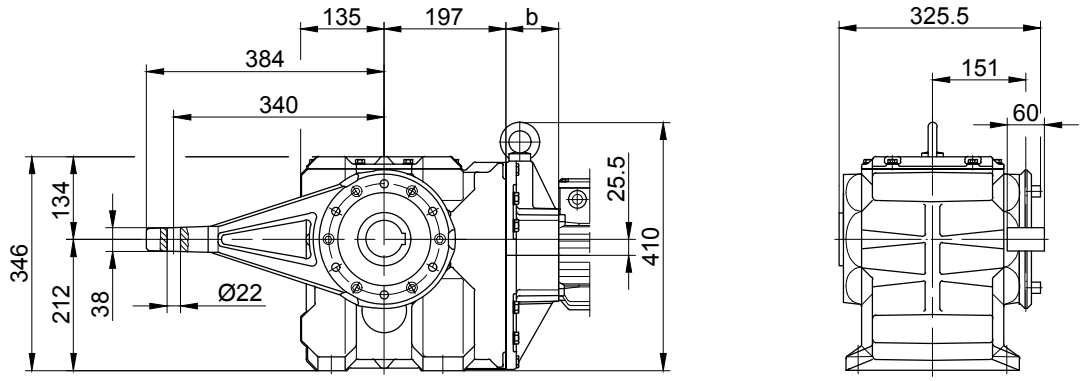
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK60..	Code -3.V/	350	300	250	20	17.5	324	180	5	112	-
BK60..	Code -2.V/	300	265	230	20	13.5	332	188	4	103	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK60Z-../S..08 (M, L)	199.5	181	156	712.5	114.5	136.5	778.5	824.5	886	-
BK60-../S..09 (S, X)	250.5	85.5	176	668	124	157	761	775.5	865	-
BK60Z-../S..09 (S, X)	250.5	195.5	176	778	124	157	871	885.5	975	-
BK60-../S..11 (S, M, L)	319	92	218	743	165	176	841	850.5	943	-
BK60Z-../S..11 (S, M, L)	319	202	218	853	165	176	951	960.5	1053	-
Dimensions in millimetres (mm										

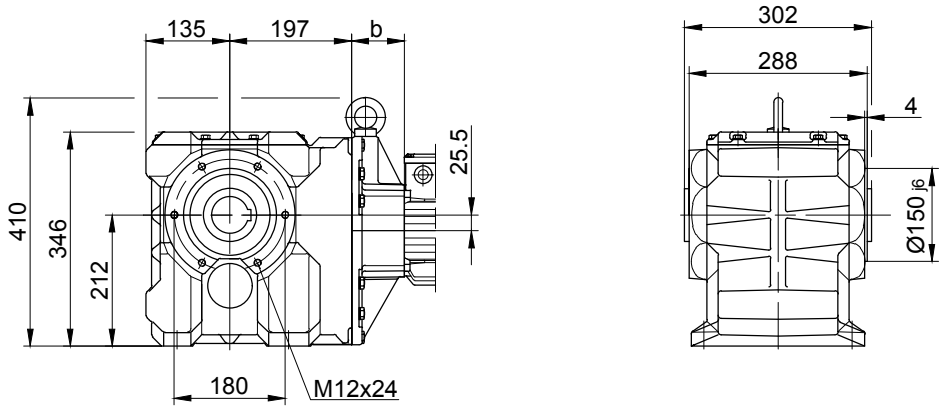
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK60-BK60Z

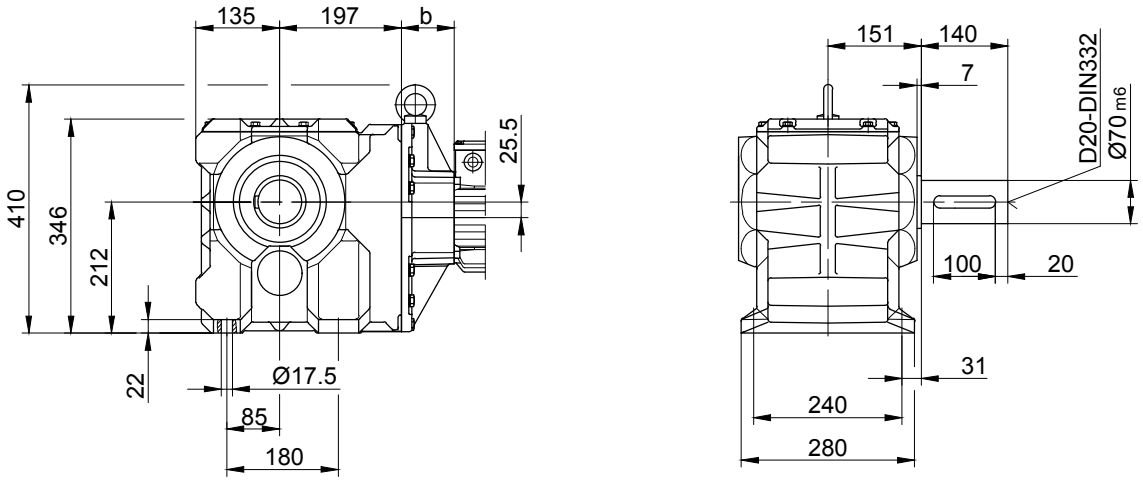
Torque arm at front
Code -5.V/



Flange with tapped holes at front
Code -7.V/



Foot with clearance holes at bottom
Code -1.U/



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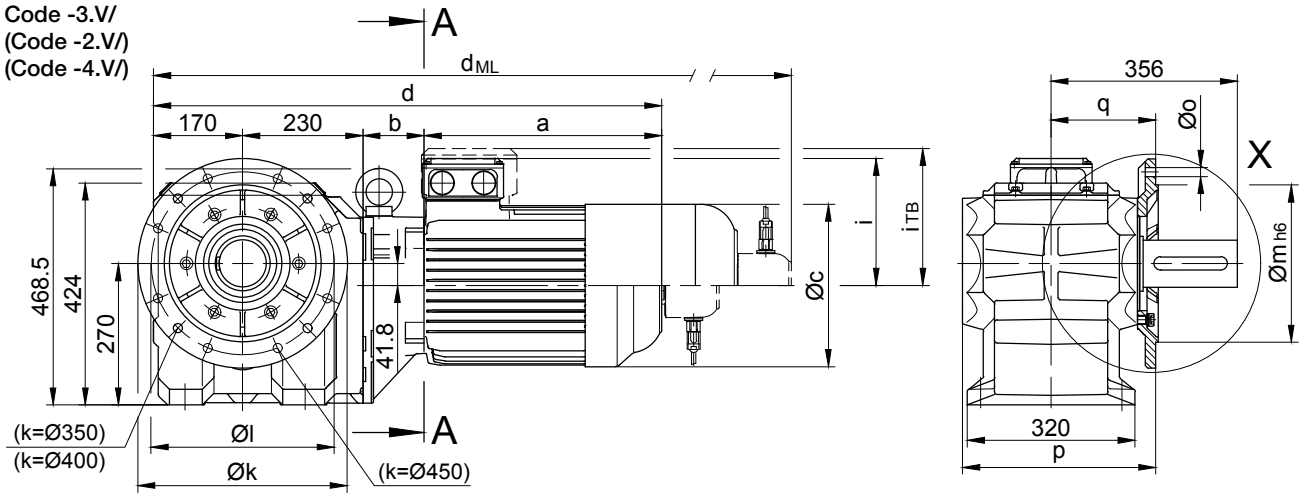
BK-series bevel-geared motors

Dimension - Standard

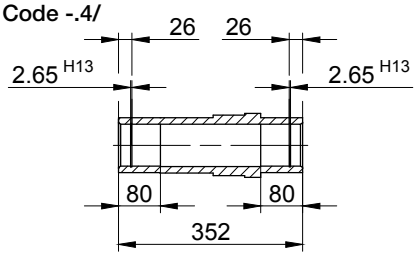
BK70-BK70Z

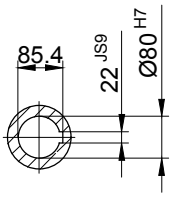
Flange with clearance holes at front

Code -3.V/
(Code -2.V/)
(Code -4.V/)

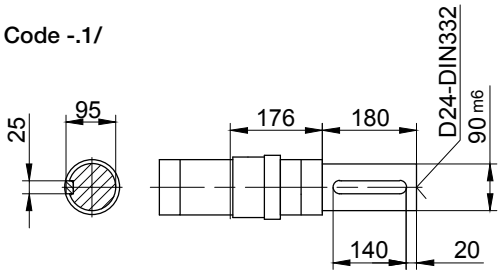


Code -.4/

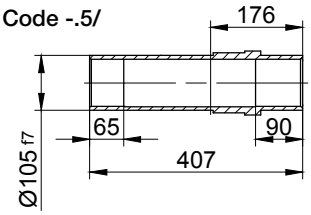


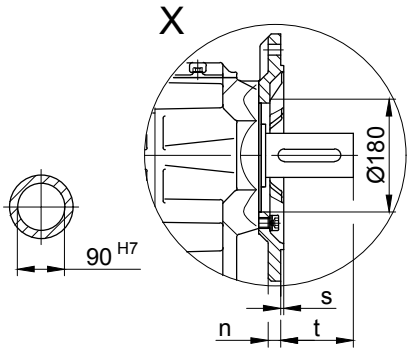


Code -.1/

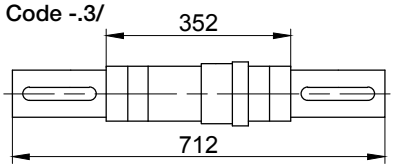


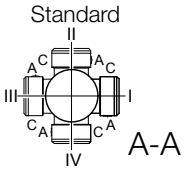
Code -.5/





Code -.3/





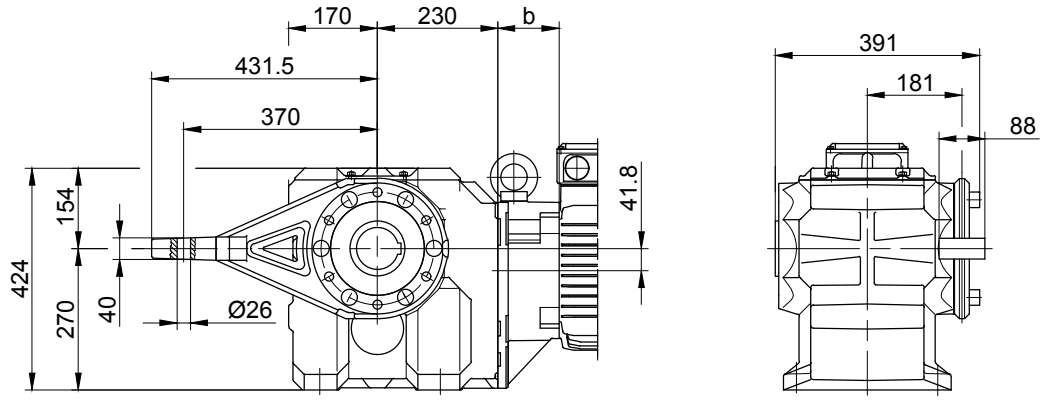
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK70..	Code -3.V/	400	350	300	20	17.5	369	200	5	157	-
BK70..	Code -2.V/	350	300	250	20	17.5	369	200	5	157	-
BK70..	Code -4.V/	450	400	350	22	17.5	379	210	5	147	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK70Z-../S..08 (M, L)	199.5	202	156	801.5	114.5	136.5	867.5	913.5	975	-
BK70-../S..09 (S, X)	250.5	83.5	176	734	124	157	827	841.5	931	-
BK70Z-../S..09 (S, X)	250.5	216.5	176	867	124	157	960	974.5	1064	-
BK70-../S..11 (S, M, L)	319	90	218	809	165	176	907	916.5	1009	-
BK70Z-../S..11 (S, M, L)	319	223	218	942	165	176	1040	1049.5	1142	-
Dimensions in millimetres (mm										

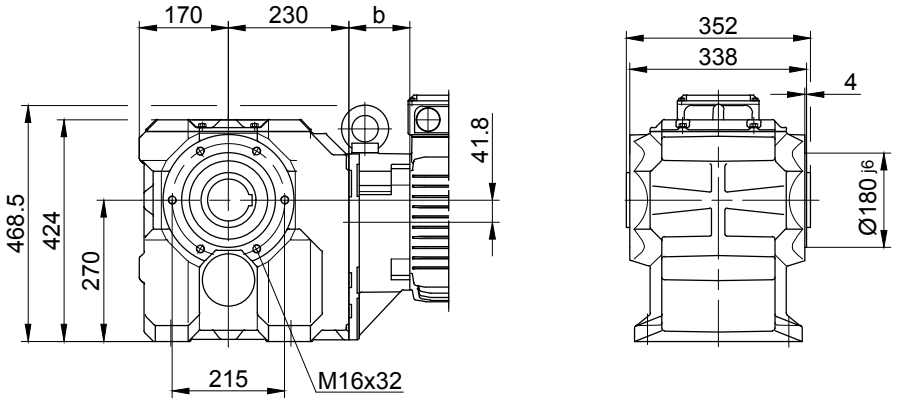
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK70-BK70Z

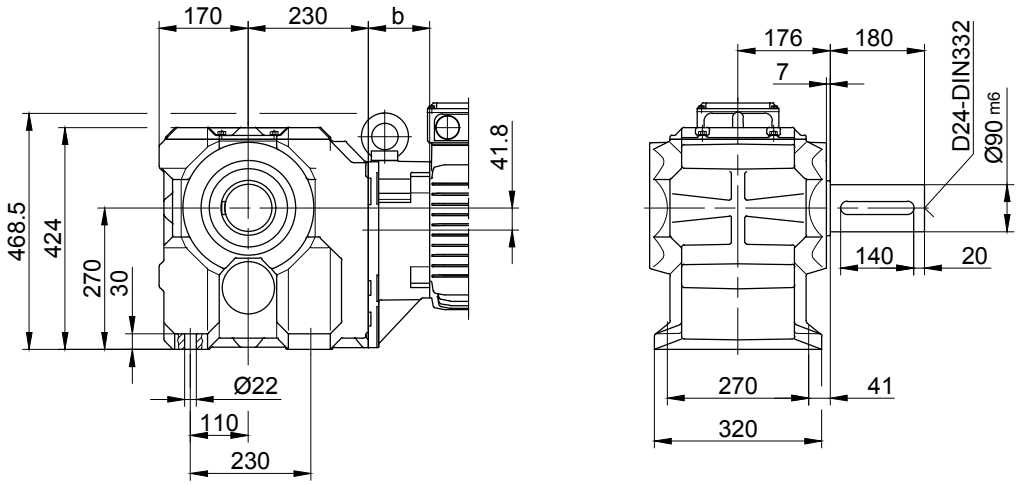
Torque arm at front
Code -5.V/



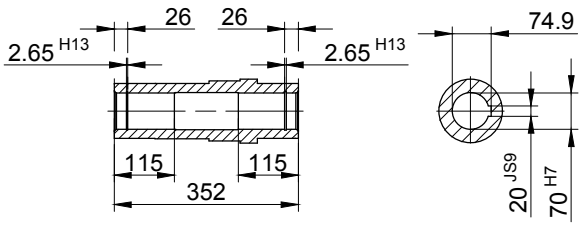
Flange with tapped holes at front
Code -7.V/



Foot with clearance holes at bottom
Code -1.U/



Code -.4/K70



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

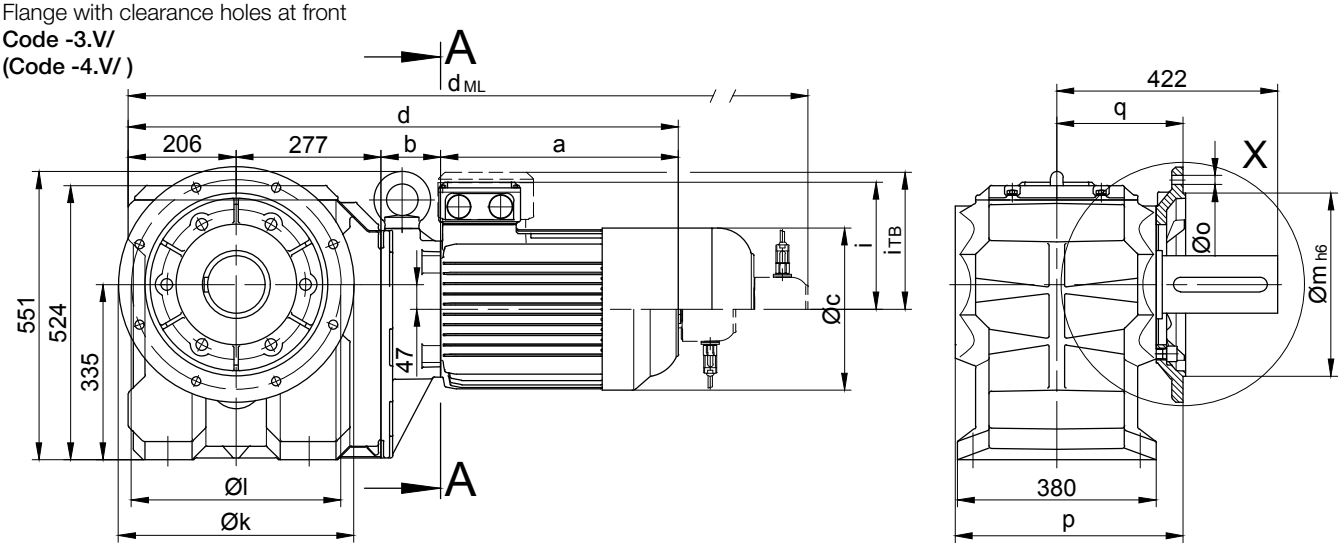
BK-series bevel-geared motors

Dimension - Standard

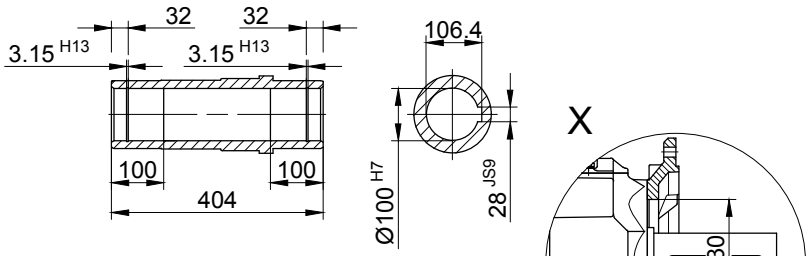
BK80-BK80Z

Flange with clearance holes at front

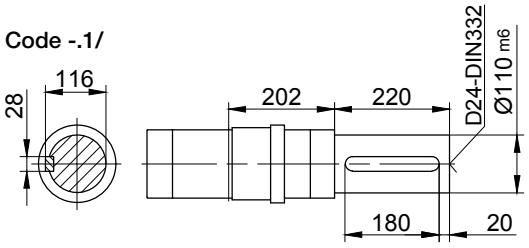
Code -3.V/
(Code -4.V/)



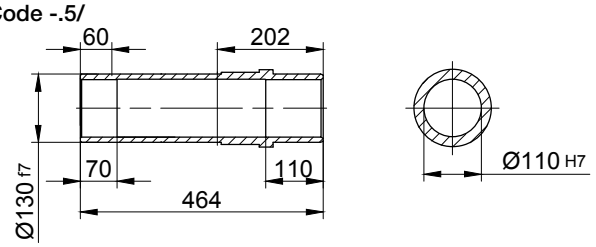
Code -.4/



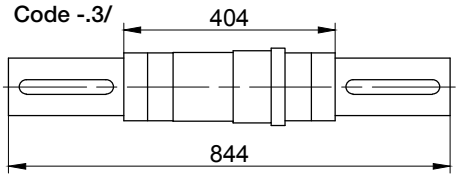
Code -.1/



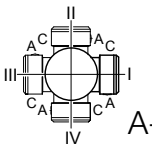
Code -.5/



Code -.3/



Standard



A-A

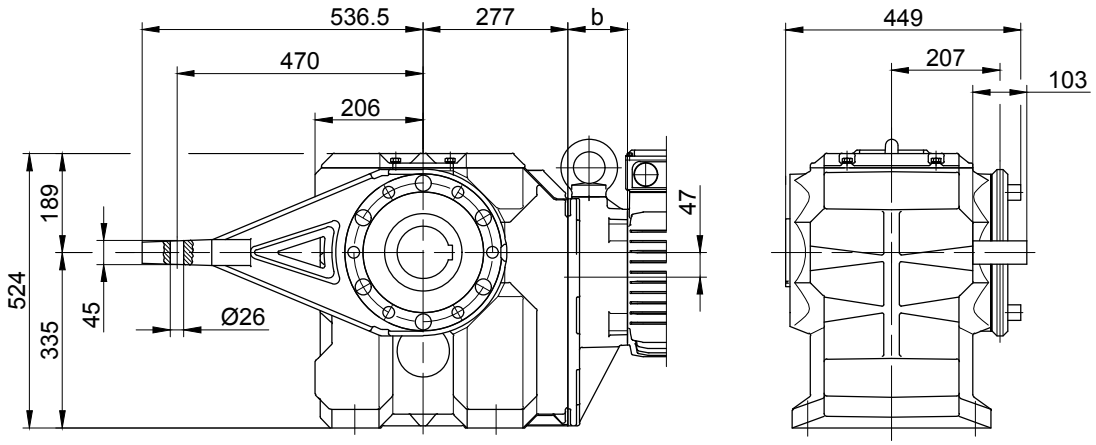
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK80..	Code -3.V/	450	400	350	22	17.5	439	245	5	178	-
BK80..	Code -4.V/	550	500	450	22	17.5	444	250	5	173	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK80Z-../S..09 (S, X)	250.5	252.5	176	986	124	157	1079	1093.5	1183	-
BK80-../S..11 (S, M, L)	319	87	218	889	165	176	987	996.5	1089	-
BK80Z-../S..11 (S, M, L)	319	259	218	1061	165	176	987	1168.5	1261	-
Dimensions in millimetres (mm										

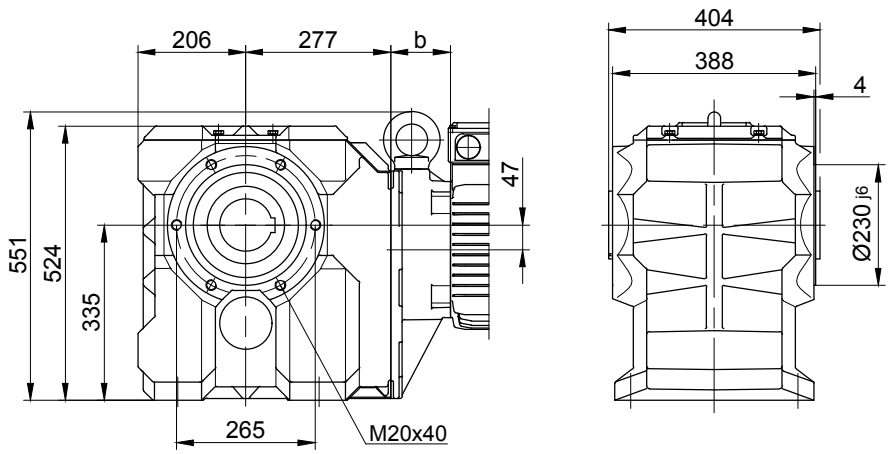
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK80-BK80Z

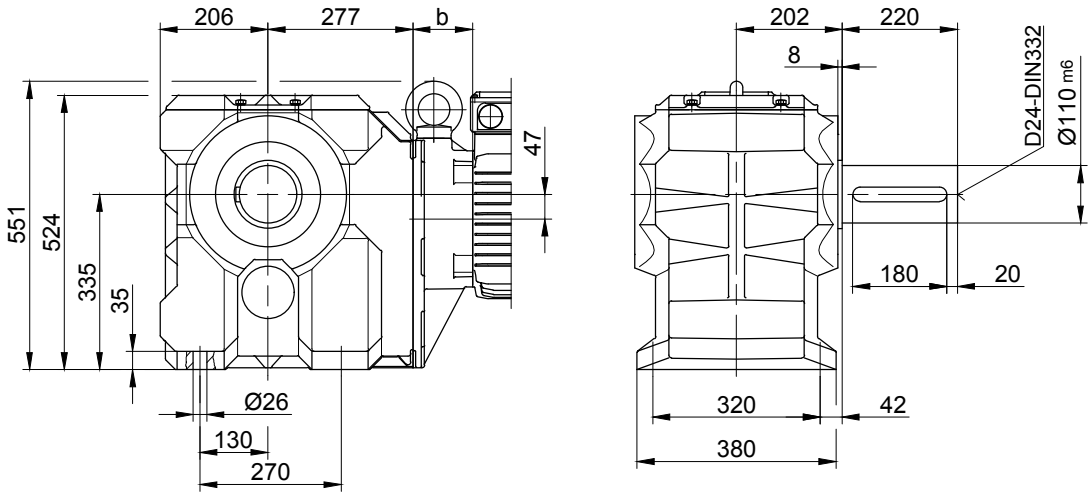
Torque arm at front
Code -5.V/



Flange with tapped holes at front
Code -7.V/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

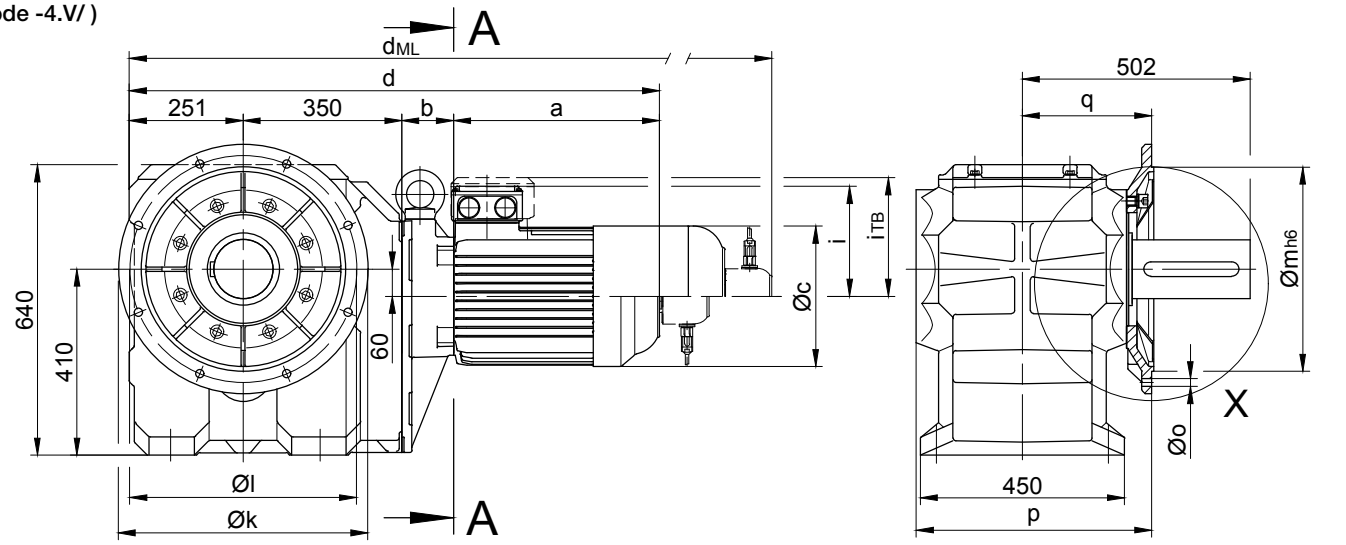
Dimension - Standard

BK90-BK90Z

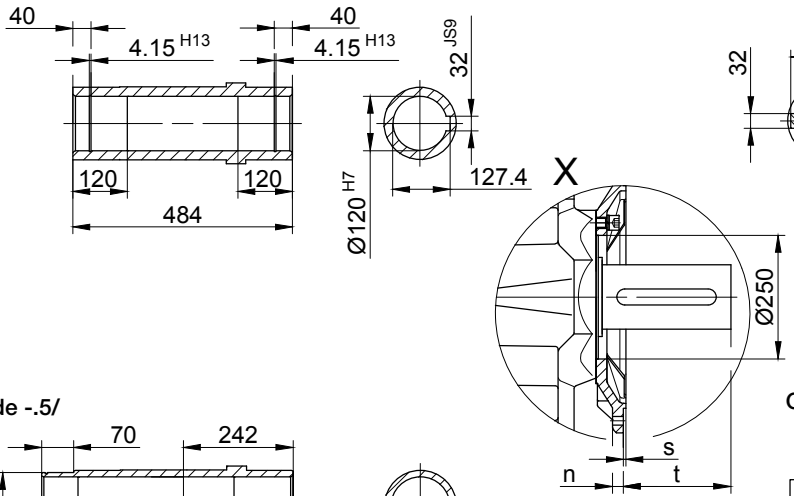
Flange with clearance holes at front

Code -3.V/

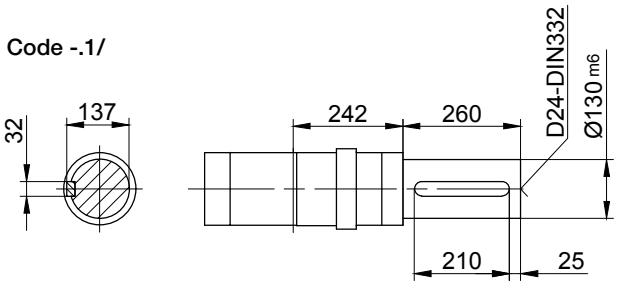
(Code -4.V/)



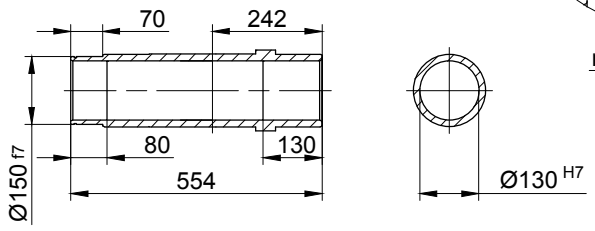
Code -.4/



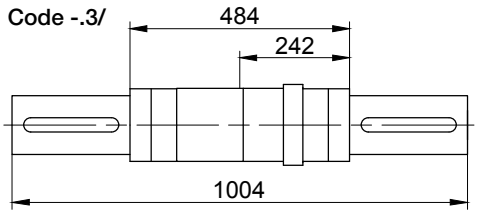
Code -.1/

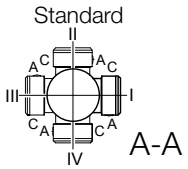


Code -.5/



Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK90..	Code -3.V/	550	500	450	22	17.5	519	285	5	218	-
BK90..	Code -4.V/	660	600	550	25	22	513	279	6	225	-
Dimensions in millimetres (mm)											

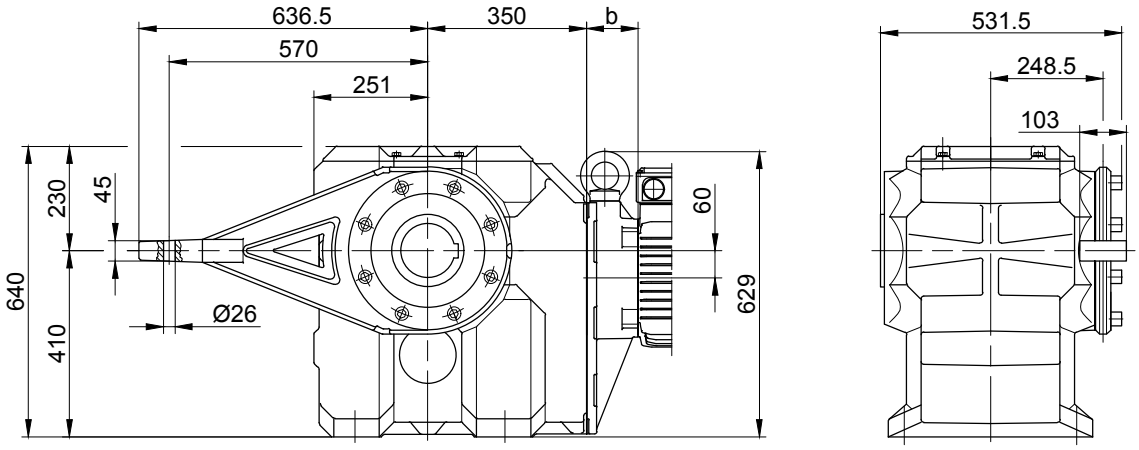
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK90Z-../S..09 (S, X)	250.5	267	176	1118.5	124	157	1211.5	1226	1315.5	-
BK90Z-../S..11 (S, M, L)	319	273.5	218	1193.5	165	176	1291.5	1301	1393.5	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK90-BK90Z

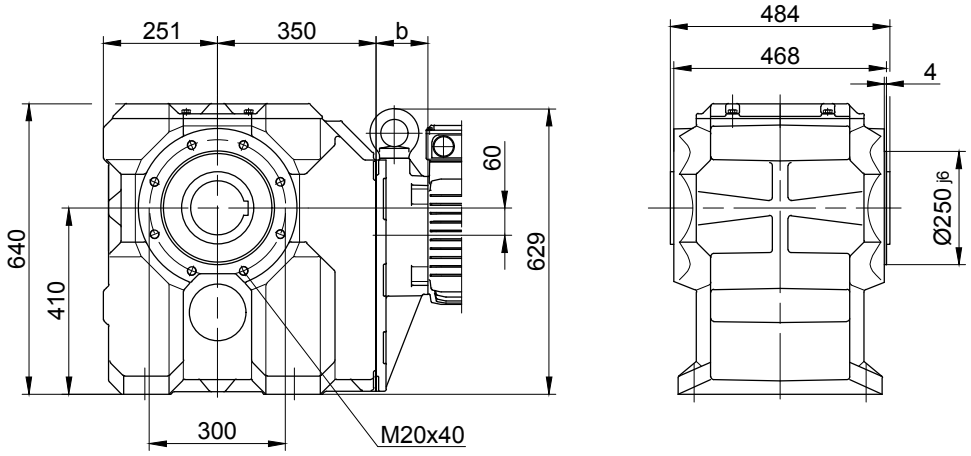
Torque arm at front

Code -5.V/



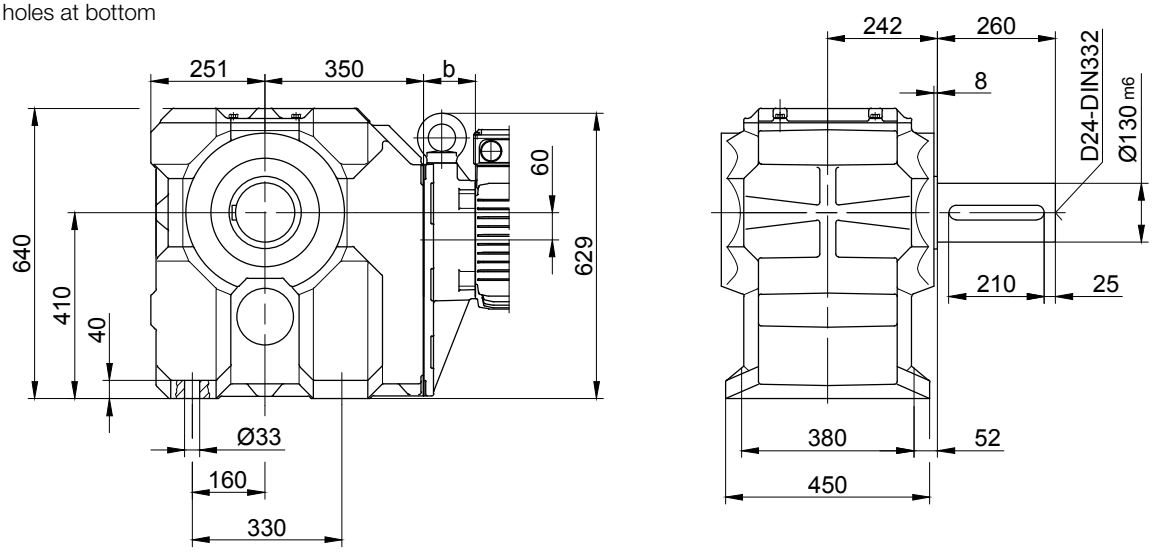
Flange with tapped holes at front

Code -7.V/



Foot with tapped holes at bottom

Code -1.U/



12

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

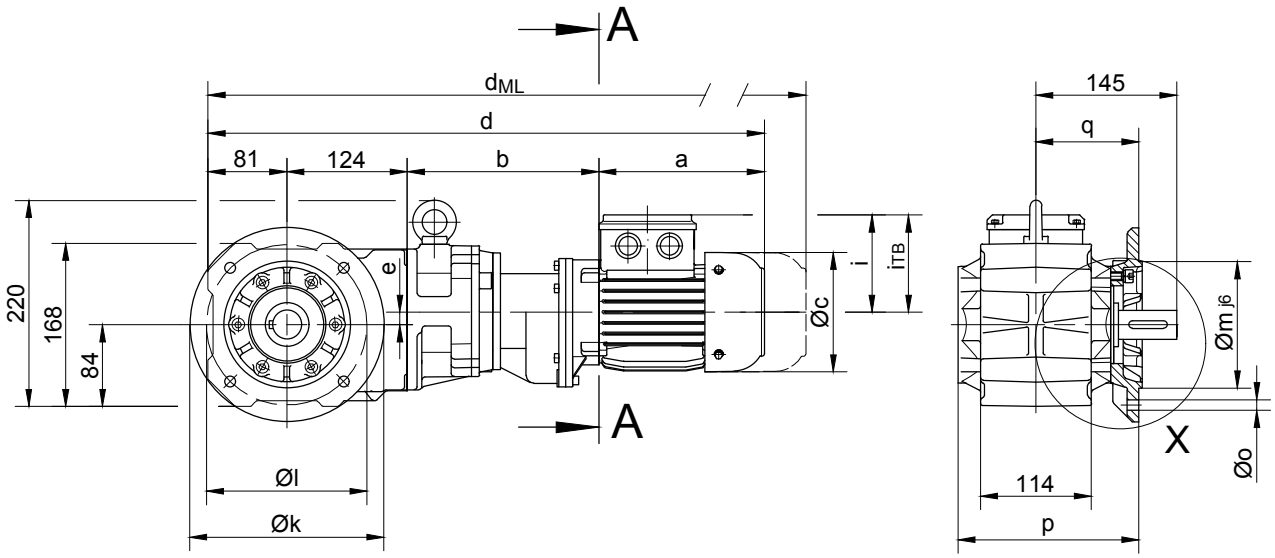
Dimension - Tandem Gearbox

BK10G06

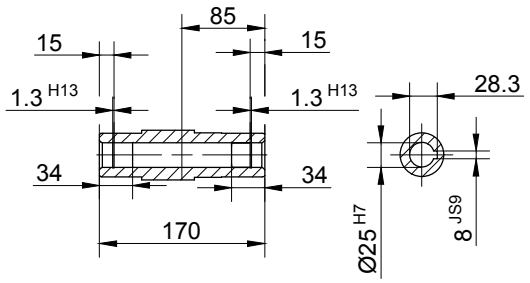
Flange with clearance holes at front

Code -3.V/

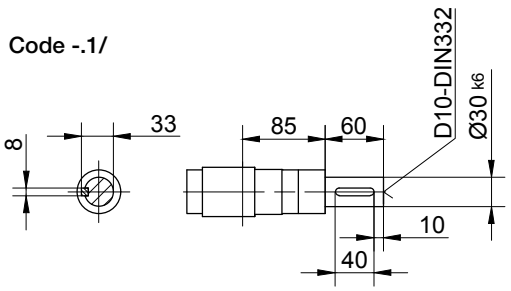
(Code -2.V/)

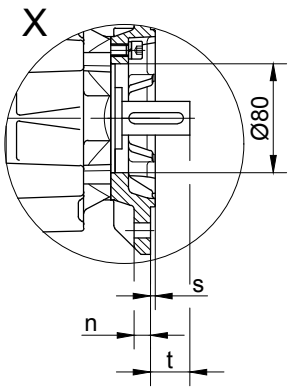


Code -.4/

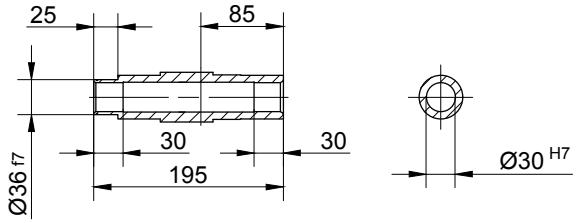


Code -.1/

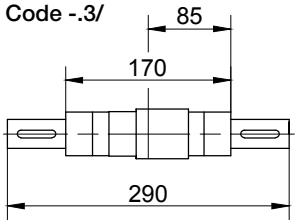


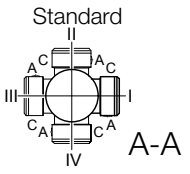


Code -.5/



Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK10..	Code -3.V/	200	165	130	12	11	186,5	106	3,5	39	-
BK10..	Code -2.V/	160	130	110	10	9	179,5	99	3,5	46	-
Dimensions in millimetres (mm)											

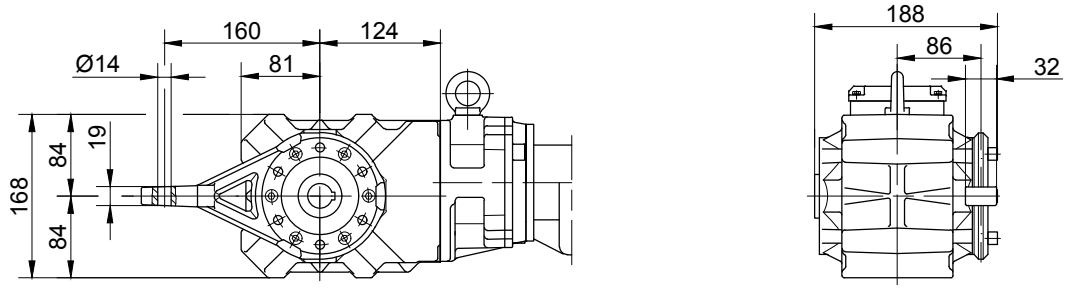
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK10G06-../S04S	142.5	193	110.5	540.5	90	112	584	628	671.5	-
BK10G06-../S..06 (M, L)	170.5	195	123	570.5	99	119	612.5	673	710.5	-
BK10G06-../S..08 (M, L)	199.5	239	156	643.5	114.5	136.5	709.5	755.5	817	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK10G06

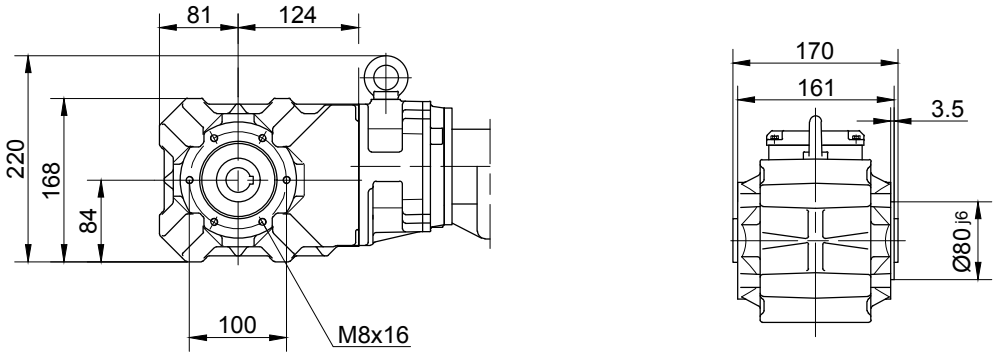
Torque arm at front

Code -5.V/



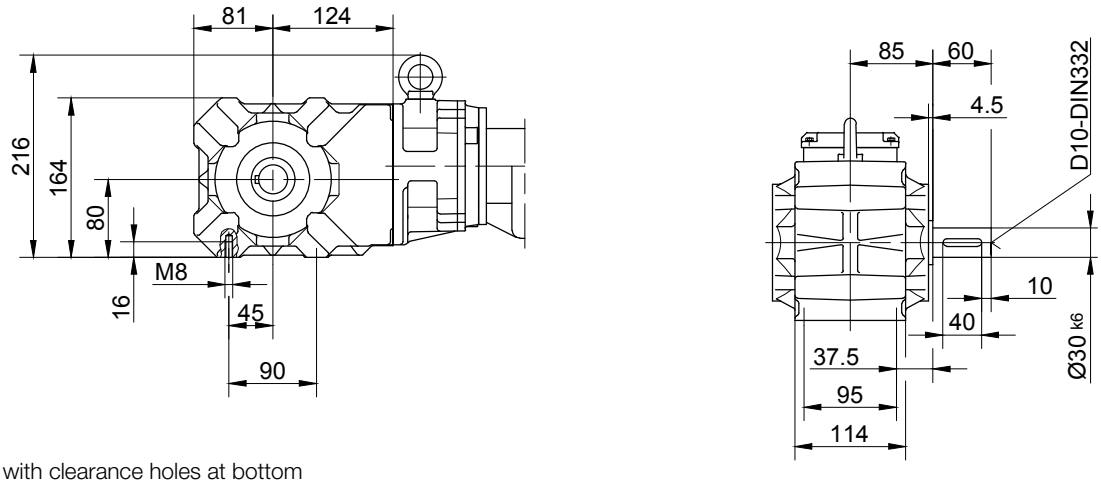
Flange with tapped holes at front

Code -7.V/



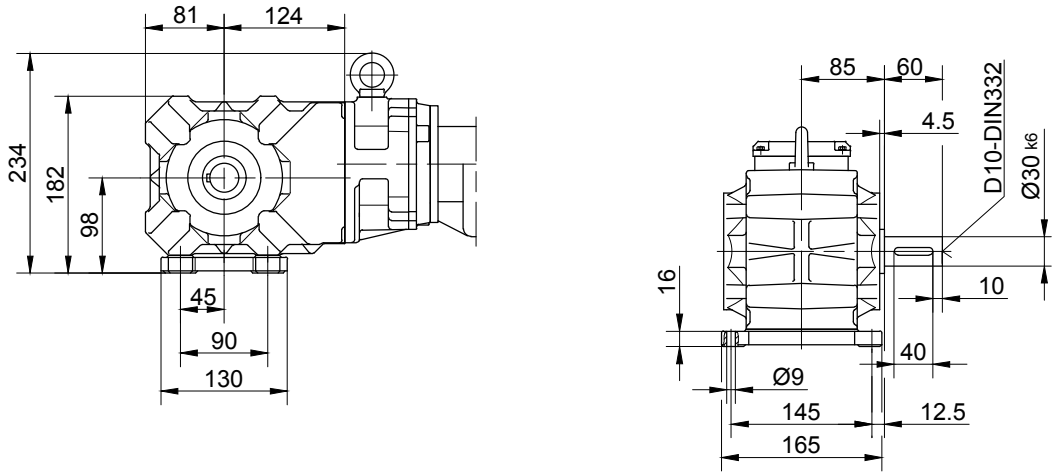
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



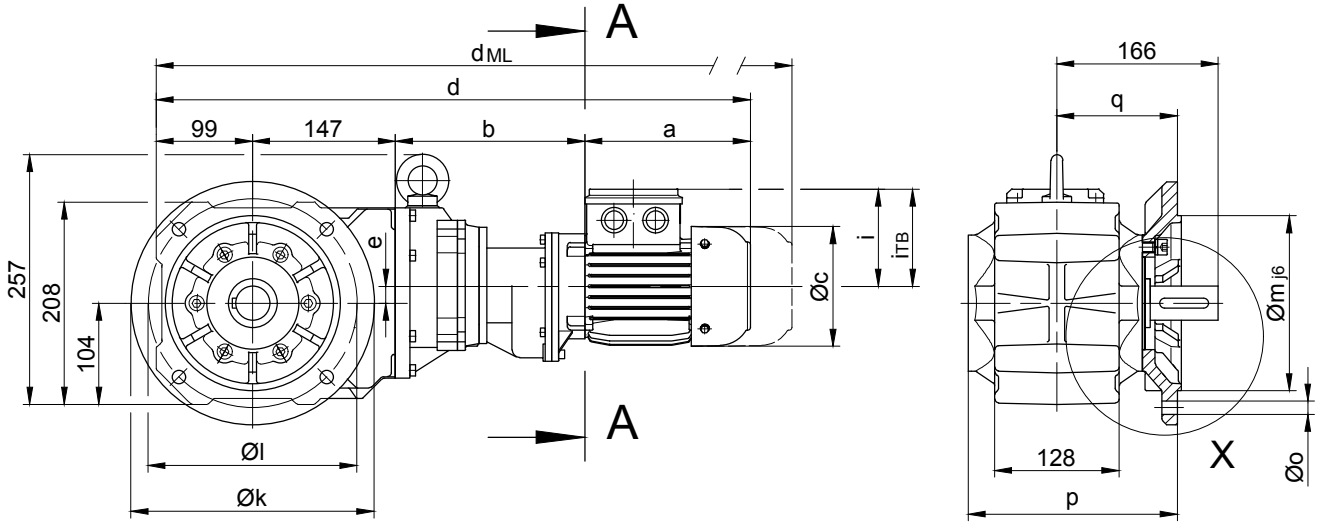
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

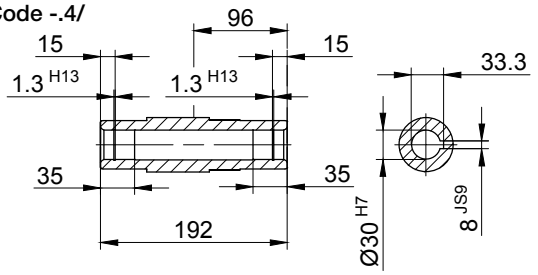
Dimension - Tandem Gearbox

BK20G06

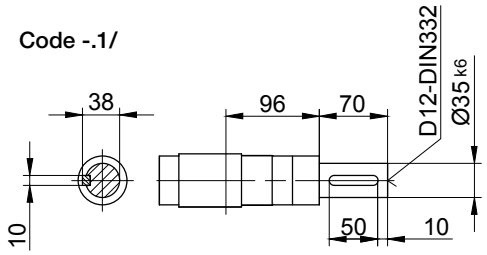
Flange with clearance holes at front
Code -3.V/
(Code -2.V/)



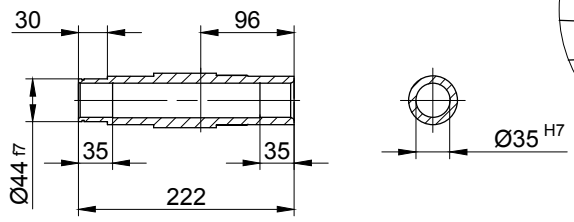
Code -.4/

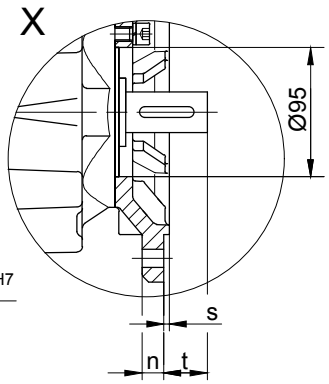


Code -.1/

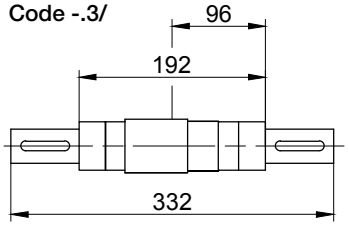


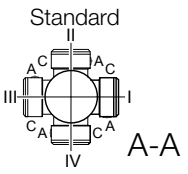
Code -.5/





Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK20..	Code -3.V/	250	215	180	16	13,5	215,5	124	4	42,5	-
BK20..	Code -2.V/	200	165	130	12	11	206,5	115	3,5	51	-
Dimensions in millimetres (mm)											

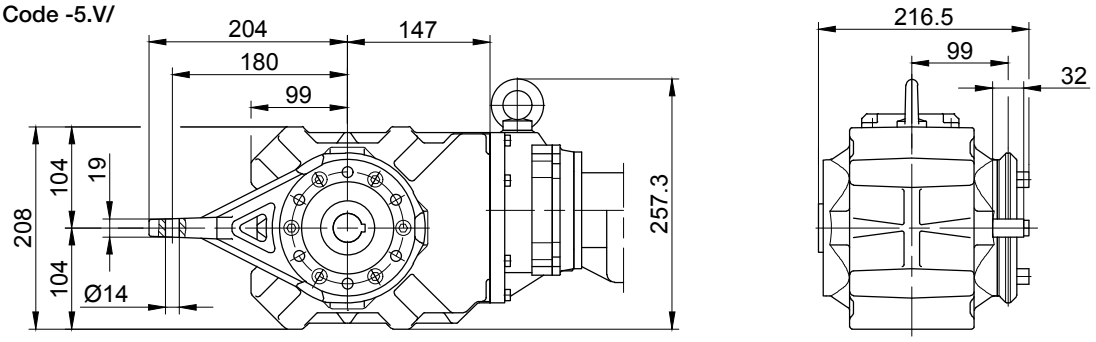
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK20G06-../S04S	142.5	193	110.5	581.5	90	112	625	669	712.5	-
BK20G06-../S..06 (M, L)	170.5	195	123	611.5	99	119	653.5	714	751.5	-
BK20G06-../S..08 (M, L)	199.5	239	156	684.5	114.5	136.5	750.5	796.5	858	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK20G06

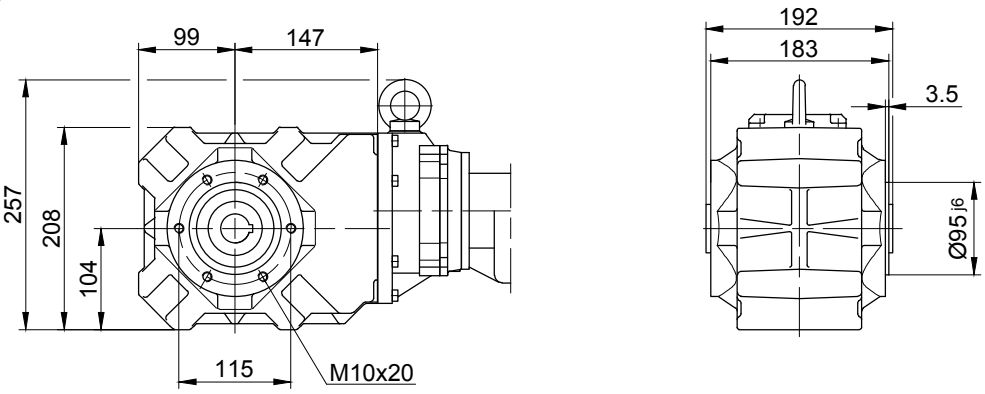
Torque arm at front

Code -5.V/



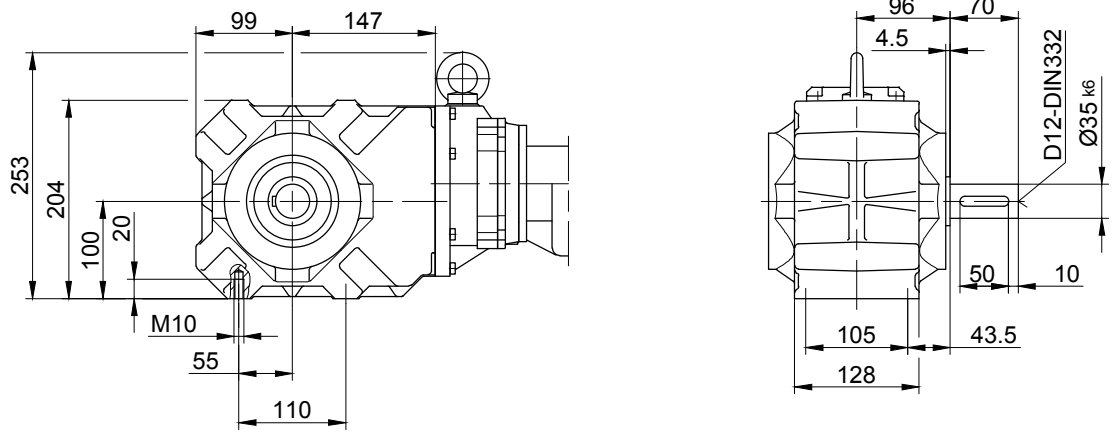
Flange with tapped holes at front

Code -7.V/



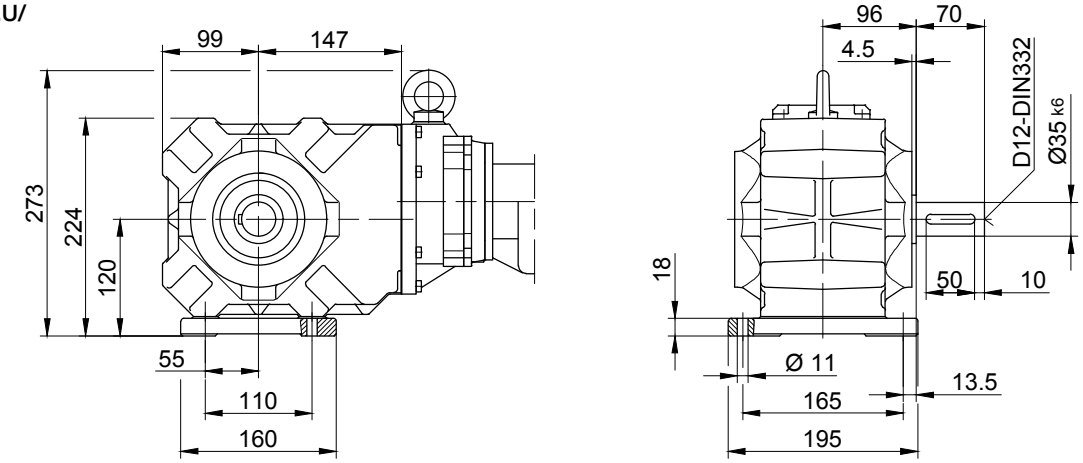
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

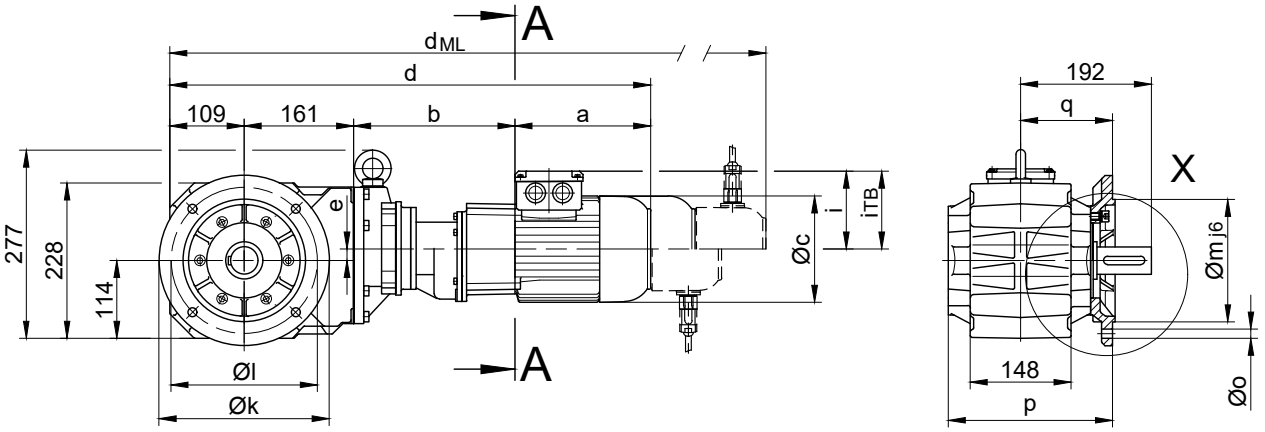
Dimension - Tandem Gearbox

BK30G06

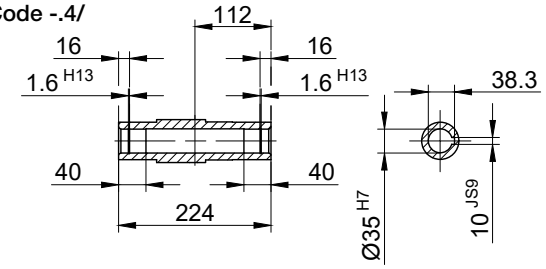
Flange with clearance holes at front

Code -3.V/

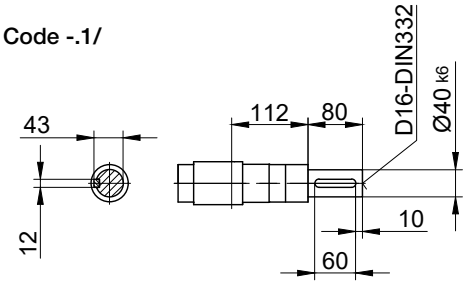
(Code -2.V/)

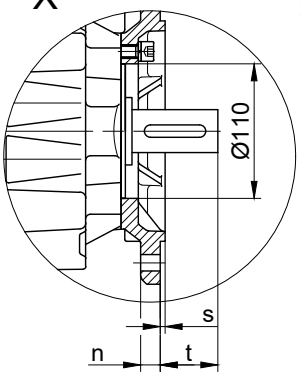


Code -.4/

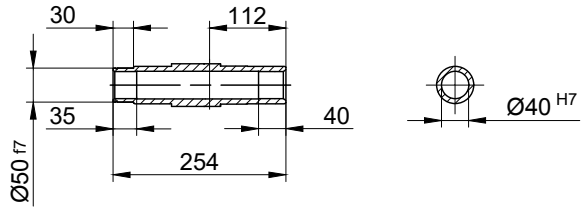


Code -.1/

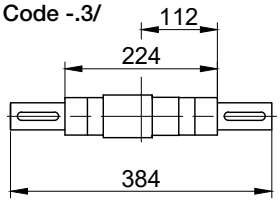


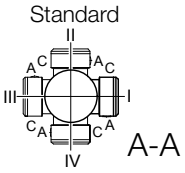


Code -.5/



Code -.3/





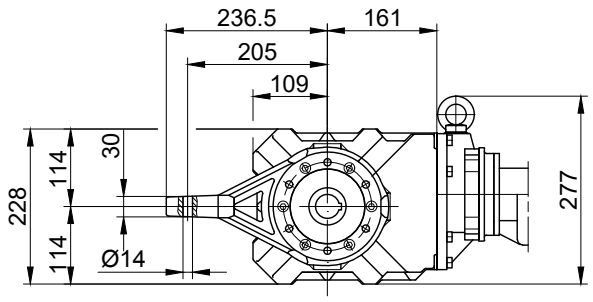
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK30..	Code -3.V/	250	215	180	16	13,5	242	135	4	57	-
BK30..	Code -2.V/	200	165	130	12	11	239	132	3,5	59,5	-
Dimensions in millimetres (mm)											

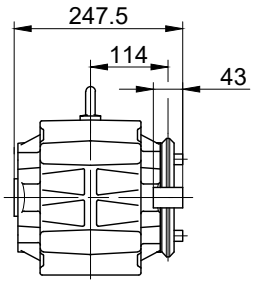
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK30G06-../S04S	142.5	191	110.5	603.5	90	112	647	691	734.5	-
BK30G06-../S..06 (M, L)	170.5	193	123	633.5	99	119	675.5	736	773.5	-
BK30G06-../S..08 (M, L)	199.5	237	156	706.5	114.5	136.5	772.5	818.5	880	-
Dimensions in millimetres (mm										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

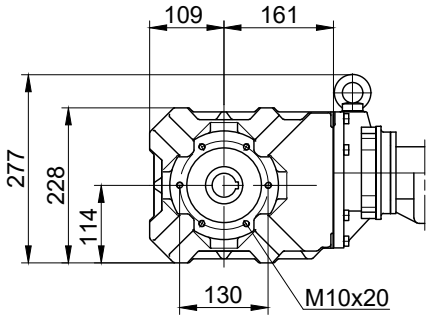
BK30G06

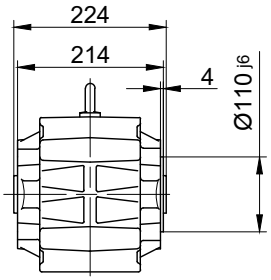
Torque arm at front
Code -5.V/



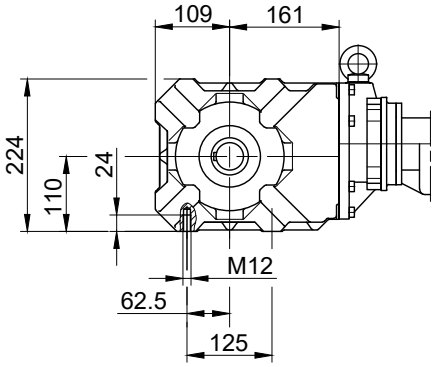


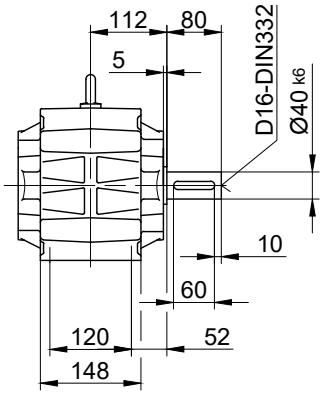
Flange with tapped holes at front
Code -7.V/



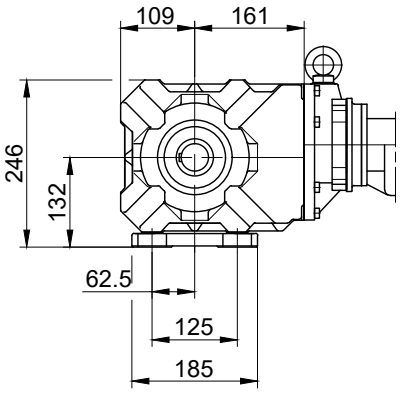


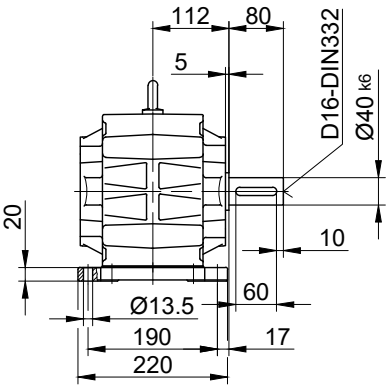
Foot with tapped holes at bottom
Code -6.U/





Foot with clearance holes at bottom
Code -1.U/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

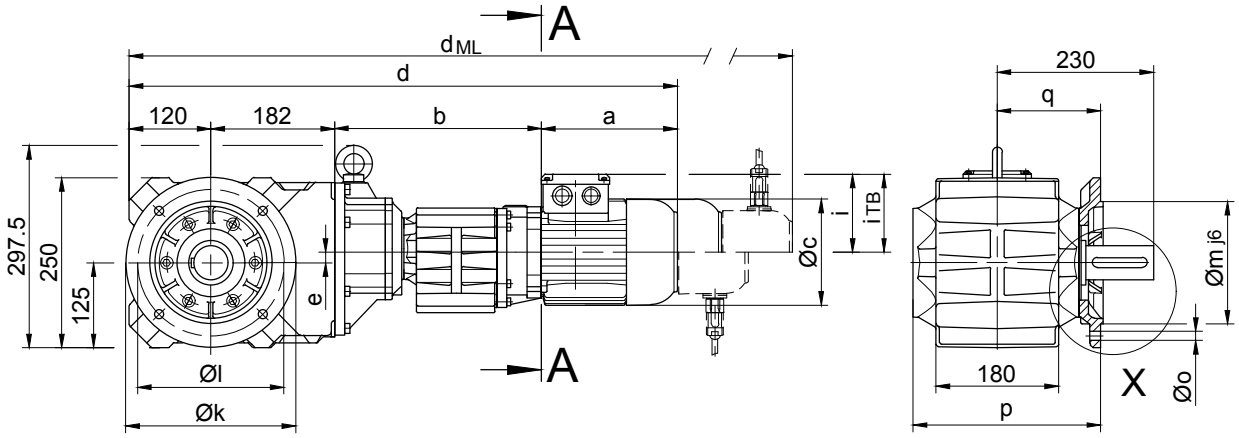
Dimension - Tandem Gearbox

BK40G10

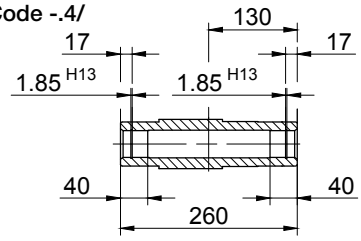
Flange with clearance holes at front

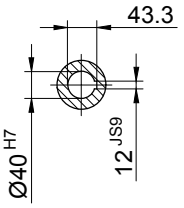
Code -3.V/

(Code -4.V/)

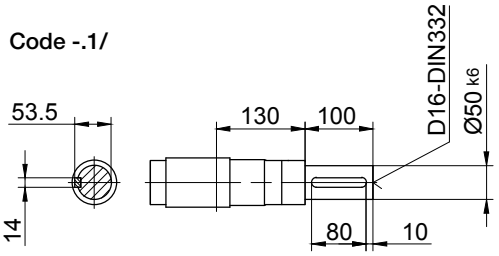


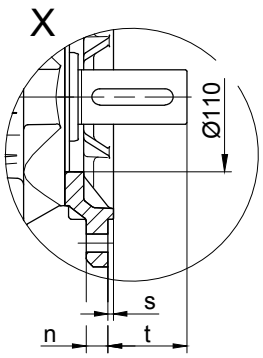
Code -.4/



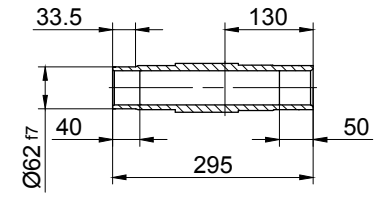


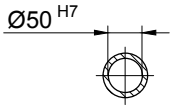
Code -.1/



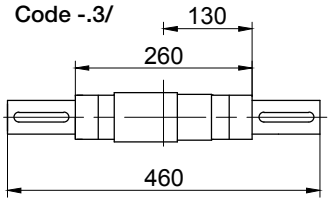


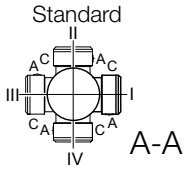
Code -.5/





Code -.3/





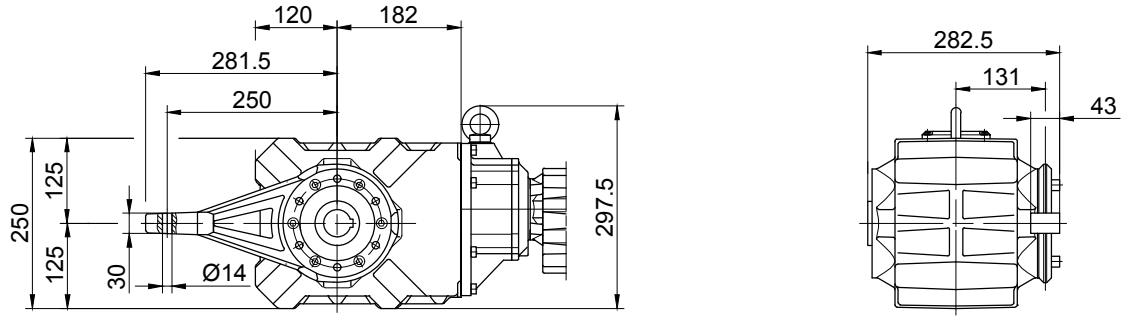
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK40..	Code -3.V/	250	215	180	16	13,5	276	152	4	78	-
BK40..	Code -4.V/	300	265	230	20	13,5	282	158	4	72	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK40G10-../S..06 (M, L)	170.5	300	123	772.5	99	119	814.5	875	912.5	-
BK40G10-../S..08 (M, L)	199.5	304	156	805.5	114.5	136.5	871.5	917.5	979	-
BK40G10-../S..09 (S, X)	250.5	318.5	176	871	124	157	964	978.5	1068	-
Dimensions in millimetres (mm										

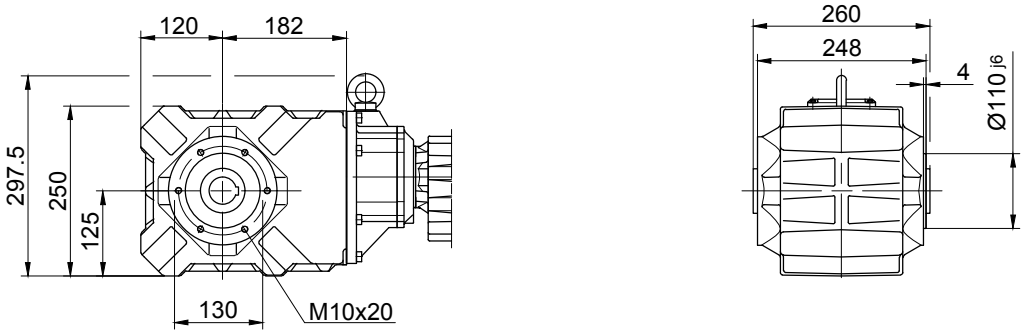
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK40G10

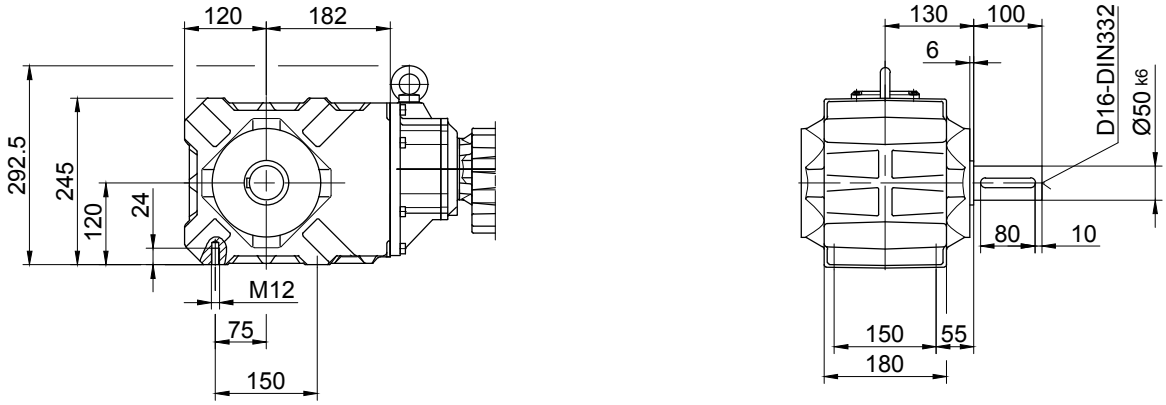
Torque arm at front
Code -5.V/



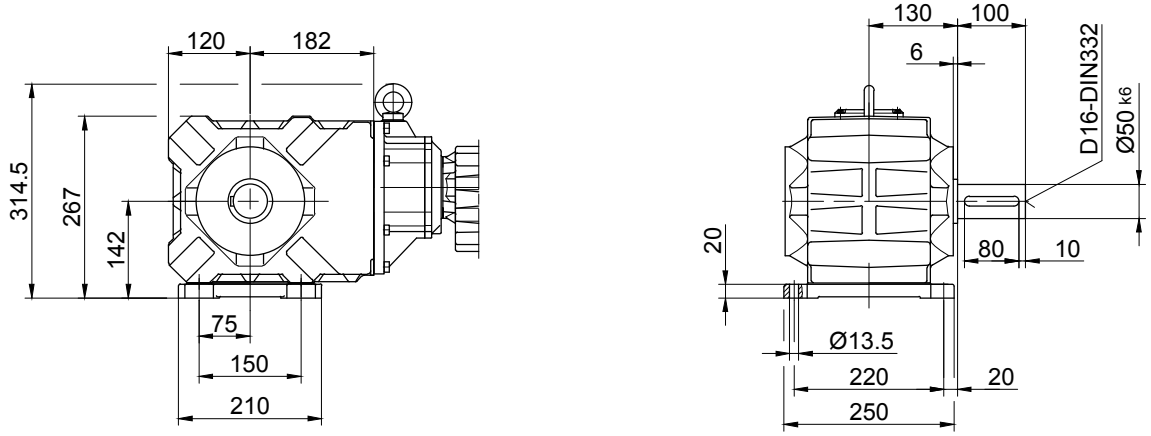
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

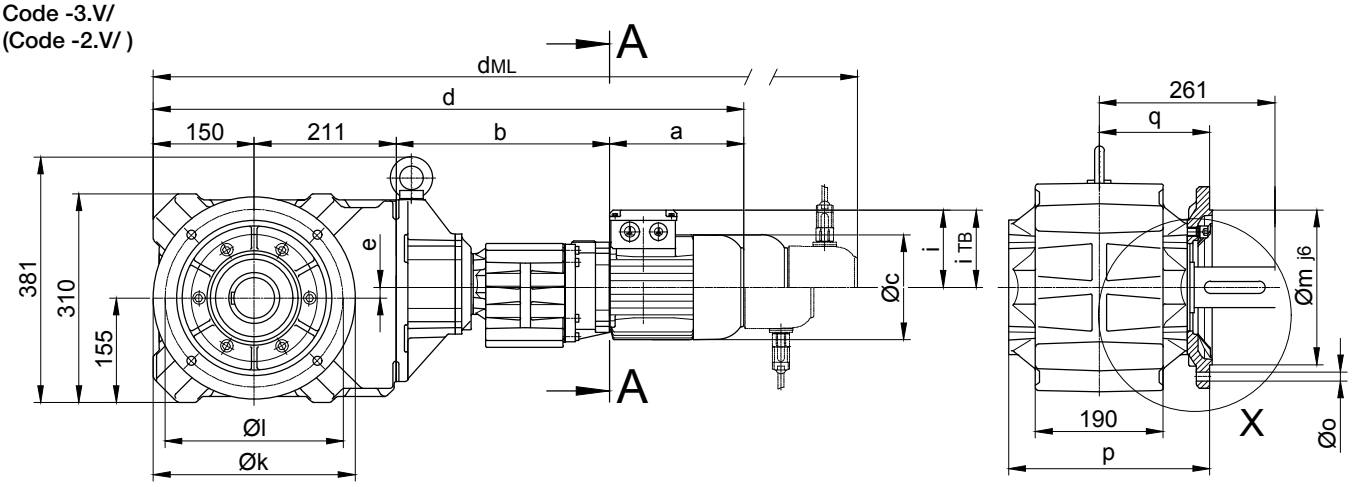
Dimension - Tandem Gearbox

BK50G10

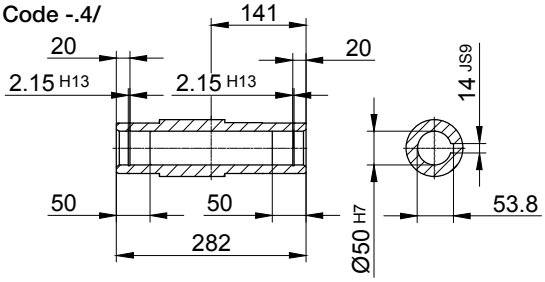
Flange with clearance holes at front

Code -3.V/

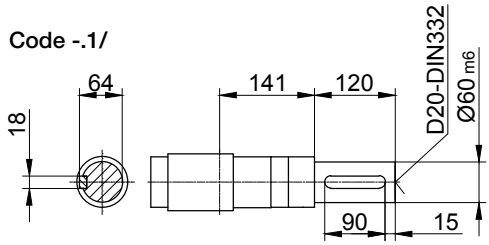
(Code -2.V/)

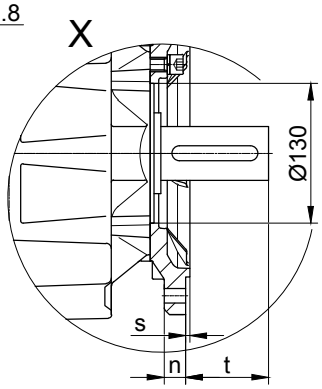


Code -.4/

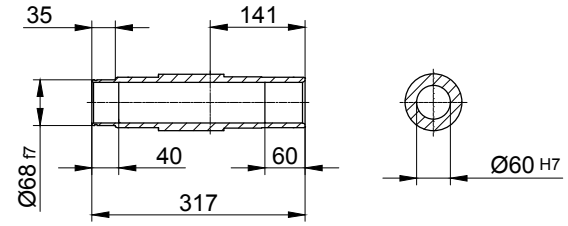


Code -.1/

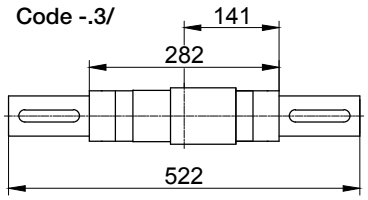


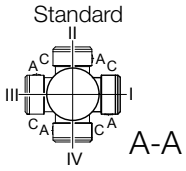


Code -.5/



Code -.3/





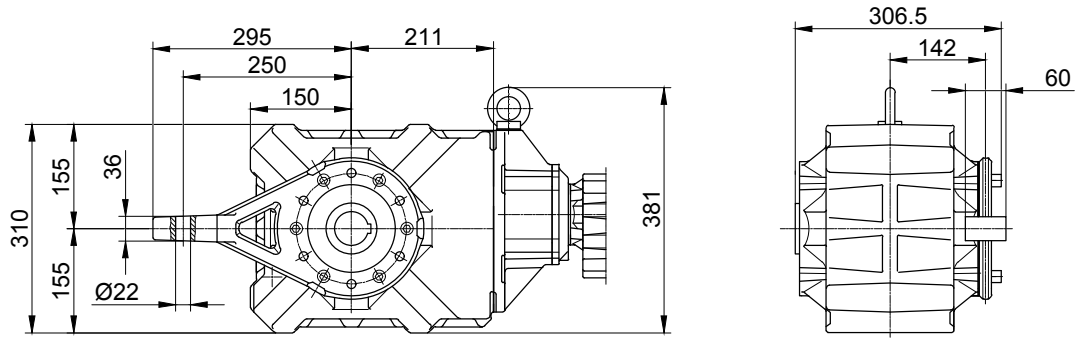
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK50..	Code -3.V/	300	265	230	20	13,5	299	164	4	97	-
BK50..	Code -2.V/	250	215	180	16	13,5	296	161	4	100	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK50G10-../S..06 (M, L)	170.5	313	123	844.5	99	119	886.5	947	984.5	-
BK50G10-../S..08 (M, L)	199.5	317	156	877.5	114.5	136.5	943.5	989.5	1051	-
BK50G10-../S..09 (S, X)	250.5	331.5	176	943	124	157	1036	1050.5	1140	-
Dimensions in millimetres (mm										

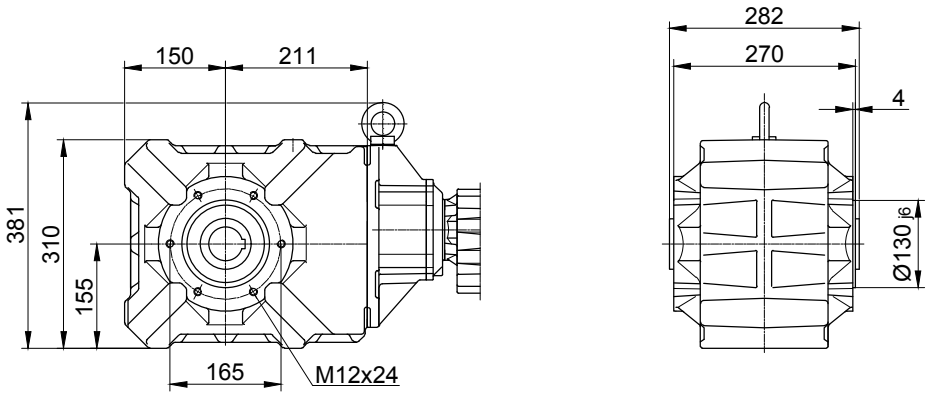
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK50G10

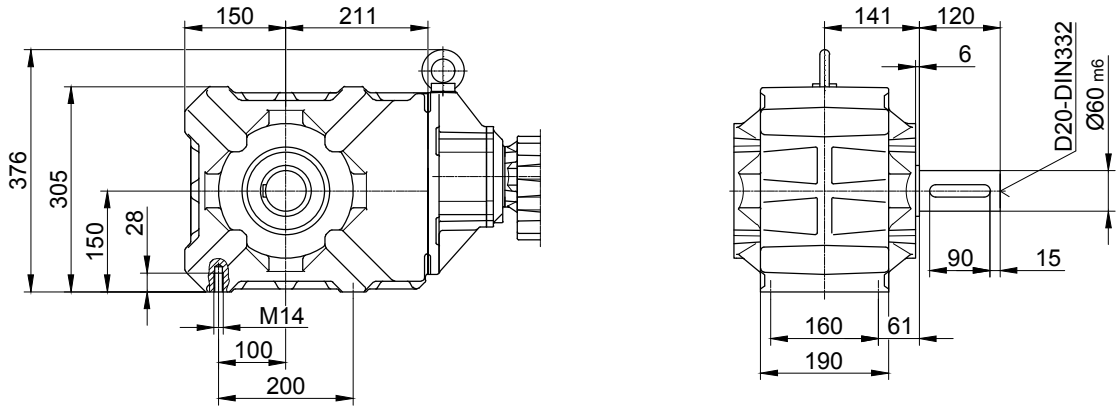
Torque arm at front
Code -5.V/



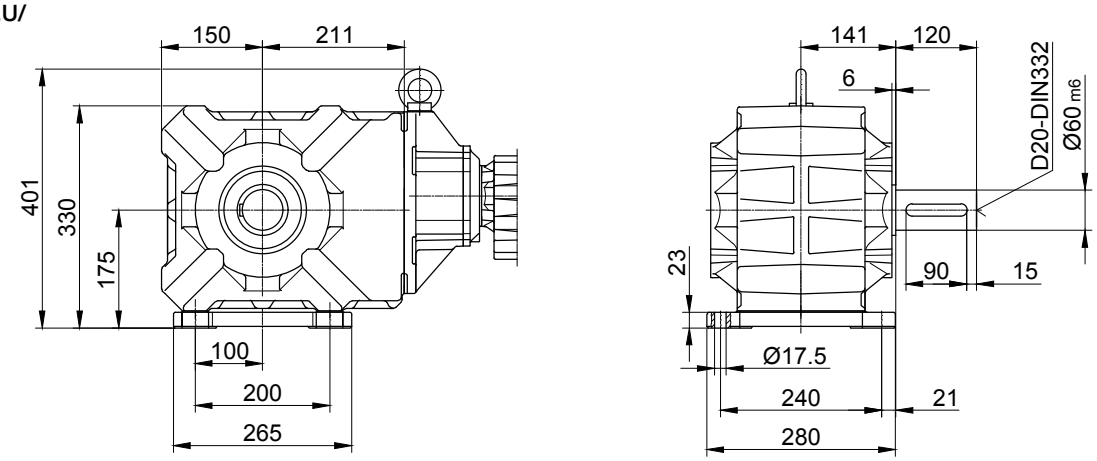
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

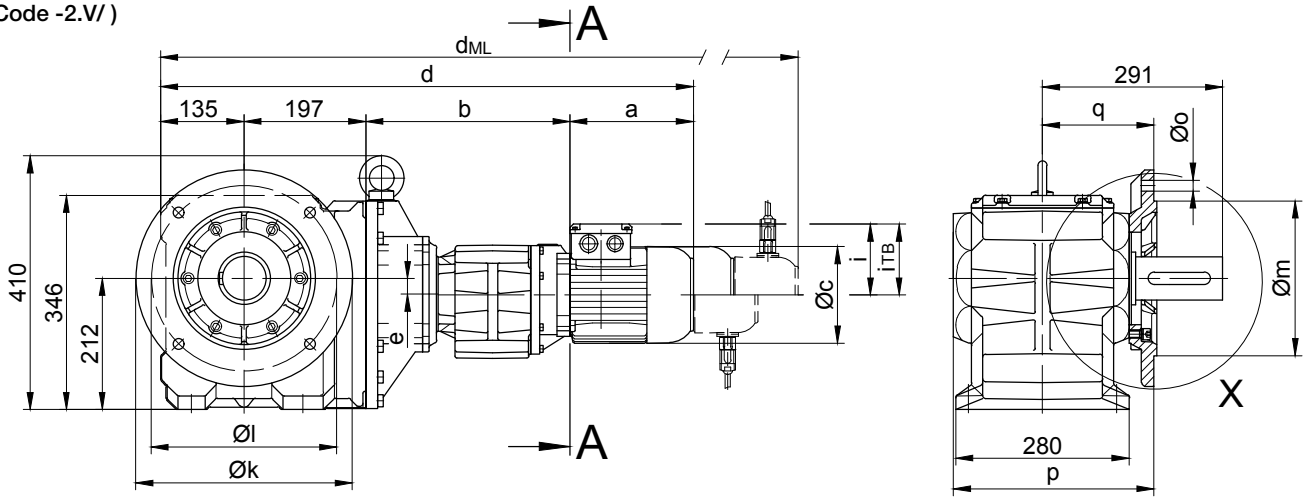
Dimension - Tandem Gearbox

BK60G20

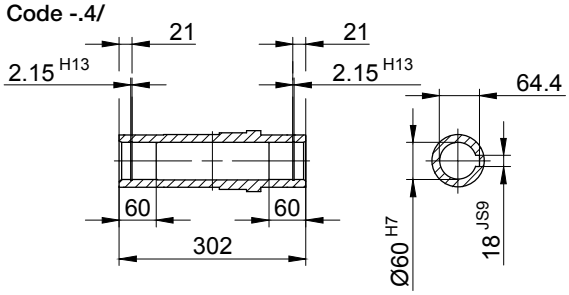
Flange with clearance holes at front

Code -3.V/

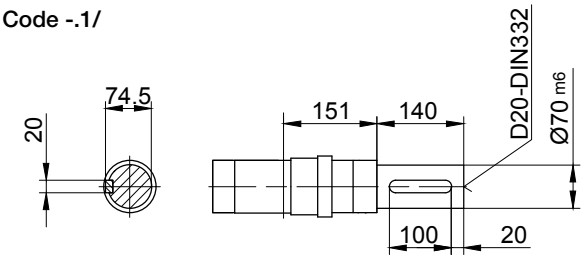
(Code -2.V/)

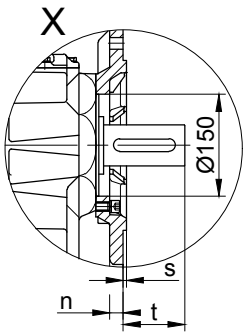


Code -.4/

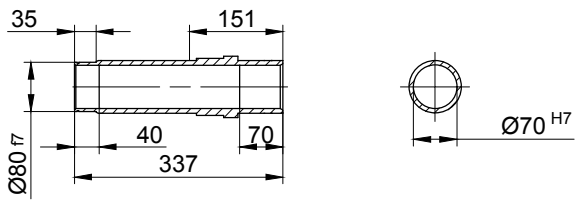


Code -.1/

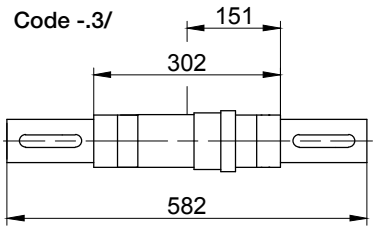


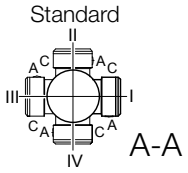


Code -.5/



Code -.3/





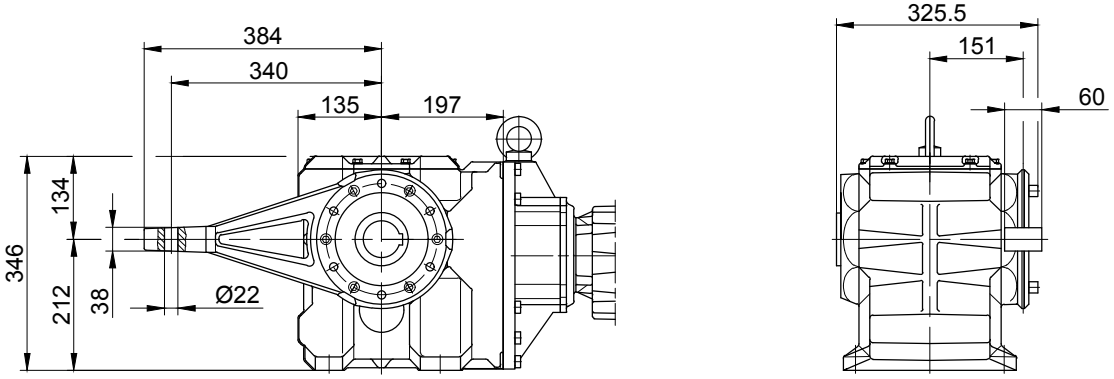
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK60..	Code -3.V/	350	300	250	20	17,5	324	180	5	112	-
BK60..	Code -2.V/	300	265	230	20	13,5	332	188	4	103	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK60G20-../S..06 (M, L)	170.5	326	123	828.5	99	119	870.5	931	968.5	-
BK60G20-../S..08 (M, L)	199.5	330	156	861.5	114.5	136.5	927.5	973.5	1035	-
BK60G20-../S..09 (S, X)	250.5	344.5	176	927	124	157	1020	1034.5	1124	-
Dimensions in millimetres (mm										

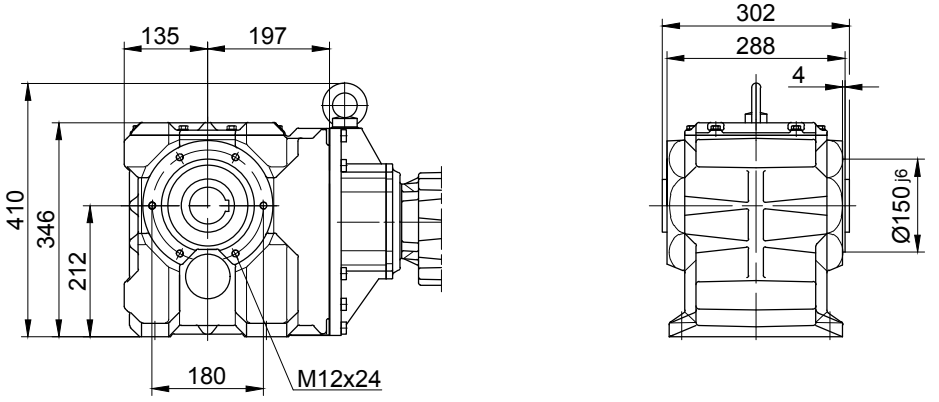
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK60G20

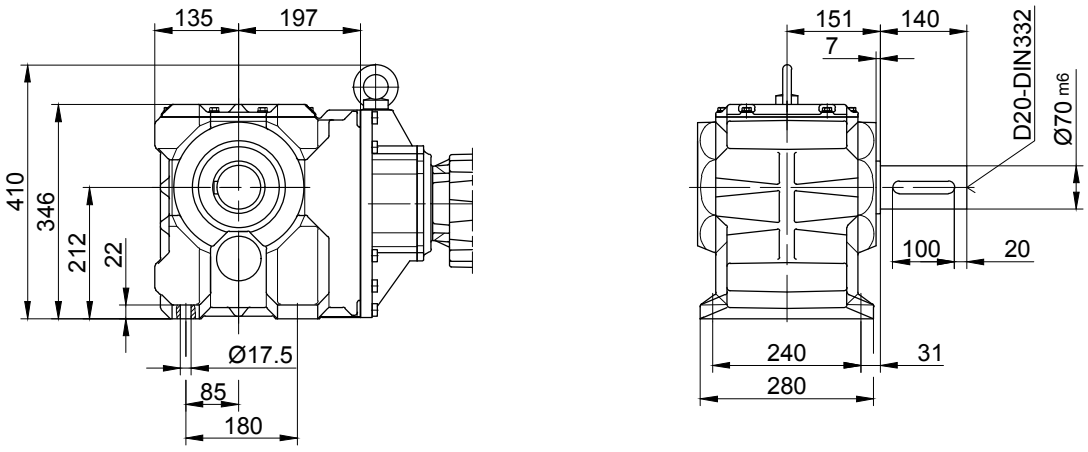
Torque arm at front
Code -5.V/



Flange with tapped holes at front
Code -7.V/



Foot with clearance holes at bottom
Code -1.U/



12

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

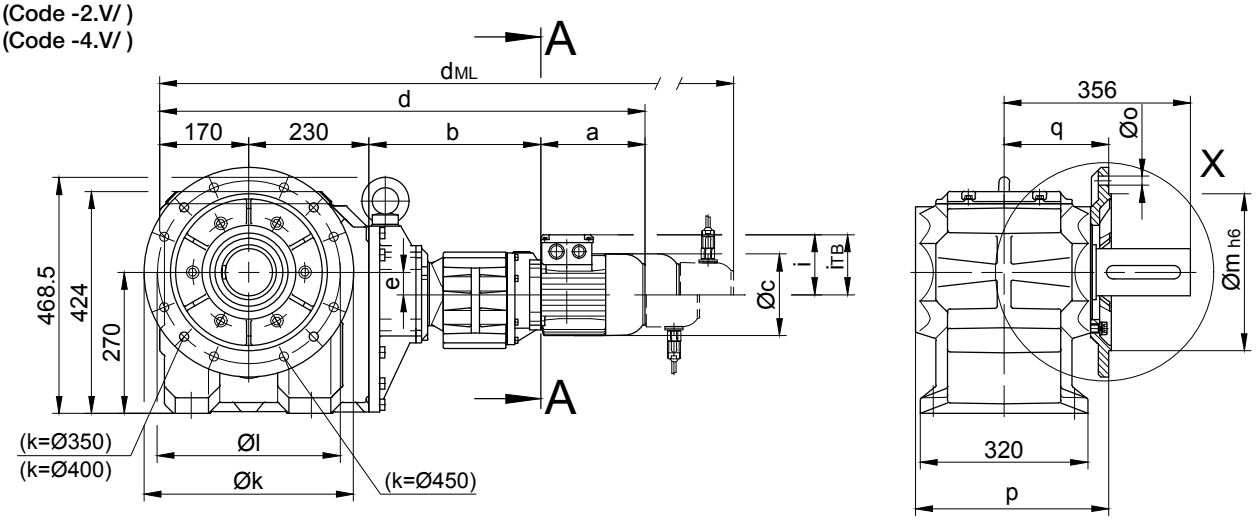
BK-series bevel-geared motors

Dimension - Tandem Gearbox

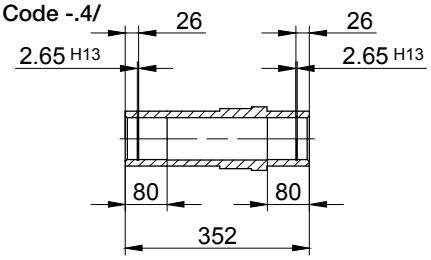
BK70G20

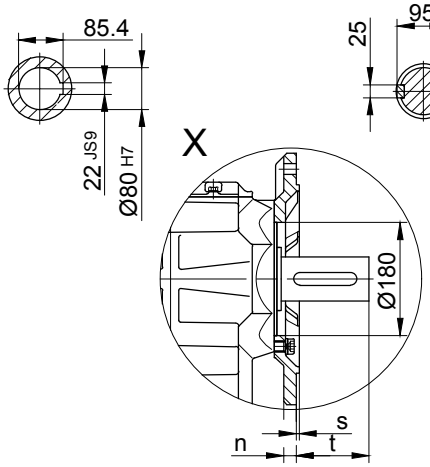
Flange with clearance holes at front

Code -3.V/
(Code -2.V/)
(Code -4.V/)

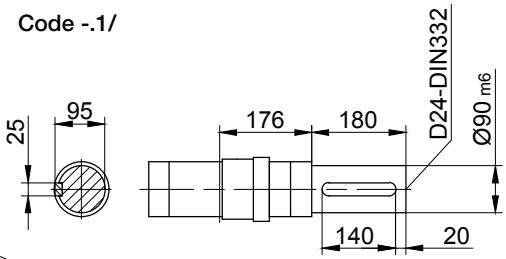


Code -.4/

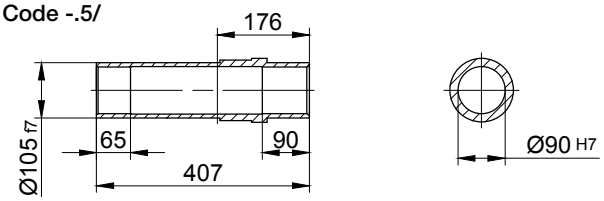




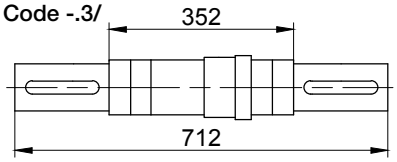
Code -.1/

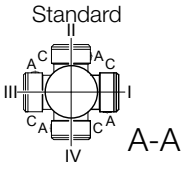


Code -.5/



Code -.3/





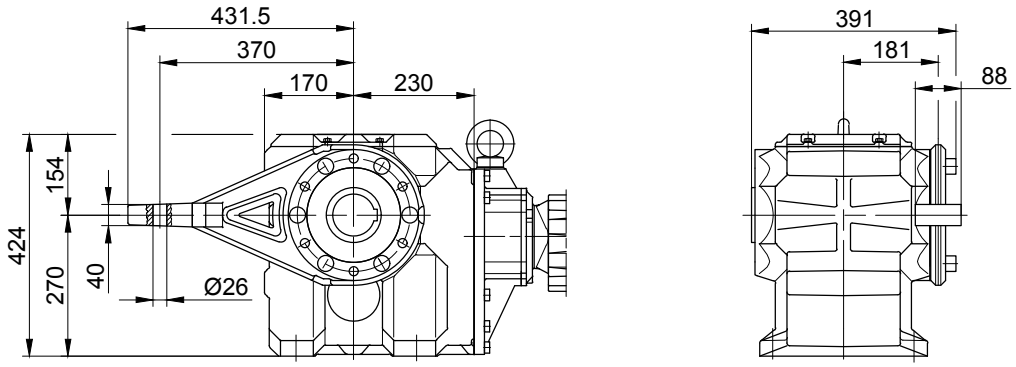
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK70..	Code -3.V/	400	350	300	20	17,5	369	200	5	157	-
BK70..	Code -2.V/	350	300	250	20	17,5	369	200	5	157	-
BK70..	Code -4.V/	450	400	350	22	17,5	379	210	5	147	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK70G20-../S..06 (M, L)	170.5	326	123	896.5	99	119	938.5	999	1036.5	-
BK70G20-../S..08 (M, L)	199.5	330	156	929.5	114.5	136.5	995.5	1041.5	1103	-
BK70G20-../S..09 (S, X)	250.5	344.5	176	995	124	157	1088	1102.5	1192	-
Dimensions in millimetres (mm										

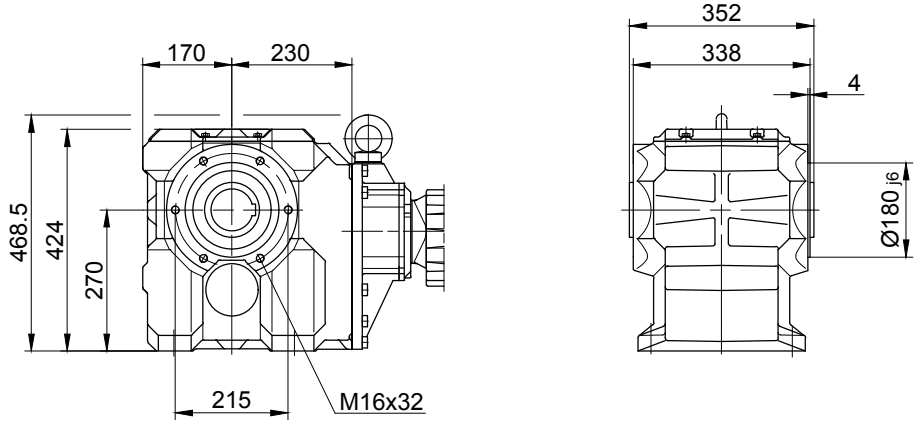
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK70G20

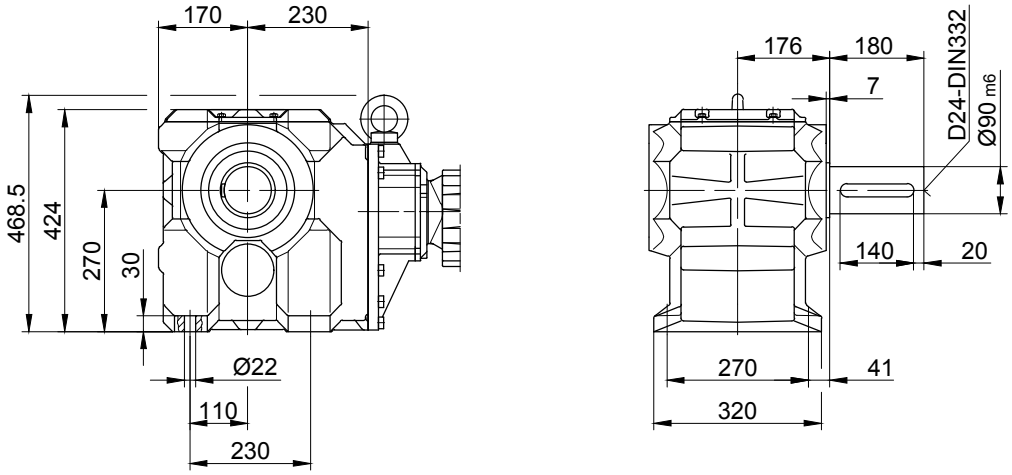
Torque arm at front
Code -5.V/



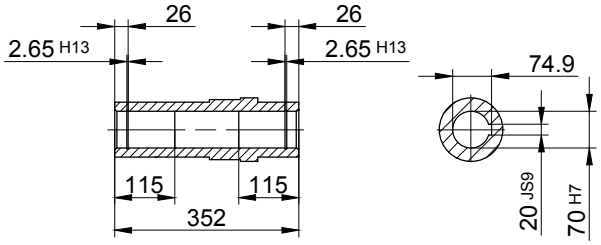
Flange with tapped holes at front
Code -7.V/



Foot with clearance holes at bottom
Code -1.U/



Code -.4/K70



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

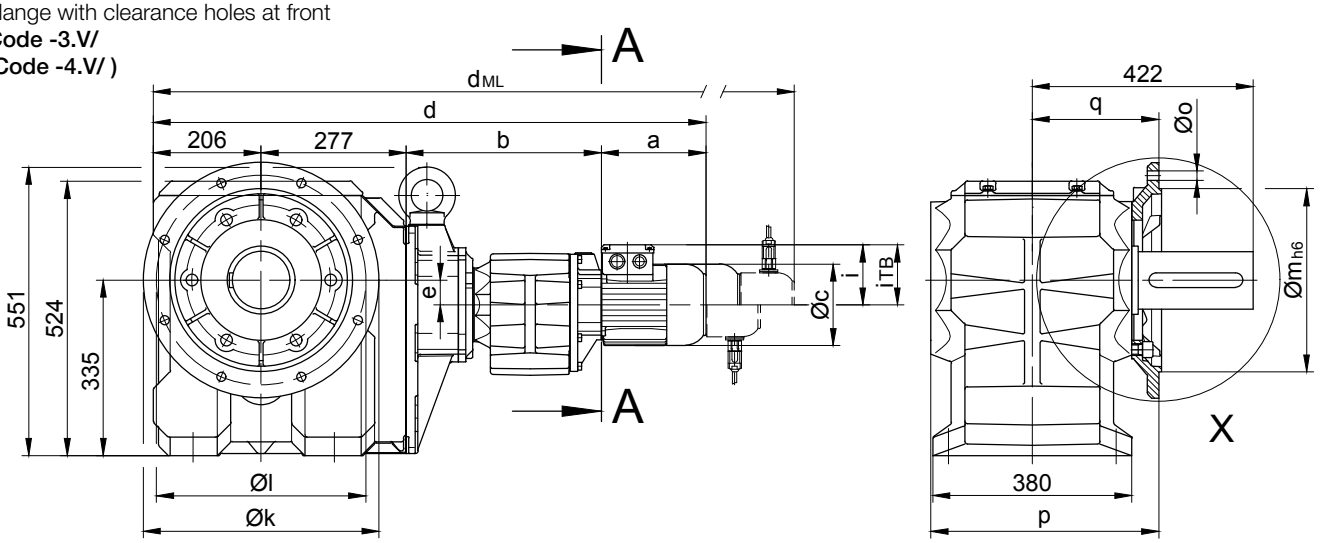
BK-series bevel-geared motors

Dimension - Tandem Gearbox

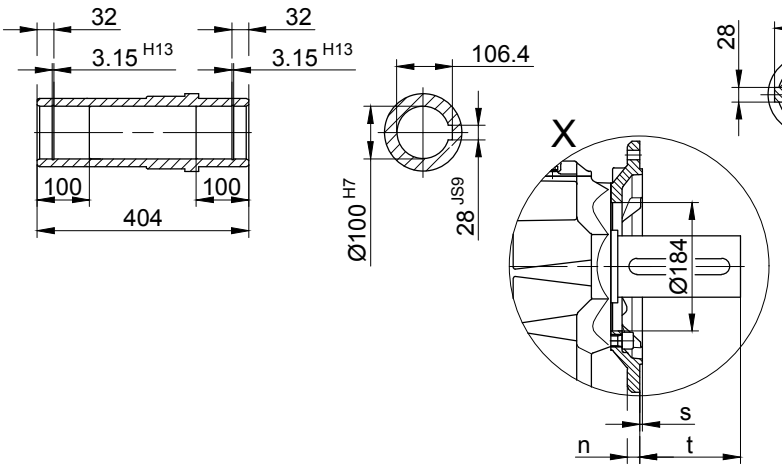
BK80G40

Flange with clearance holes at front

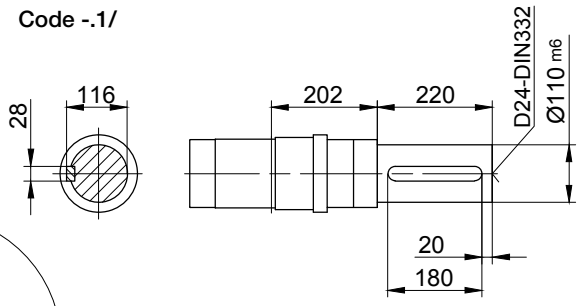
Code -3.V/
(Code -4.V/)



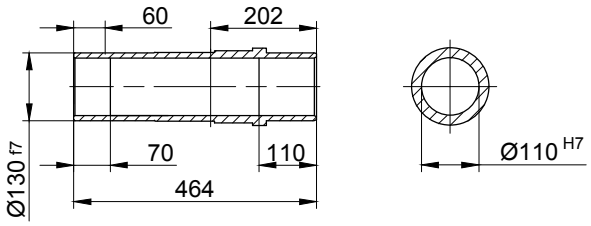
Code -.4/



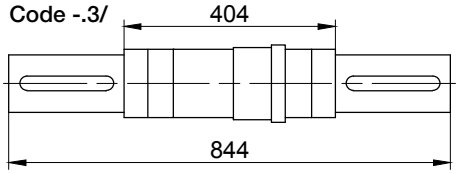
Code -.1/

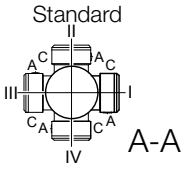


Code -.5/



Code -.3/





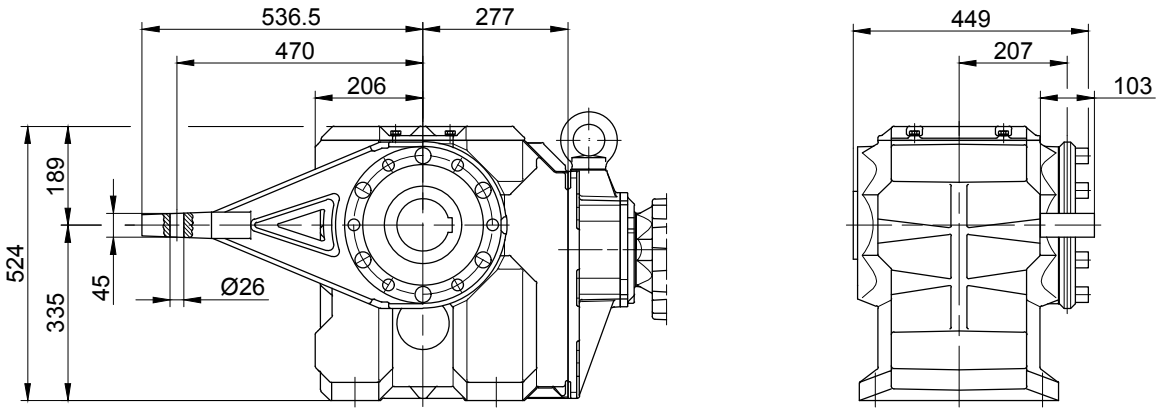
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK80..	Code -3.V/	450	400	350	22	17,5	439	245	5	178	-
BK80..	Code -4.V/	550	500	450	22	17,5	444	250	5	173	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK80G40-../S..08 (M, L)	199.5	357	156	1039.5	114.5	136.5	1105.5	1151.5	1213	-
BK80G40-../S..09 (S, X)	250.5	371.5	176	1105	124	157	1198	1212.5	1302	-
BK80G40-../S..11 (S, M, L)	319	378	218	1180	165	176	1278	1287.5	1380	-
Dimensions in millimetres (mm										

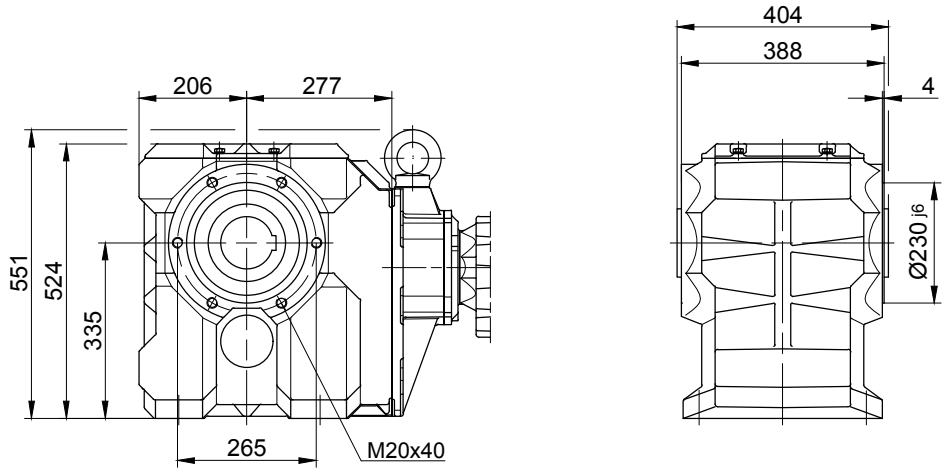
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK80G40

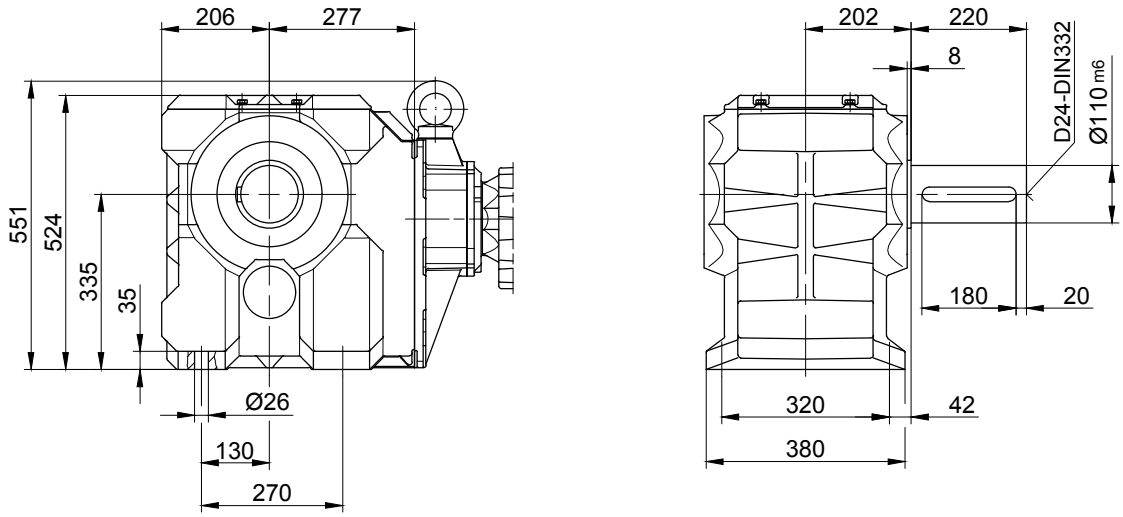
Torque arm at front
Code -5.V/



Flange with tapped holes at front
Code -7.V/



Foot with clearance holes at bottom
Code -1.U/



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The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

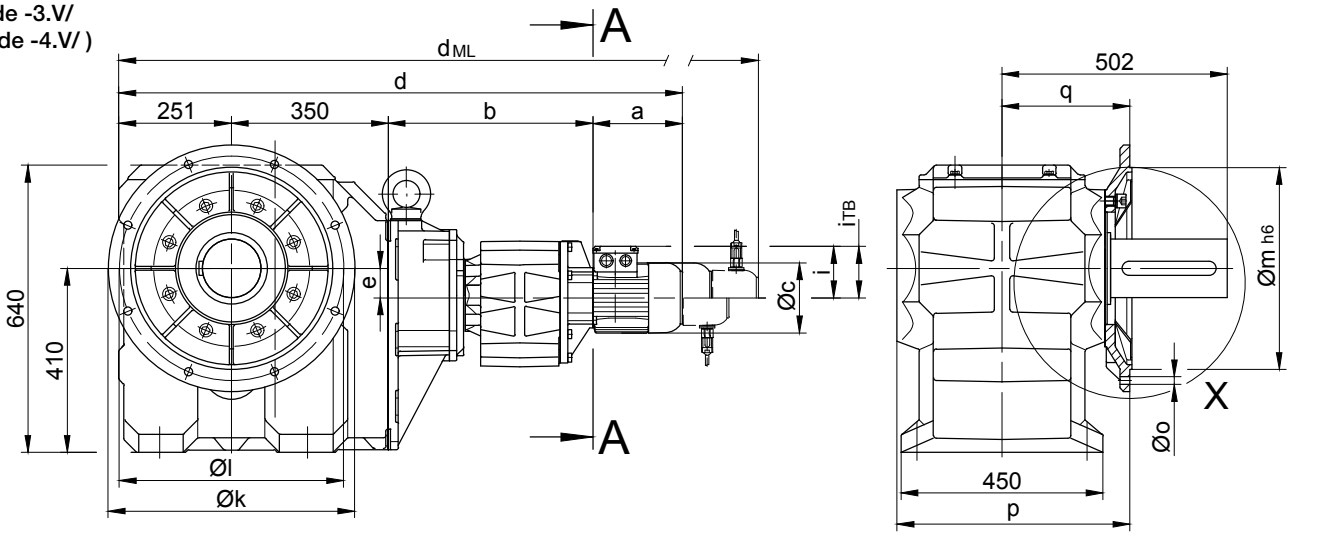
BK-series bevel-geared motors

Dimension - Tandem Gearbox

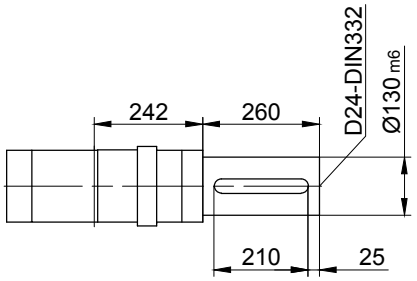
BK90G50

Flange with clearance holes at front

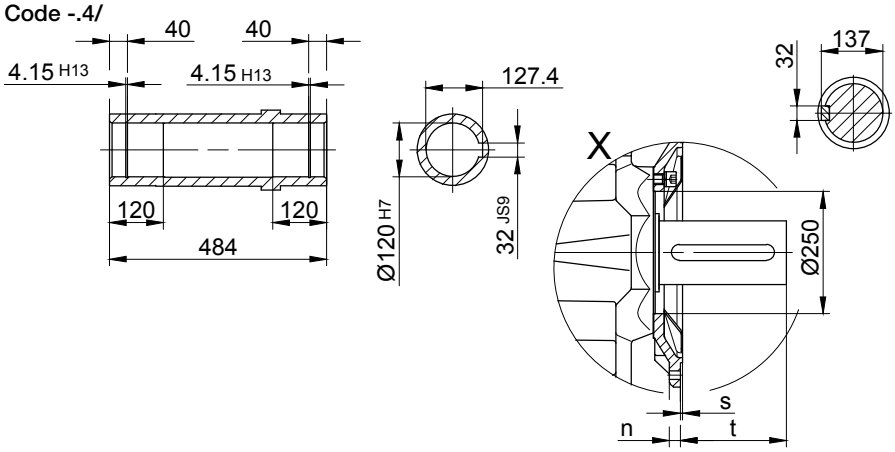
Code -3.V/
(Code -4.V/)



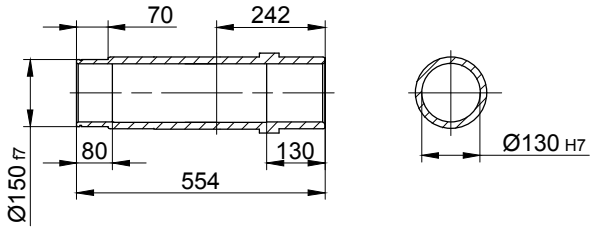
Code -.1/



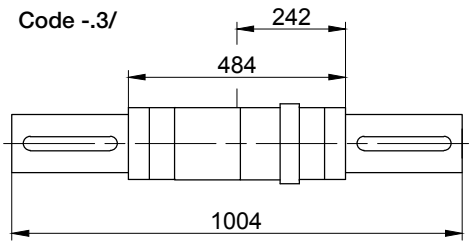
Code -.4/

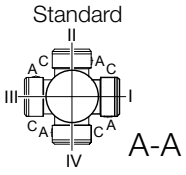


Code -.5/



Code -.3/





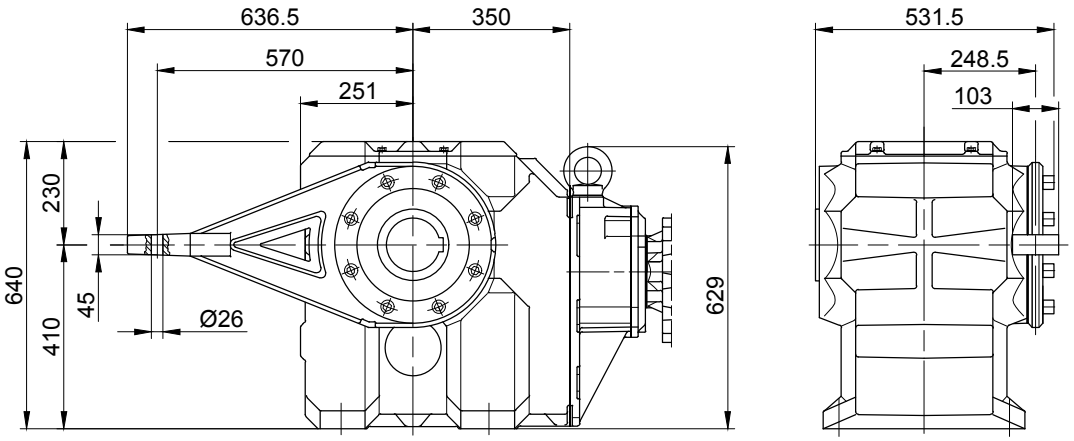
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BK90..	Code -3.V/	550	500	450	22	17,5	519	285	5	218	-
BK90..	Code -4.V/	660	600	550	25	22	513	279	6	225	-
Dimensions in millimetres (mm)											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK90G50-../S..08 (M, L)	199.5	427	156	1227.5	114.5	136.5	1293.5	1339.5	1401	-
BK90G50-../S..09 (S, X)	250.5	441.5	176	1293	124	157	1386	1400.5	1490	-
BK90G50-../S..11 (S, M, L)	319	448	218	1368	165	176	1466	1475.5	1568	-
Dimensions in millimetres (mm										

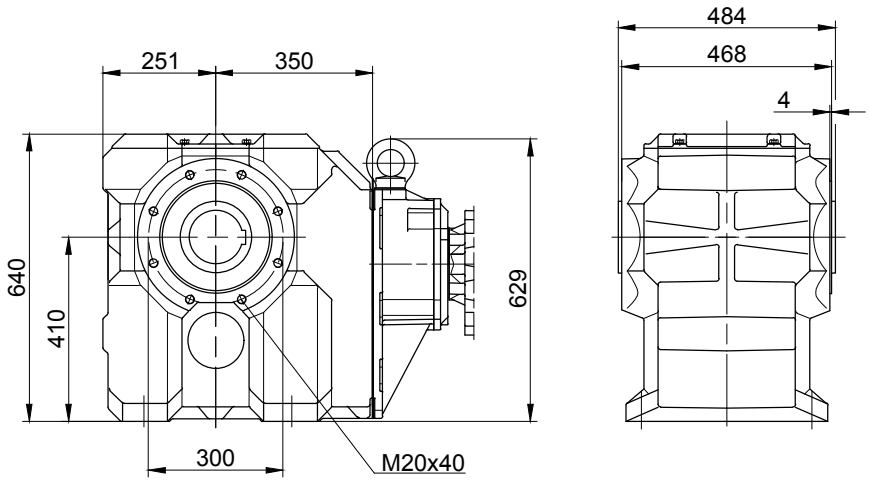
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK90G50

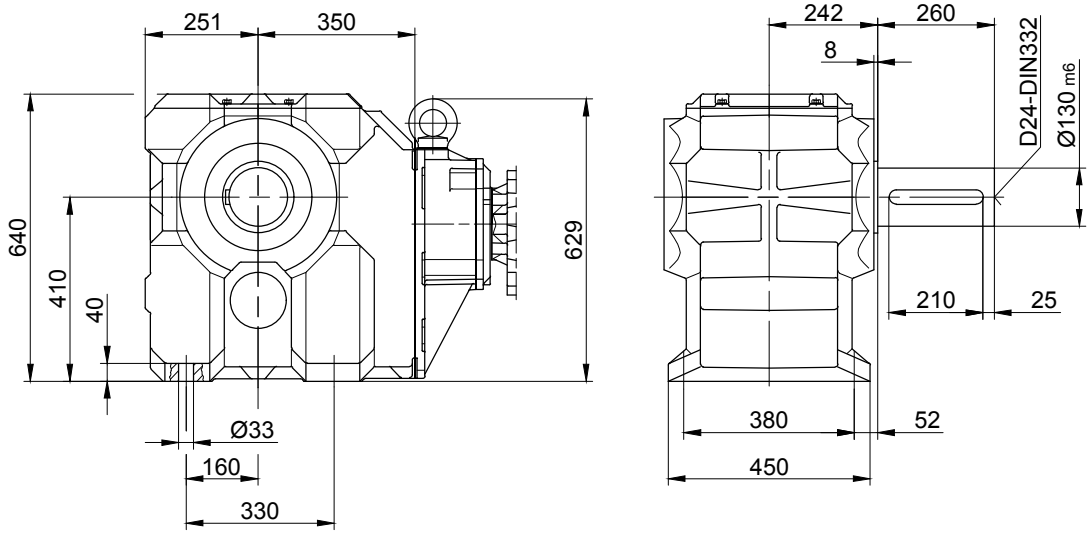
Torque arm at front
Code -5.V/



Flange with tapped holes at front
Code -7.V/

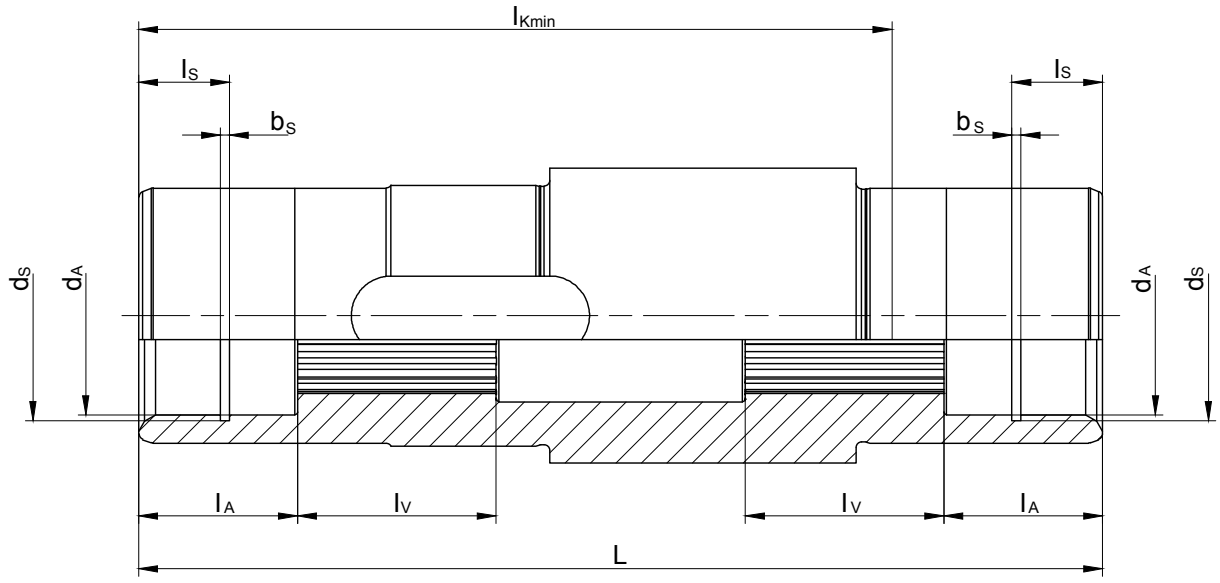


Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Splined shaft BK

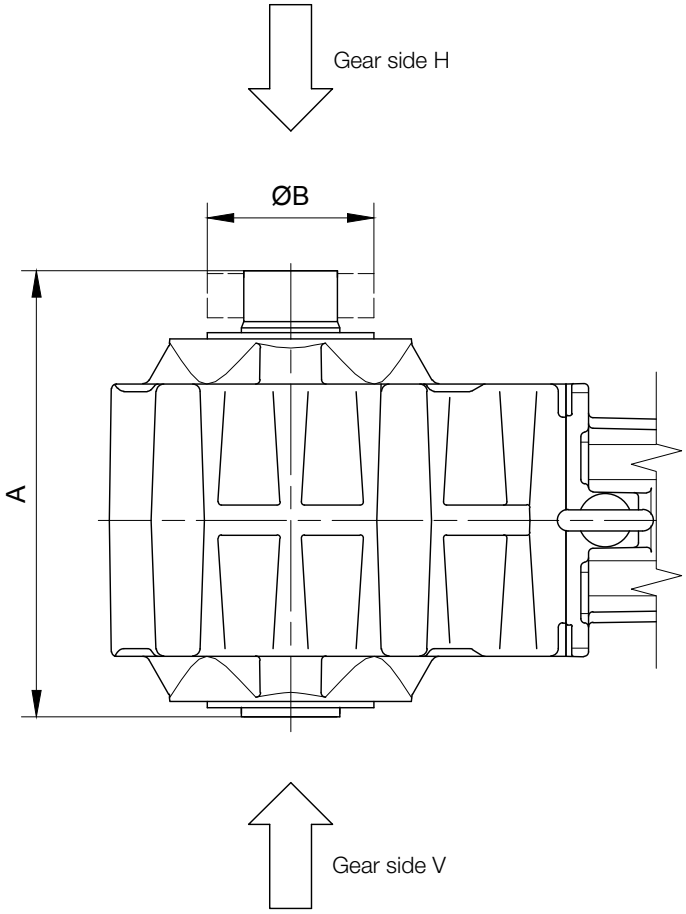


Type	Splined shaft acc. to DIN 5480	d_A	l_A	l_V	l_{Kmin}	L	d_S	l_S	b_S
BK10	N30x1.25x22x9H	35^{G7}	28	35	132	170	37^{H12}	16	1.6^{H13}
BK20	N35x2x16x9H	36^{G7}	28	35	154	192	37^{H12}	16	1.6^{H13}
BK30	N40x2x18x9H	41^{G7}	25	42	179	224	42.5^{H12}	17	1.85^{H13}
BK40	N50x2x24x9H	51^{G7}	25	49	214	260	53^{H12}	17	2.15^{H13}
BK50	N60x2x28x9H	61^{G7}	25	58	229	282	63^{H12}	17	2.15^{H13}
BK60	N70x2x34x9H	72^{G7}	25	72	248	302	75^{H12}	17	2.65^{H13}
BK70	N85x3x27x9H	86^{G7}	26	100	295	352	88.5^{H12}	17	3.15^{H13}
BK80	N110x3x35x9H	112^{G7}	60	90	335	404	116^{H12}	30	4.15^{H13}
BK90	N130x5x24x9H	131.5^{G7}	60	110	410	484	134^{H12}	30	4.15^{H13}
Dimensions in millimetres (mm)									

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shrink disc couplings (SSV)

(Code BK10-.5/...)
(Code BK10Z-.5/...)

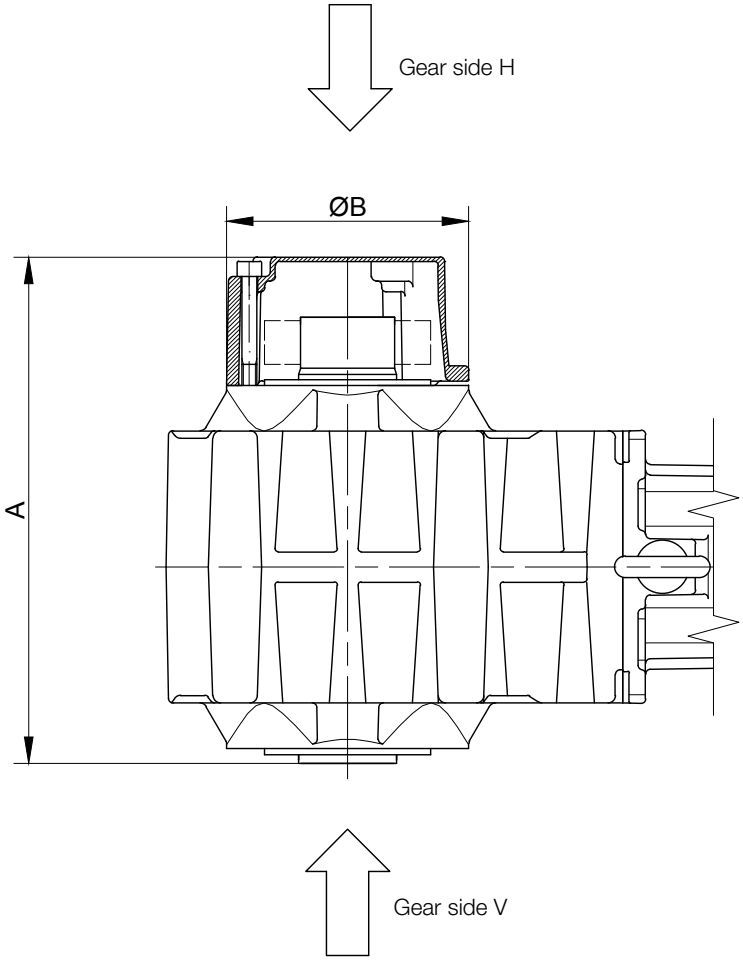


Type	SSV Ringfeder	SSV STÜWE	A	B
BK06	RfN 4161 024x050	HSD 24-22x24	118	50
BK10	RfN 4161 036x072	HSD 36-22x36	195	72
BK20	RfN 4161 044x080	HSD 44-22x44	222	80
BK30	RfN 4161 050x090	HSD 50-22x50	254	90
BK40	RfN 4161 062x110	HSD 62-22x62	295	110
BK50	RfN 4161 068x115	HSD 68-22x68	317	115
BK60	RfN 4161 080x141	HSD 80-22x80	337	140
BK70	RfN 4161 105x185	HSD 110-22x105	407	185
BK80	RfN 4161 130x215	HSD 125-22x130	464	215
BK90	RfN 4161 150x263	HSD 155-22x150	554	263
Dimensions in millimetres (mm)				

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shrink disc connection with cover (SSV)

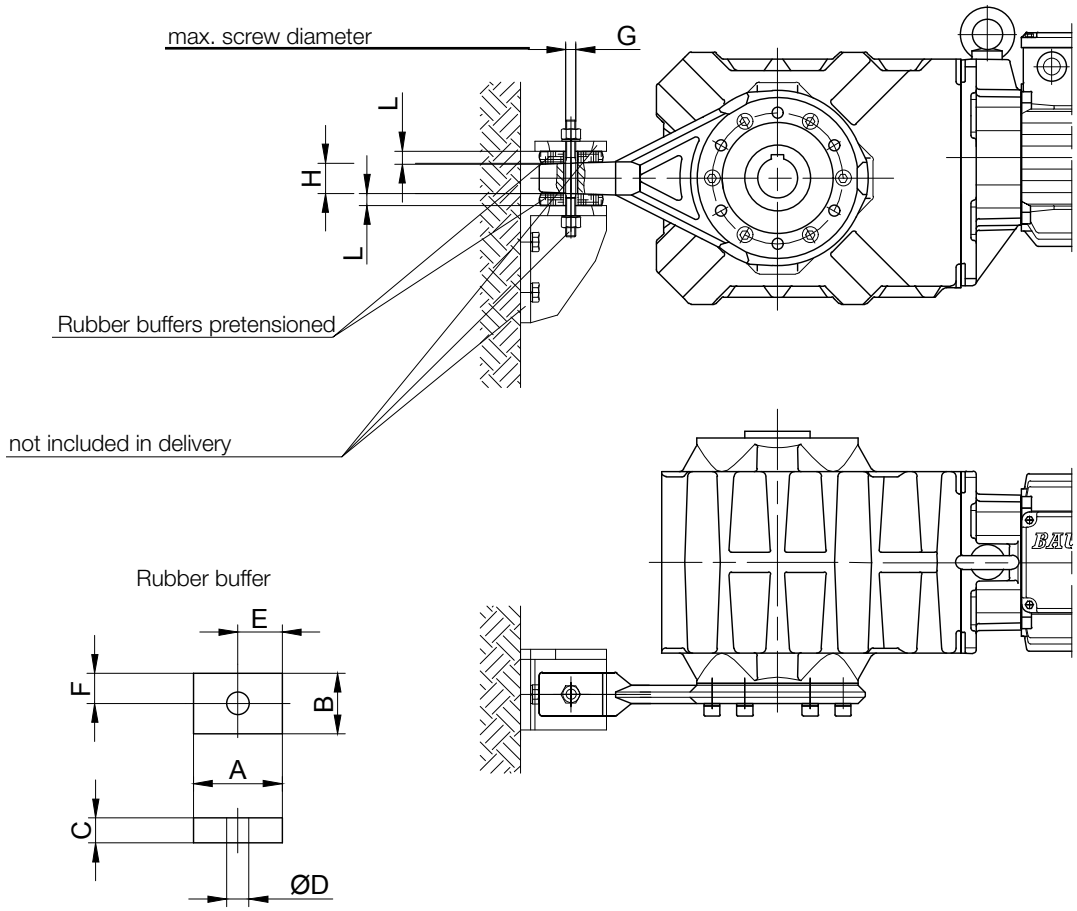
(Code BK10-.5A/...)
(Code BK10Z-.5A/...)



Type	SSV Ringfeder	SSV STÜWE	A	B
BK10	RfN 4161 036x072	HSD 36-22x36	217	120
BK20	RfN 4161 044x080	HSD 44-22x44	270	140
BK30	RfN 4161 050x090	HSD 50-22x50	300	160
BK40	RfN 4161 062x110	HSD 62-22x62	335	160
BK50	RfN 4161 068x115	HSD 68-22x68	329	200
BK60	RfN 4161 080x141	HSD 80-22x80	386	210
BK70	RfN 4161 105x185	HSD110-22x105	465	250
BK80	RfN 4161 130x215	HSD125-22x130	502	300
BK90	RfN 4161 150x263	HSD155-22x150	602	350
Dimensions in millimetres (mm)				

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Rubber buffer for torque arm



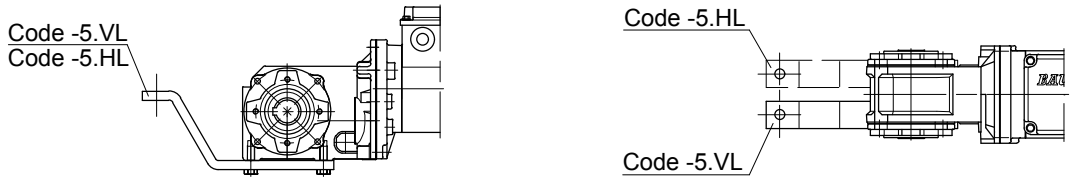
Material: Natural rubber
Hardness 50 +/-5 Shore A

Dimensions of the transverse hole:
see dimensioned sketch of the respective shaft mounted gearbox

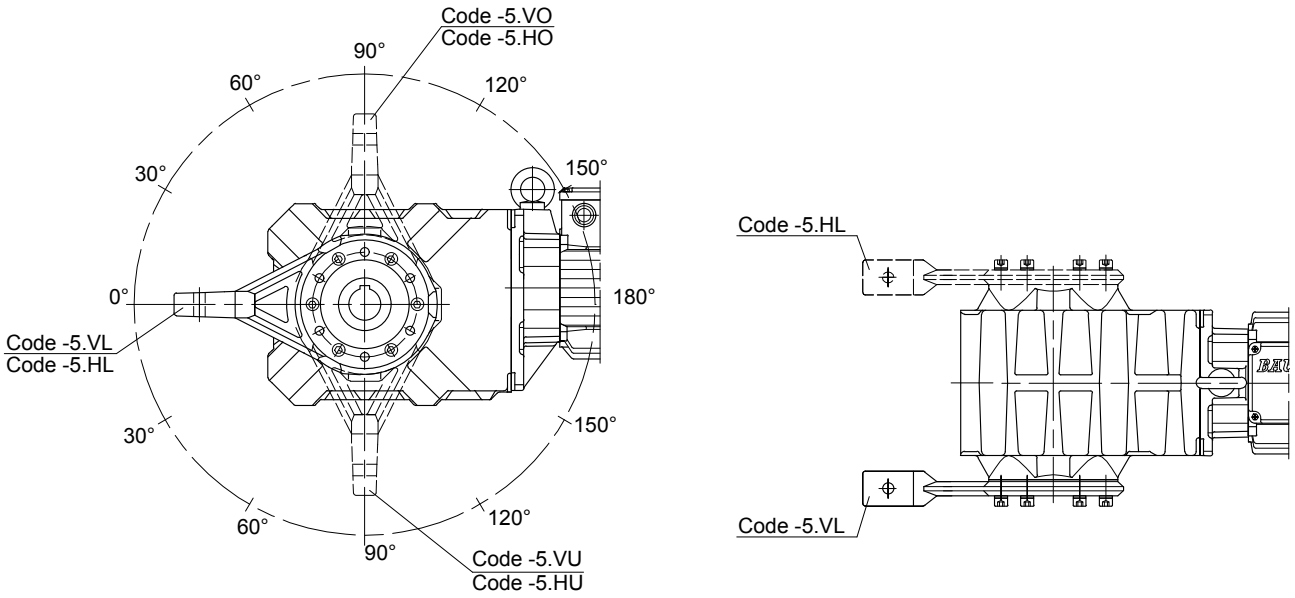
Gear	Position	A	B	C	D	E	F	G	H	L
BK06	Position 0	30	30	12	12	15	15	M10	10	10
BK08	Position 1	48	32	15	14	24	16	M10	19	13.5
BK10	Position 1	48	32	15	14	24	16	M10	19	13.5
BK17	Position 1	48	32	15	14	24	16	M10	19	13
BK20	Position 1	48	32	15	14	24	16	M10	19	13
BK30	Position 2	63	43	20	14	31.5	21.5	M10	30	17
BK40	Position 2	63	43	20	14	31.5	21.5	M10	30	17
BK50	Position 3	88	60	25	22	44	30	M18	36	21.5
BK60	Position 3	88	60	25	22	44	30	M18	38	21
BK70	Position 4	123	88	30	26	61.5	44	M20	40	25.5
BK80	Position 5	133	103	35	26	66.5	51.5	M20	45	30
BK90	Position 5	133	103	35	26	66.5	51.5	M20	45	29.5
Dimensions in millimetres (mm)										

Position of the torque arm

BK06



BK10 - BK70



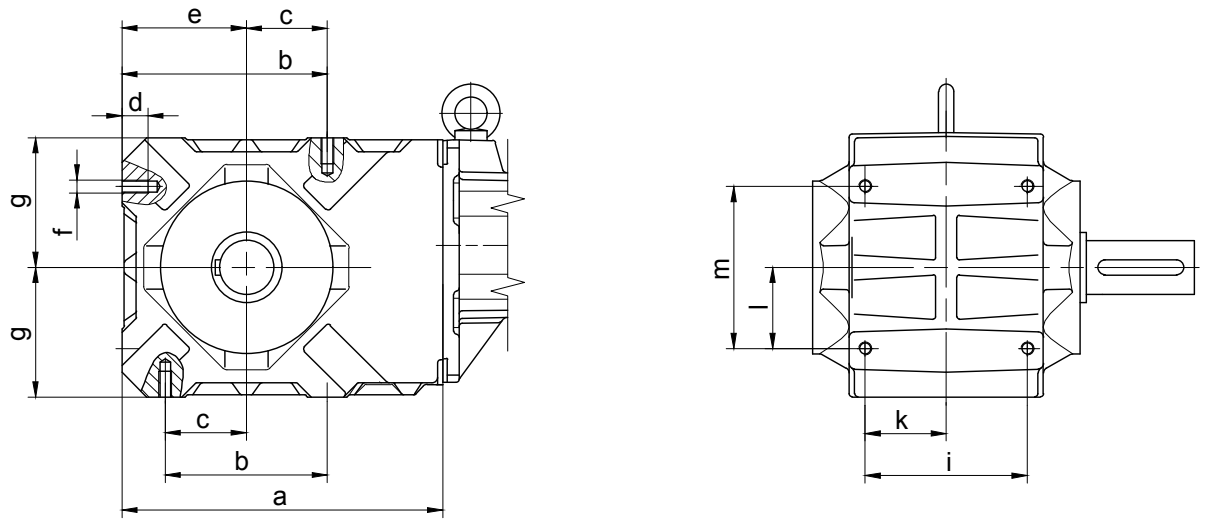
Gear	Position						
	VL/HL	VO/HO/VU/HU					VR/HR
BK06	0°	-	-	-	-	-	-
BK08	0°	30°	60°	90°	120°	-	-
BK10	0°	30°	60°	90°	120°	150°	-
BK17	0°	30°	60°	90°	120°	-	-
BK20	0°	30°	60°	90°	120°	150°	-
BK30	0°	30°	60°	90°	120°	150°	-
BK40	0°	30°	60°	90°	120°	150°	-
BK50	0°	30°	60°	90°	120°	150°	-
BK60	0°	30°	60°	90°	120°	150°	-
BK70	0°	30°	60°	90°	120°	150°	-
BK80	0°	30°	60°	90°	120°	150°	-
BK90	0°	45°		90°	135°		-

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

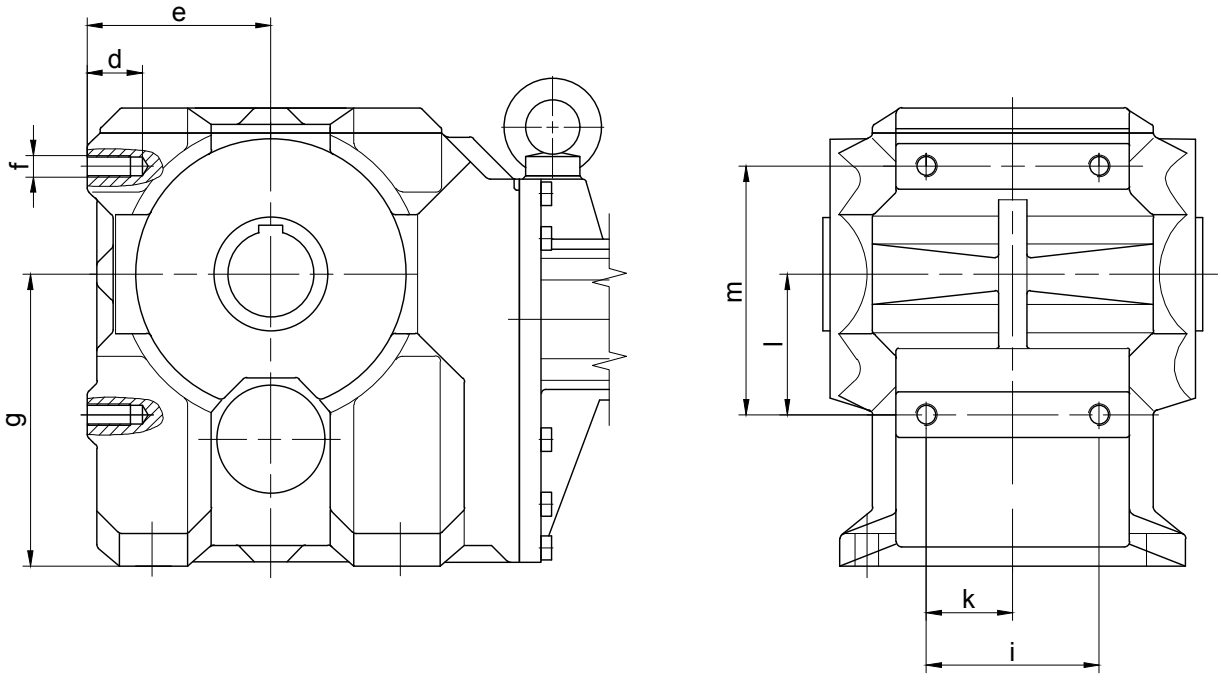
BK-series bevel-geared motors

Additional Dimension Sheet

Foot with tapped holes



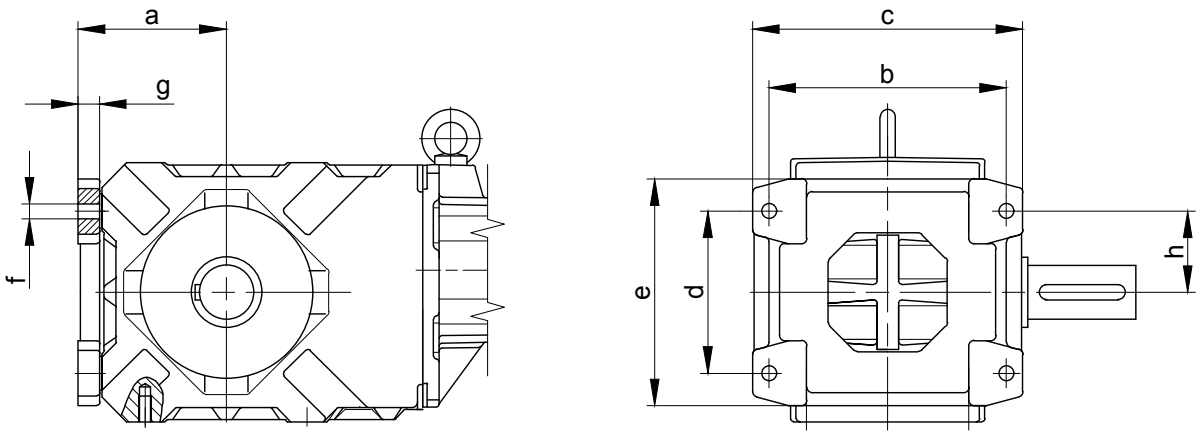
Type	a	b	c	d	e	f	g	i	k	l	m
BK10-BK10Z	202	90	45	16	78	M8	80	95	47.5	45	90
BK20-BK20Z	242	110	55	20	95	M10	100	105	52.5	55	110
BK30-BK30Z	266	125	62.5	24	105	M12	110	120	60	62.5	125
BK40-BK40Z	297	150	75	24	115	M12	120	150	75	75	150
BK50-BK50Z	356	200	100	28	145	M14	150	160	80	100	200



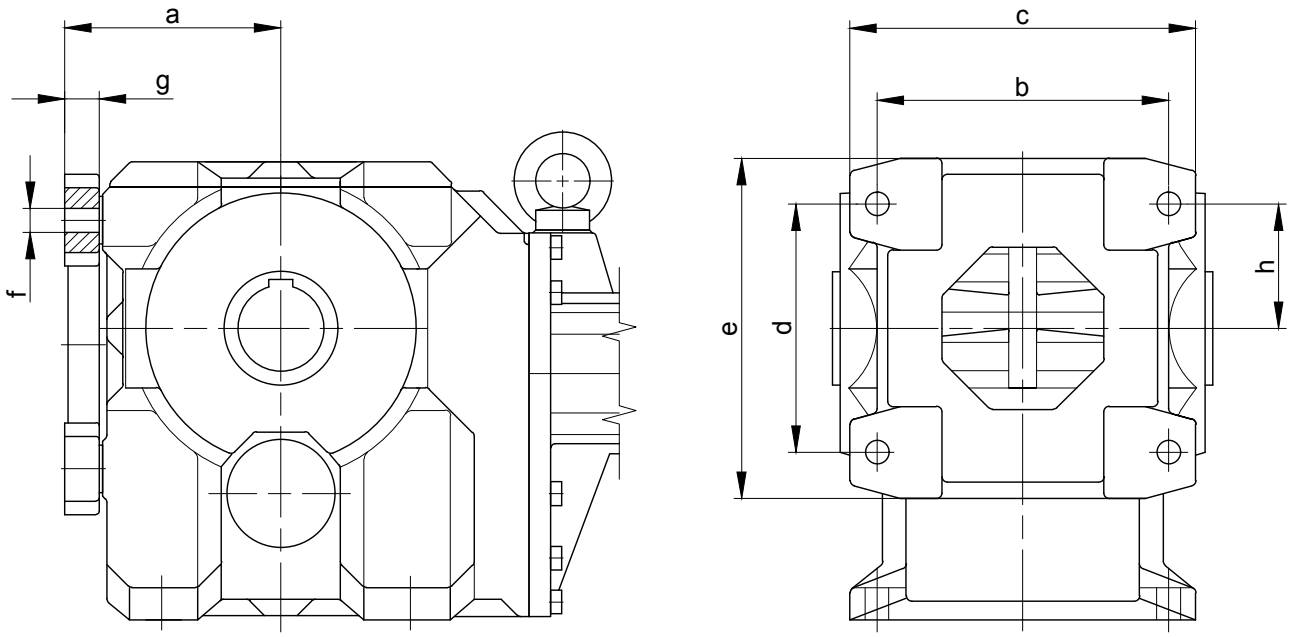
Type	a	b	c	d	e	f	g	i	k	l	m
BK60-BK60Z	-	-	-	40	130	M20	212	160	80	145	230
BK70-BK70Z	-	-	-	40	165	M20	270	160	80	130	230
BK80-BK80Z	-	-	-	60	200	M30	335	210	105	240	360
BK90-BK90Z	-	-	-	60	245	M30	410	210	105	215	360

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Foot plate with clearance holes



Type	a	b	c	d	e	f	g	h
BK10-BK10Z	96	145	165	90	130	Ø9	16	45
BK20-BK20Z	115	165	195	110	160	Ø11	18	55
BK30-BK30Z	127	190	220	125	185	Ø13.5	20	62.5
BK40-BK40Z	137	220	250	150	210	Ø13.5	20	75
BK50-BK50Z	170	240	280	200	265	Ø17.5	23	100



Type	a	b	c	d	e	f	g	h
BK60-BK60Z	165	270	320	230	315	Ø22	32	85
BK70-BK70Z	200	270	320	230	315	Ø22	32	100
BK80-BK80Z	250	400	480	360	480	Ø33	47	120
BK90-BK90Z	295	400	480	360	480	Ø33	47	145

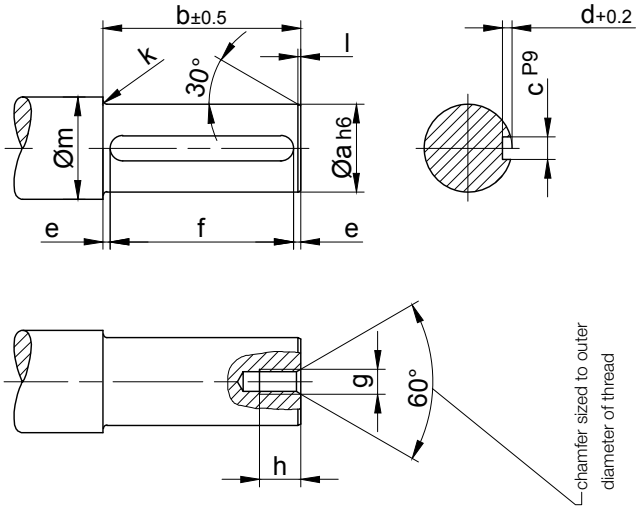
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

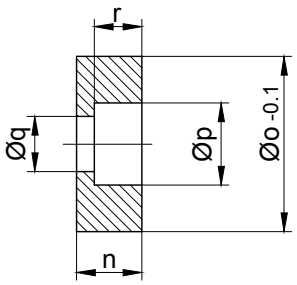
Additional Dimension Sheet

Assembly tools for hollow shaft and keyway

Position 1 Shaft

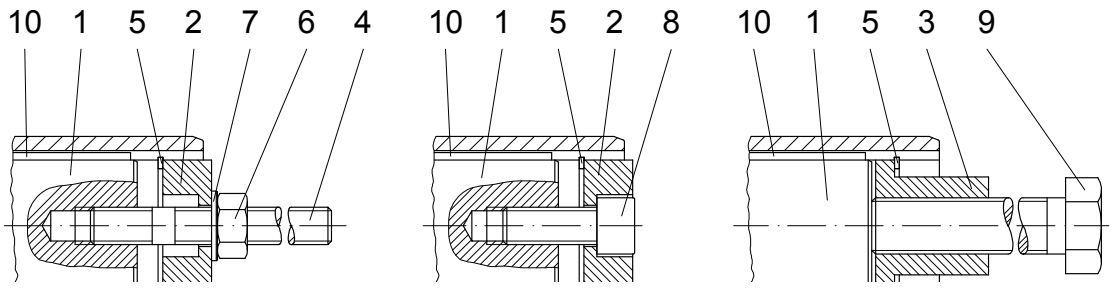


* Position 2 Disc



x, Edges cut
Material:
C45 DIN EN 10083

Type	Dimensions (mm)															
	Postion 1 Shaft											Postion 2 Disc				
	a	b	c	d	e	f	g	h	k	l	m	n	o	p	q	r
BK06	20	75	6	3.5	6	63+0.3	M8	16	2	1	28	13.5	19.8	11	6.6	6.5
BK10	25	148	8	4	11.5	125.0.5	M8	18	2.5	1.5	33	13.5	24.8	15	9	8.5
BK20	30	170	8	4	15	140+0.5	M10	20	3	1.5	38	15	29.8	18	11	10
BK30	35	201	10	5	10.5	180+0.5	M10	20	3	1.5	43	16	34.8	18	11	10
BK40	40	235	12	5	17.5	200+0.5	M12	22	3	2	48	18	39.8	20	13.5	12
BK50	50	254	14	5.5	17	220+0.5	M16	30	3.5	2	58	21	49.8	26	17.5	15
BK60	60	273	18	7	11.5	250+0.5	M20	38	3.5	2	68	24	59.8	33	22	18
BK70	80	316	22	9	18	280+0.5	M20	38	4	2	90	27	79.8	33	22	20
BK70-K70	70	316	20	7.5	18	280+0.5	M20	38	4	2	90	27	69.8	33	22	20
BK80	100	360	28	10	20	320+0.5	M24	45	4	3	110	32	99.8	40	26	25
BK90	120	432	32	11	16	400+0.5	M24	45	4.5	3	130	35	119.8	40	26	28



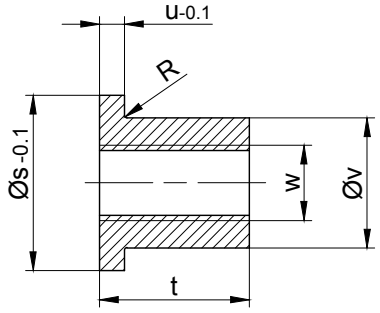
Installation Holding Dismantlement

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

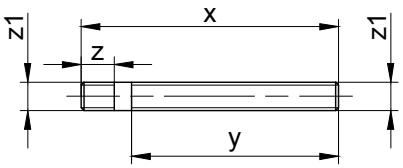
Assembly tools for hollow shaft and keyway

Position 3 Sleeve



x, Edges cut
Material:
C45 DIN EN 10083

* Position 4 Stud bolt



Material: Steel, tensile strengh
≥ 1000N/mm²
Threads rolled

Type	Dimensions (mm)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Starting torque (Nm)	Hexagon bolt DIN EN 24017-8.8	Key DIN 6885 Width/Height/Length
	Position 3 Sleeve						Position 4 Stud bolt										
	s	t	u	v	w	R	x	y	z	z1	Pos.5	Pos.6	Pos.7	Pos.8		Pos.9	Pos.10
BK06	19.8	20	5	11.1	M8	0.8	130	100	20	M6	20x1	M6	6.4	M6x30	5	M6x120	A 6x6x63
BK10	24.8	24	5	15.4	M12	0.8	200	170	20	M8	25x1.2	M8	8.4	M8x30		M12x190	A 8x7x125
BK20	29.8	28	5	19.8	M14	0.8	230	195	23	M10	30x1.2	M10	10.5	M10x30	8	M14x210	A 8x7x140
BK30	34.8	28	5	23	M14	-	260	220	23	M10	35x1.5	M10	10.5	M10x35		M14x240	A 10x8x180
BK40	39.8	40	6	27.7	M20	0.8	300	260	28	M12	40x1.75	M12	13	M12x35	16	M20x290	A 12x8x200
BK50	49.8	48	6	36	M24	-	340	290	37	M16	50x2.0	M16	17	M16x40	30	M24x320	A 14x9x220
BK60	59.8	60	6	44	M30	-	370	310	45	M20	60x2.0	M20	21	M20x50	42	M30x350	A 18x11x250
BK70	79.8	60	8	55	M30	-	420	360	45	M20	80x2.5	M20	21	M20x50		M30x400	A 22x14x280
BK70-K70	69.8	60	8	53	M30	-	420	360	45	M20	70x2.5	M20	21	M20x50		M30x400	A 20x12x280
BK80	99.8	72	10	75	M36	-	480	410	55	M24	100x3.0	M24	25	M24x60	100	M36x450	A 28x16x320
BK90	119.8	72	10	80	M36	-	560	480	55	M24	120x4.0	M24	25	M24x60		M36x520	A 32x18x400

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

Optional

Type	Ø s	Order text
BK06	20	Id.Nr.4104013 Assembly tool „holding“
BK10	25	Id.Nr.4103921 Assembly tool „holding“
BK20	30	Id.Nr.4103939 Assembly tool „holding“
BK30	35	Id.Nr.4103947 Assembly tool „holding“
BK40	40	Id.Nr.4103955 Assembly tool „holding“
BK50	50	Id.Nr.4103963 Assembly tool „holding“
BK60	60	Id.Nr.4103971 Assembly tool „holding“
BK70	80	Id.Nr.4103980 Assembly tool „holding“
BK70-K70	70	Id.Nr.4104765 Assembly tool „holding“
BK80	100	Id.Nr.4103998 Assembly tool „holding“
BK90	120	Id.Nr.4104005 Assembly tool „holding“

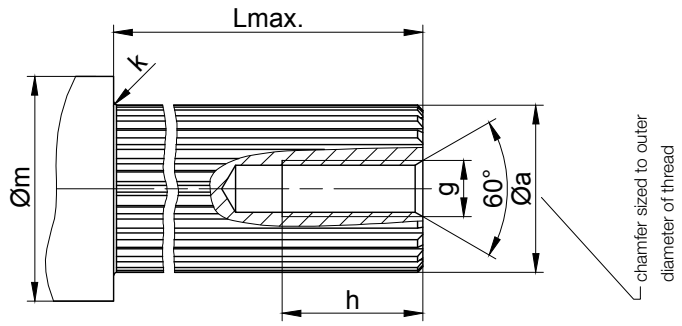
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

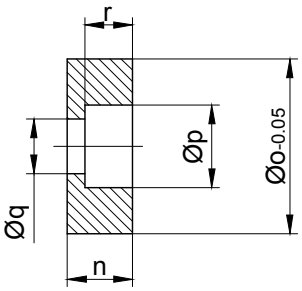
Additional Dimension Sheet

Assembly tools for splined shaft

Position 1 Shaft

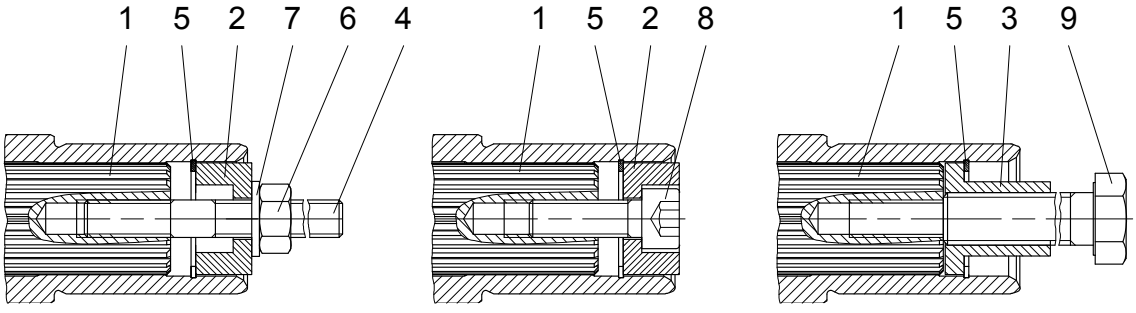


* Position 2 Disc



x, Edges cut
Material:
C45 DIN EN 10083

Type	Dimensions (mm)										
	Postion 1 Shaft						Postion 2 Disc				
	a	g	h	g	Lmax.	m	n	o	p	q	r
BK10	DIN 5480-W30x1.25x22	M10	25	2.5	145	42	15	34.9	18	11	10
BK20	DIN 5480-W35x2x16	M10	25	3	167	44	14	35.9	18	11	10
BK30	DIN 5480-W40x2x18	M12	30	3	200	49	18	40.9	20	13.5	12
BK40	DIN 5480-W50x2x24	M16	35	3	235	59	17.5	50.9	26	17.5	12.5
BK50	DIN 5480-W60x2x28	M20	40	3.5	255	69	24	60.9	33	22	18
BK60	DIN 5480-W70x2x34	M20	40	3.5	275	80	24	71.9	33	22	18
BK70	DIN 5480-W85x3x27	M20	40	4	323	96	22	85.9	33	22	16
BK80	DIN 5480-W110x3x35	M24	50	4	360	122	32	111.9	40	26	25
BK90	DIN 5480-W130x5x24	M24	50	4.5	440	143	25	131.4	40	26	18



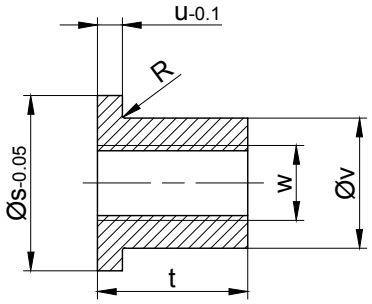
Installation Holding Dismantlement

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

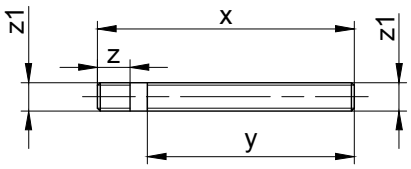
Assembly tools for splined shaft

Position 3 Sleeve



x, Kanten gebrochen
Werkstoff:
C45 DIN EN 10083

* Position 4 Stud bolt



Material: Steel, tensile strengh
≥ 1000N/mm²
Threads rolled

Type	Dimensions (mm)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Tightening torques (Nm)	Hexagon bolt DIN EN 24017-8.8
	Position 3 Sleeve						Position 4 Stud bolt									
	s	t	u	v	w	R	x	y	z	z1	Pos.5	Pos.6	Pos.7	Pos.8		Pos.9
BK10	30.4	28	5	19.8	M14	-	200	170	23	M10	35x1.5	M10	10.5	M10x30	8	M14x190
BK20	35.9	28	5	23	M14	-	230	195	23	M10	35x1.5	M10	10.5	M10x35		M14x210
BK30	40.9	40	6	27.7	M20	-	260	220	28	M12	40x1.75	M12	13	M12x35	16	M20x240
BK40	50.9	48	6	36	M24	0.8	300	260	37	M16	50x2.0	M16	17	M16x40	30	M24x290
BK50	60.9	60	6	44	M30	-	340	290	45	M20	60x2.0	M20	21	M20x50	42	M30x320
BK60	71.9	60	6	53	M30	0.8	370	310	45	M20	72x2.5	M20	21	M20x50		M30x350
BK70	85.9	60	8	65	M30	0.8	420	360	45	M20	85x3	M20	21	M20x50		M30x400
BK80	111.9	72	10	85	M36	0.8	480	410	55	M24	112x4	M24	25	M24x60	100	M36x450
BK90	131.4	72	10	95	M36	0.8	560	480	55	M24	130x4	M24	25	M24x60		M36x520

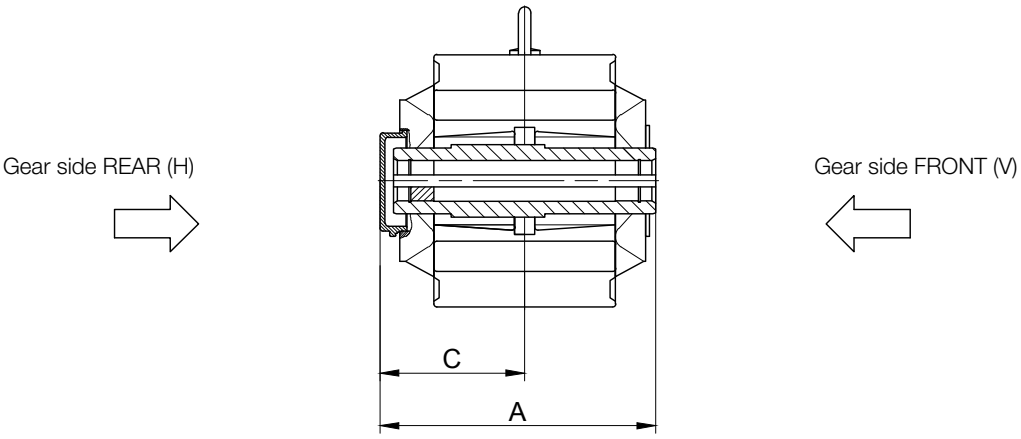
The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

Optional

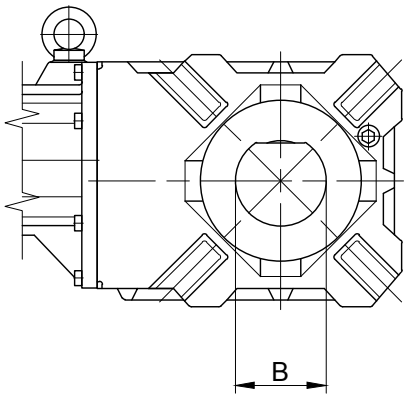
Type	Ø s	Order text
BK10	30.5	Id.Nr. 4105133 Assembly tool „holding“
BK20	36	Id.Nr. 4105141 Assembly tool „holding“
BK30	41	Id.Nr. 4105150 Assembly tool „holding“
BK40	51	Id.Nr. 4105168 Assembly tool „holding“
BK50	61	Id.Nr. 4105176 Assembly tool „holding“
BK60	72	Id.Nr. 4105184 Assembly tool „holding“
BK70	86	Id.Nr. 4105192 Assembly tool „holding“
BK80	112	Id.Nr. 4105206 Assembly tool „holding“
BK90	131.5	Id.Nr. 4105214 Assembly tool „holding“

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shaft cap (VK)



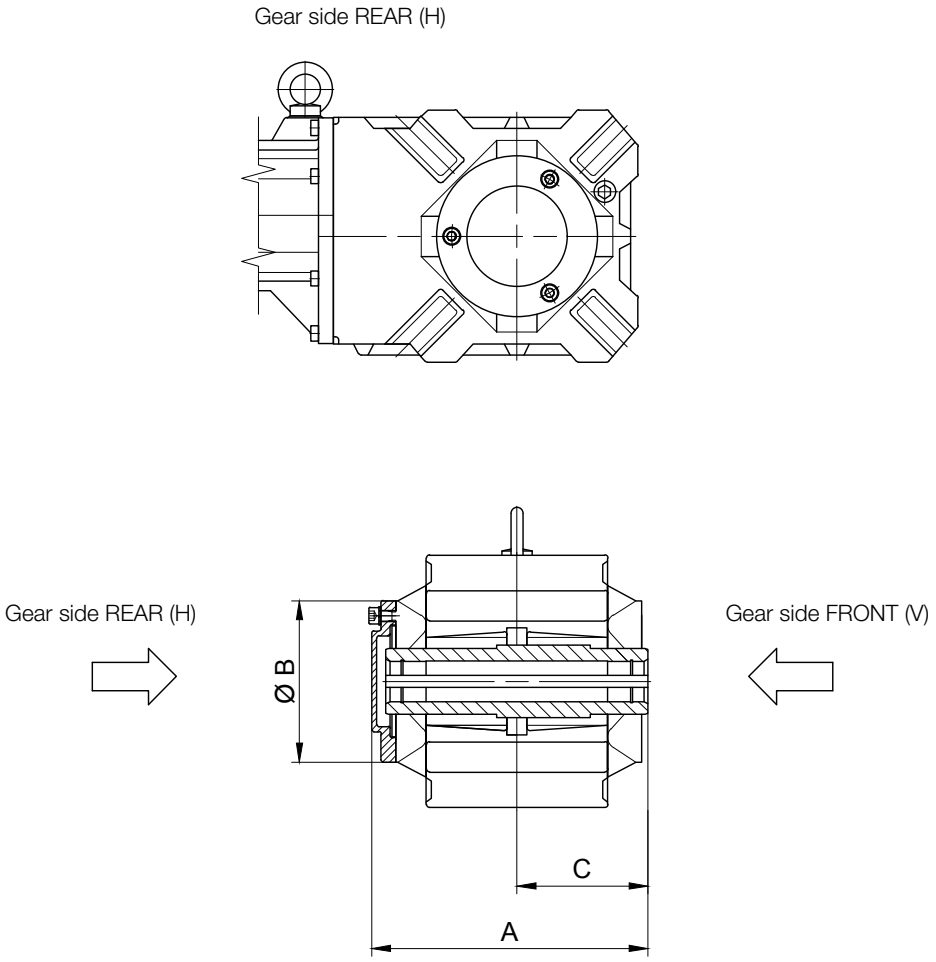
Gear side REAR (H)



Type	A	B	C
BK10	182.5	85	97.5
BK20	204.5	90	108.5
BK40	273.5	100	143.5
BK50	298	115	157
BK60	322	130	171
BK70	370	160	194
Dimensions in millimetres (mm)			

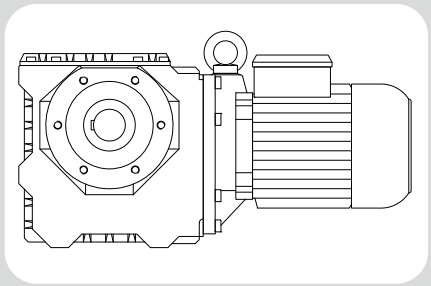
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shaft cover (VD)



Type	A	B	C
BK10	181	120	85
BK20	206	139.5	96
BK30	239	160	112
BK40	274	160	130
BK50	297	199	141
BK60	321	210	151
BK70	368	250	176
BK80	419	300	202
BK90	492	351	242
Dimensions in millimetres (mm)			

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.



13

BS-series worm-geared motors - Dimensions

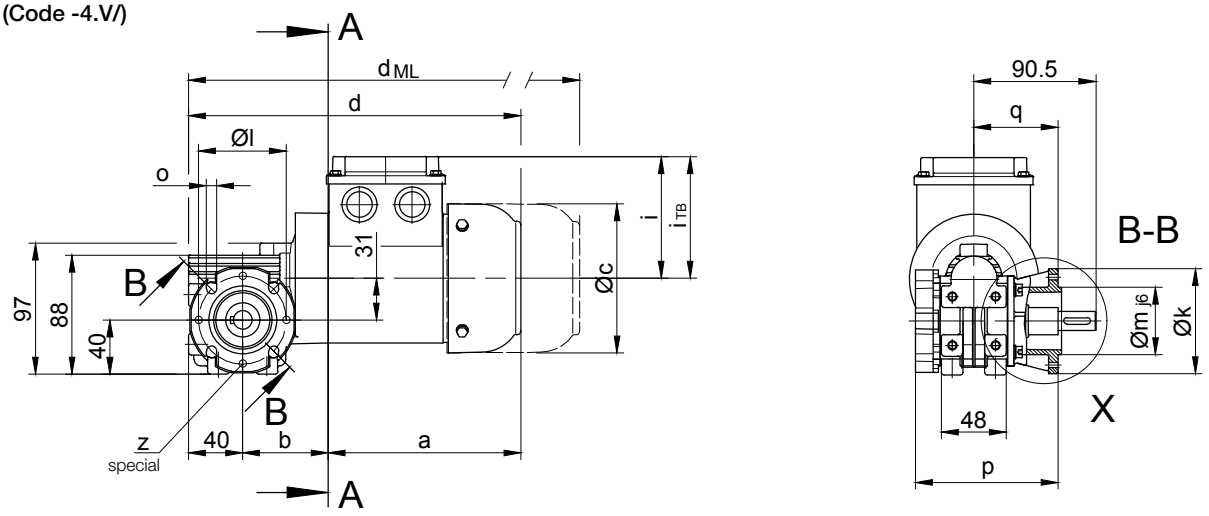
BS-series worm-geared motors

Dimension - Standard

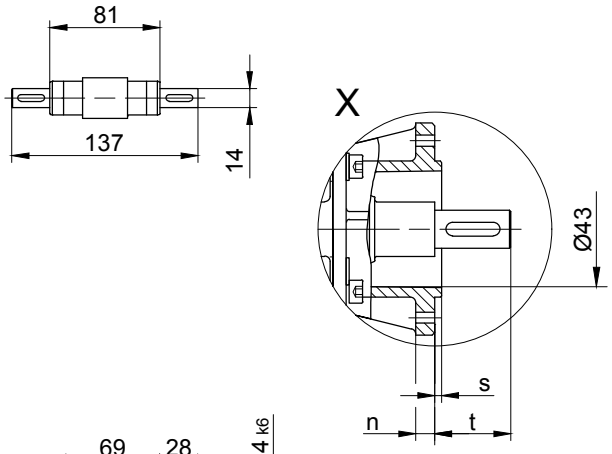
BS02

Flange with clearance holes at front

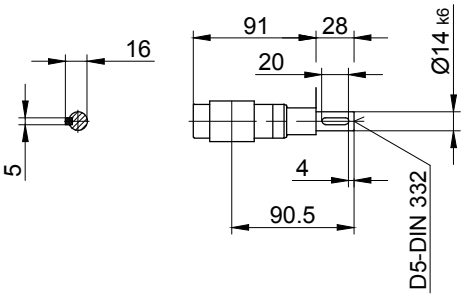
Code -3.V/
(Code -4.V/)



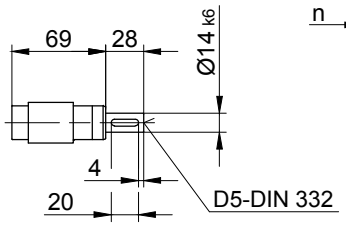
Code -.3/



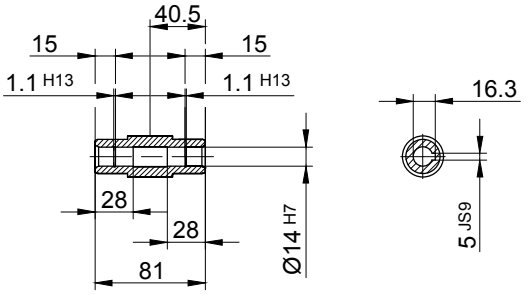
Code -.7/

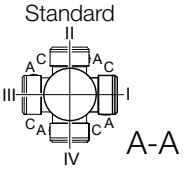


Code -.1/



Code -.4/





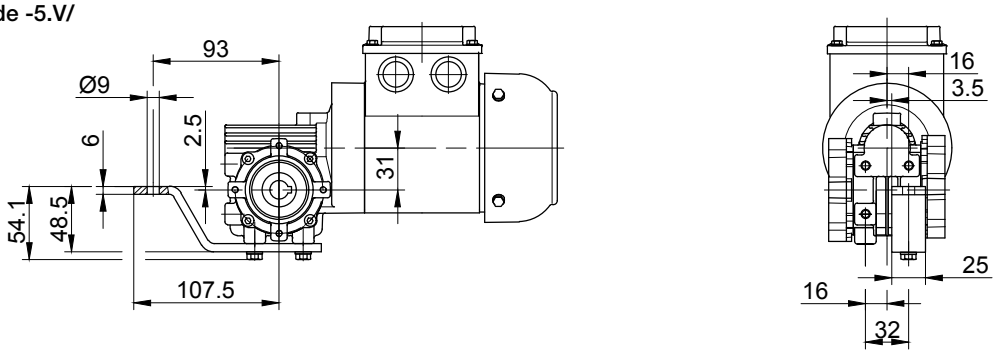
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS02	Code -37V/	80	65	50	7.5	5.5	105.5	62.5	2.5	28	-
BS02	Code -37V/	80	65	50	7.5	5.5	105.5	62.5	2.5	28	4xM5
BS02	Code -47V/	110	80	60	8	6.6	105.5	62.5	2.5	28	-
BS02	Code -47V/	110	80	60	8	6.6	105.5	62.5	2.5	28	4xM6
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS02-../S04S	142.5	63.5	110.5	246	90	112	289.5	333.5	377	-
BS02-../S..06 (M, L)	170.5	65.5	123	276	99	119	318	378.5	416	-
Dimensions in millimetres (mm)										

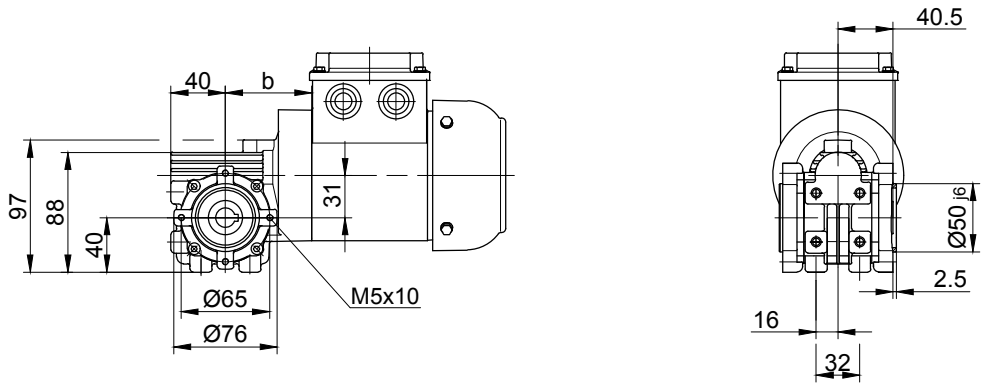
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS02

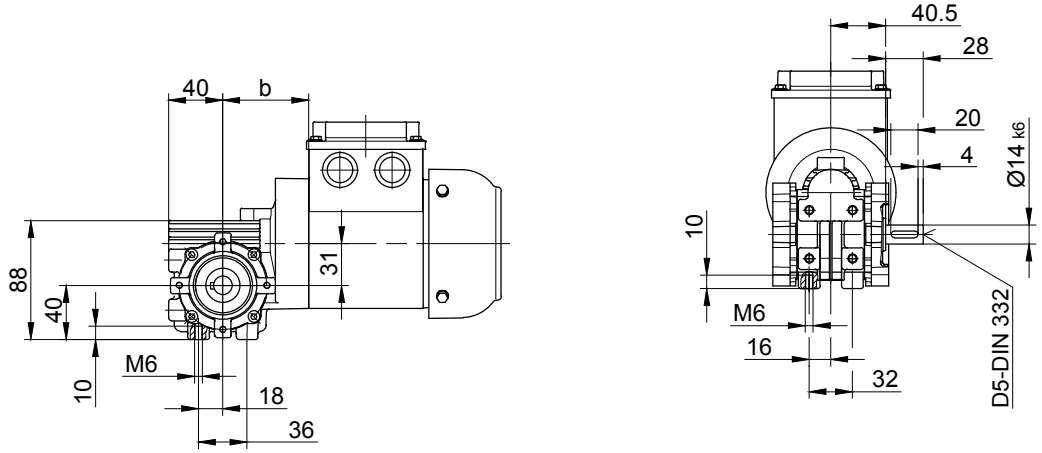
Torque arm at front
Code -5.V/



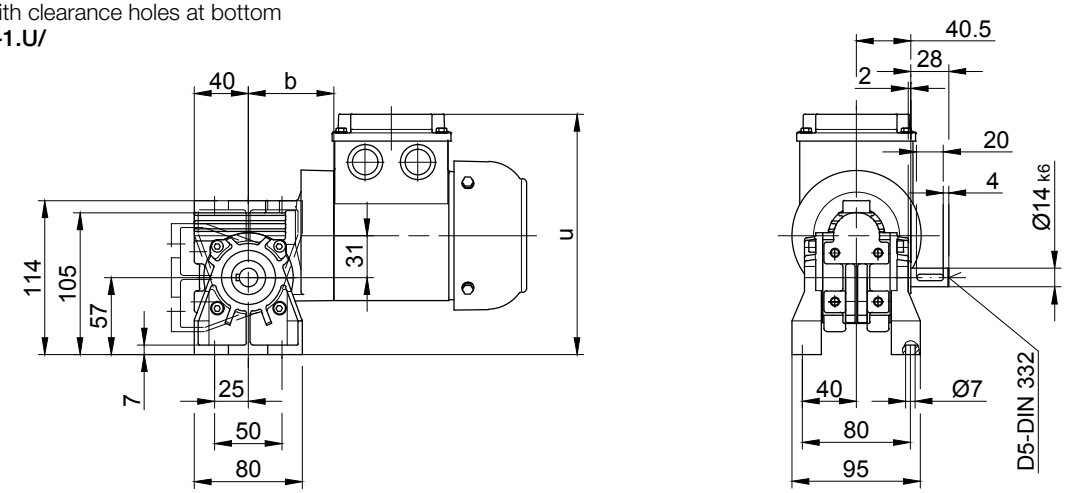
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

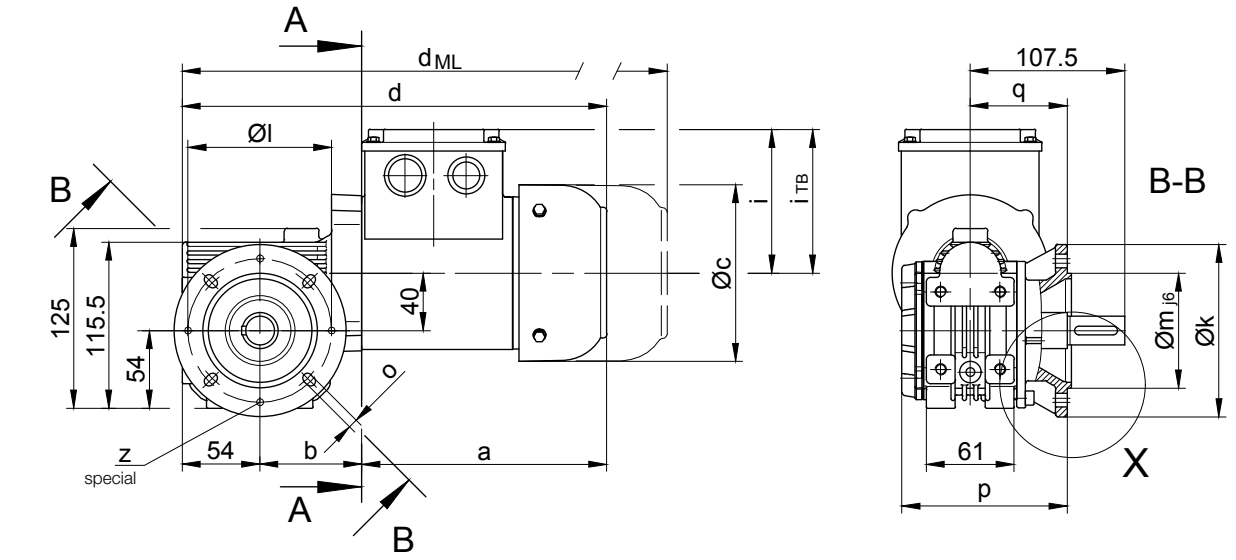
BS-series worm-geared motors

Dimension - Standard

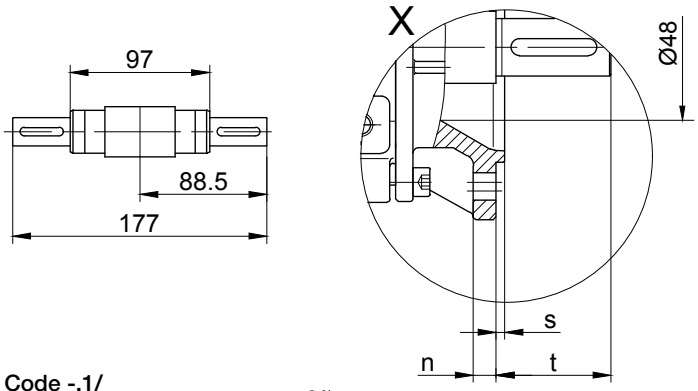
BS03

Flange with clearance holes at front

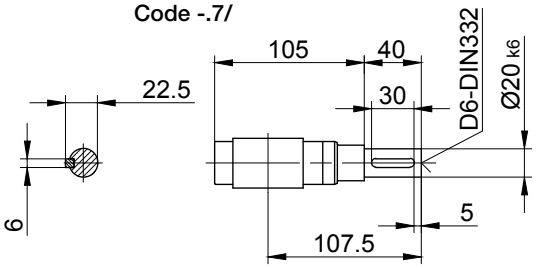
Code -3.V/



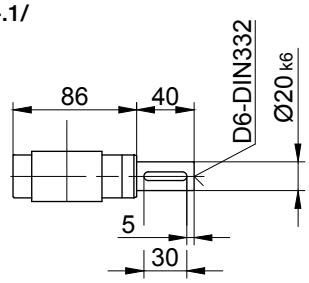
Code -.3/



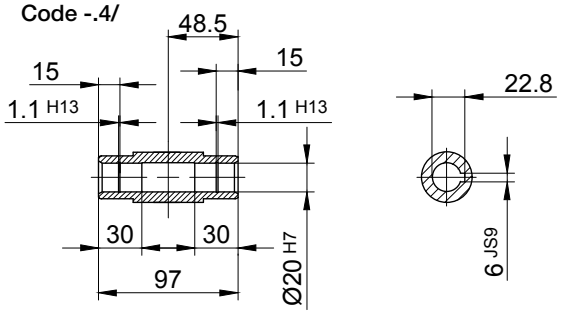
Code -.7/

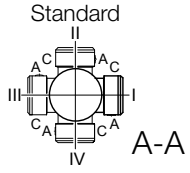


Code -.1/



Code -.4/





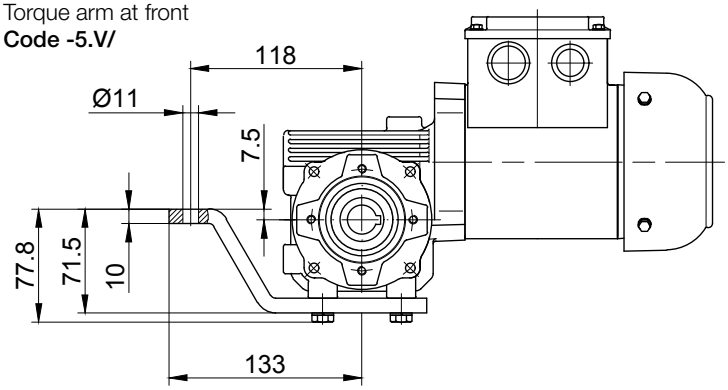
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS03	Code -37V/	120	100	80	8	6.6	115	67.5	3	40	-
BS03	Code -37V/	120	100	80	8	6.6	115	67.5	3	40	4xM6
Dimensions in millimetres (mm											

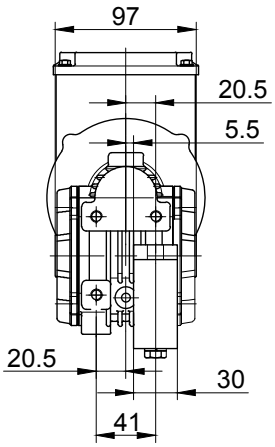
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS03-../S..06 (M, L)	170.5	71	123	295.5	99	119	337.5	398	435.5	-
BS03-../S..08 (M, L)	199.5	115	156	368.5	114.5	136.5	434.5	480.5	542	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

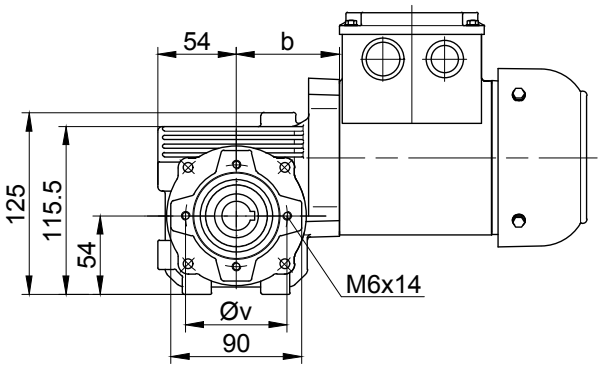
BS03

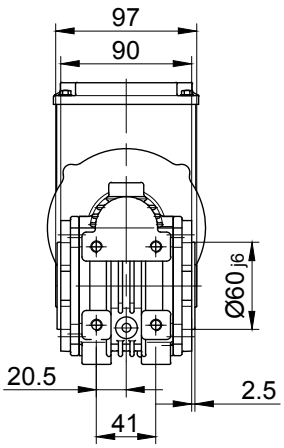
Torque arm at front
Code -5.V/



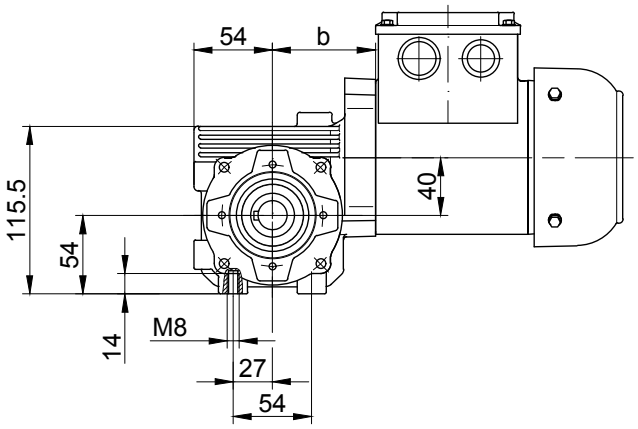


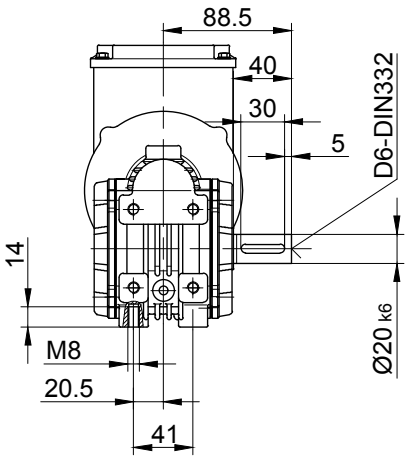
Flange with tapped holes at front
Code -7.V/



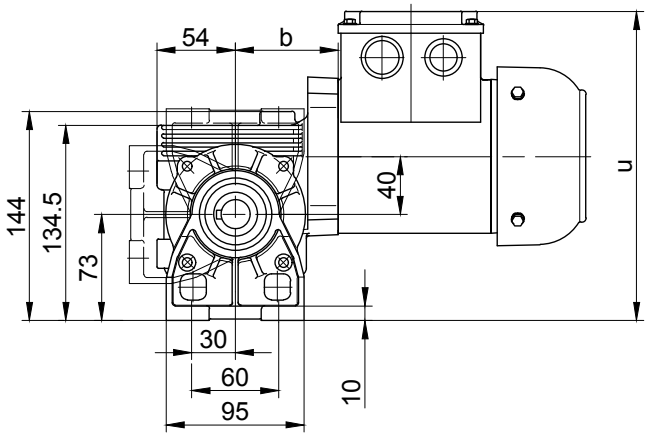


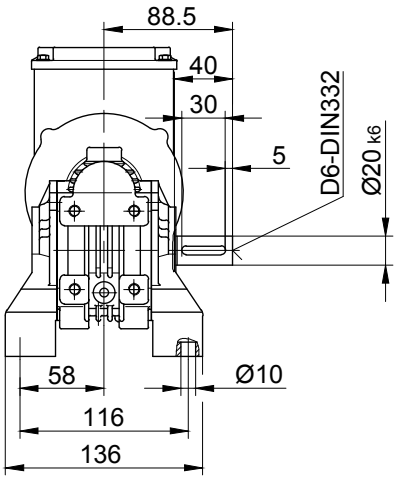
Foot with tapped holes at bottom
Code -6.U/





Foot with clearance holes at bottom
Code -1.U/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

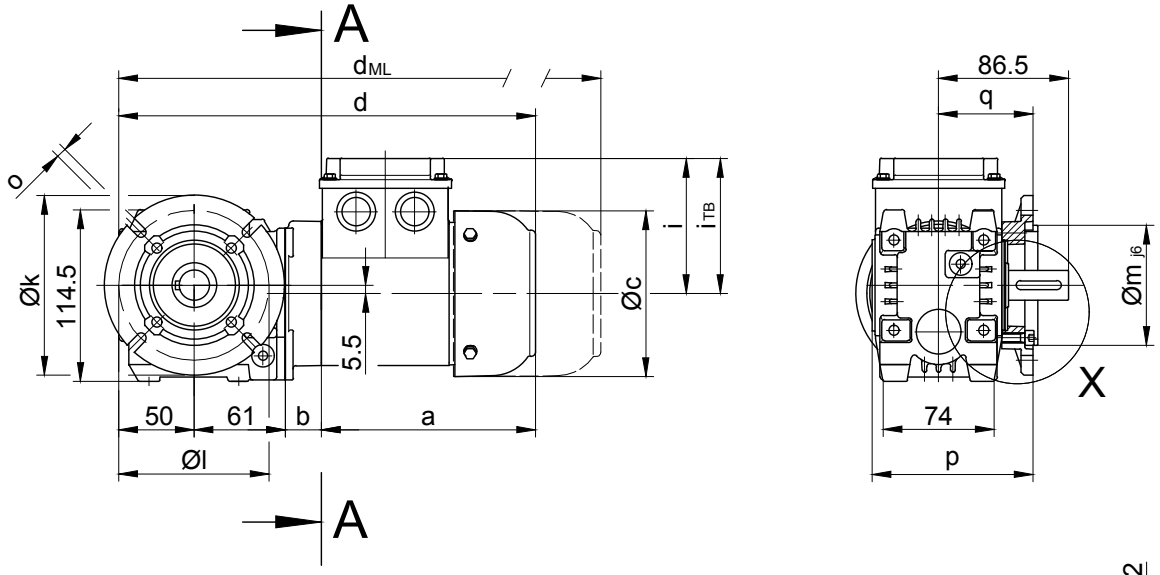
BS-series worm-geared motors

Dimension - Standard

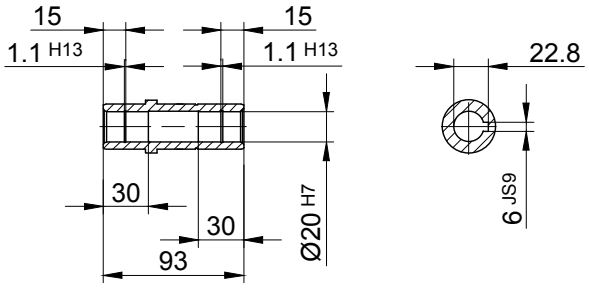
BS04

Flange with clearance holes at front

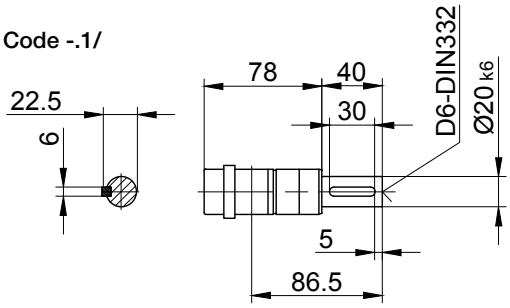
Code -3.V/

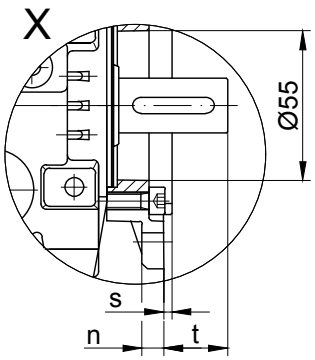


Code -.4/

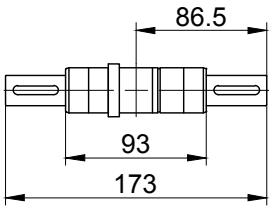


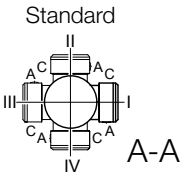
Code -.1/





Code -.3/





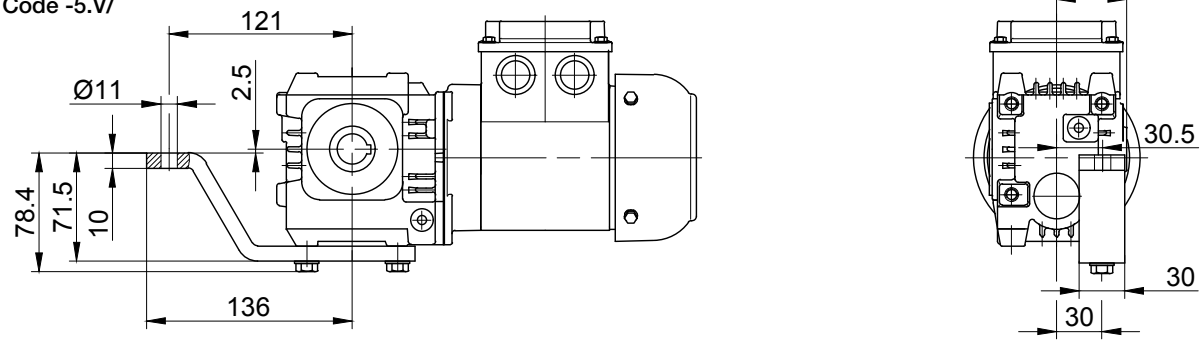
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS04	Code -3.V/	120	100	80	8	6.6	107.5	63	3	23.5	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS04-../S04S	142.5	24	110.5	277.5	90	112	321	365	408.5	-
BS04-../S..06 (M, L)	170.5	26	123	307.5	99	119	349.5	410	447.5	-
Dimensions in millimetres (mm)										

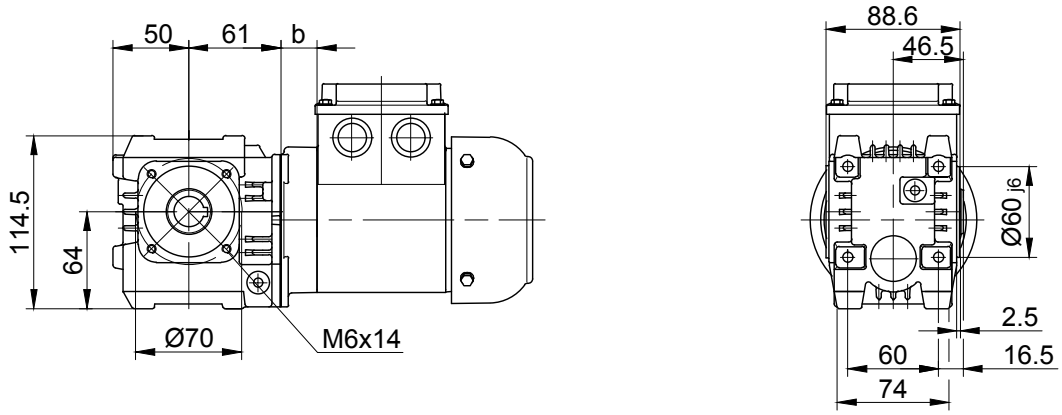
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS04

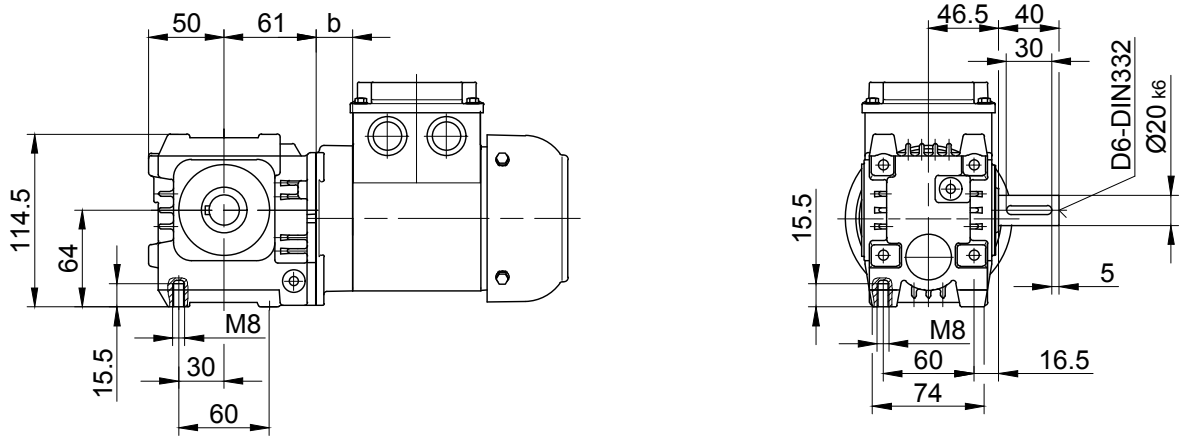
Torque arm at front
Code -5.V/



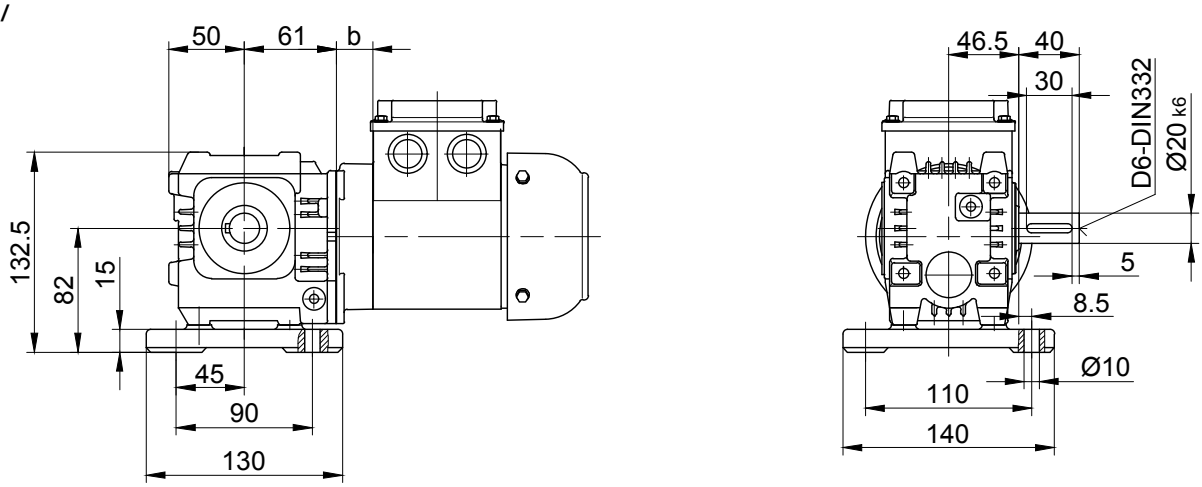
Flange with tapped holes holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

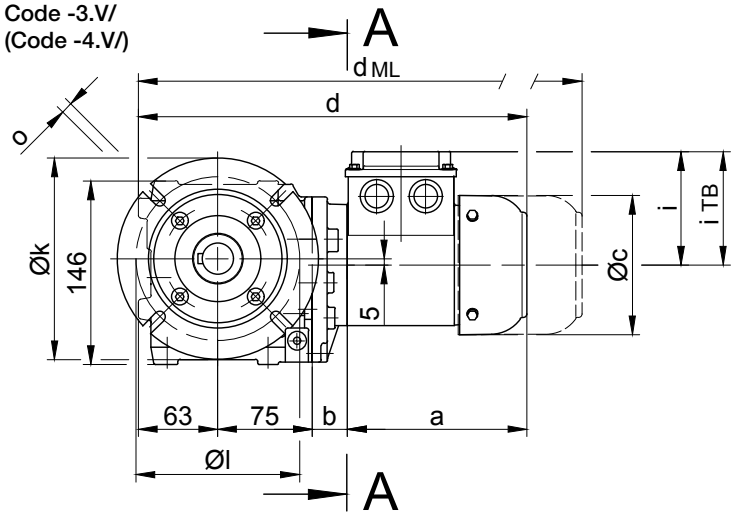
BS-series worm-geared motors

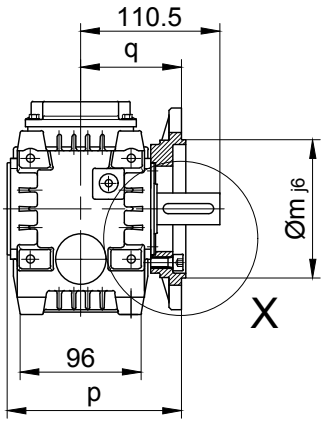
Dimension - Standard

BS06

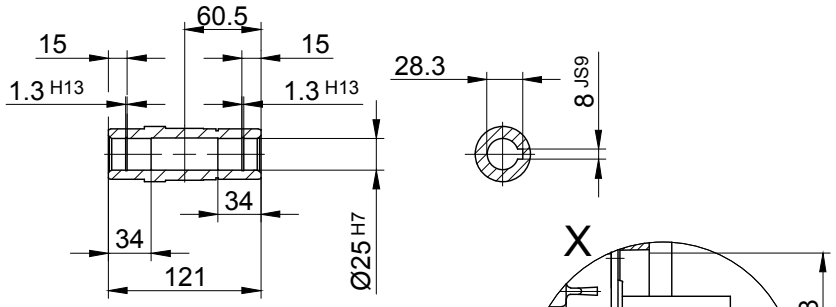
Flange with clearance holes at front

Code -3.V/
(Code -4.V/)

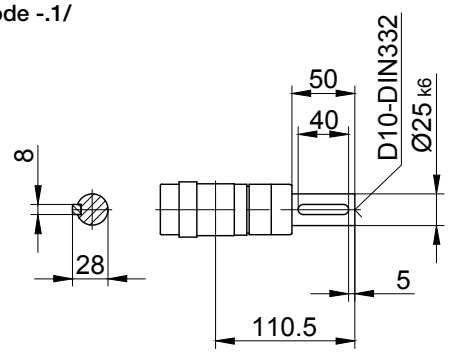




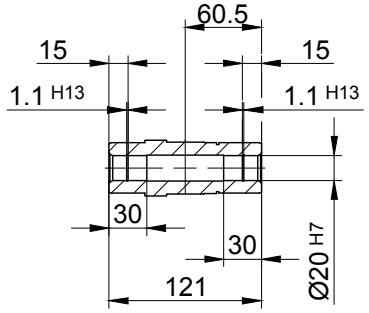
Code -.4/
Standard



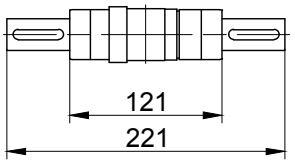
Code -.1/

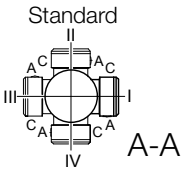


Code -.4/K20



Code -.3/





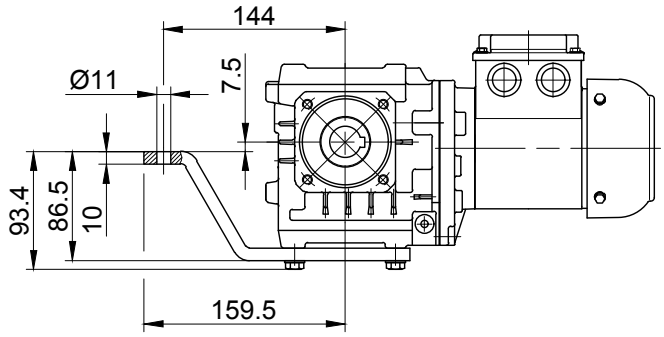
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS06..	Code -3.V/	140	115	95	10	9	138.3	80	3	30.5	-
BS06..	Code -4.V/	160	130	110	10	9	138.3	80	3.5	30.5	-
Dimensions in millimetres (mm											

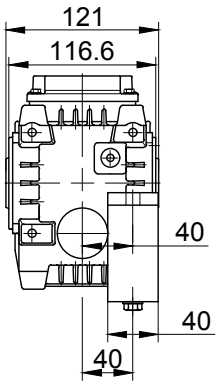
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS06-../S04S	142.5	28	110.5	308.5	90	112	352	396	439.5	-
BS06-../S..06 (M, L)	170.5	30	123	338.5	99	119	380.5	441	478.5	-
BS06-../S..08 (M, L)	199.5	74	156	411.5	114.5	136.5	477.5	523.5	585	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

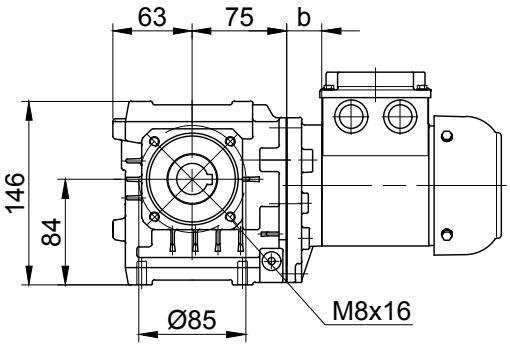
BS06

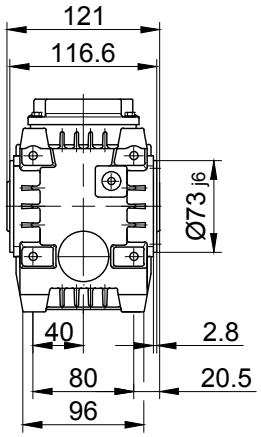
Torque arm at front
Code -5.V/



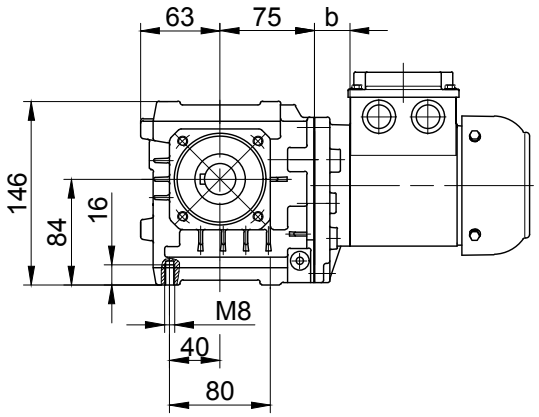


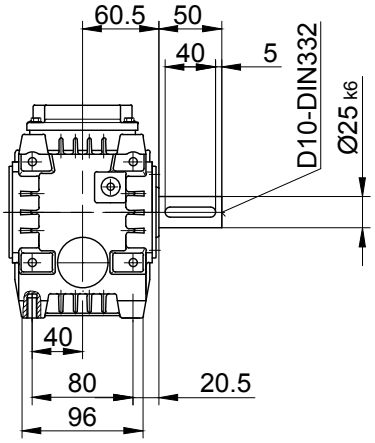
Flange with tapped holes at front
Code -7.V/



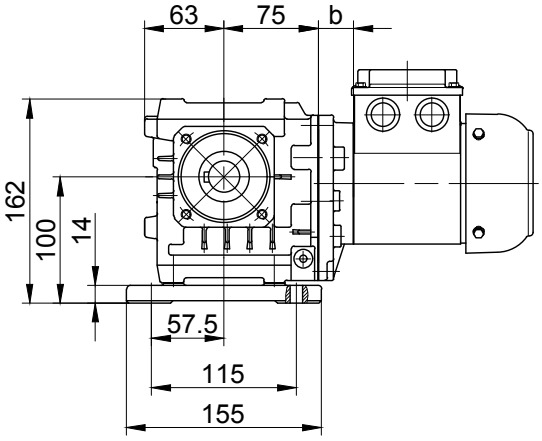


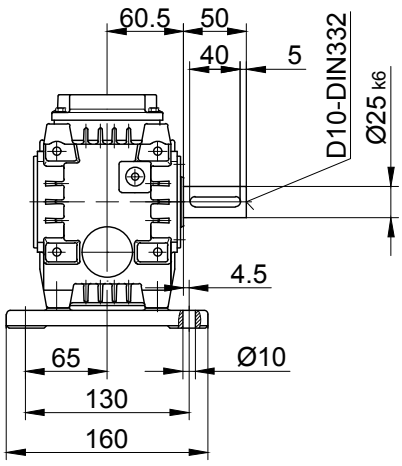
Foot with tapped holes at bottom
Code -6.U/





Foot with clearance holes at bottom
Code -1.U/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS-series worm-geared motors

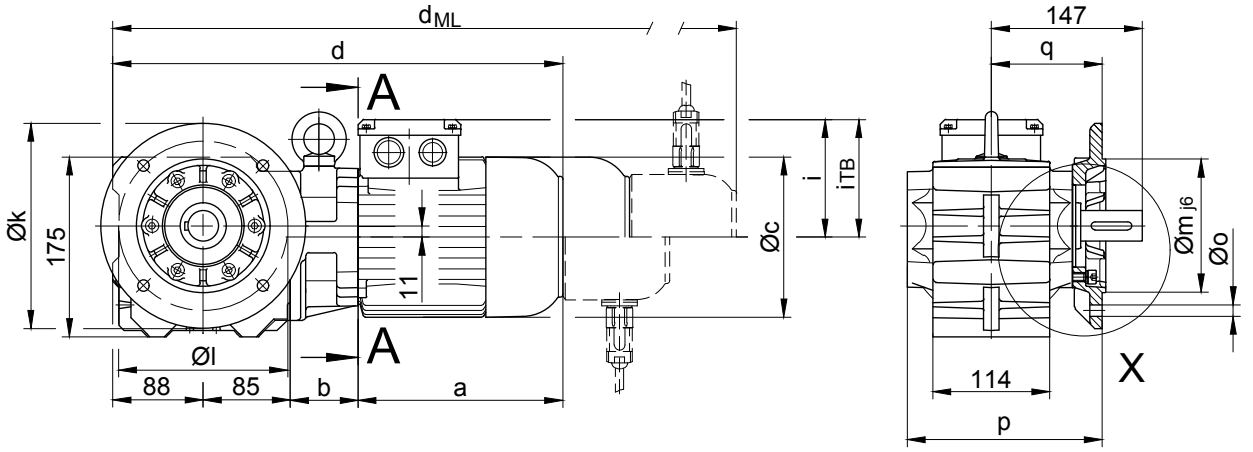
Dimension - Standard

BS10-BS10Z

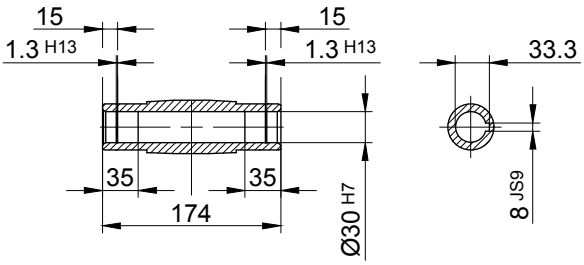
Flange with clearance holes at front

Code -3.V/

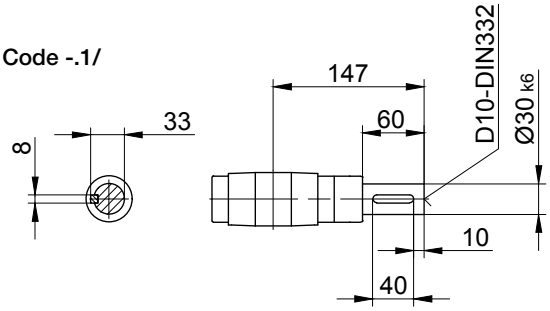
(Code -2.V/)

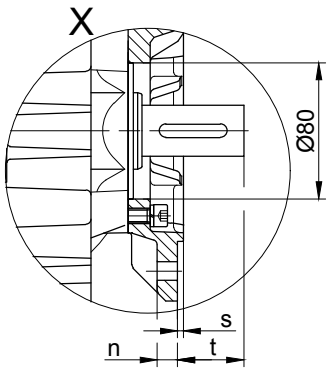


Code -.4/

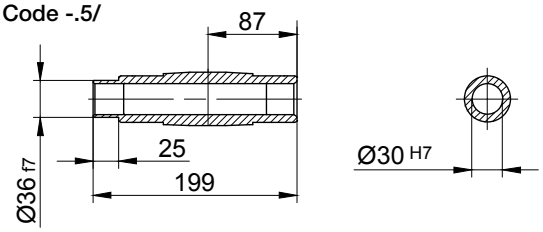


Code -.1/

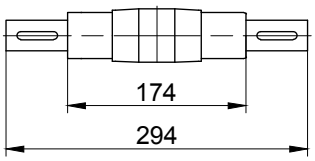


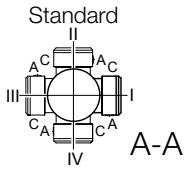


Code -.5/



Code -.3/





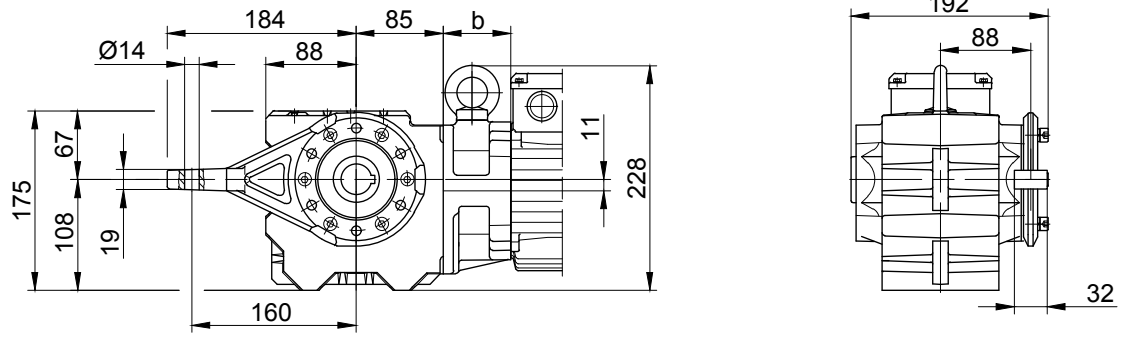
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS10..	Code -3.V/	200	165	130	12	11	190	108	3.5	39	-
BS10..	Code -2.V/	160	130	110	10	9	183	101	3.5	46	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS10Z-../S04S	142.5	86	110.5	401.5	90	112	445	489	532.5	-
BS10-../S..06 (M, L)	170.5	62	123	405.5	99	119	447.5	508	545.5	-
BS10Z-../S..06 (M, L)	170.5	88	123	431.5	99	119	473.5	534	571.5	-
BS10-../S..08 (M, L)	199.5	66	156	438.5	114.5	136.5	504.5	550.5	612	-
BS10Z-../S..08 (M, L)	199.5	132	156	504.5	114.5	136.5	570.5	616.5	678	-
BS10-../S..09 (S, X)	250.5	80.5	176	504	124	157	597	611.5	701	-
Dimensions in millimetres (mm)										

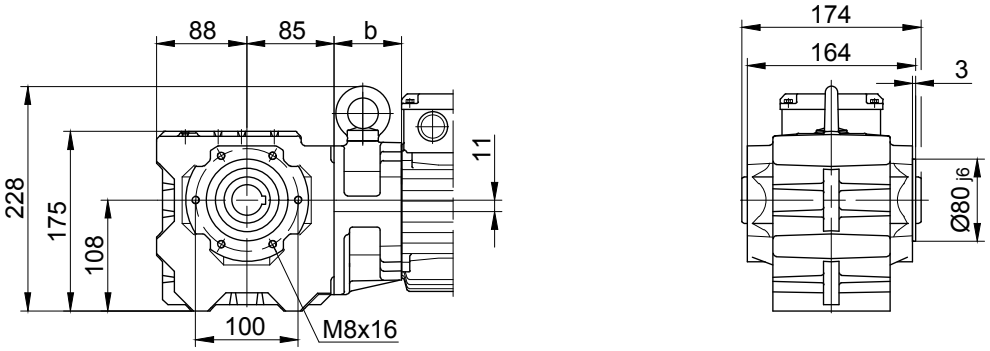
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS10-BS10Z

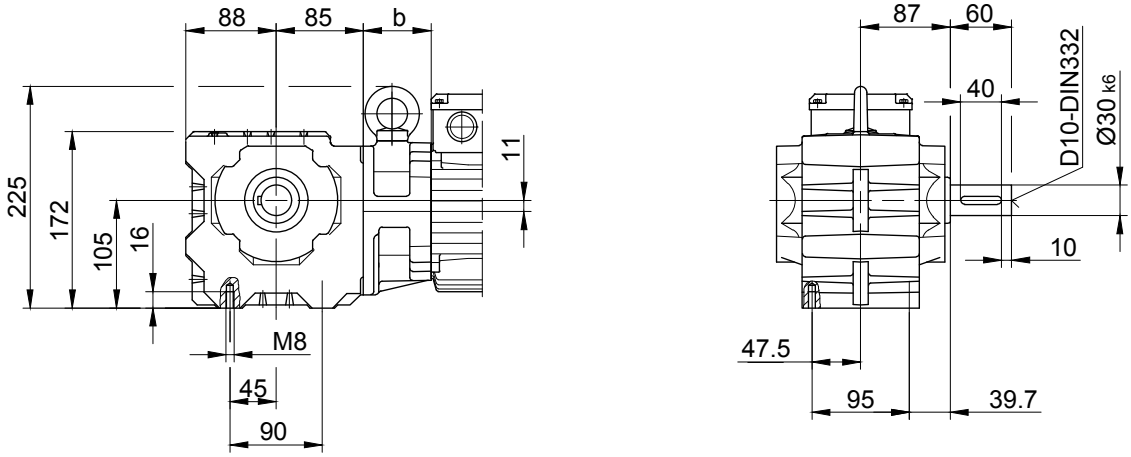
Torque arm at front
Code -5.V/



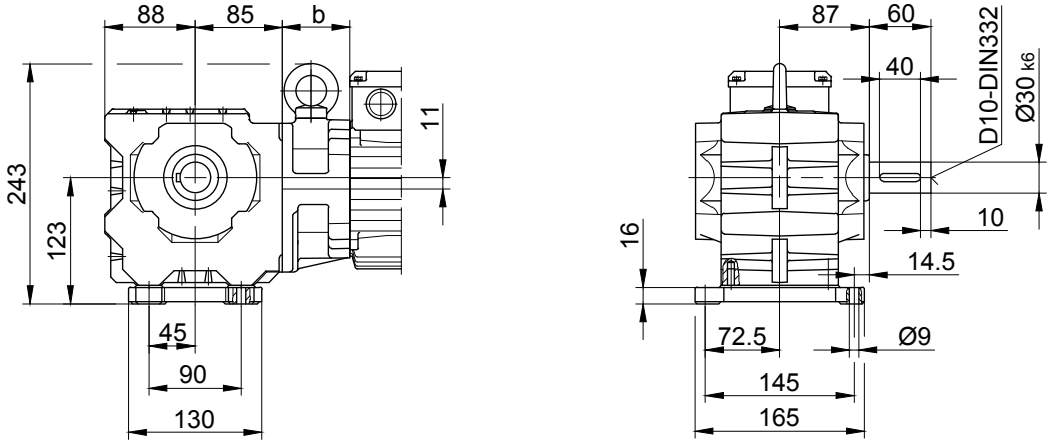
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

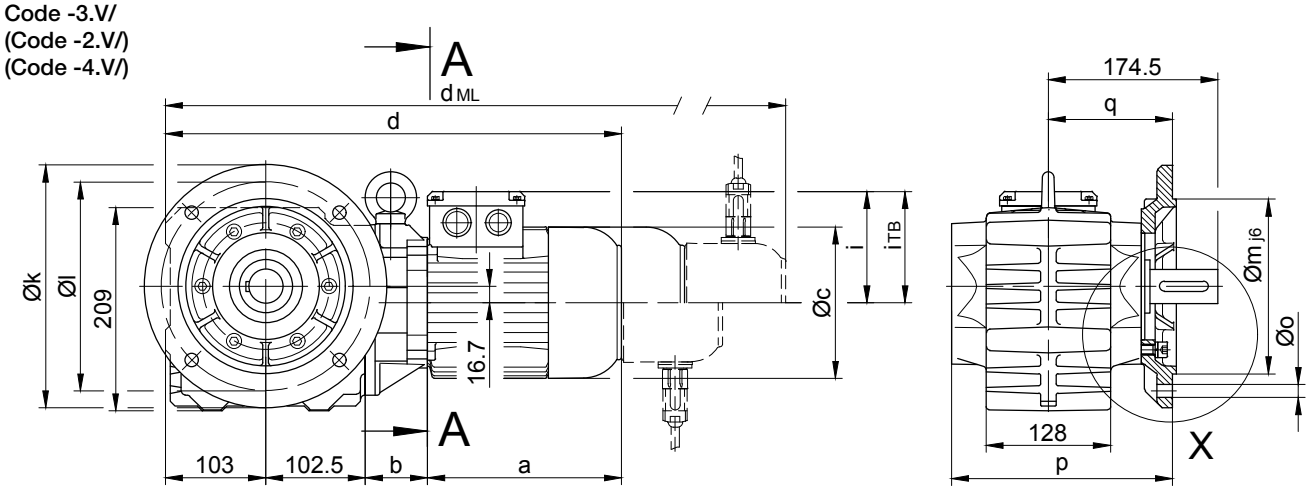
BS-series worm-geared motors

Dimension - Standard

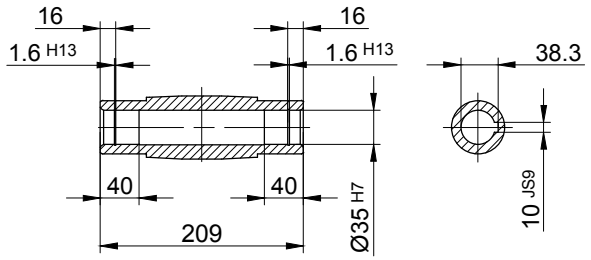
BS20-BS20Z

Flange with clearance holes at front

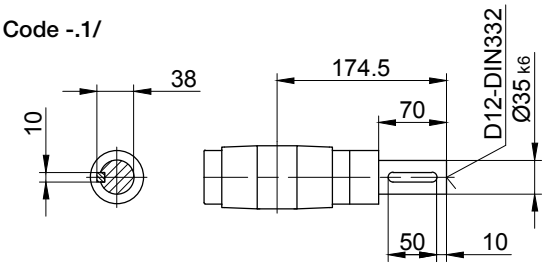
Code -3.V/
(Code -2.V/)
(Code -4.V/)

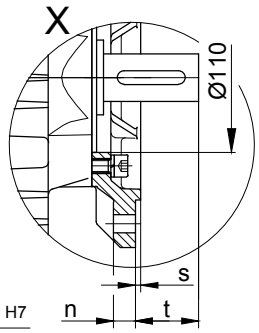


Code -.4/

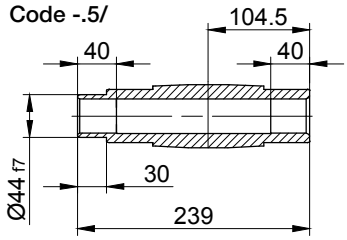


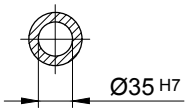
Code -.1/



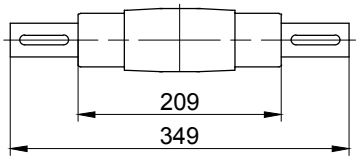


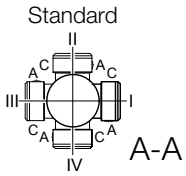
Code -.5/





Code -.3/





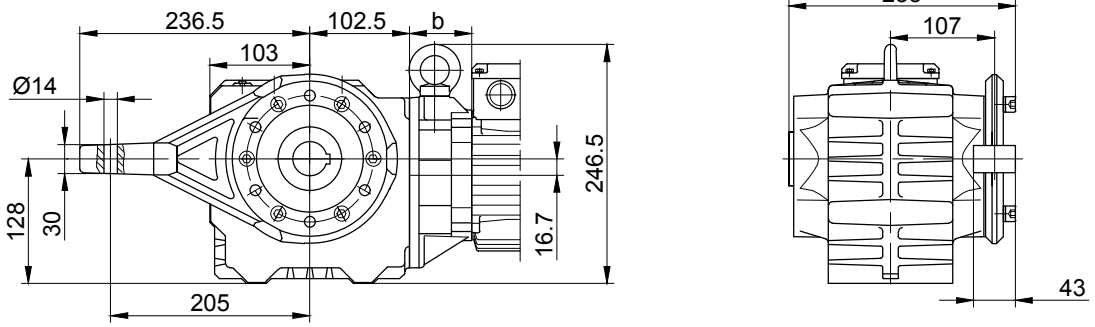
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS20..	Code -3.V/	250	215	180	16	13.5	227.5	128	4	46.5	-
BS20..	Code -2.V/	200	165	130	12	11	224.5	125	3.5	49.5	-
BS20..	Code -4.V/	300	265	230	20	13.5	233.5	134	4	40.5	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS20Z-../S04S	142.5	100	110.5	448	90	112	491.5	535.5	579	-
BS20-../S..06 (M, L)	170.5	60	123	436	99	119	478	538.5	576	-
BS20Z-../S..06 (M, L)	170.5	102	123	478	99	119	520	580.5	618	-
BS20-../S..08 (M, L)	199.5	64	156	469	114.5	136.5	535	581	642.5	-
BS20Z-../S..08 (M, L)	199.5	146	156	551	114.5	136.5	617	663	724.5	-
BS20-../S..09 (S, X)	250.5	78.5	176	534.5	124	157	627.5	642	731.5	-
Dimensions in millimetres (mm)										

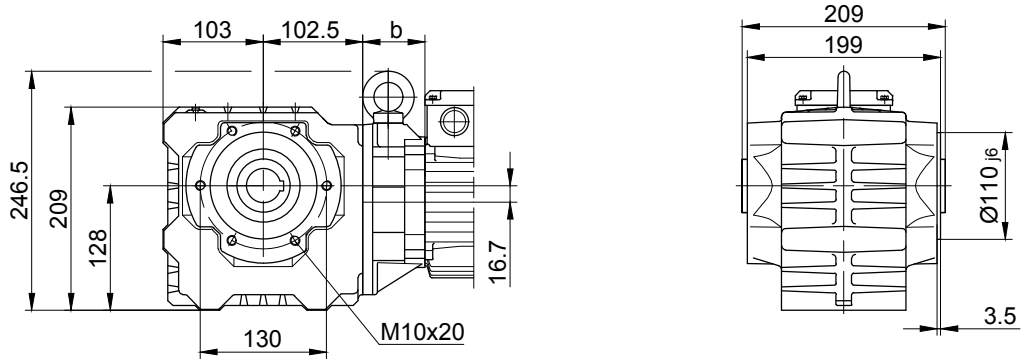
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS20-BS20Z

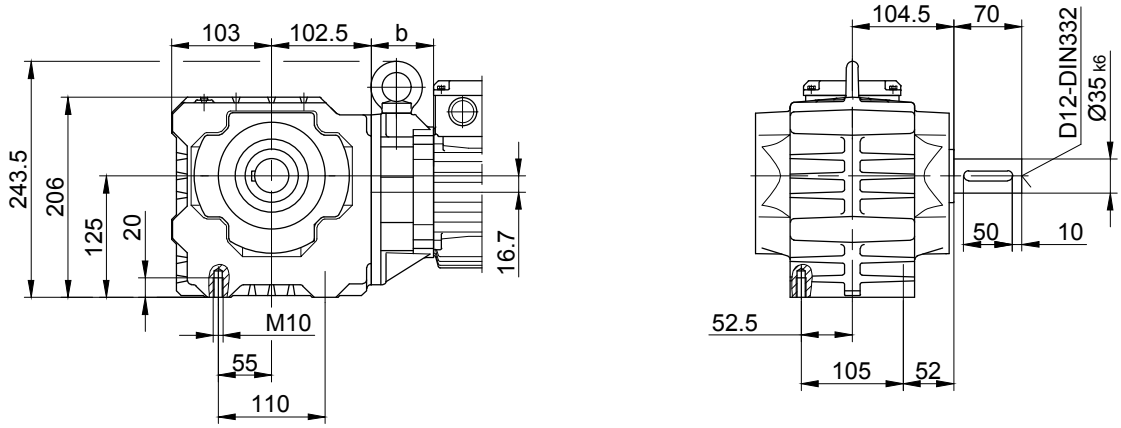
Torque arm at front
Code -5.V/



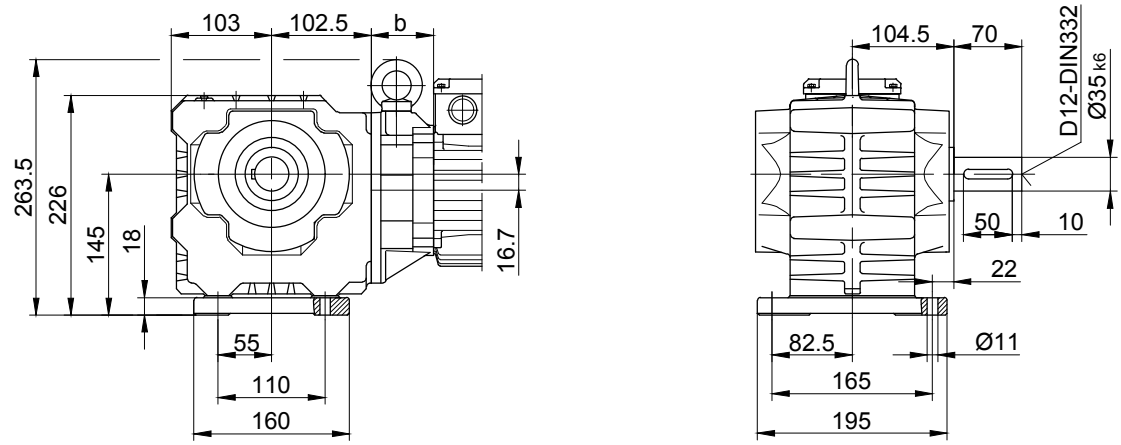
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

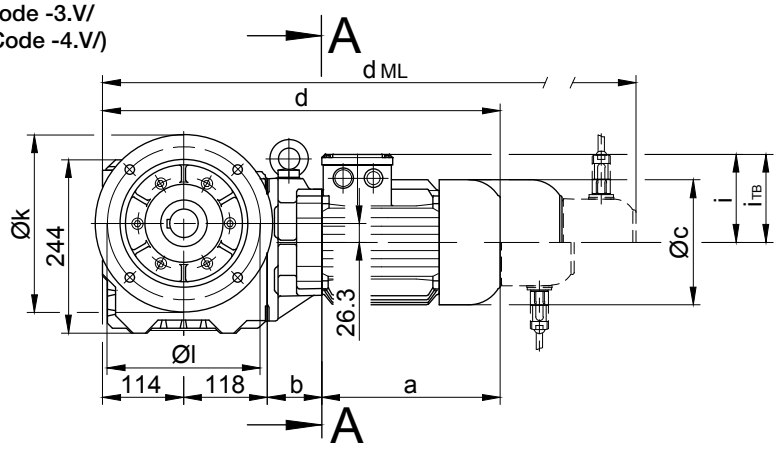
BS-series worm-geared motors

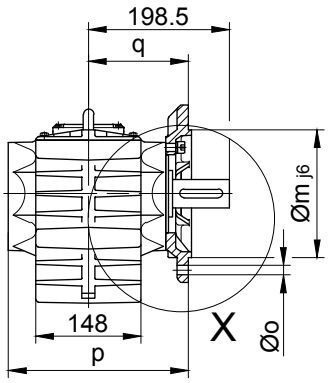
Dimension - Standard

BS30-BS30Z

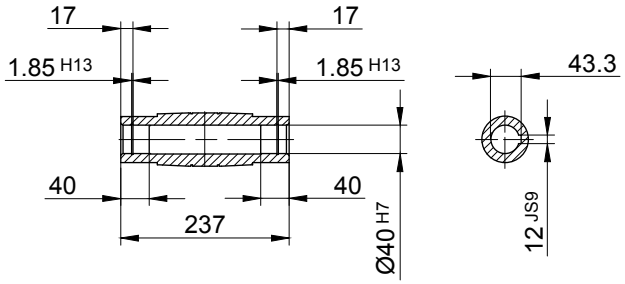
Flange with clearance holes at front

Code -3.V/
(Code -4.V/)

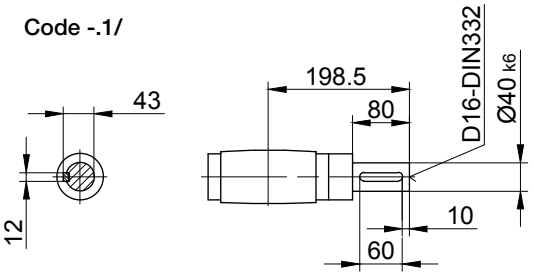




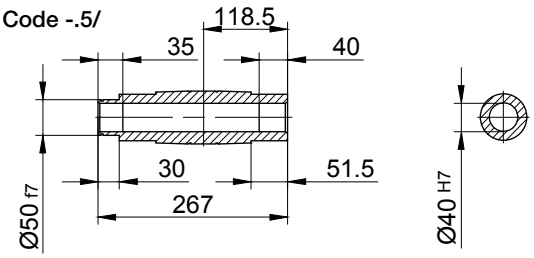
Code -.4/

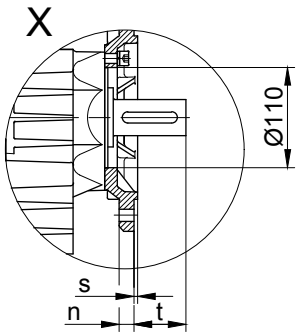


Code -.1/

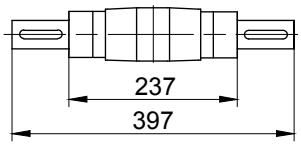


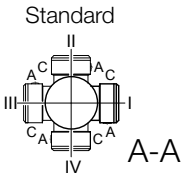
Code -.5/





Code -.3/





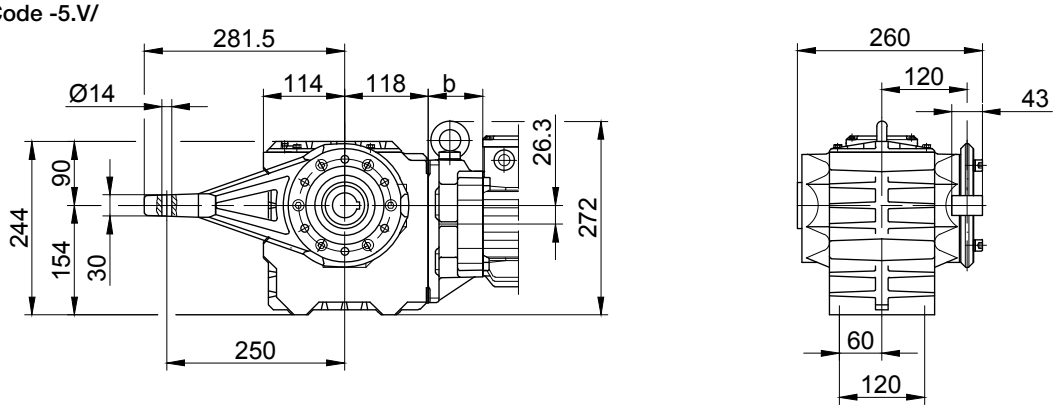
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS30..	Code -3.V/	250	215	180	16	13.5	253.5	141	4	57.5	-
BS30..	Code -4.V/	300	265	230	20	13.5	259.5	147	4	51.5	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS30-../S..06 (M, L)	170.5	58	123	460.5	99	119	502.5	563	600.5	-
BS30Z-../S..06 (M, L)	170.5	133.5	123	536	99	119	578	638.5	676	-
BS30-../S..08 (M, L)	199.5	62	156	493.5	114.5	136.5	559.5	605.5	667	-
BS30Z-../S..08 (M, L)	199.5	137.5	156	569	114.5	136.5	635	681	742.5	-
BS30-../S..09 (S, X)	250.5	76.5	176	559	124	157	652	666.5	756	-
BS30Z-../S..09 (S, X)	250.5	152	176	634.5	124	157	727.5	742	831.5	-
BS30-../S..11 (S, M, L)	319	83	218	634	165	176	732	741.5	834	-
Dimensions in millimetres (mm)										

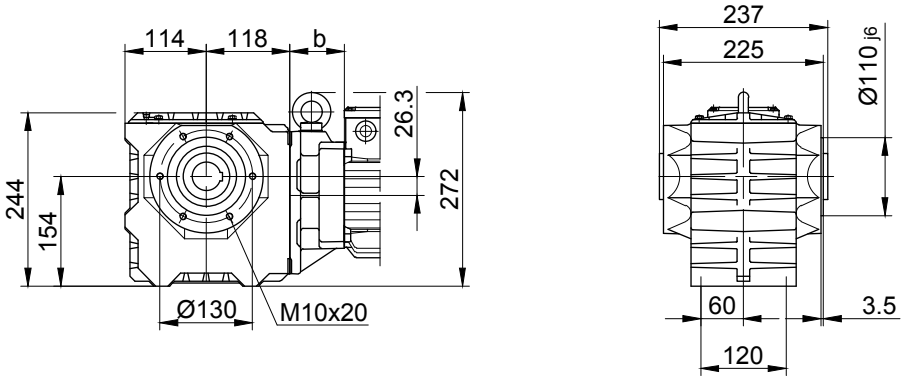
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS30-BS30Z

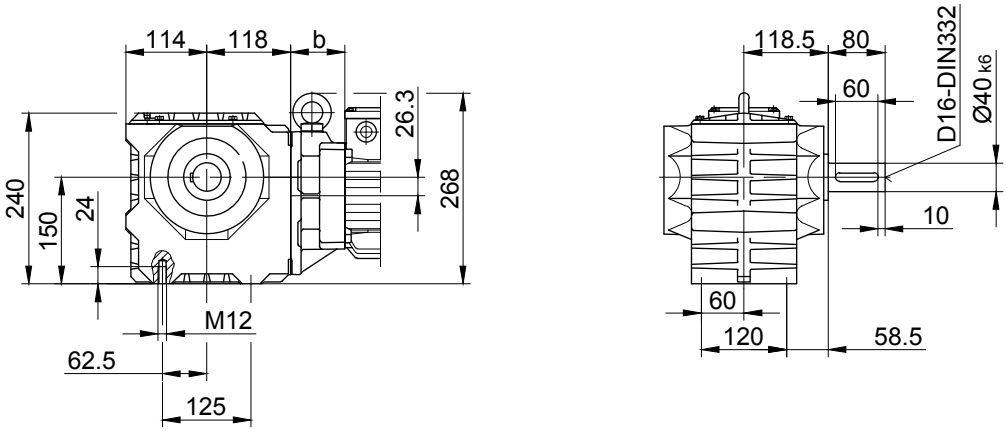
Torque arm at front
Code -5.V/



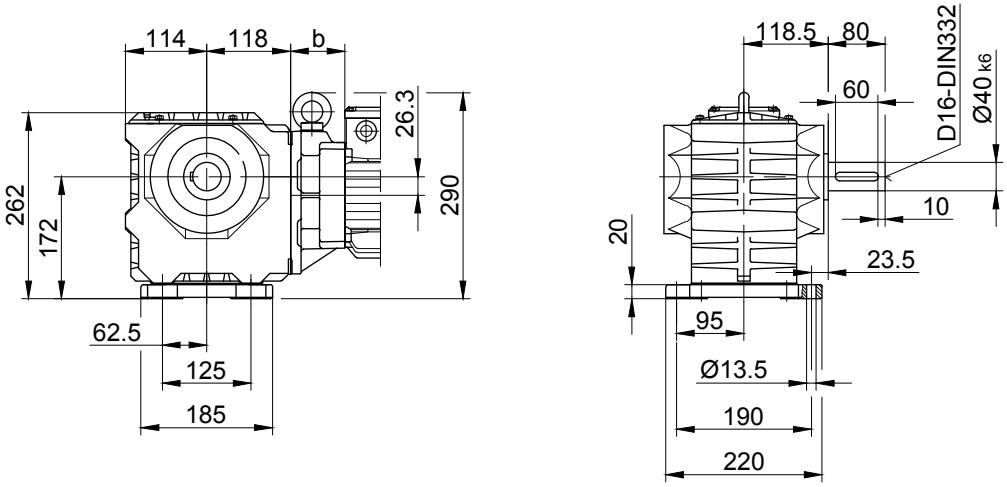
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

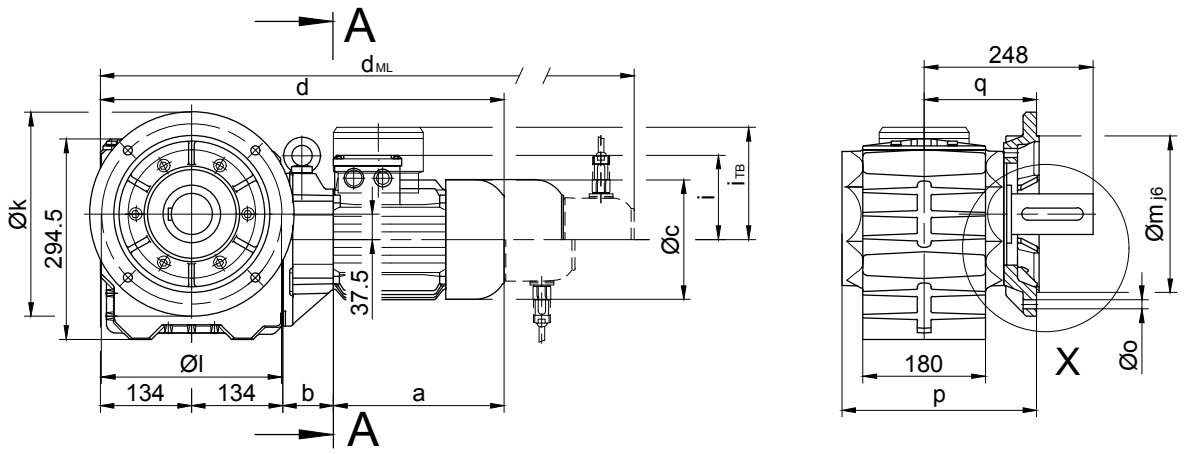
BS-series worm-geared motors

Dimension - Standard

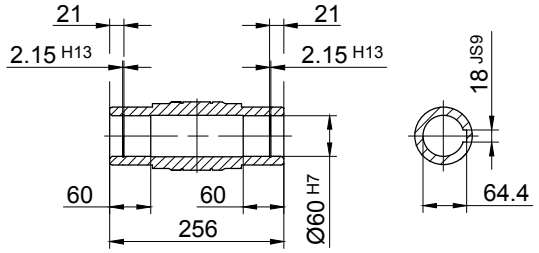
BS40-BS40Z

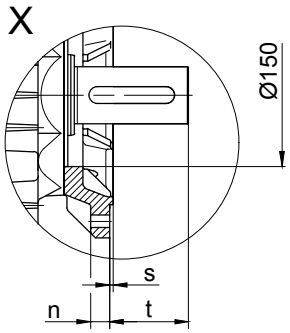
Flange with clearance holes at front

Code -3.V/

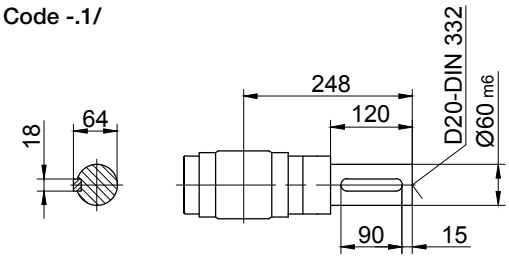


Code -.4/

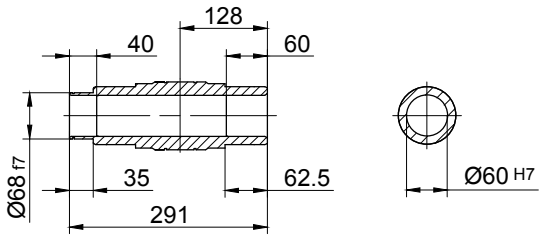




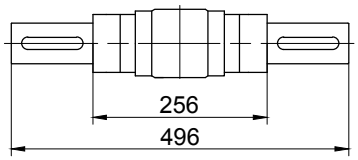
Code -.1/



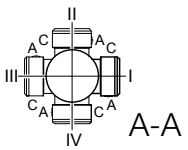
Code -.5/



Code -.3/



Standard



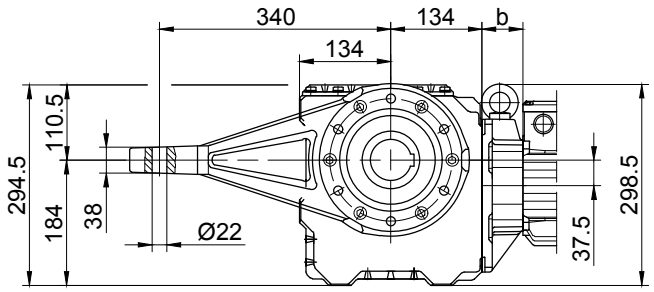
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS40..	Code -3.V/	300	265	230	20	13.5	286	165	4	83	-
Dimensions in millimetres (mm											

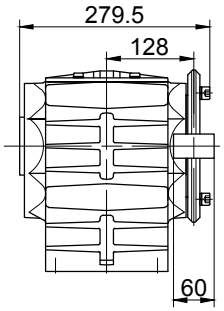
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS40Z-../S..06 (M, L)	170.5	138.5	123	577	99	119	619	679.5	717	-
BS40-../S..08 (M, L)	199.5	60	156	527.5	114.5	136.5	593.5	639.5	701	-
BS40Z-../S..08 (M, L)	199.5	142.5	156	610	114.5	136.5	676	722	783.5	-
BS40-../S..09 (S, X)	250.5	74.5	176	593	124	157	686	700.5	790	-
BS40Z-../S..09 (S, X)	250.5	157	176	675.5	124	157	768.5	783	872.5	-
BS40-../S..11 (S, M, L)	319	81	218	668	165	176	766	775.5	868	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

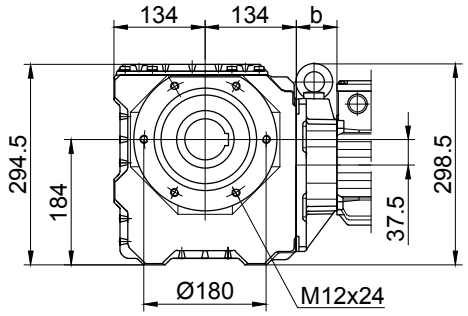
BS40-BS40Z

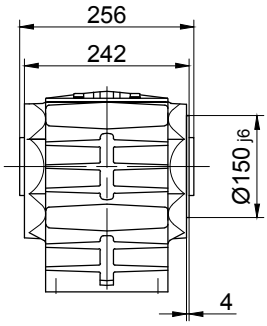
Torque arm at front
Code -5.V/



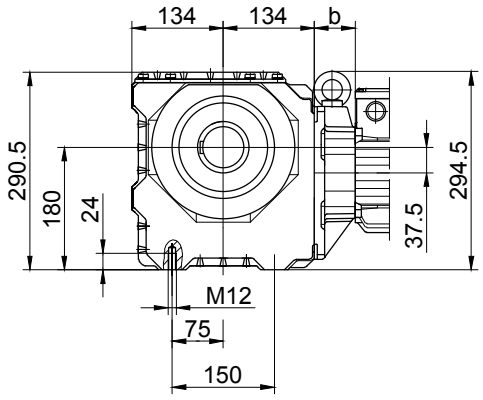


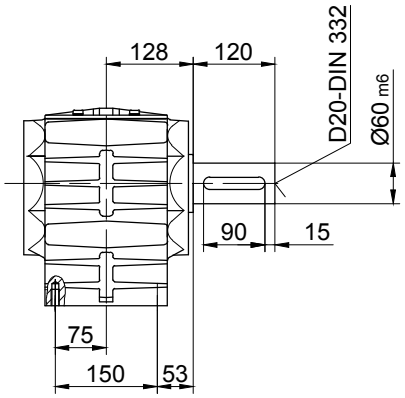
Flange with tapped holes at front
Code -7.V/



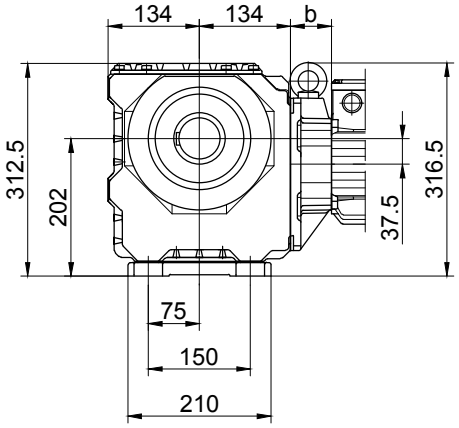


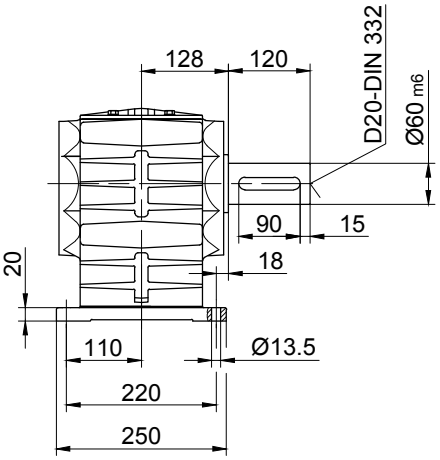
Foot with tapped holes at bottom
Code -6.U/





Foot with clearance holes at bottom
Code -1.U/





The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

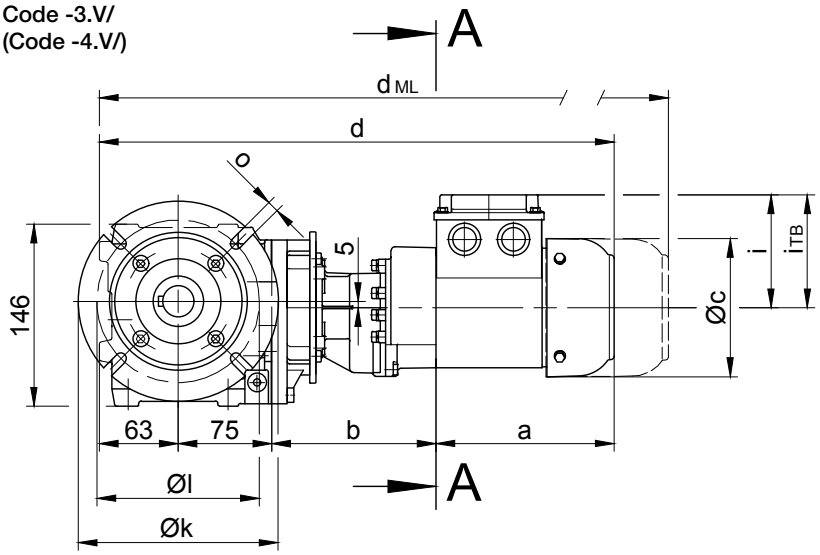
BS-series worm-geared motors

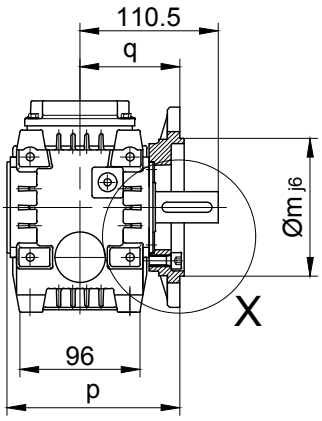
Dimension - Tandem Gearbox

BS06G04

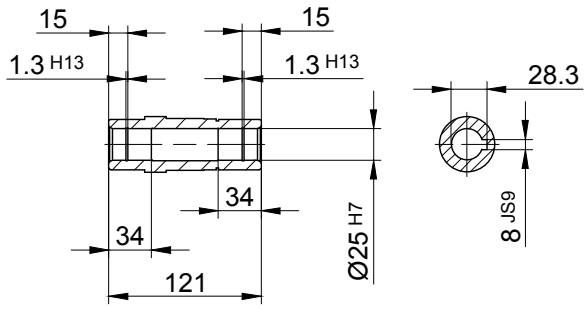
Flange with clearance holes at front

Code -3.V/
(Code -4.V/)

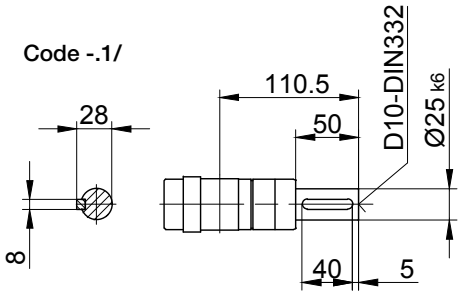


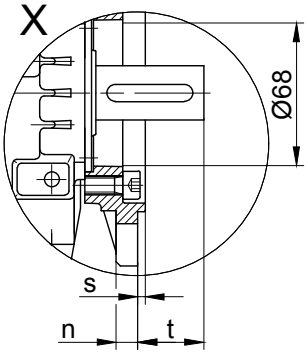


Code -.4/
Standard

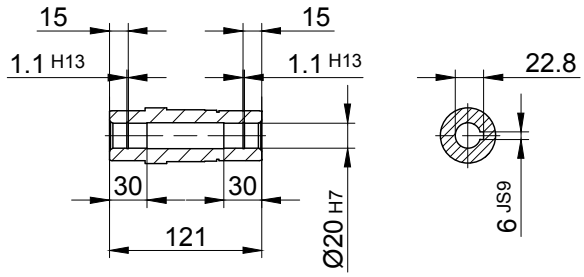


Code -.1/

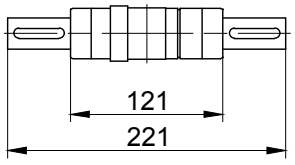


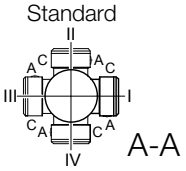


Code -.4/K20



Code -.3/





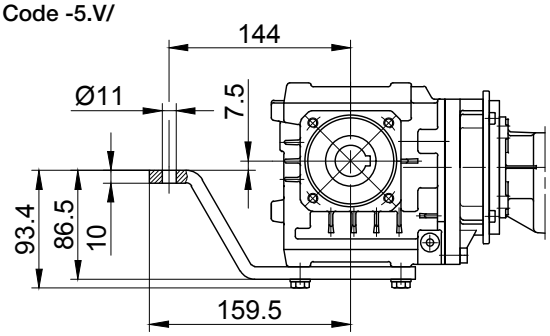
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS06..	Code -3.V/	140	115	95	10	9	138,3	80	3	30,5	-
BS06..	Code -4.V/	160	130	110	10	9	138,3	80	3,5	30,5	-
Dimensions in millimetres (mm											

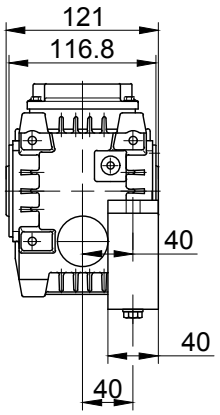
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS06G04-../S04S	142.5	131	110.5	411.5	90	112	455	499	542.5	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

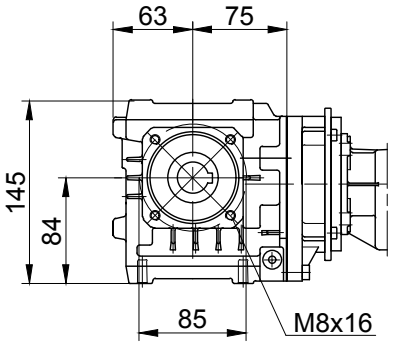
BS06G04

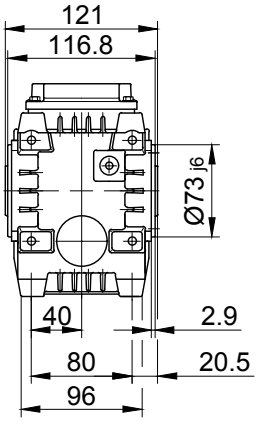
Torque arm at front
Code -5.V/



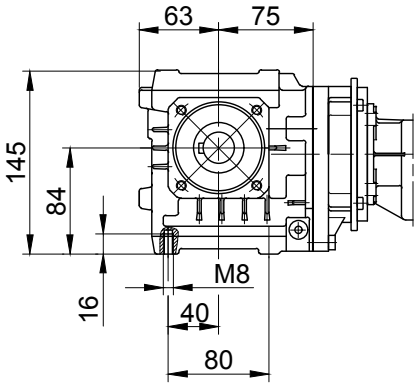


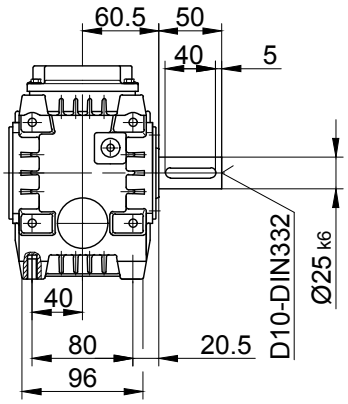
Flange with tapped holes at front
Code -7.V/



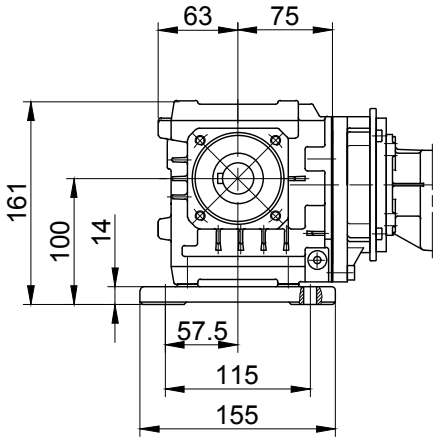


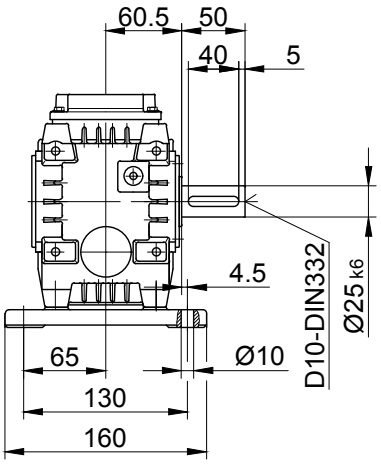
Foot with tapped holes at bottom
Code -6.U/





Foot with clearance holes at bottom
Code -1.U/





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The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

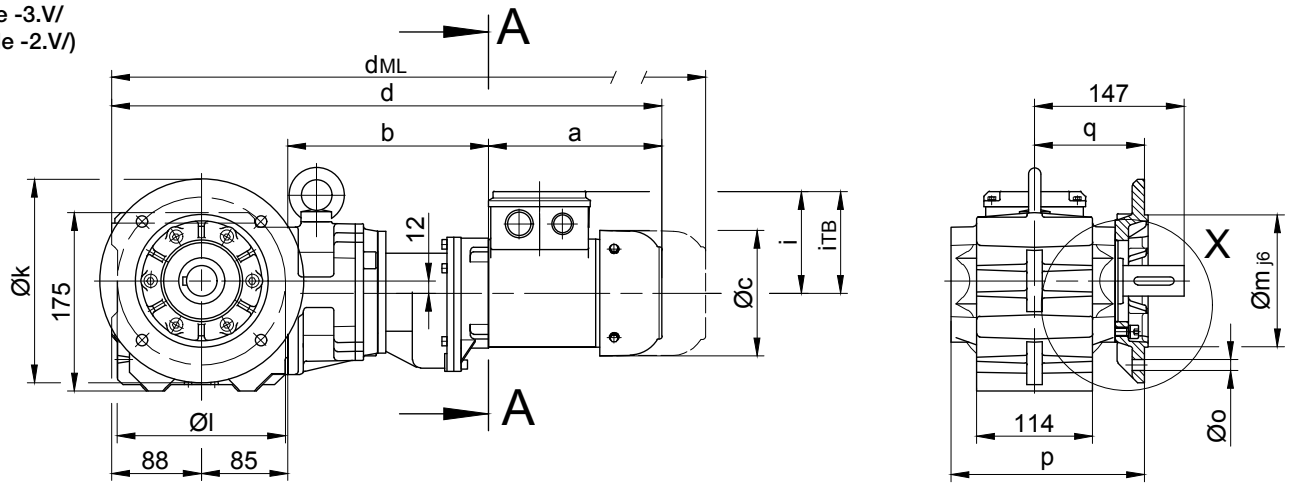
BS-series worm-geared motors

Dimension - Tandem Gearbox

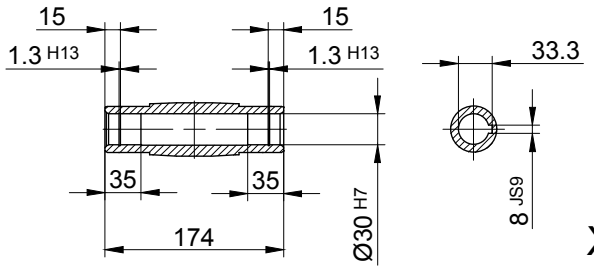
BS10G06

Flange with clearance holes at front

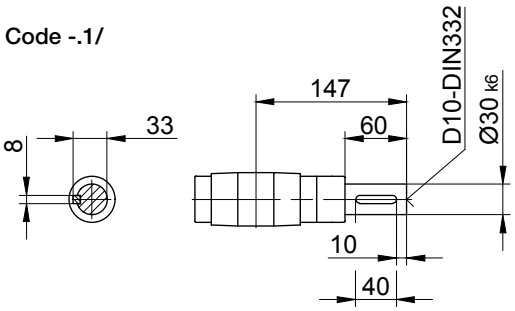
Code -3.V/
(Code -2.V/)



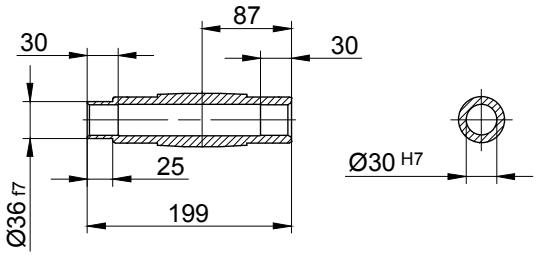
Code -.4/

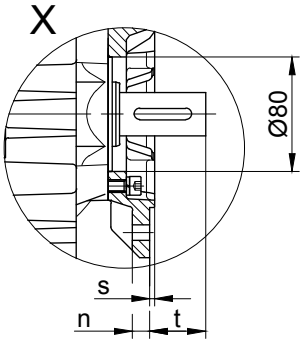


Code -.1/

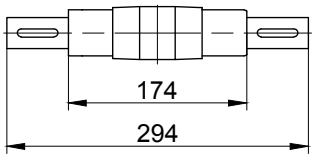


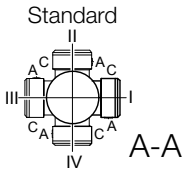
Code -.5/





Code -.3/





Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS10..	Code -3.V/	200	165	130	12	11	190	108	3,5	39	-
BS10..	Code -2.V/	160	130	110	10	9	183	101	3,5	46	-
Dimensions in millimetres (mm											

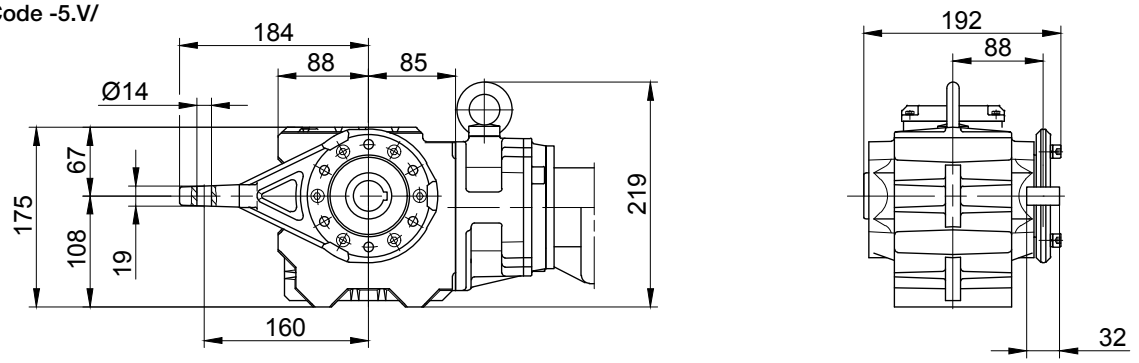
Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS10G06-../S04S	142.5	195	110.5	510.5	90	112	554	598	641.5	-
BS10G06-../S..06 (M, L)	170.5	197	123	540.5	99	119	582.5	643	680.5	-
BS10G06-../S..08 (M, L)	199.5	241	156	613.5	114.5	136.5	679.5	725.5	787	-
Dimensions in millimetres (mm)										

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS10G06

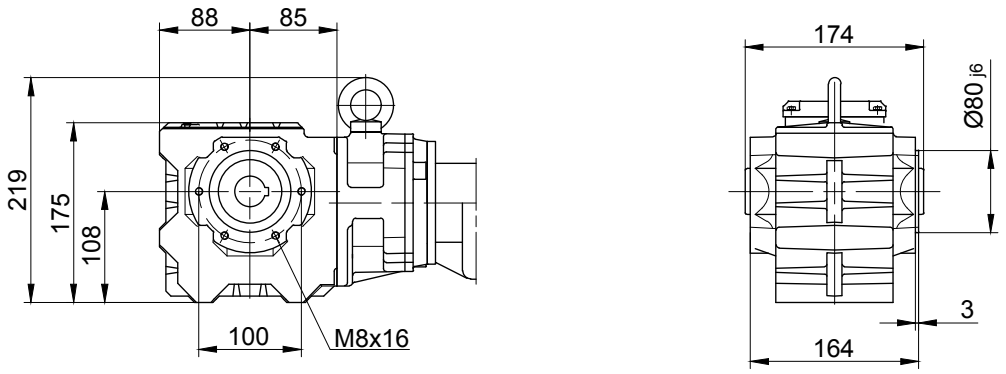
Torque arm at front

Code -5.V/



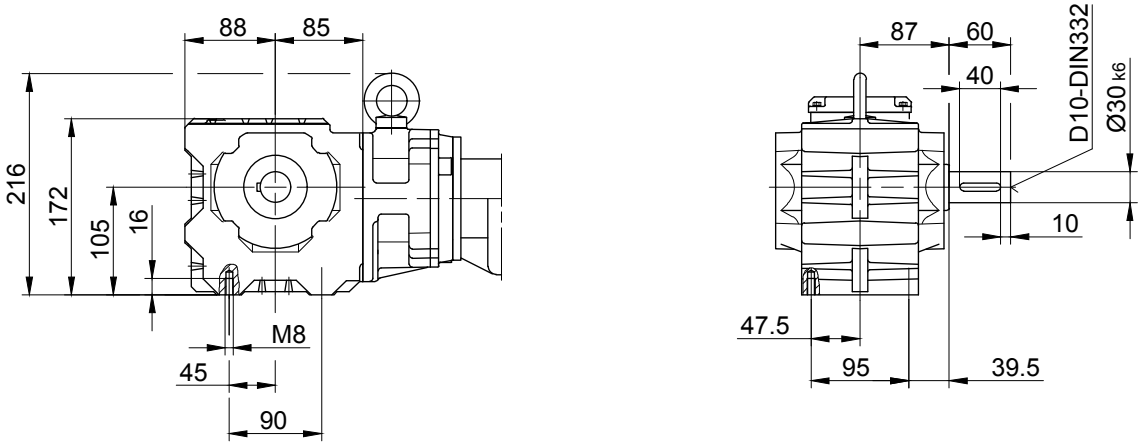
Flange with tapped holes at front

Code -7.V/



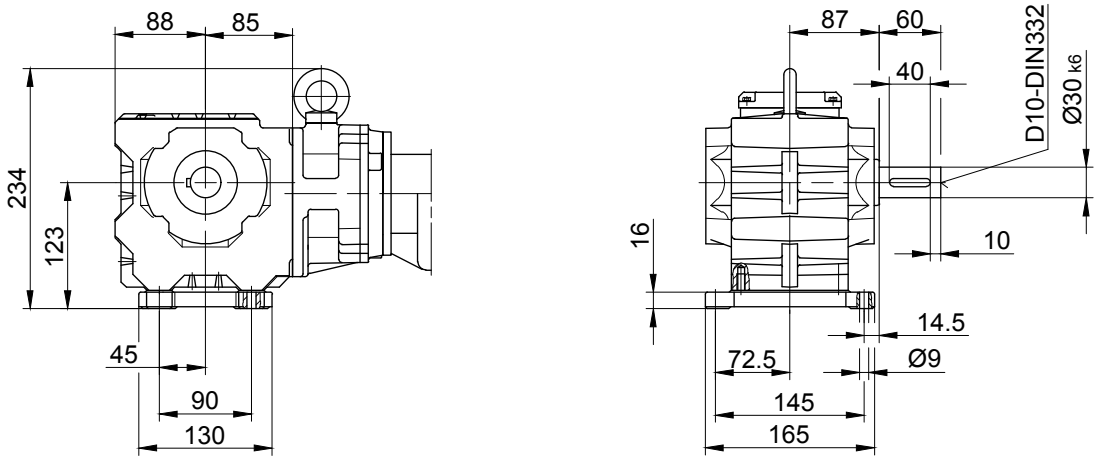
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

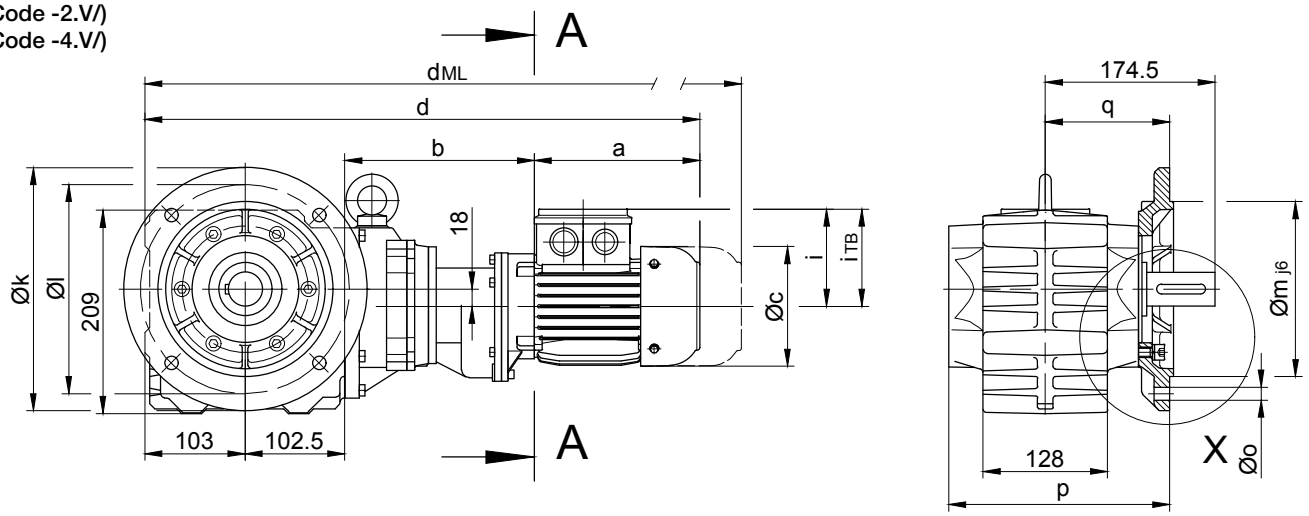
BS-series worm-geared motors

Dimension - Tandem Gearbox

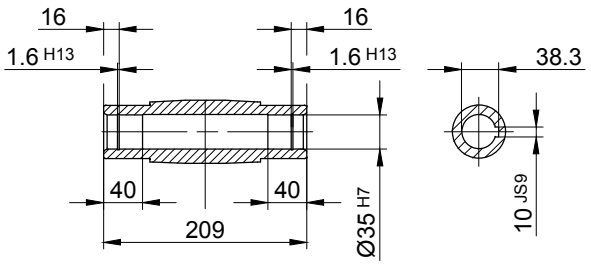
BS20G06

Flange with clearance holes at front

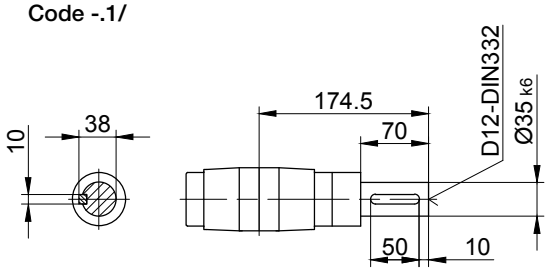
Code -3.V/
(Code -2.V/)
(Code -4.V/)

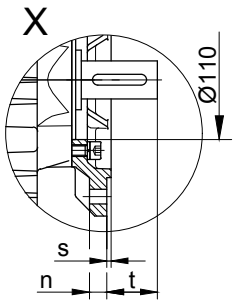


Code -.4/

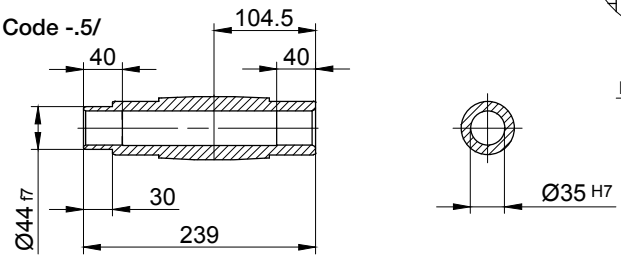


Code -.1/

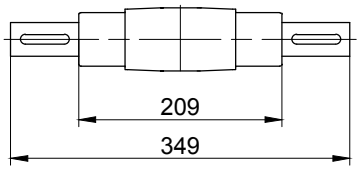


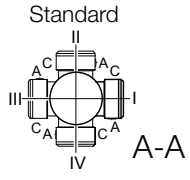


Code -.5/



Code -.3/





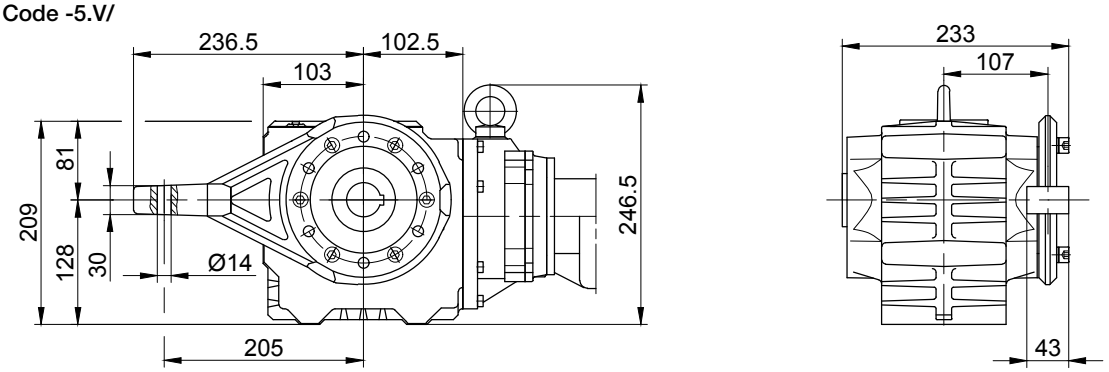
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS20..	Code -3.V/	250	215	180	16	13,5	227,5	128	4	46,5	-
BS20..	Code -2.V/	200	165	130	12	11	224,5	125	3,5	49,5	-
BS20..	Code -4.V/	300	265	230	20	13,5	233,5	134	4	40,5	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS20G06-../S04S	142.5	193	110.5	541	90	112	584.5	628.5	672	-
BS20G06-../S..06 (M, L)	170.5	195	123	571	99	119	613	673.5	711	-
BS20G06-../S..08 (M, L)	199.5	239	156	644	114.5	136.5	710	756	817.5	-
Dimensions in millimetres (mm)										

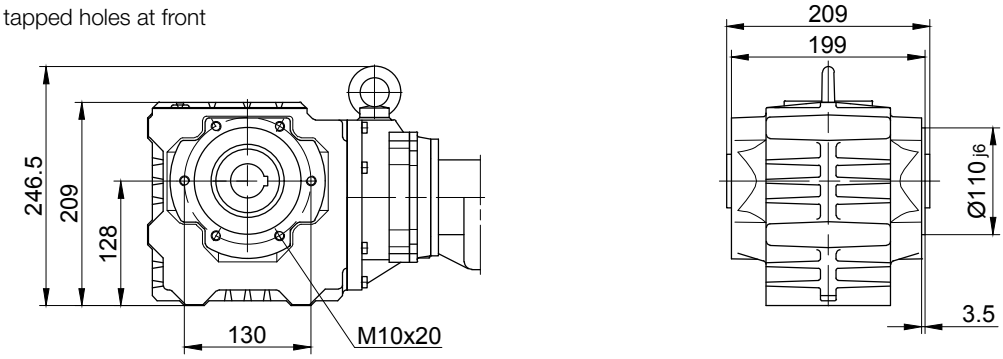
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS20G06

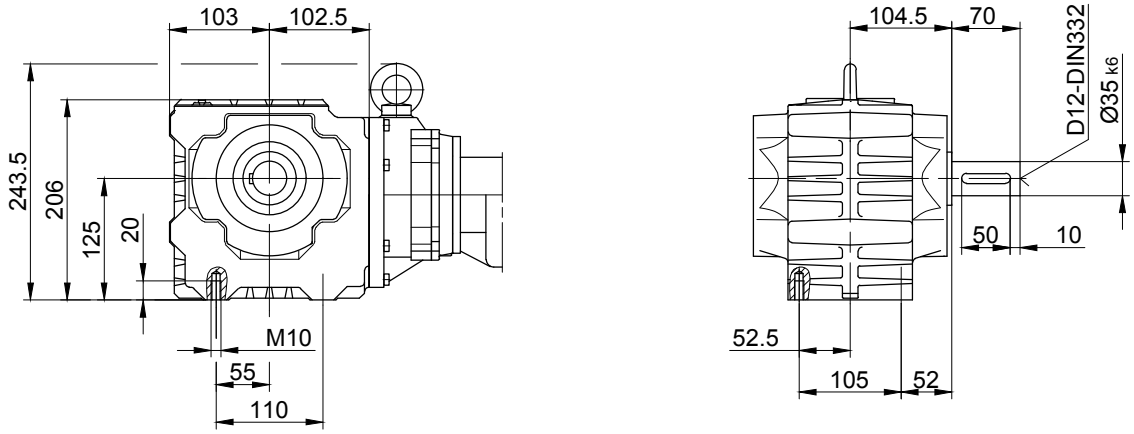
Torque arm at front
Code -5.V/



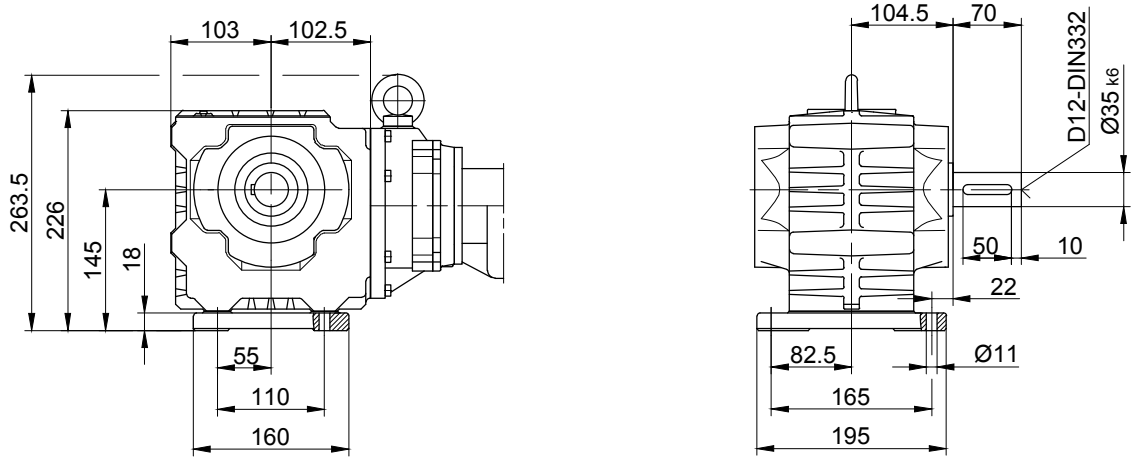
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

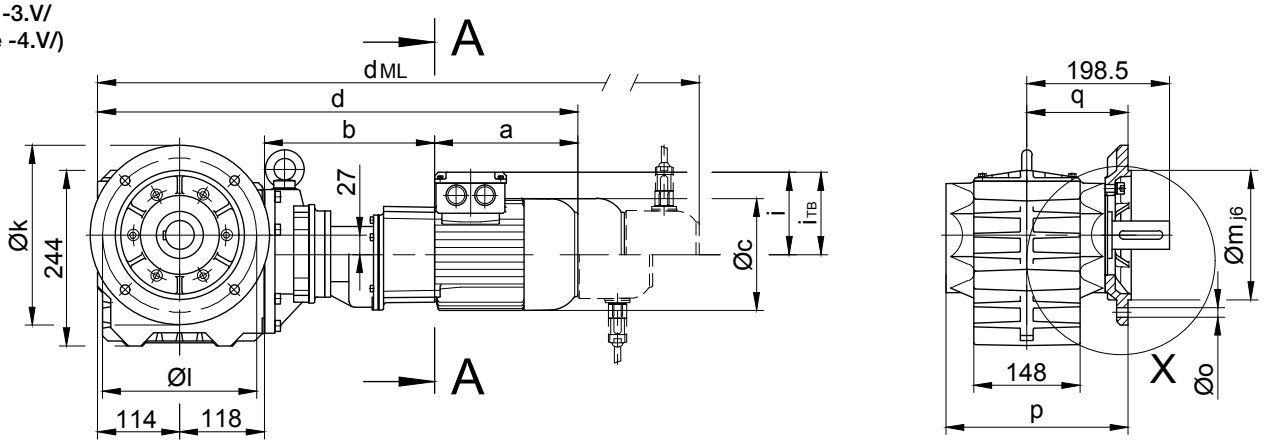
BS-series worm-geared motors

Dimension - Tandem Gearbox

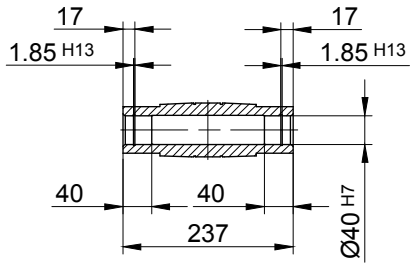
BS30G06

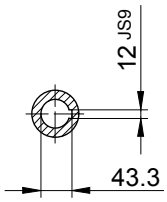
Flange with clearance holes at front

Code -3.V/
(Code -4.V/)

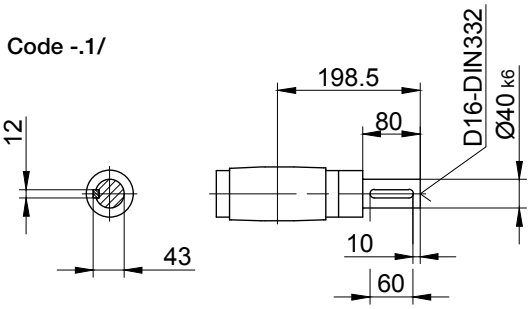


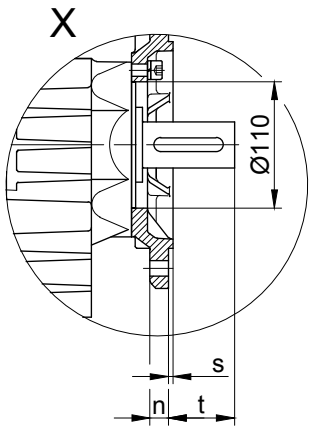
Code -.4/



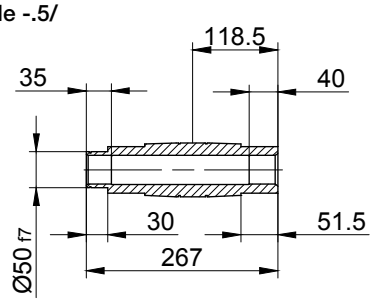


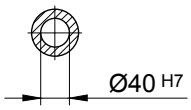
Code -.1/



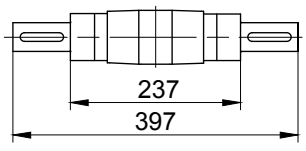


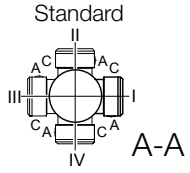
Code -.5/





Code -.3/





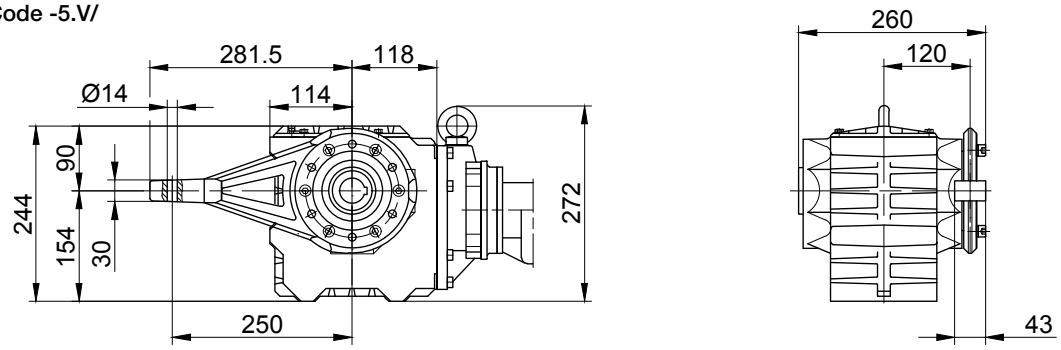
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS30..	Code -3.V/	250	215	180	16	13,5	253,5	141	4	57,5	-
BS30..	Code -4.V/	300	265	230	20	13,5	259,5	147	4	51,5	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS30G06-../S04S	142.5	191	110.5	565.5	90	112	609	653	696.5	-
BS30G06-../S..06 (M, L)	170.5	193	123	595.5	99	119	637.5	698	735.5	-
BS30G06-../S..08 (M, L)	199.5	237	156	668.5	114.5	136.5	734.5	780.5	842	-
Dimensions in millimetres (mm)										

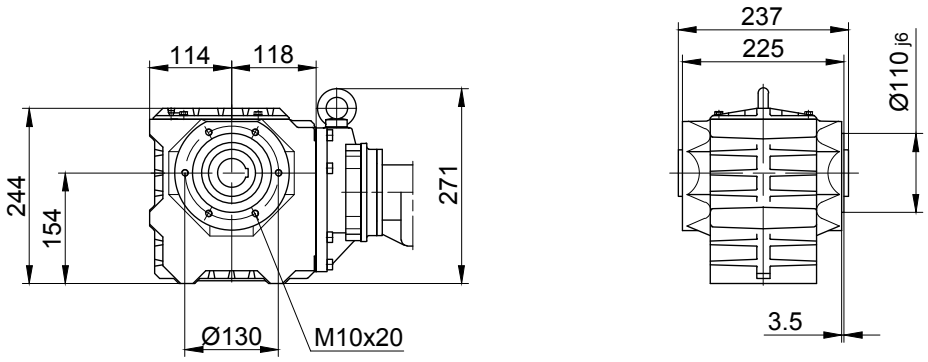
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS30G06

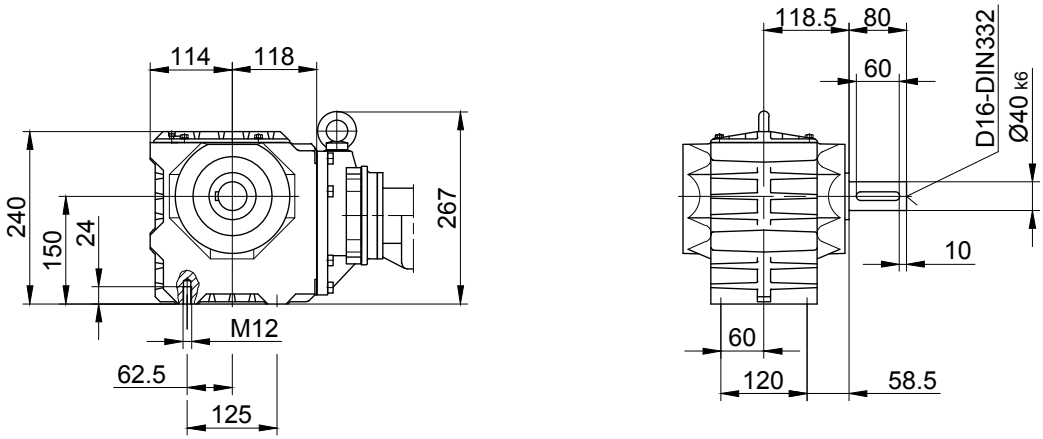
Torque arm at front
Code -5.V/



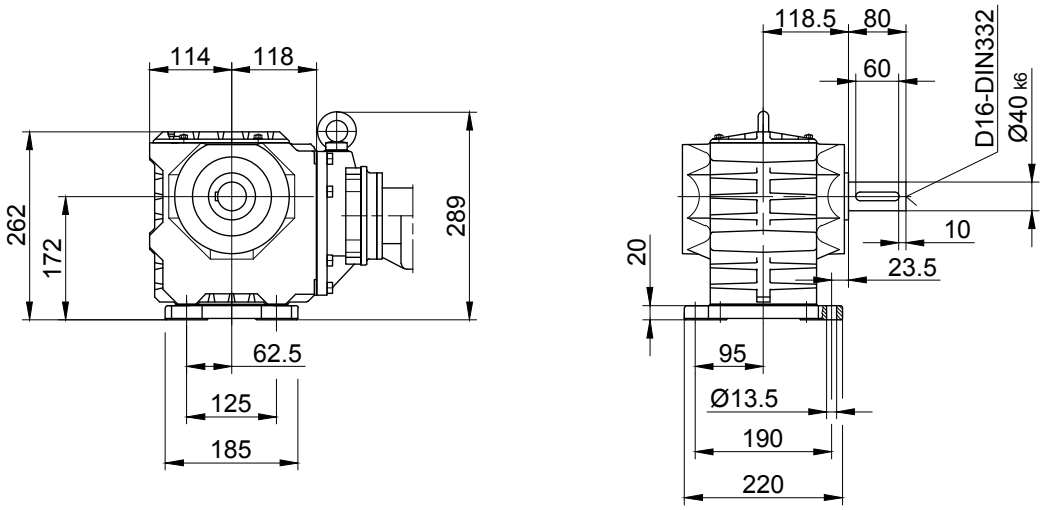
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

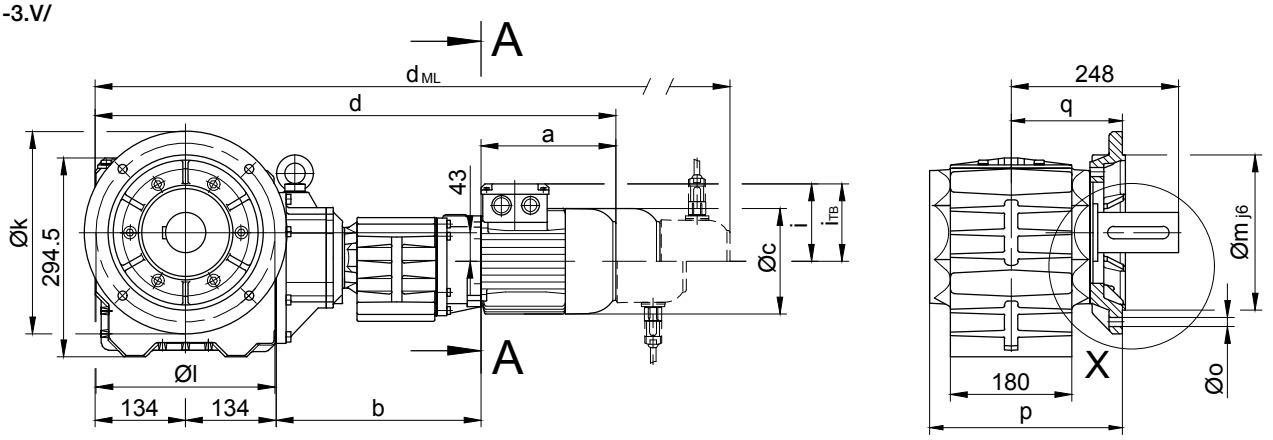
BS-series worm-geared motors

Dimension - Tandem Gearbox

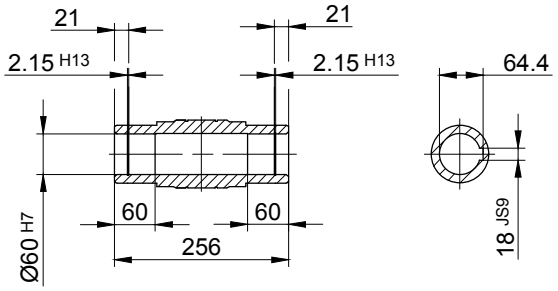
BS40G10

Flange with clearance holes at front

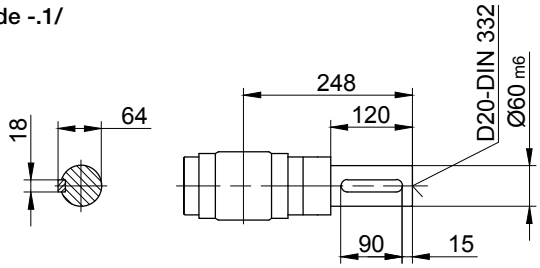
Code -3.V/

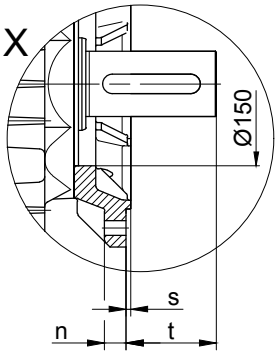


Code -.4/

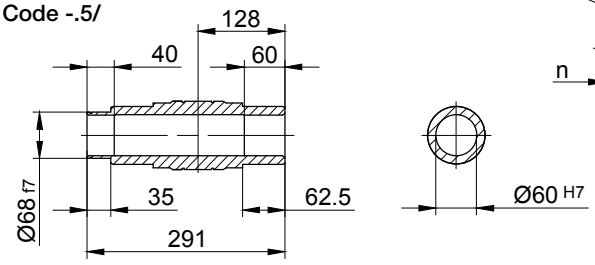


Code -.1/

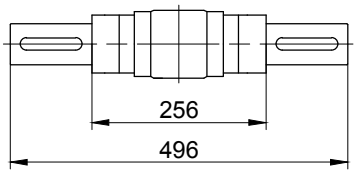


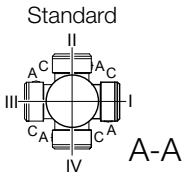


Code -.5/



Code -.3/





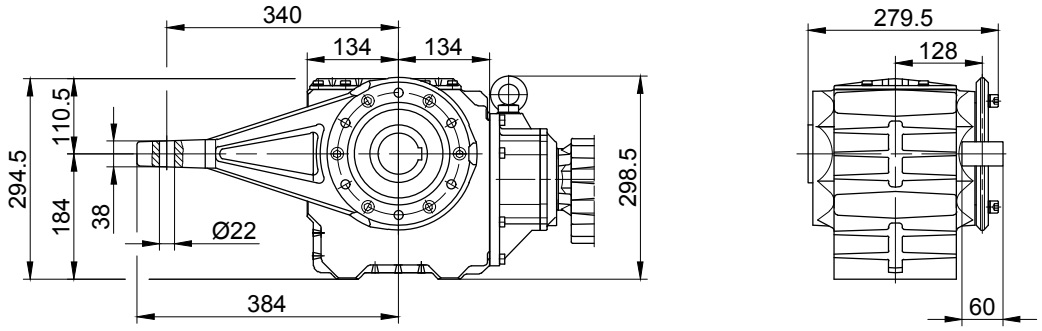
Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	z
BS40..	Code -3.V/	300	265	230	20	13,5	286	165	4	83	-
Dimensions in millimetres (mm											

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BS40G10-../S..06 (M, L)	170.5	300	123	738.5	99	119	780.5	841	878.5	-
BS40G10-../S..08 (M, L)	199.5	304	156	771.5	114.5	136.5	837.5	883.5	945	-
BS40G10-../S..09 (S, X)	250.5	318.5	176	837	124	157	930	944.5	1034	-
Dimensions in millimetres (mm)										

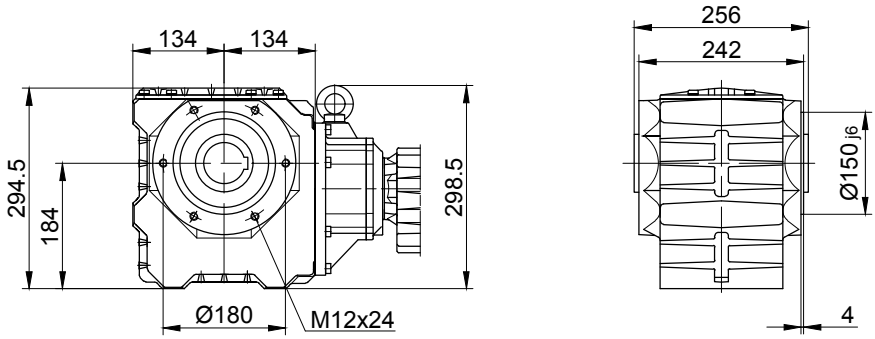
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS40G10

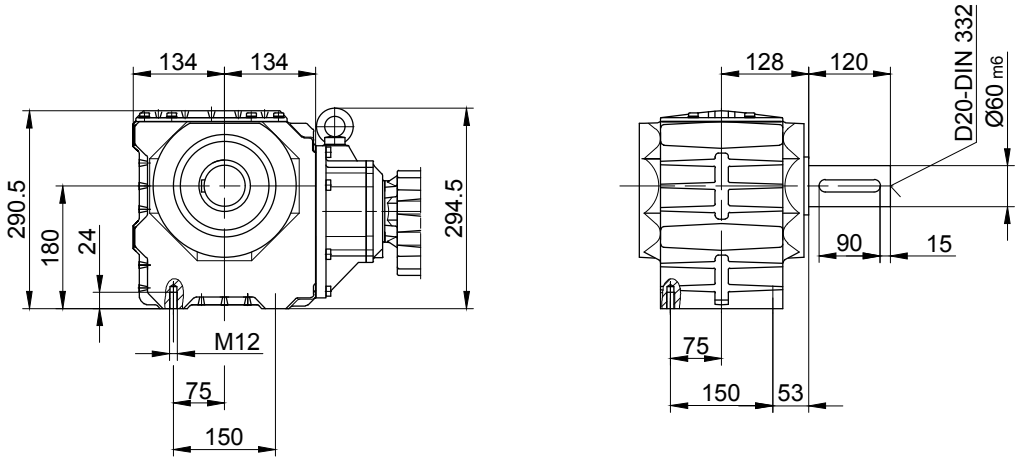
Torque arm at front
Code -5.V/



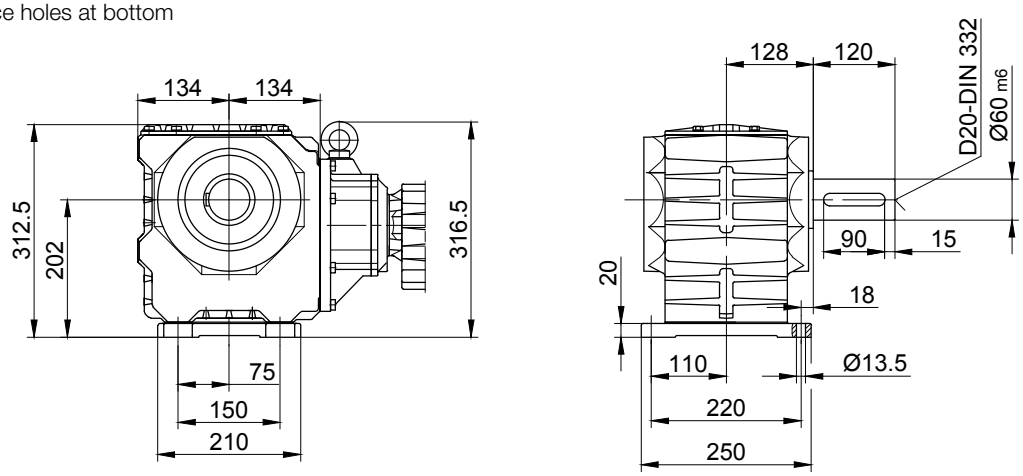
Flange with tapped holes at front
Code -7.V/



Foot with tapped holes at bottom
Code -6.U/



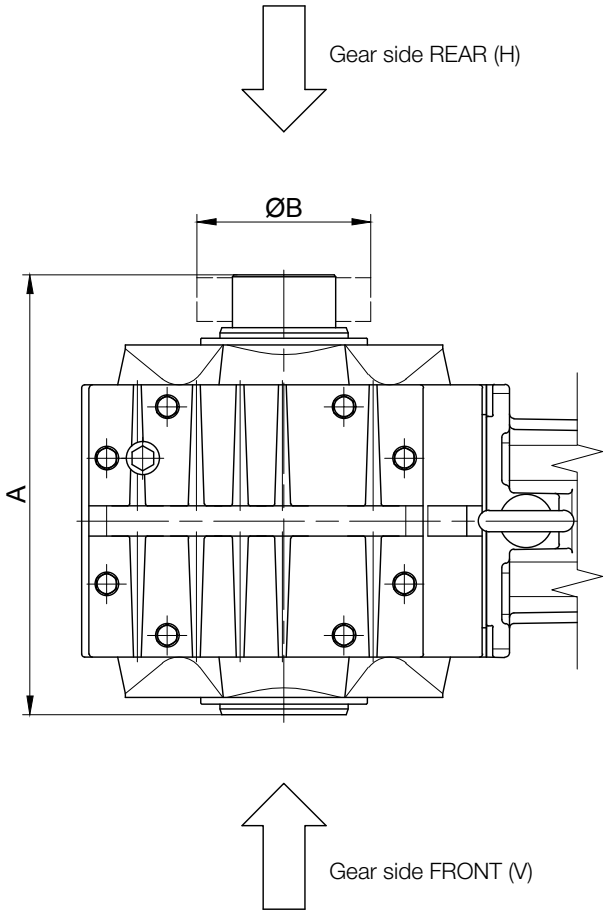
Foot with clearance holes at bottom
Code -1.U/



The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shrink disc couplings (SSV)

(Code BS10-.5A/...)

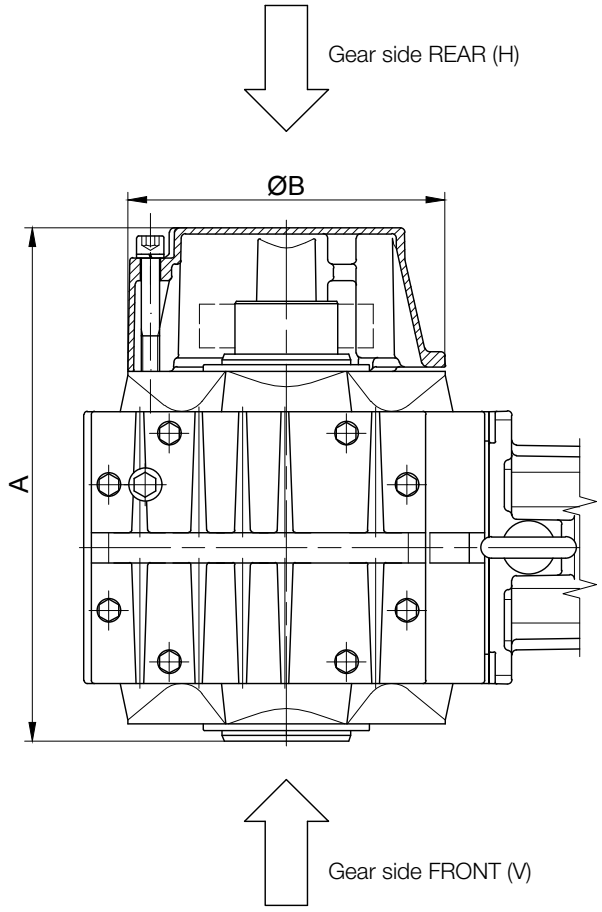


Type	SSV Ringfeder	SSV STÜWE	A	B
BS10	RfN 4161 036x072	HSD 36-22x36	199	72
BS20	RfN 4161 044x080	HSD 44-22x44	239	80
BS30	RfN 4161 050x090	HSD 50-22x50	267	90
BS40	RfN 4161 062x110	HSD 68-22x68	291	115
Dimensions in millimetres (mm)				

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shrink disc couplings with (SSV) cover

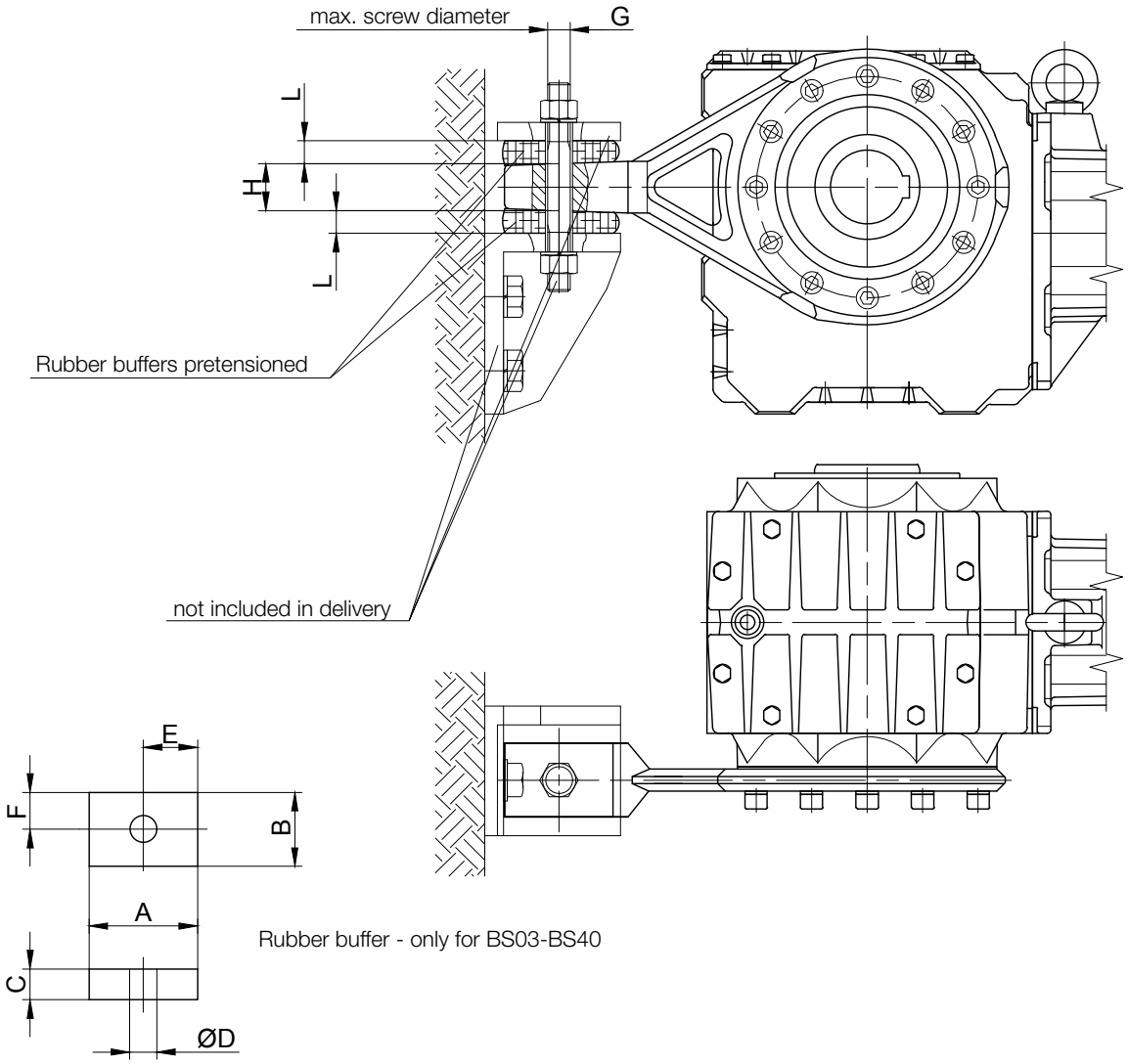
(Code BS10-.5A/...)



Type	SSV Ringfeder	SSV STÜWE	A	B
BS10	RfN 4161 036x072	HSD 36-22x36	221	120
BS20	RfN 4161 044x080	HSD 44-22x44	286	160
BS30	RfN 4161 050x090	HSD 50-22x50	313	160
BS40	RfN 4161 062x110	HSD 68-22x68	340	210
Dimensions in millimetres (mm)				

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Rubber buffer for torque arm



Material: Natural rubber
Hardness 50 +/-5 Shore A

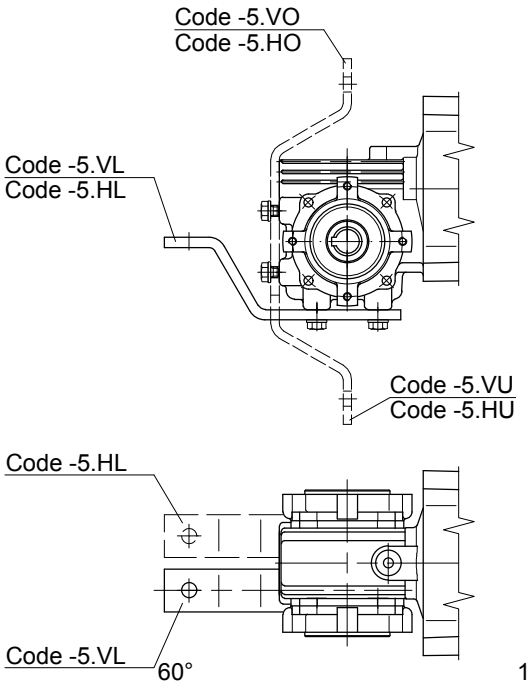
Dimensions of the transverse hole:
see dimensioned sketch of the respective shaft mounted gearbox

Gear	Position	A	B	C	D	E	F	G	H	L
BS02	-	-	-	-	-	-	-	M8	6	-
BS03	Position 0	30	30	12	12	15	15	M8	10	10.5
BS04	Position 0	30	30	12	12	15	15	M8	10	10.5
BS06	Position 0	30	30	12	12	15	15	M10	10	10
BS10	Position 1	48	32	15	14	24	16	M10	19	13
BS20	Position 2	63	43	20	14	31.5	21.5	M10	30	17.5
BS30	Position 2	63	43	20	14	31.5	21.5	M10	30	17
BS40	Position 3	88	60	25	22	44	30	M18	38	22
Dimensions in millimetres (mm)										

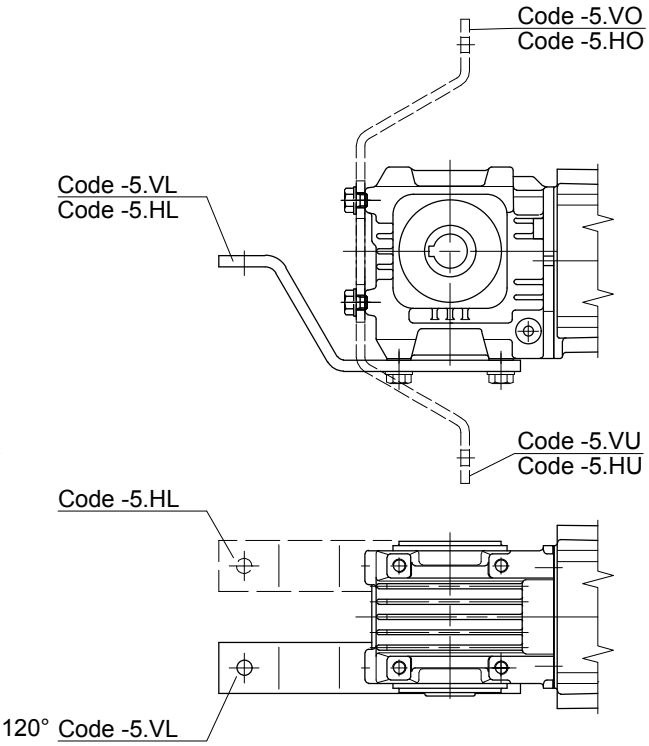
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Position of the torque arm

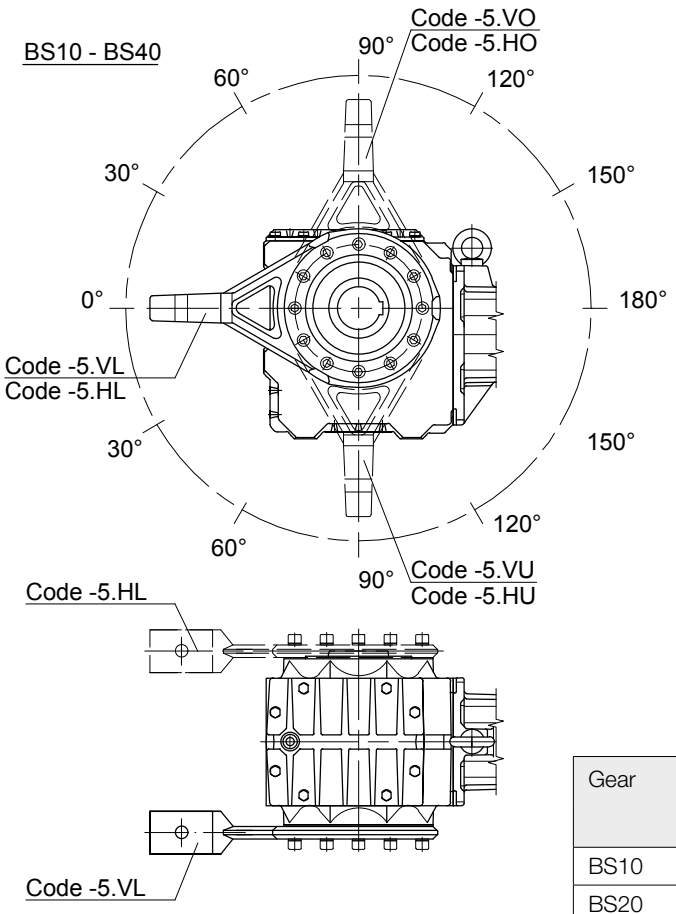
BS02 / BS03



BS04 / BS06



BS10 - BS40



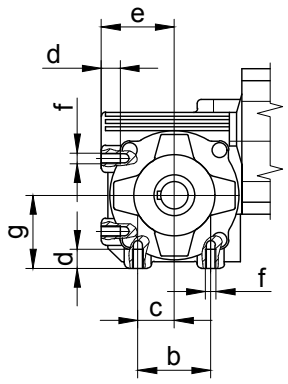
Gear	Position						
	VL/HL	VO/HO/VU/HU					VR/HR
BS10	0°	30°	60°	90°	120°	150°	-
BS20	0°	30°	60°	90°	120°	150°	-
BS30	0°	30°	60°	90°	120°	150°	-
BS40	0°	30°	60°	90°	120°	150°	-

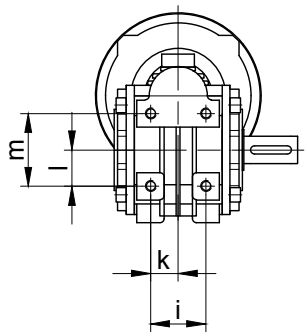
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS-series worm-geared motors

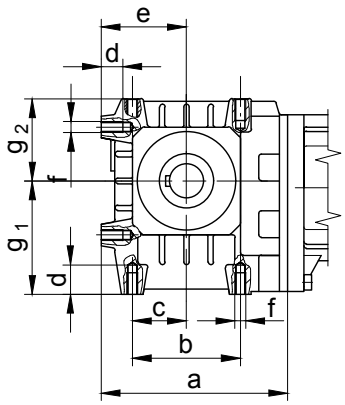
Additional Dimension Sheet

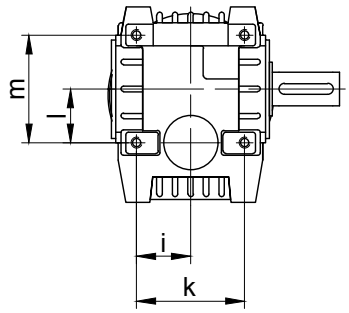
Threaded foot



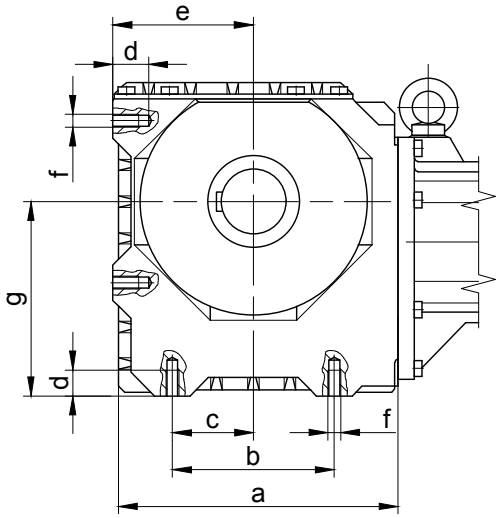


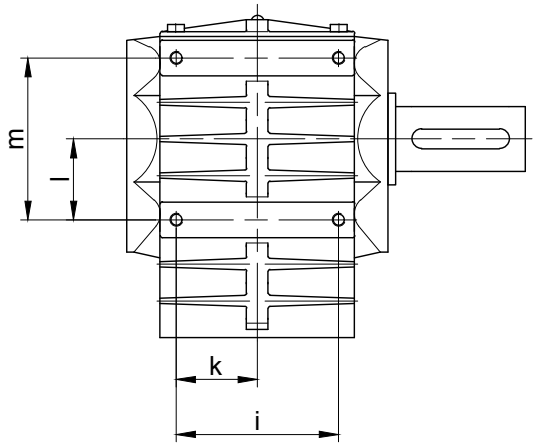
Type	a	b	c	d	e	f	g	-	i	k	l	m
BS02	-	36	18	10	40	M6	40	-	32	16	18	36
BS03	-	54	27	14	54	M8	54	-	41	20.5	27	54





Type	a	b	c	d	e	f	g1	g2	i	k	l	m
BS04	111	60	30	15.5	50	M8	64	49.5	30	60	30	60
BS06	138	80	40	16	63	M8	84	61	40	80	40	80

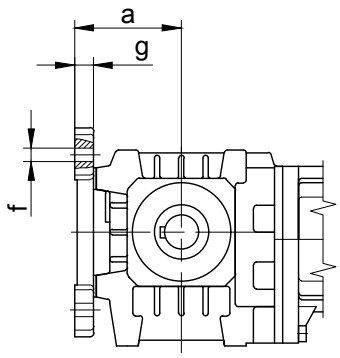


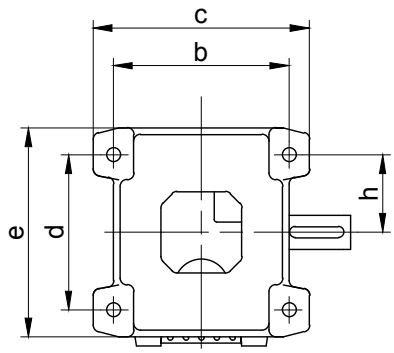


Type	a	b	c	d	e	f	g	-	i	k	l	m
BS10-BS10Z	170	90	45	16	85	M8	105	-	95	47.5	45	90
BS20-BS20Z	202.5	110	55	20	100	M10	125	-	105	52.5	55	110
BS30-BS30Z	228	125	62.5	24	110	M12	150	-	120	60	62.5	125
BS40-BS40Z	264	150	75	24	130	M12	180	-	150	75	75	150

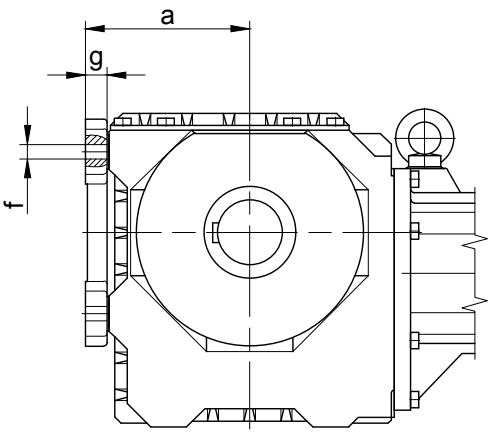
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

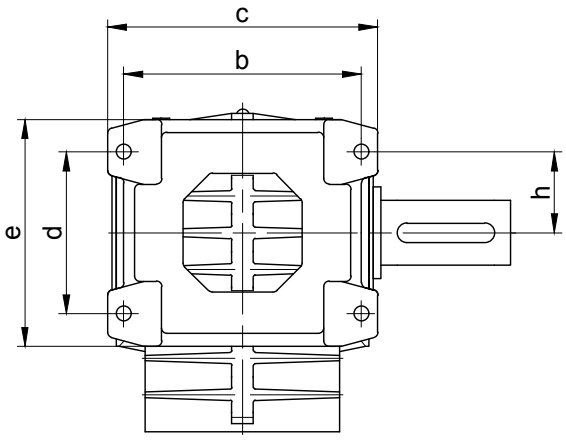
Foot plate, left





Type	a	b	c	d	e	f	g	h
BS04	68	110	140	90	130	10	15	45
BS06	79	130	160	115	155	10	14	57.5





Type	a	b	c	d	e	f	g	h
BS10-BS10Z	103	145	165	90	130	Ø9	16	72.5
BS20-BS20Z	120	165	195	110	160	Ø11	18	55
BS30-BS30Z	132	190	220	125	185	Ø13.5	20	62.5
BS40-BS40Z	152	220	250	150	210	Ø13.5	20	75

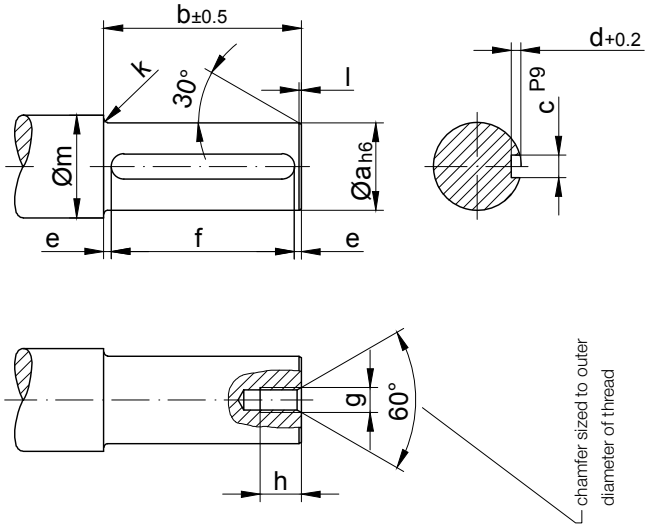
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BS-series worm-geared motors

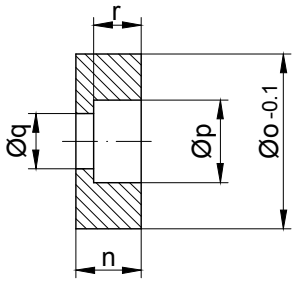
Additional Dimension Sheet

Assembly tools for hollow shaft and keyway

Position 1 Shaft

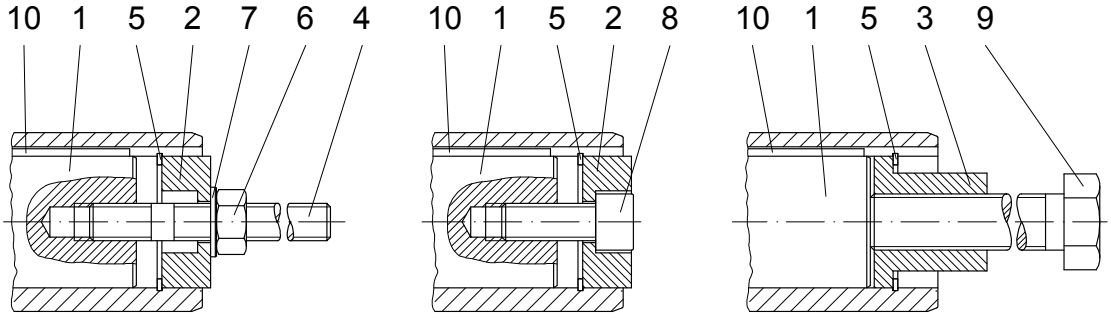


* Position 2 Disc



x, Edges cut
Material:
C45 DIN EN 10083

Type	Dimensions (mm)															
	Postion 1 Shaft											Postion 2 Disc				
	a	b	c	d	e	f	g	h	k	l	m	n	o	p	q	r
BS03	20	75	6	3.5	6	$63^{+0.3}$	M6	16	2	1.5	28	13.5	19.8	11	6.6	6.5
BS04	20	71	6	3.5	7.5	$56^{+0.3}$	M6	16	2	1.5	28	13.5	19.8	11	6.6	6.5
BS06	25	99	8	4	9.5	$80^{+0.3}$	M8	18	2.5	1.5	33	13.5	24.8	15	9	8.5
BS10	30	152	8	4	6	$140^{+0.5}$	M10	20	3	1.5	38	15	29.8	18	11	10
BS20	35	186	10	5	13	$160^{+0.5}$	M10	20	3	1.5	43	16	34.8	18	11	10
BS30	40	212	12	5	6	$200^{+0.5}$	M12	22	3	2	48	18	39.8	20	13.5	12
BS40	60	227	18	7	13.5	$200^{+0.5}$	M20	38	3.5	2	68	24	59.8	33	22	18



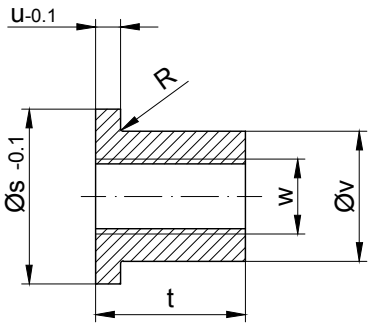
Installation Holding Dismantlement

The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

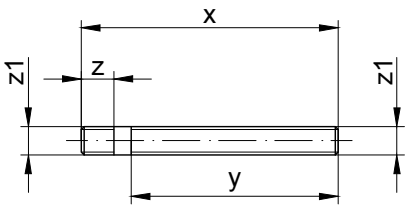
Assembly tools for hollow shaft and keyway

Position 3 Sleeve



x , Edges cut
Material:
C45 DIN EN 10083

* Position 4 Stud bolt



Material: Steel, tensile strengh
≥ 1000N/mm²
Threads rolled

Type	Dimensions (mm)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Starting torque (Nm)	Hexagon bolt DIN EN 24017-8.8	Key DIN 6885 Width/Height/Length
	Position 3 Sleeve						Position 4 Stud bolt										
	s	t	u	v	w	R	x	y	z	z1	Pos.5	Pos.6	Pos.7	Pos.8		Pos.9	Pos.10
BS03	19.8	24	5	11	M8	-	120	90	18	M6	20x1.0	M6	6.4	M6x25	5	M8x110	A 8x7x63
BS04	19.8	24	5	11	M8	-	120	90	18	M6	20x1.0	M6	6.4	M6x25		M8x110	A 8x7x56
BS06	19.8	24	5	15.4	M12	0.8	150	120	20	M8	25x1.2	M8	8.4	M8x30		M12x140	A 8x7x80
BS10	29.8	28	5	19.8	M14	0.8	210	175	23	M10	30x1.2	M10	10.5	M10x30	8	M14x190	A 8x7x140
BS20	34.9	28	5	23	M14	-	250	215	23	M10	35x1.5	M10	10.5	M10x35		M14x230	A 10x8x160
BS30	39.9	40	6	27.7	M20	0.8	280	240	28	M12	40x1.75	M12	13	M12x35	16	M20x270	A 12x8x200
BS40	59.8	60	6	44	M30	-	320	260	45	M20	60x2.0	M20	21	M20x50	42	M30x310	A 18x11x200

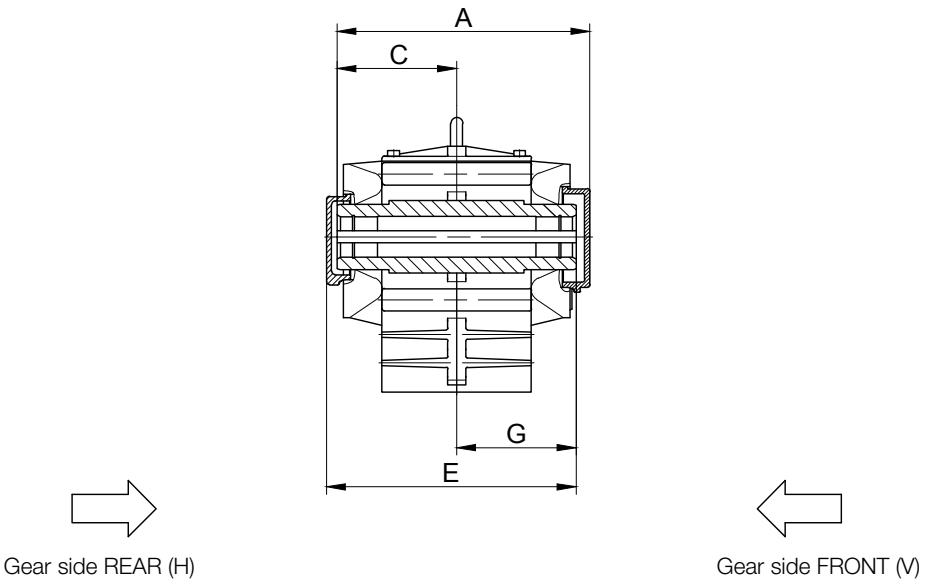
The parts shown are neccessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

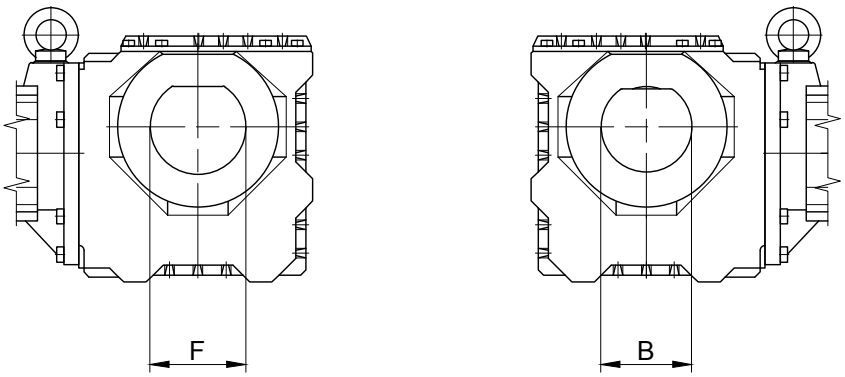
Optional

Type	Order text	
BS03	Id.Nr. 4104013	Assembly tool „holding“
BS04	Id.Nr. 4104013	Assembly tool „holding“
BS06	Id.Nr. 4103921	Assembly tool „holding“
BS10	Id.Nr. 4103939	Assembly tool „holding“
BS20	Id.Nr. 4103947	Assembly tool „holding“
BS30	Id.Nr. 4103955	Assembly tool „holding“
BS40	Id.Nr. 4103971	Assembly tool „holding“

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shaft Cap (VK)



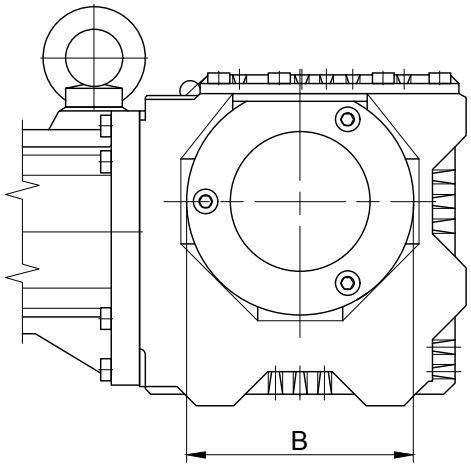


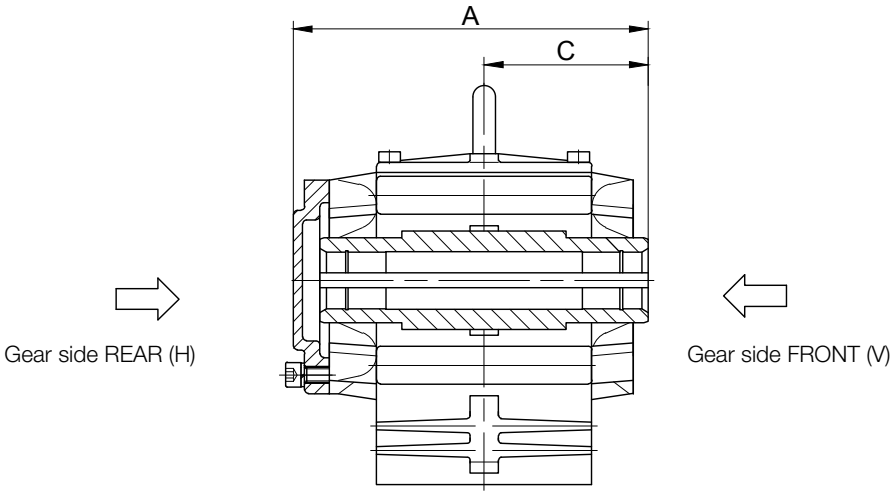
Sealing cap REAR (H)			
Type	A	B	C
BS10	186	68	87
BS30	250.5	100	132
BS40	276	130	128
Dimensions in millimetres (mm)			

Sealing cap FRONT (V)			
Type	E	F	G
BS20	221	78	104.5
Dimensions in millimetres (mm)			

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Shaft Cover (VD)





Type	A	B	C
BS04	99.5	68	46.5
BS06	128.5	81	60.5
BS10	185	Ø120	87
BS20	224.5	Ø160	104.5
BS30	251.5	Ø160	118.5
BS40	275	Ø210	128
Dimensions in millimetres (mm)			

The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.