

10

BG-series helical-geared motors - Dimensions

Dimension-Standard Imperial	263
BG04	263
BG05	264
BG06	265
BG10 - BG10Z	266
BG10X - BG10XZ	268
BG15	271
BG20 - BG20Z	272
BG30 - BG30Z	274
BG40 - BG40Z	276
BG50 - BG50Z	278
BG60 - BG60Z	280
BG70 - BG70Z	282
BG80 - BG80Z	284
BG90 - BG90Z	286
BG100 - BG100Z	288
Dimension - Tandem Gearbox Imperial.....	291
BG06G04.....	291
BG10G06.....	292
BG10XG06	294
BG20G06.....	296
BG30G06.....	298
BG40G10.....	300
BG50G10.....	302
BG60G20.....	304
BG70G20.....	306
BG80G40.....	308
BG90G50.....	310
BG100G50.....	312
Dimension - Standard Metric	314
BG04	314
BG05	315
BG06	317
BG10 - BG10Z	318
BG10X - BG10XZ	320
BG15	323
BG20 - BG20Z	324
BG30 - BG30Z	326
BG40 - BG40Z	328
BG50 - BG50Z	330
BG60 - BG60Z	332
BG70 - BG70Z	334
BG80 - BG80Z	336
BG90 - BG90Z	338
BG100 - BG100Z	340 ►

Energy Efficient Geared Motors

AC Line Operated / North America

◀ Dimension - Tandem Gearbox Metric.....	343
BG06G04.....	343
BG10G06.....	344
BG10XG06	346
BG20G06.....	348
BG30G06.....	350
BG40G10.....	352
BG50G10.....	354
BG60G20.....	356
BG70G20.....	358
BG80G40.....	360
BG90G50.....	362
BG100G50.....	364

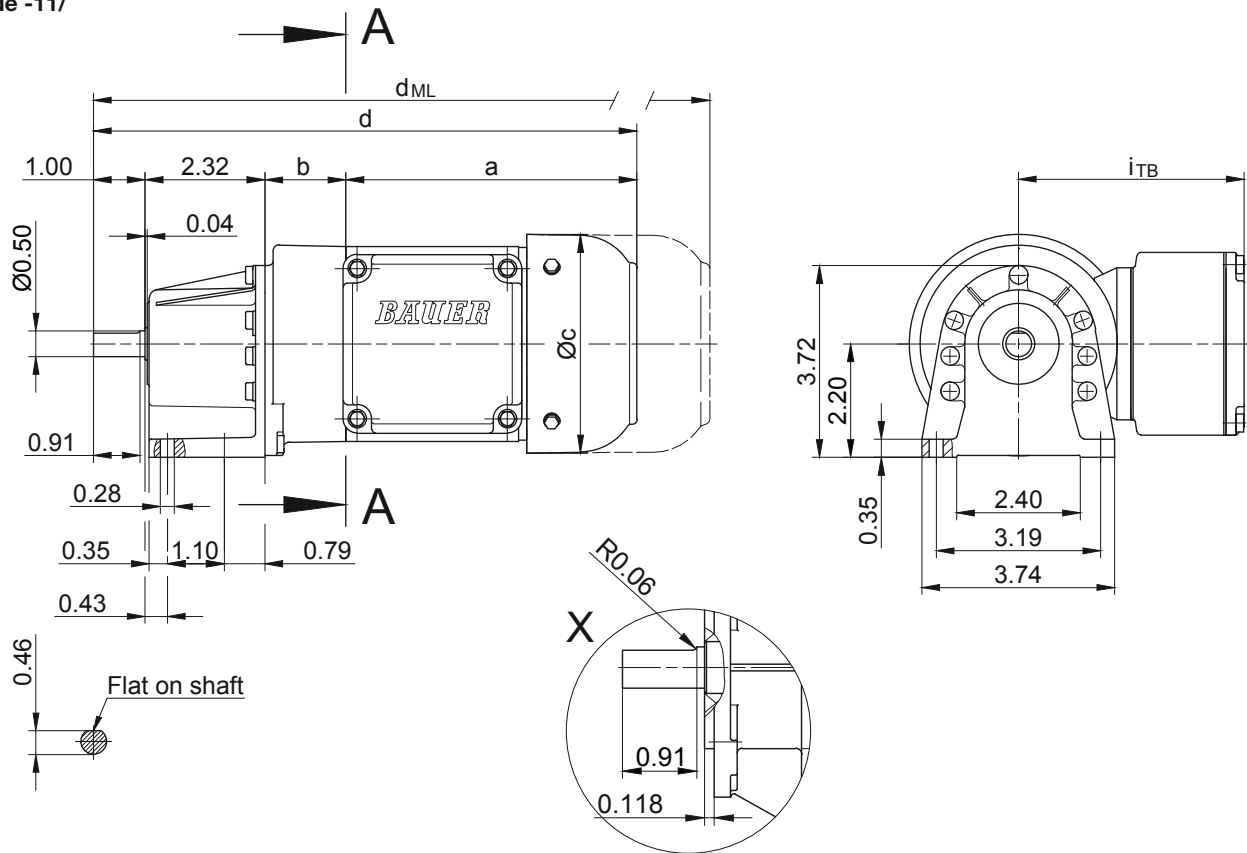
BG-series helical-geared motors

Dimension-Standard Imperial

BG04

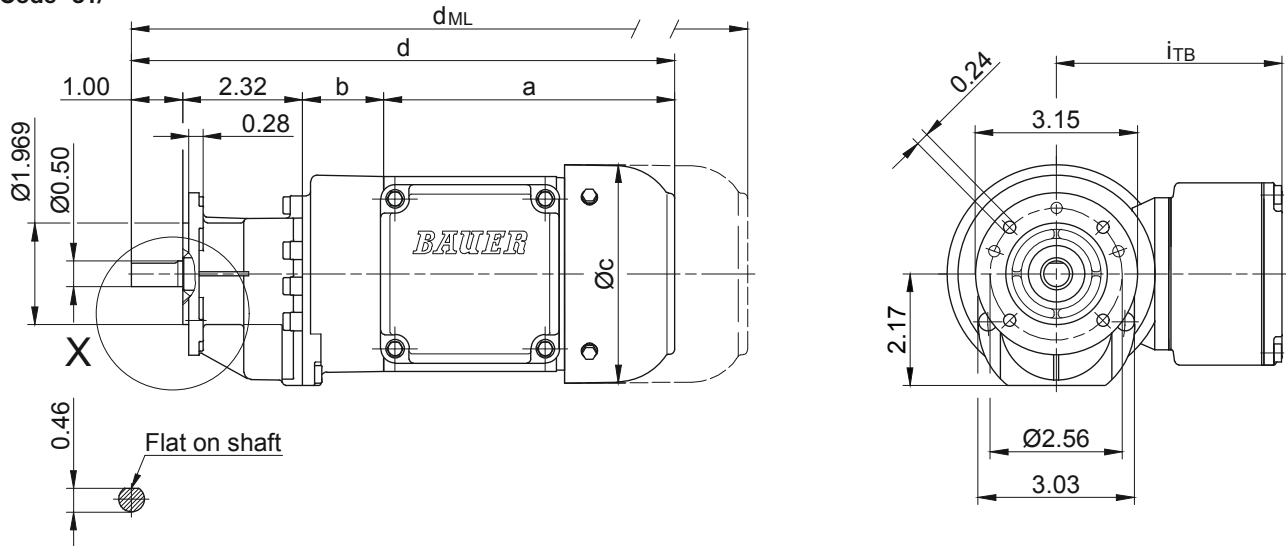
Foot mounting

Code -11/

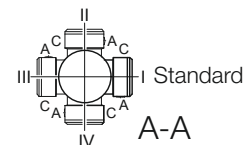


Flange with clearance holes

Code -31/



Shaft extension tolerance:
up to 1.5 in diameter: +0.000 / -0.0005 in
over 1.5 in diameter: +0.000 / -0.001 in
Flange spigot diameter: +0.0003 / -0.0015 in



Type	a	b	c	d	i	Design with motor extensions				
						i_TB	Brake	Encoder	Brake with Encoder	Back Stop
BG04-.../D04.A.	5.61	1.57	4.35	10.51	3.54	4.41	12.22	13.95	15.66	-

Dimensions in inch

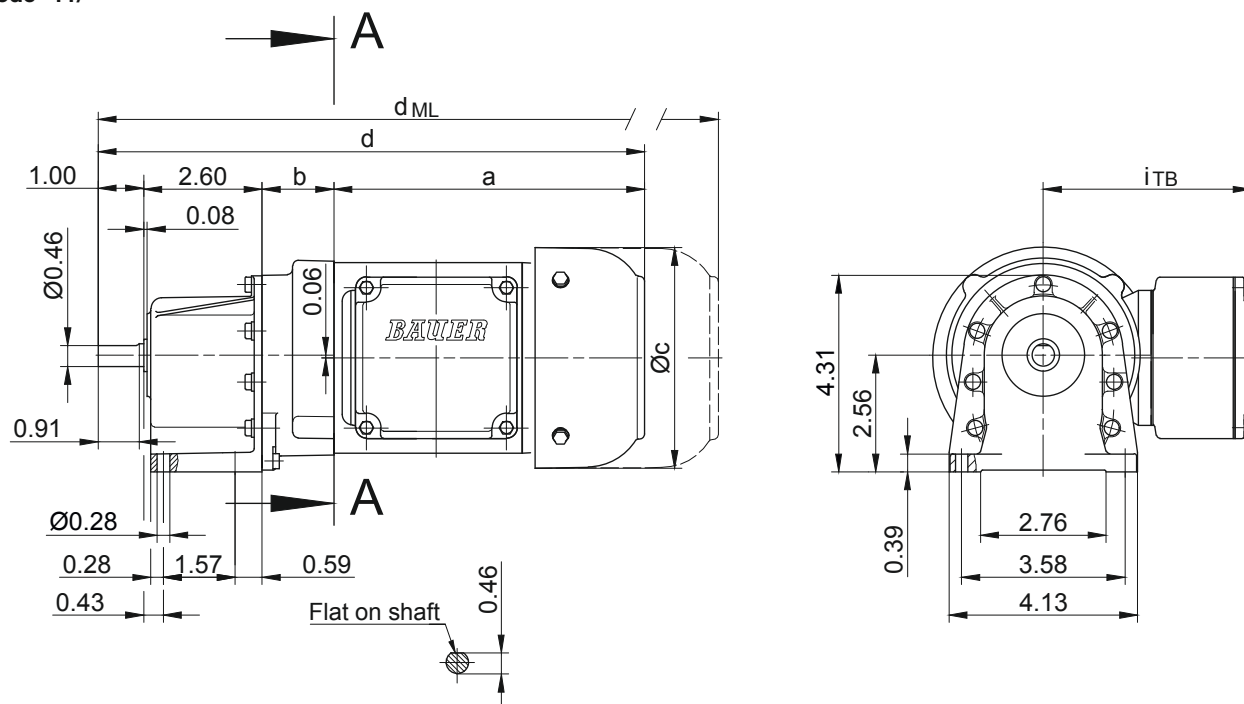
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension-Standard Imperial

BG05

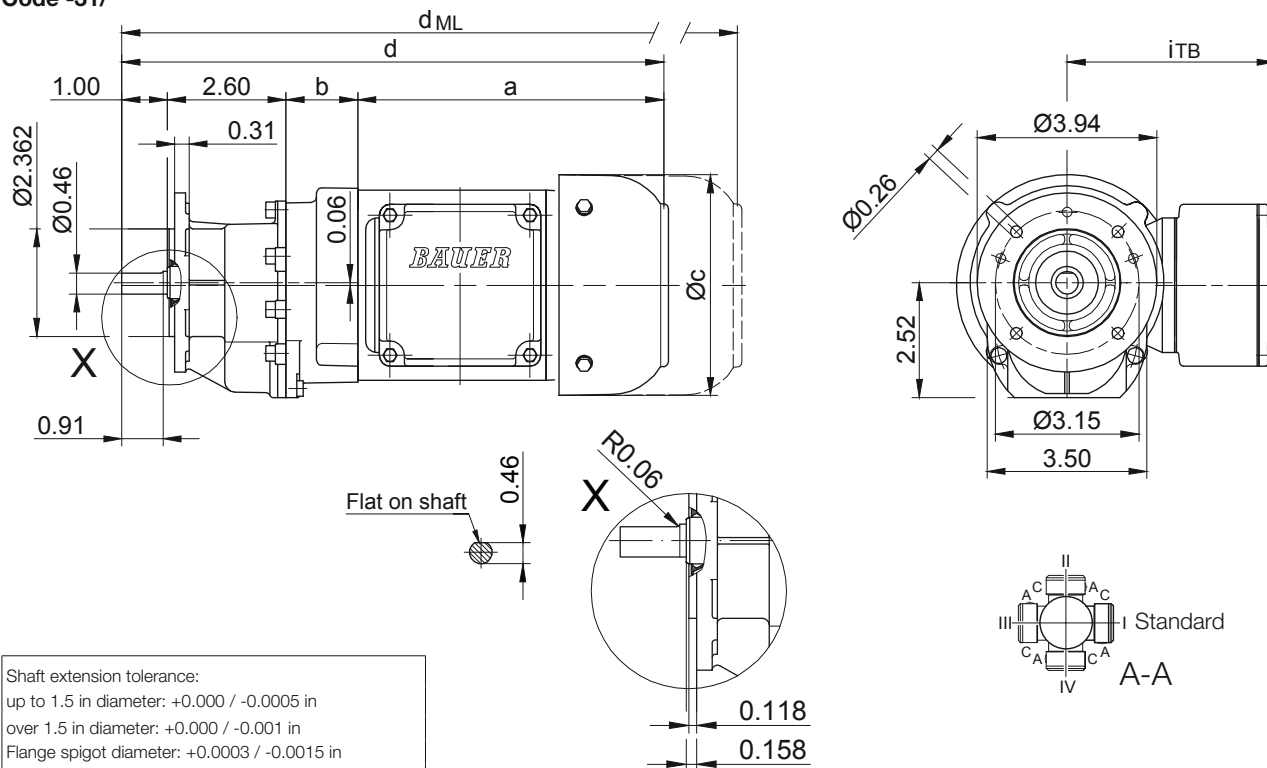
Foot mounting

Code -11/



Flange with clearance holes

Code -31/



Shaft extension tolerance:
up to 1.5 in diameter: +0.000 / -0.0005 in
over 1.5 in diameter: +0.000 / -0.001 in
Flange spigot diameter: +0.0003 / -0.0015 in

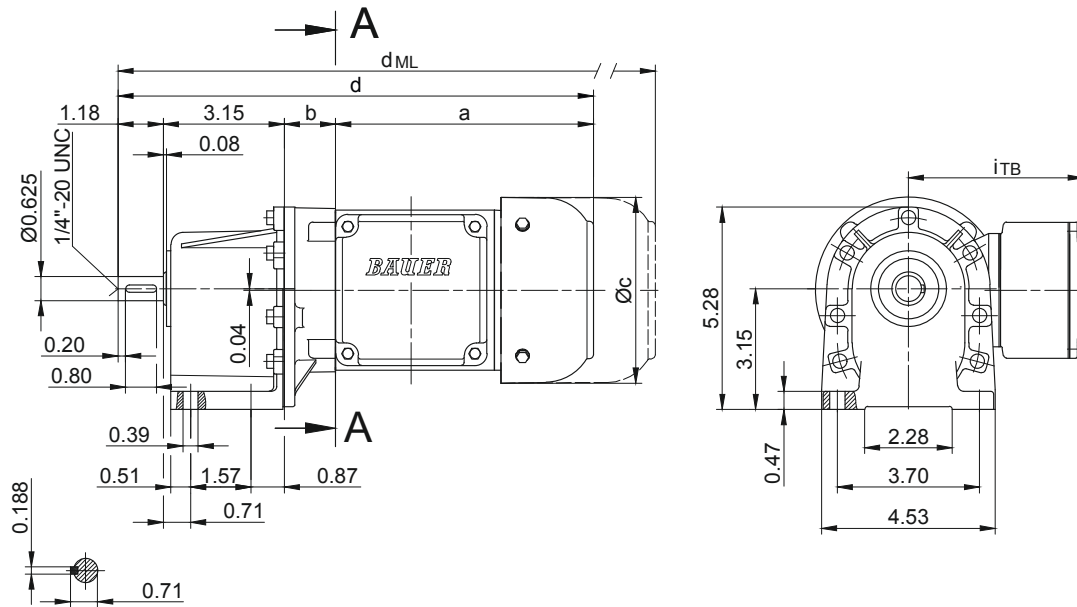
Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BG05-../D04.A.	5.61	1.50	4.35	10.70	3.54	4.41	12.42	14.15	15.86	-
BG05-../D..05.A.	6.72	1.57	4.84	11.89	3.98	4.61	13.54	15.93	17.40	-
BG05-../D..06.A.	6.70	1.57	4.84	11.88	3.90	4.69	13.53	15.91	17.39	-
BG05-../D..07.A.	7.49	1.57	4.84	12.67	3.90	4.69	14.32	16.70	18.18	-

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

BG06

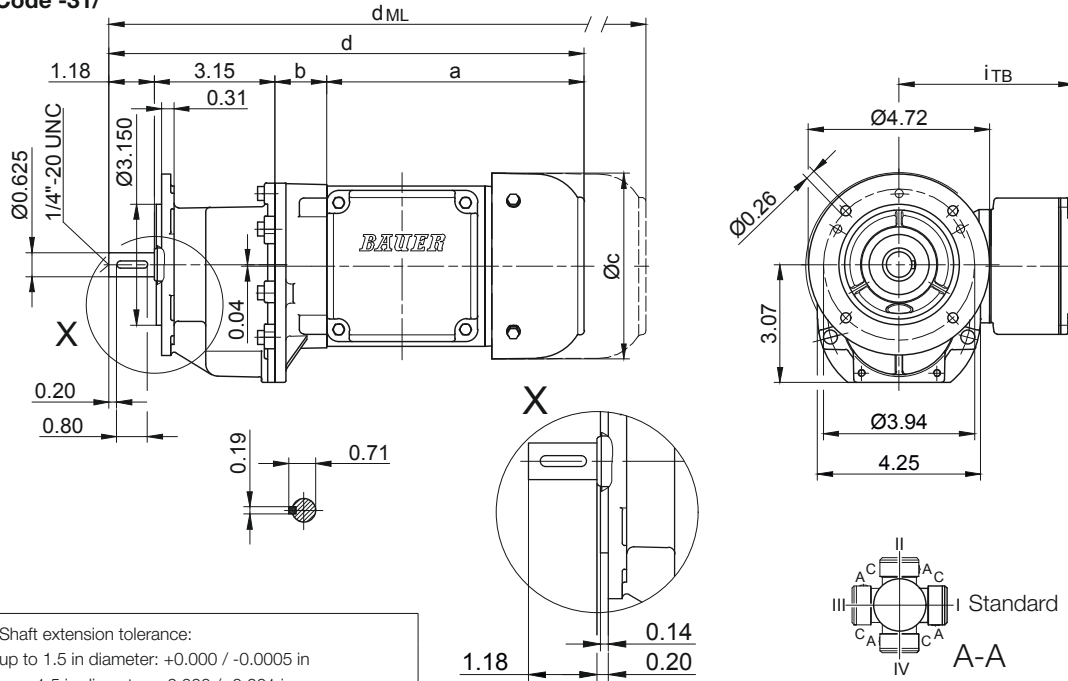
Foot mounting

Code -11/



Flange with clearance holes

Code -31/



Shaft extension tolerance:
up to 1.5 in diameter: +0.000 / -0.0005 in
over 1.5 in diameter: +0.000 / -0.001 in
Flange spigot diameter: +0.0003 / -0.0015 in

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-../D04.A.	5.61	1.26	4.35	11.24	3.54	4.41	12.95	14.68	16.39	-
BG06-../D..05.A.	6.72	1.34	4.84	12.43	3.98	4.61	14.08	16.46	17.94	-
BG06-../D..06.A.	6.70	1.34	4.84	12.41	3.90	4.69	14.07	16.45	17.93	-
BG06-../D..07.A.	7.49	1.34	4.84	13.20	3.90	4.69	14.85	17.24	18.71	-
BG06-../D..08.A.	7.85	3.07	6.14	15.30	4.51	5.37	17.89	19.70	22.13	17.89
BG06-../D..08.B.	9.04	3.07	6.14	16.48	4.51	5.37	19.07	20.89	23.29	19.07

Dimensions in inch

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

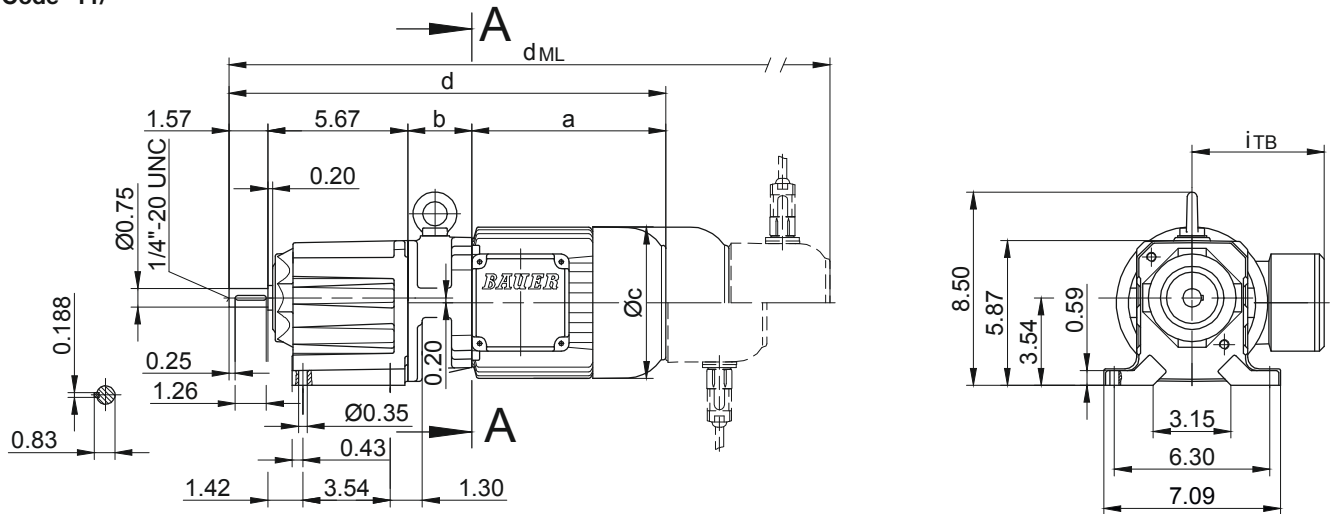
BG-series helical-geared motors

Dimension-Standard Imperial

BG10 - BG10Z

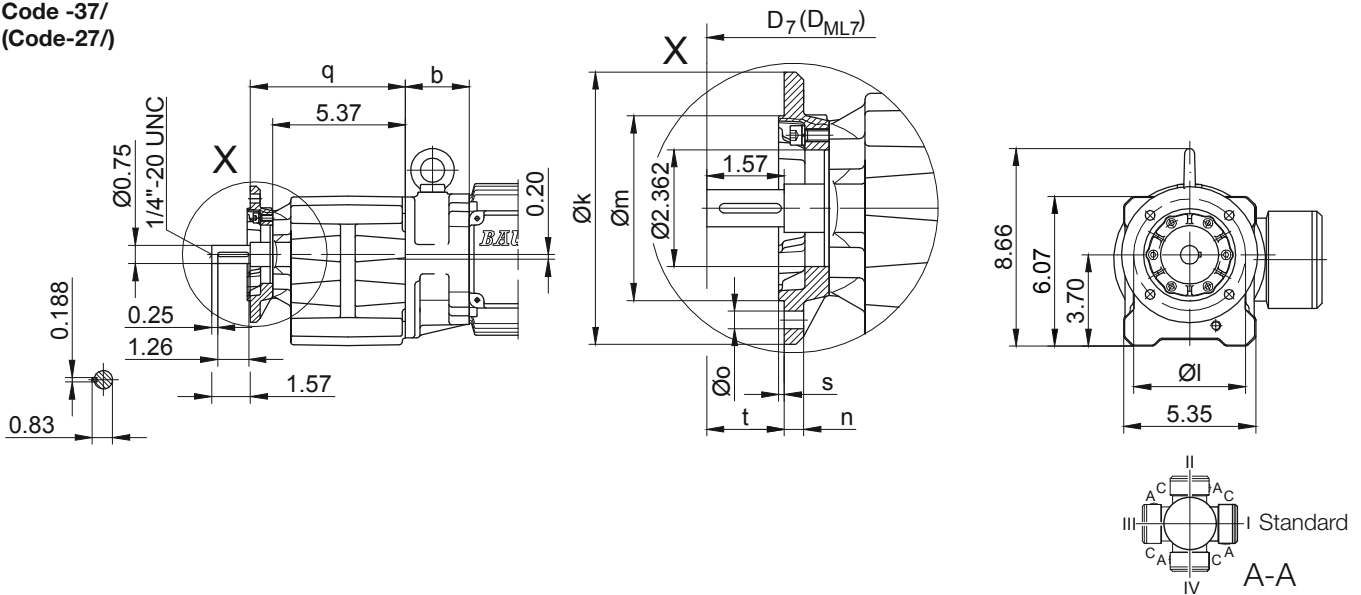
Foot mounting with clearance holes

Code -11/



Flange with clearance holes

Code -37/
(Code-27/)



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	
BG10..	Code -37V/	5.512	4.528	3.740	0.394	0.354	6.280	0.118	1.590	d+0.610	
BG10..	Code -27V/	4.724	3.937	3.150	0.315	0.260	6.083	0.118	1.787	d _{ML} +0.610	

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-../D04.A.	5.61	3.39	4.35	16.24	3.54	4.41	17.95	19.68	21.39	-
BG10-../D..05.A.	6.72	2.44	4.84	16.40	3.98	4.61	18.05	20.43	21.91	-
BG10Z-../D..05.A.	6.72	3.46	4.84	17.42	3.98	4.61	19.07	21.46	22.93	-
BG10-../D..06.A.	6.70	2.44	4.84	16.38	3.90	4.69	18.04	20.42	21.90	-
BG10Z-../D..06.A.	6.70	3.46	4.84	17.41	3.90	4.69	19.06	21.44	22.92	-
BG10-../D..07.A.	7.49	2.44	4.84	17.17	3.90	4.69	18.83	21.21	22.68	-
BG10Z-../D..07.A.	7.49	3.46	4.84	18.20	3.90	4.69	19.85	22.23	23.71	-
BG10-../D..08.A.	7.85	2.60	6.14	17.69	4.51	5.37	20.29	22.10	24.52	20.29
BG10Z-../D..08.A.	7.85	5.20	6.14	20.29	4.51	5.37	22.89	24.70	27.12	22.89
BG10-../D..08.B.	9.04	2.60	6.14	18.87	4.51	5.37	21.47	23.28	25.68	21.47
BG10Z-../D..08.B.	9.04	5.20	6.14	21.47	4.51	5.37	24.07	25.88	28.28	24.07
BG10-../D..09.A.	9.86	3.17	6.93	20.27	4.88	6.18	23.93	24.51	28.03	23.93
BG10Z-../D..09.B.	12.15	3.17	6.93	22.55	4.88	6.18	26.22	26.77	30.31	26.22

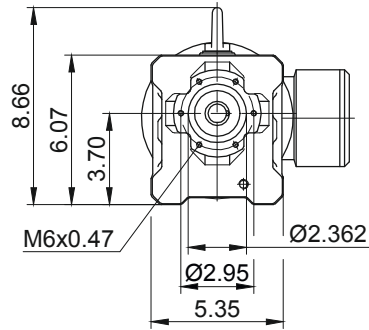
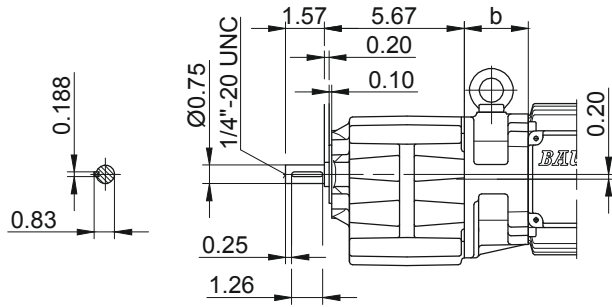
Dimensions in inch

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

BG10 - BG10Z

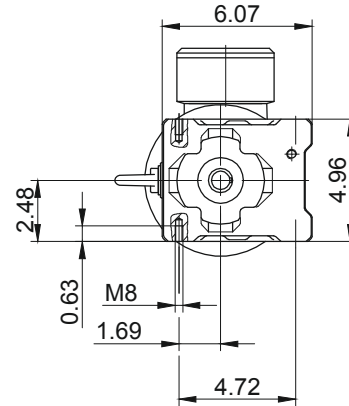
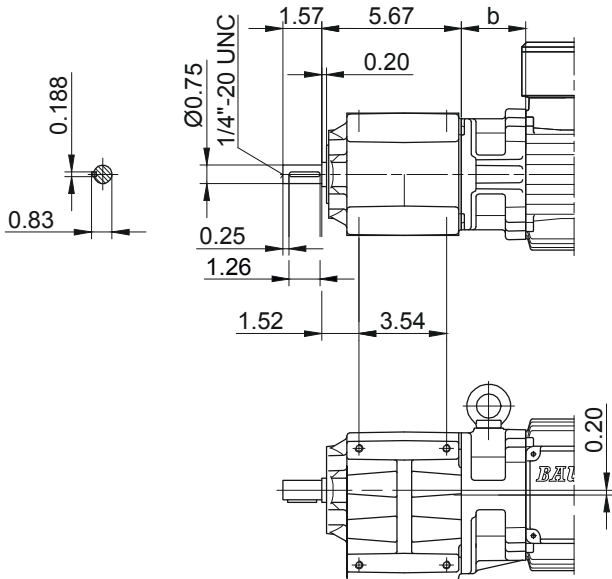
Flange with tapped holes

Code -71/



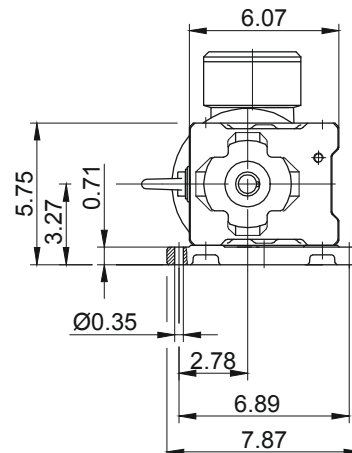
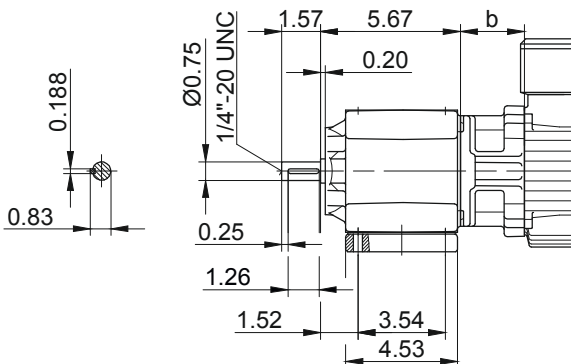
Foot with tapped holes left and right

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.

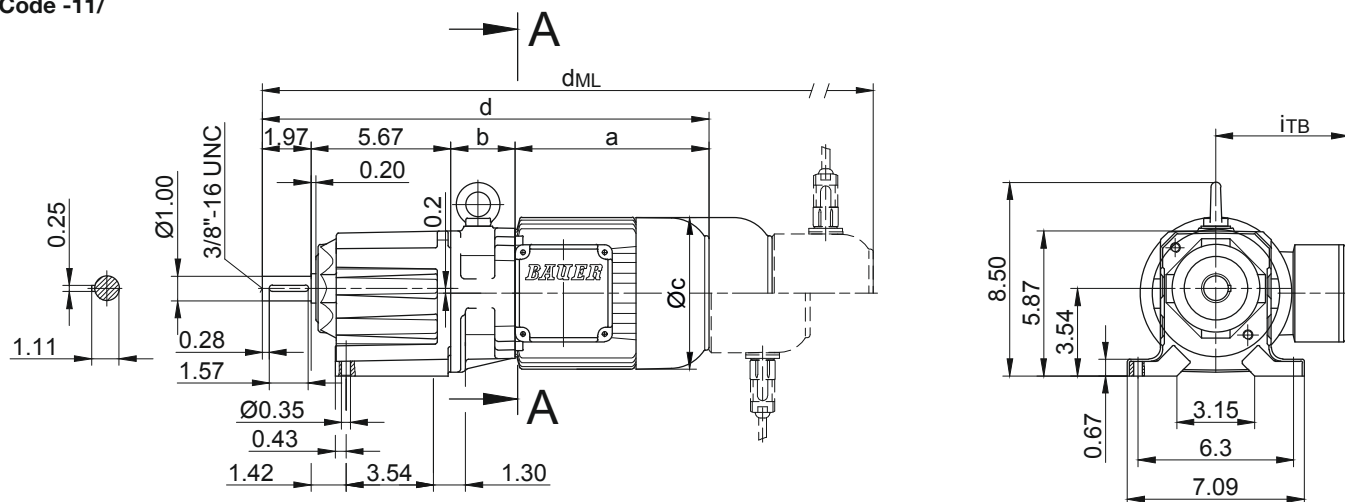
BG-series helical-geared motors

Dimension-Standard Imperial

BG10X - BG10XZ

Foot mounting with clearance holes

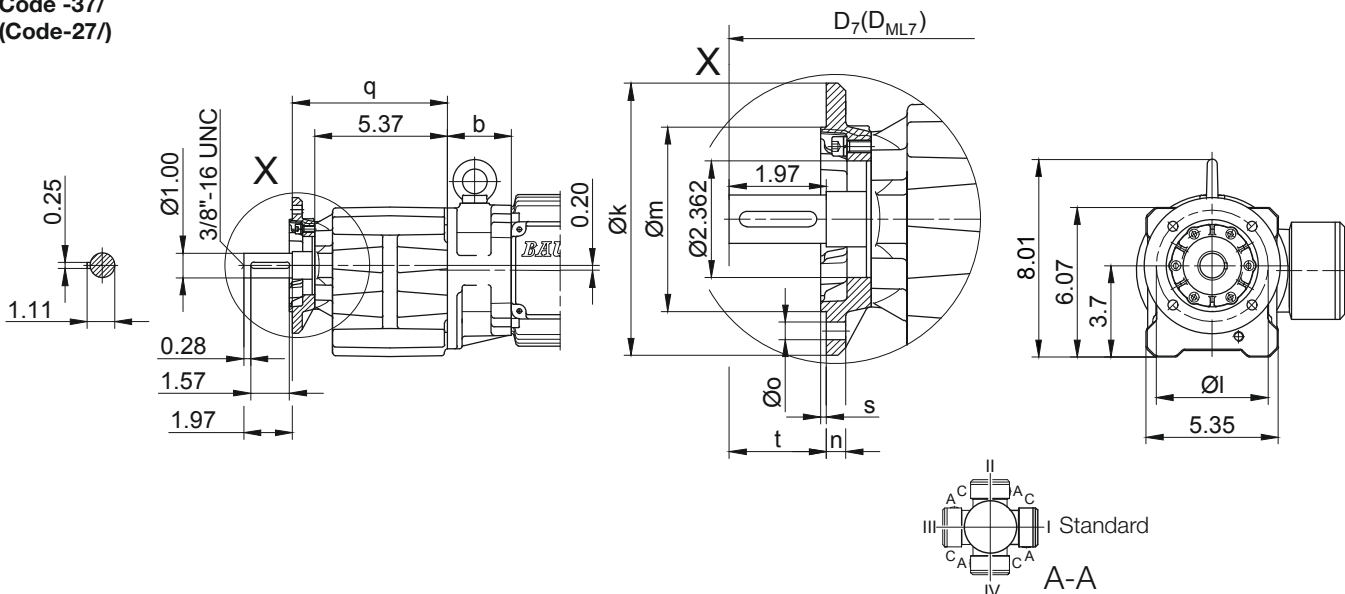
Code -11/



Flange with clearance holes

Code -37/

(Code-27/)



Flange Dimensions

Type	Design	k	l	m	n	o	q	s	t	D	D
BG10X..	Code -37V/	5.512	4.528	3.740	0.394	0.354	6.280	0.118	1.990	d+0.610	d _{ML} +0.610
BG10X..	Code -27V/	4.724	3.937	3.150	0.315	0.260	6.083	0.118	2.187	d+0.610	d _{ML} +0.610

Dimensions in inch

Shaft extension tolerance:
up to 1.5 in diameter: +0.000 / -0.0005 in
over 1.5 in diameter: +0.000 / -0.001 in
Flange spigot diameter: +0.0003 / -0.0015 in

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
BG10XZ-../D04.A.	5.61	3.39	4.35	16.64	3.54	4.41	18.35	20.08	21.79	-
BG10X-../D..05.A.	6.72	2.44	4.84	16.80	3.98	4.61	18.45	20.83	22.31	-
BG10XZ-../D..05.A.	6.72	3.46	4.84	17.82	3.98	4.61	19.47	21.86	23.33	-
BG10X-../D..06.A.	6.70	2.44	4.84	16.78	3.90	4.69	18.44	20.82	22.30	-
BG10XZ-../D..06.A.	6.70	3.46	4.84	17.81	3.90	4.69	19.46	21.84	23.32	-
BG10X-../D..07.A.	7.49	2.44	4.84	17.57	3.90	4.69	19.23	21.61	23.08	-
BG10XZ-../D..07.A.	7.49	3.46	4.84	18.60	3.90	4.69	20.25	22.63	24.11	-
BG10X-../D..08.A.	7.85	2.60	6.14	18.09	4.51	5.37	20.69	22.50	24.92	20.69
BG10XZ-../D..08.A.	7.85	5.20	6.14	20.69	4.51	5.37	23.29	25.10	27.52	23.29
BG10X-../D..08.B.	9.04	2.60	6.14	19.27	4.51	5.37	21.87	23.68	26.08	21.87
BG10XZ-../D..08.B.	9.04	5.20	6.14	21.87	4.51	5.37	24.47	26.28	28.68	24.47
BG10X-../D..09.A.	9.86	3.17	6.93	20.67	4.88	6.18	24.33	24.91	28.43	24.33
BG10X-../D..09.B.	12.15	3.17	6.93	22.95	4.88	6.18	26.62	27.17	30.71	26.62

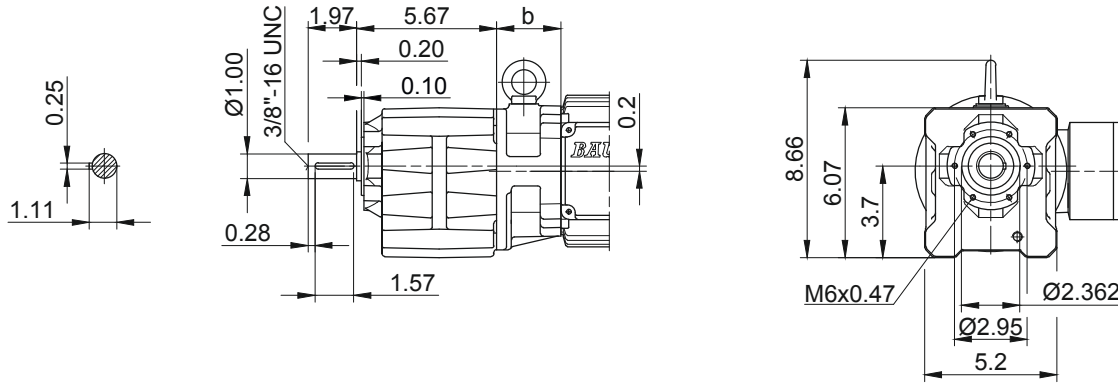
Dimensions in inch

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

BG10X - BG10XZ

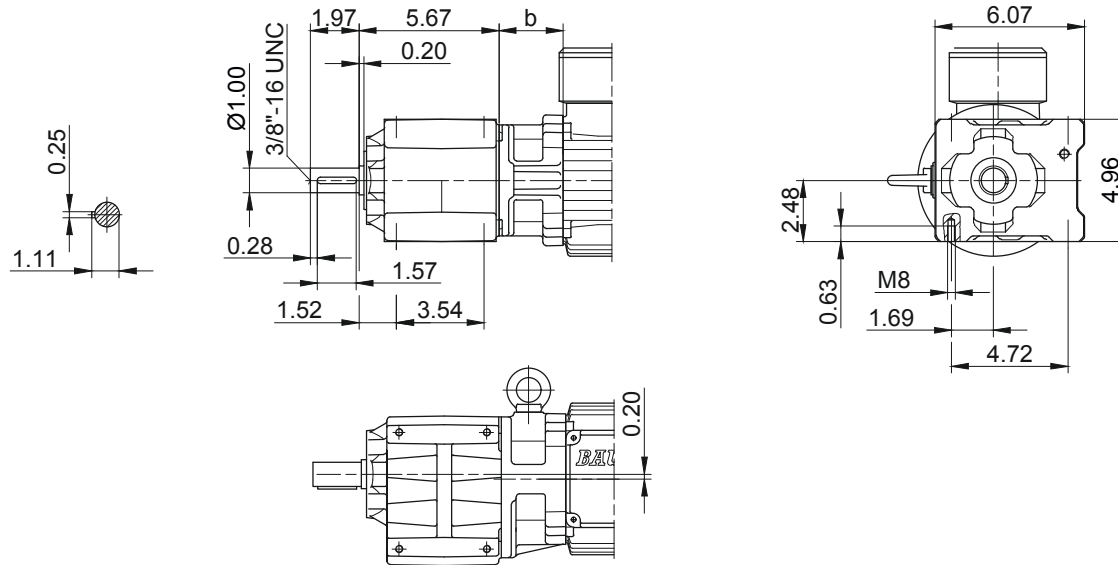
Flange with tapped holes

Code -71/



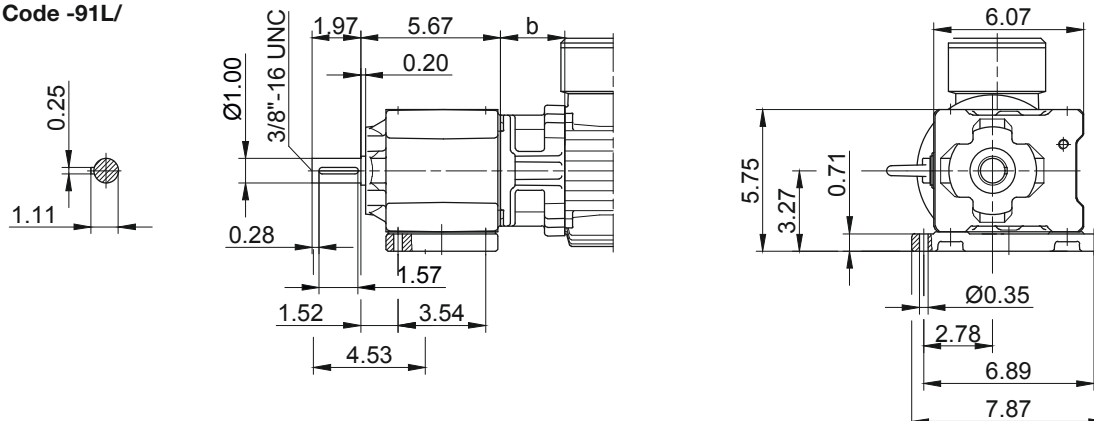
Foot with tapped holes left and right

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.

Energy Efficient Geared Motors

AC Line Operated / North America

10

Dimension-Standard Imperial

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-.../D..05.A.	6.72	2.44	4.84	14.85	3.98	4.61	15.45	17.18	18.89	-
BG15-.../D..06.A.	6.70	2.44	4.84	14.83	3.90	4.69	16.49	18.87	20.35	-
BG15-.../D..07.A.	7.49	2.44	4.84	15.62	3.90	4.69	17.28	19.66	21.13	-
BG15-.../D..08.A.	7.85	2.60	6.14	16.14	4.51	5.37	18.74	20.55	22.97	13.05
BG15-.../D..08.B.	9.04	2.60	6.14	17.32	4.51	5.37	19.92	21.73	24.13	19.92
BG15-.../D..09.A.	9.86	3.17	6.93	18.72	4.88	6.18	22.38	22.96	26.48	22.38
BG15-.../D..09.B.	12.15	3.17	6.93	21.00	4.88	6.18	24.67	25.22	28.76	24.67

Dimensions in inch

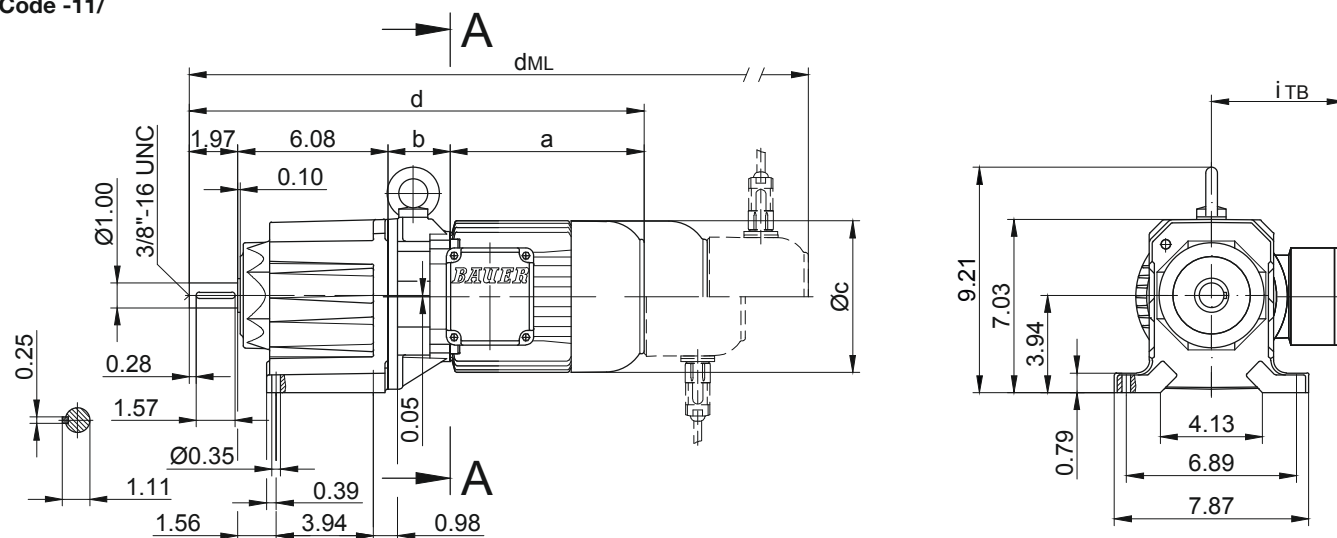
271

Dimension-Standard Imperial

BG20 - BG20Z

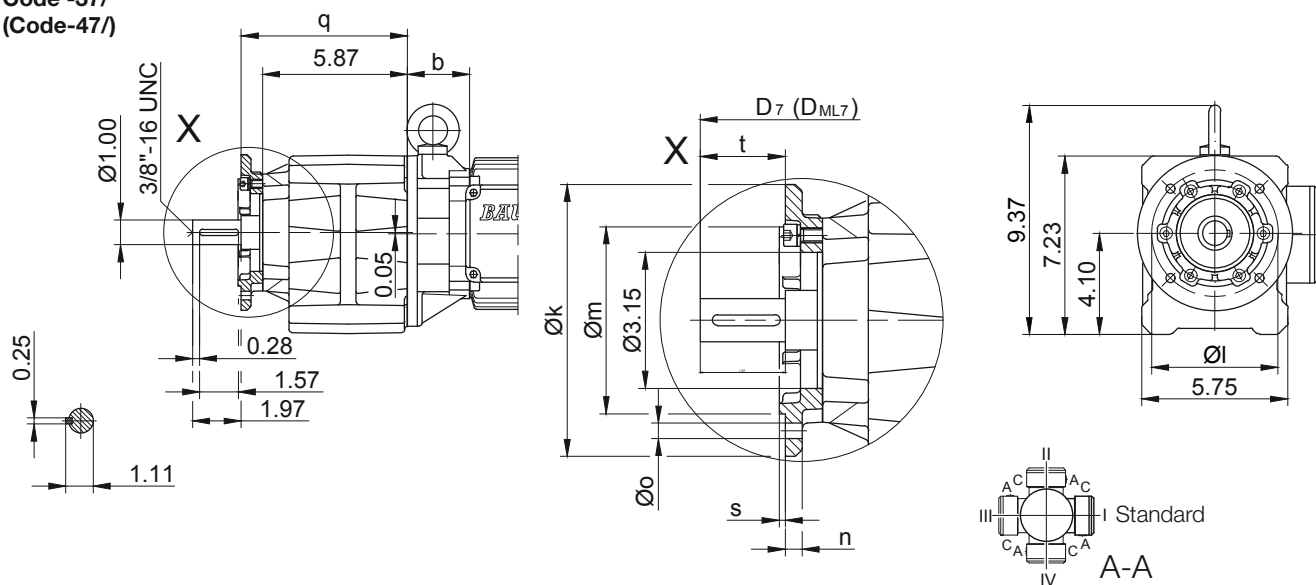
Foot mounting with clearance holes

Code -11/



Flange with clearance holes

**Code -37/
(Code-47/**



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in	
Type	Design	k	l	m	n	o	q	s	t	D		D
BG20..	Code -37V/	6.299	5.118	4.331	0.394	0.354	6.732	0.138	1.990	d+0.650		d _{ML} +0.650
BG20..	Code -47V/	7.874	6.496	5.118	0.472	0.433	7.008	0.138	1.714	d+0.650		d _{ML} +0.650
Dimensions in inch												

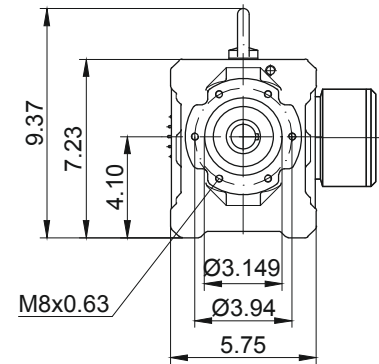
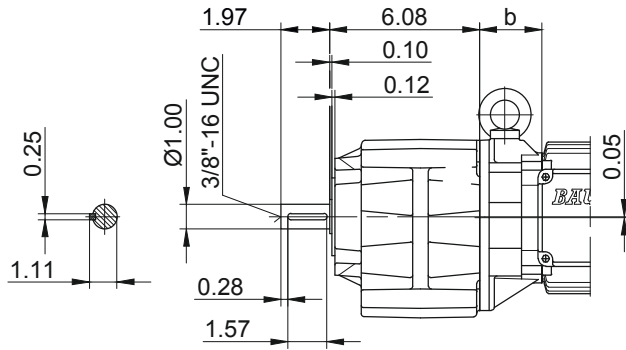
Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BG20Z-../D04.A.	5.61	3.94	4.35	17.60	3.54	4.41	19.31	21.04	22.75	-
BG20-../D..05.A.	6.72	2.36	4.84	17.13	3.98	4.61	18.78	21.17	22.64	-
BG20Z-../D..05.A.	6.72	4.02	4.84	18.78	3.98	4.61	20.44	22.82	24.30	-
BG20-../D..06.A.	6.70	2.36	4.84	17.12	3.90	4.69	18.77	21.16	22.63	-
BG20Z-../D..06.A.	6.70	4.02	4.84	18.77	3.90	4.69	20.43	22.81	24.28	-
BG20-../D..07.A.	7.49	2.36	4.84	17.91	3.90	4.69	19.56	21.94	23.42	-
BG20Z-../D..07.A.	7.49	4.02	4.84	19.56	3.90	4.69	21.21	23.60	25.07	-
BG20-../D..08.A.	7.85	2.52	6.14	18.43	4.51	5.37	21.03	22.84	25.26	21.03
BG20Z-../D..08.A.	7.85	5.75	6.14	21.66	4.51	5.37	24.25	26.06	28.49	24.25
BG20-../D..08.B.	9.04	2.52	6.14	19.61	4.51	5.37	22.21	24.02	26.42	22.21
BG20Z-../D..08.B.	9.04	5.75	6.14	22.84	4.51	5.37	25.43	27.25	29.65	25.43
BG20-../D..09.A.	9.86	3.09	6.93	21.01	4.88	6.18	24.67	25.24	28.77	24.67
BG20-../D..09.B.	12.15	3.09	6.93	23.29	4.88	6.18	26.95	27.51	31.05	26.95

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

BG20 - BG20Z

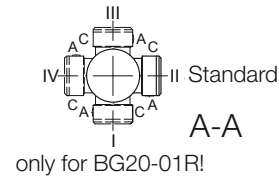
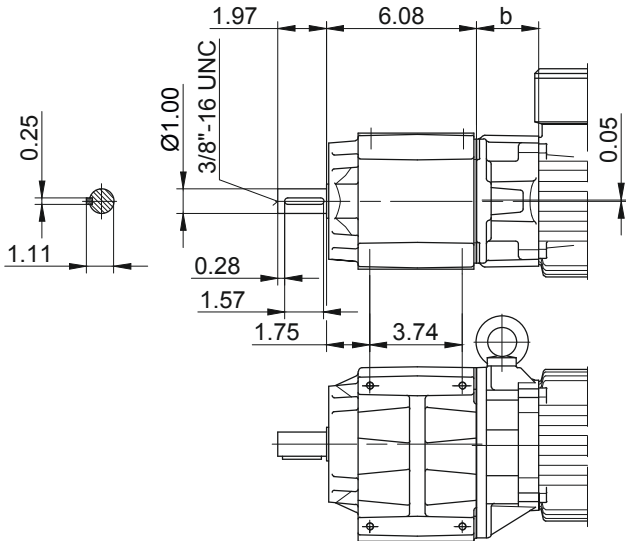
Flange with tapped holes

Code -71/



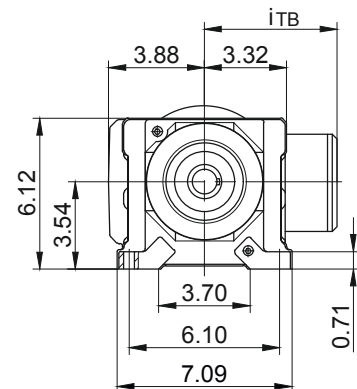
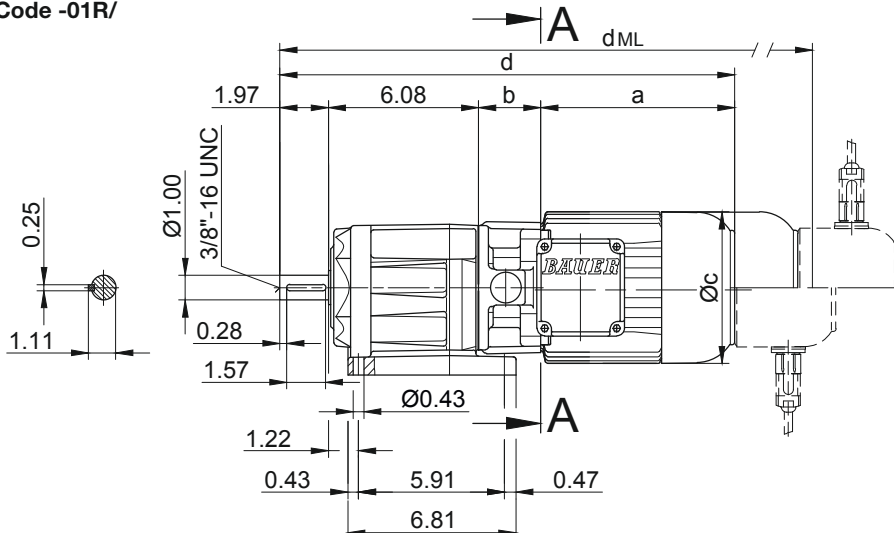
Foot with tapped holes left and right

Code -61LR/



Foot mounting right with clearance holes

Code -01R/



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

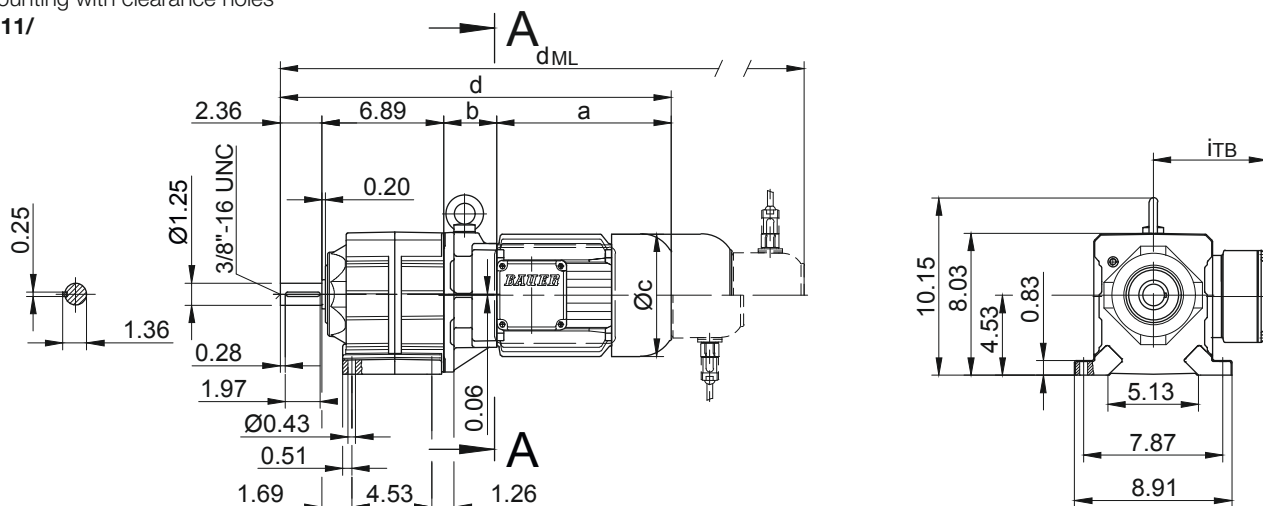
BG-series helical-geared motors

Dimension-Standard Imperial

BG30 - BG30Z

Foot mounting with clearance holes

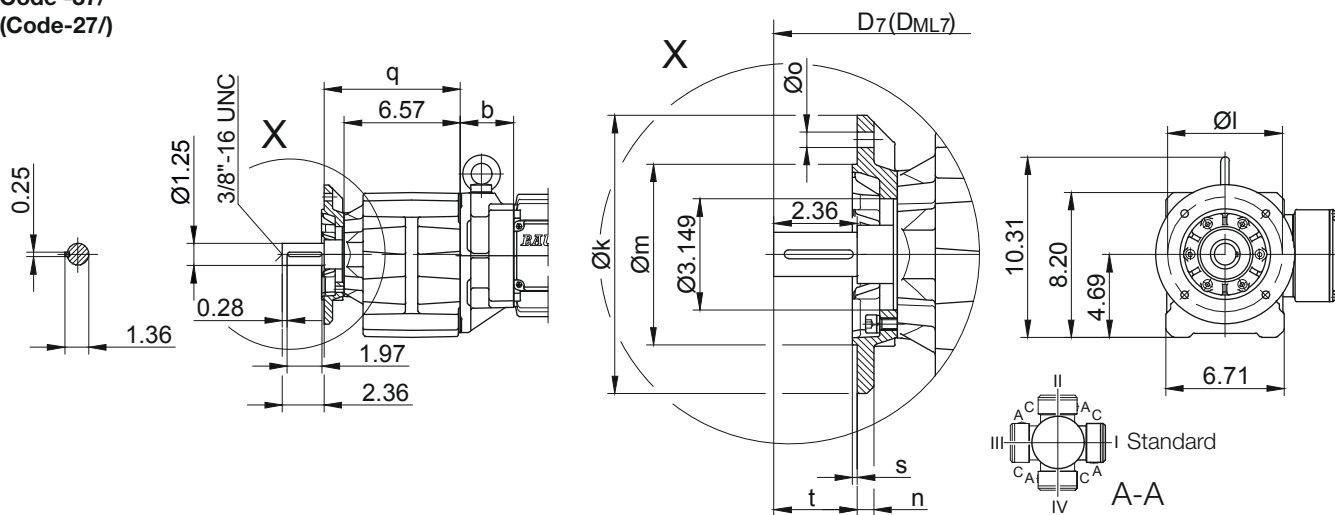
Code -11/



Flange with clearance holes

Code -37/

(Code-27/)



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG30..	Code -37/	7.874	6.496	5.118	0.472	0.433	7.717	0.138	2.380	d+0.827	d _{ML} +0.827	
BG30..	Code -27/	6.299	5.118	4.331	0.394	0.354	7.441	0.138	2.655	d+0.827	d _{ML} +0.827	

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-../D..05.A.	6.72	2.28	4.84	18.25	3.98	4.61	19.90	22.29	23.76	-
BG30Z-../D..05.A.	6.72	5.26	4.84	21.22	3.98	4.61	22.88	25.26	26.73	-
BG30-../D..06.A.	6.70	2.28	4.84	18.24	3.90	4.69	19.89	22.27	23.75	-
BG30Z-../D..06.A.	6.70	5.26	4.84	21.21	3.90	4.69	22.86	25.25	26.72	-
BG30-../D..07.A.	7.49	2.28	4.84	19.03	3.90	4.69	20.68	23.06	24.54	-
BG30Z-../D..07.A.	7.49	5.26	4.84	22.00	3.90	4.69	23.65	26.03	27.51	-
BG30-../D..08.A.	7.85	2.44	6.14	19.55	4.51	5.37	22.14	23.95	26.38	22.14
BG30Z-../D..08.A.	7.85	5.41	6.14	22.52	4.51	5.37	25.12	26.93	29.35	25.12
BG30-../D..08.B.	9.04	2.44	6.14	20.73	4.51	5.37	23.32	25.14	27.54	23.32
BG30Z-../D..08.B.	9.04	5.41	6.14	23.70	4.51	5.37	26.30	28.11	30.51	26.30
BG30-../D..09.A.	9.86	3.01	6.93	22.12	4.88	6.18	25.79	28.62	29.88	25.79
BG30Z-../D..09.A.	9.86	5.98	6.93	25.10	4.88	6.18	28.76	31.60	32.86	28.76
BG30-../D..09.B.	12.15	3.01	6.93	24.41	4.88	6.18	28.07	28.62	32.17	28.07
BG30Z-../D..09.B.	12.15	5.98	6.93	27.38	4.88	6.18	31.04	31.60	35.14	31.04
BG30-../D..11.A.	12.56	3.27	8.58	25.08	6.50	6.93	28.93	29.31	32.95	28.93
BG30Z-../D..11.B.	15.24	3.27	8.58	27.75	6.50	6.93	31.53	31.99	35.63	31.53

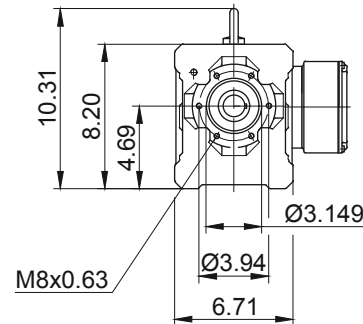
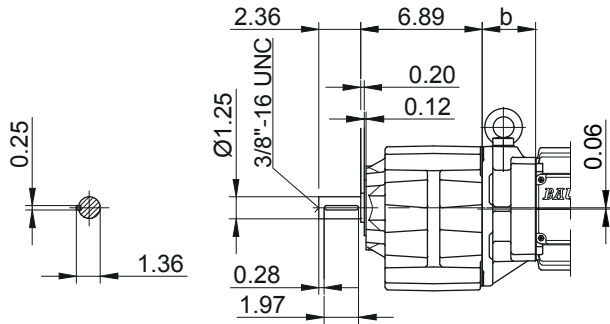
Dimensions in inch

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

BG30 - BG30Z

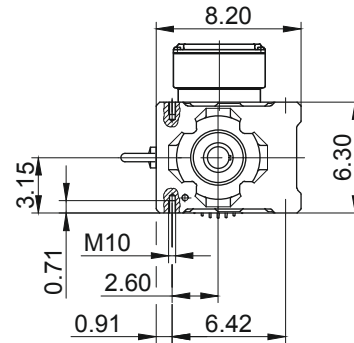
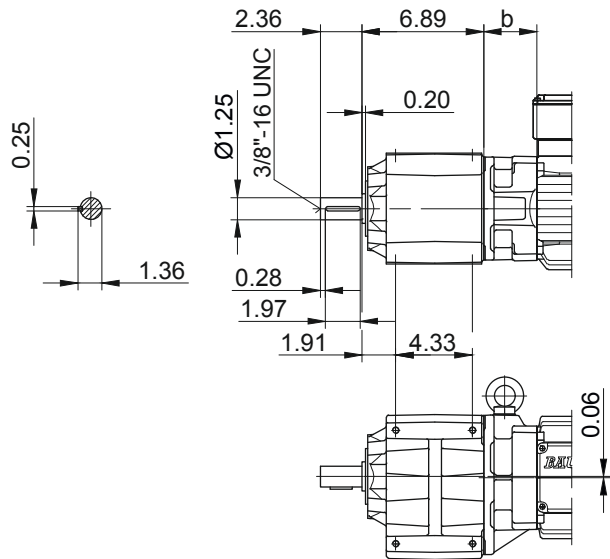
Flange with tapped holes

Code -71/



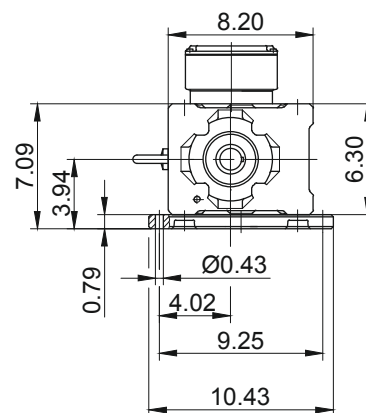
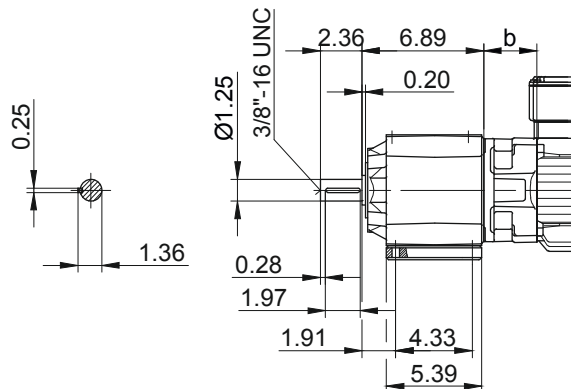
Foot with tapped holes left and right

Code -61LR/



Foot plate left

Code -91L/



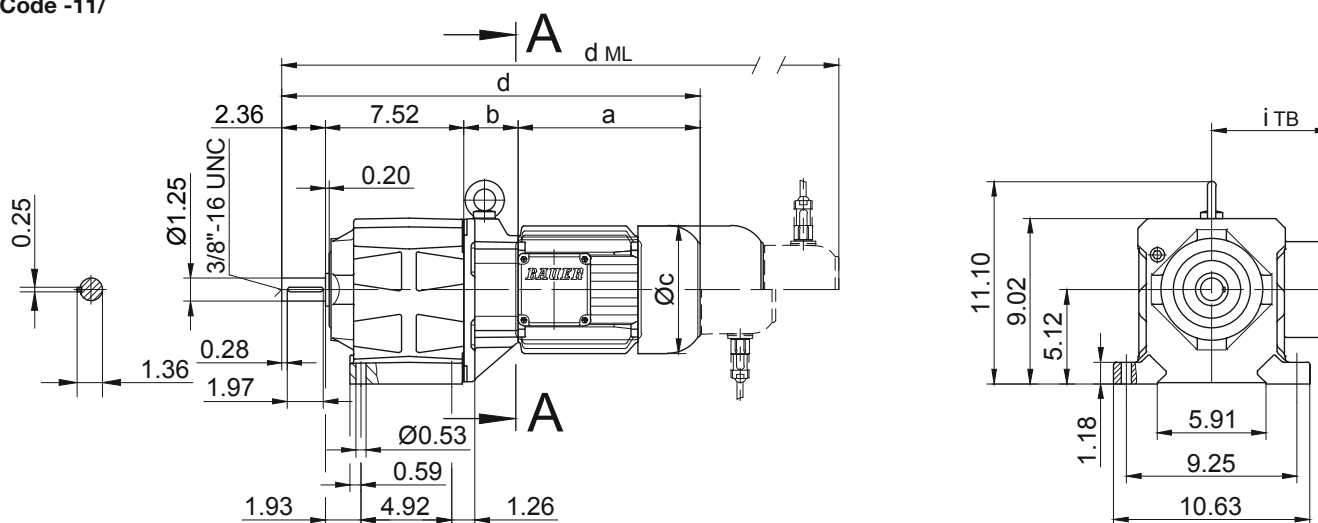
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension-Standard Imperial

BG40 - BG40Z

Foot mounting with clearance holes

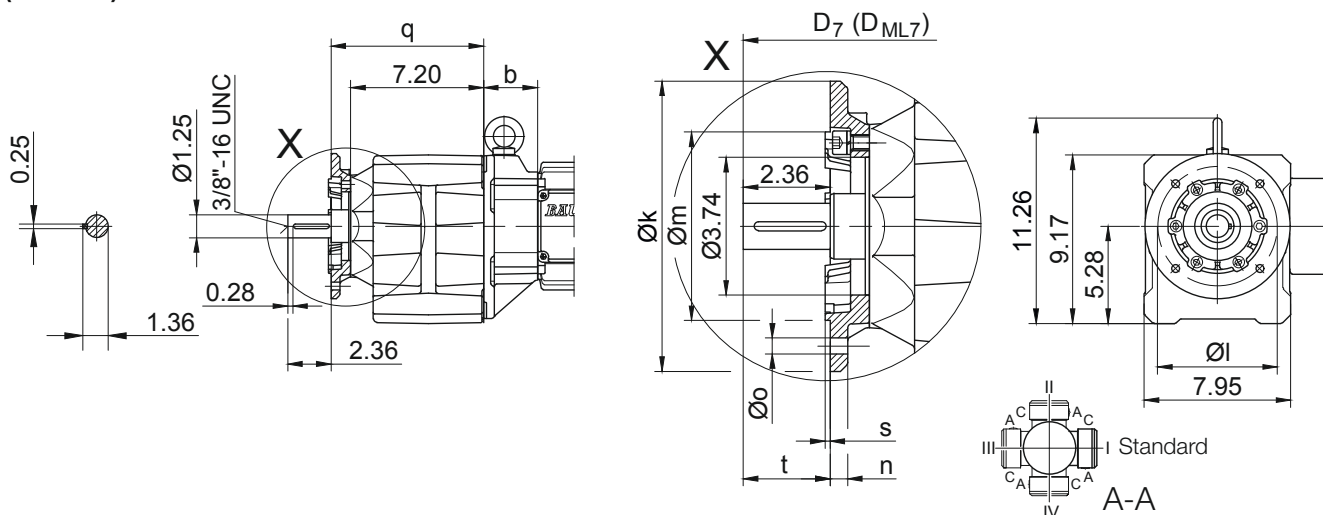
Code -11/



Flange with clearance holes

Code -37/

(Code-47/)



Flange Dimensions											Shaft extension tolerance:	
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG40..	Code -37/	7.874	6.496	5.118	0.472	0.433	8.268	0.138	2.399	d+0.748	d _{ML} +0.748	up to 1.5 in diameter: +0.000 / -0.0005 in
BG40..	Code -47/	9.843	8.465	7.087	0.630	0.531	8.622	0.157	2.045	d+0.748	d _{ML} +0.748	over 1.5 in diameter: +0.000 / -0.001 in
Dimensions in inch											Flange spigot diameter: +0.0003 / -0.0015 in	

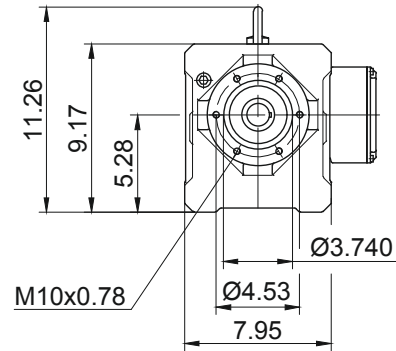
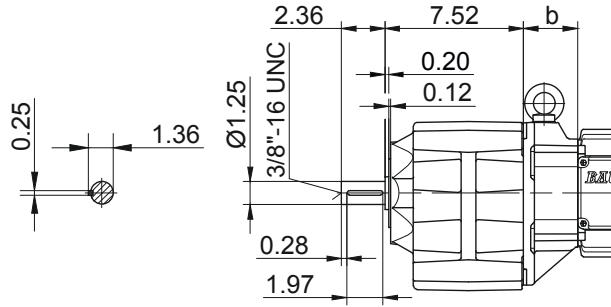
Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BG40Z-../D..05.A.	6.72	5.45	4.84	22.05	3.98	4.61	23.70	26.08	27.56	-
BG40Z-../D..06.A.	6.70	5.45	4.84	22.04	3.90	4.69	23.69	26.07	27.55	-
BG40Z-../D..07.A.	7.49	5.45	4.84	22.82	3.90	4.69	24.48	26.86	28.34	-
BG40-../D..08.A.	7.85	2.36	6.14	20.10	4.51	5.37	22.69	24.51	26.93	22.69
BG40Z-../D..08.A.	7.85	5.61	6.14	23.34	4.51	5.37	25.94	27.75	30.17	25.94
BG40-../D..08.B.	9.04	2.36	6.14	21.28	4.51	5.37	23.88	25.69	28.09	23.88
BG40Z-../D..08.B.	9.04	5.61	6.14	24.53	4.51	5.37	27.12	28.93	31.34	27.12
BG40-../D..09.A.	9.86	2.93	6.93	22.67	4.88	6.18	26.34	26.91	30.43	26.34
BG40Z-../D..09.A.	9.86	6.18	6.93	25.92	4.88	6.18	29.58	30.16	33.68	29.58
BG40-../D..09.B.	12.15	2.93	6.93	24.96	4.88	6.18	28.62	29.17	32.72	28.62
BG40Z-../D..09.B.	12.15	6.18	6.93	28.21	4.88	6.18	31.87	32.42	35.97	31.87
BG40-../D..11.A.	12.56	3.19	8.58	25.63	6.50	6.93	29.49	29.86	33.51	29.49
BG40-../D..11.B.	15.24	3.19	8.58	28.30	6.50	6.93	32.08	32.54	36.18	32.08

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

BG40 - BG40Z

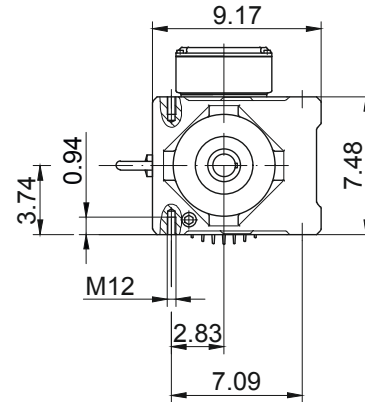
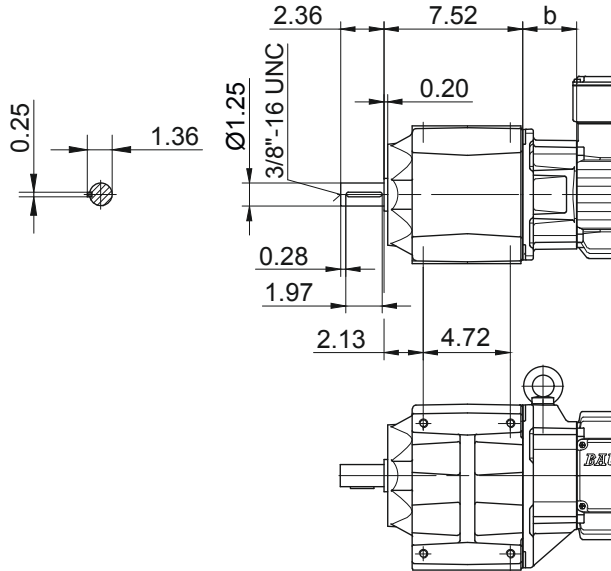
Flange with tapped holes

Code -71/



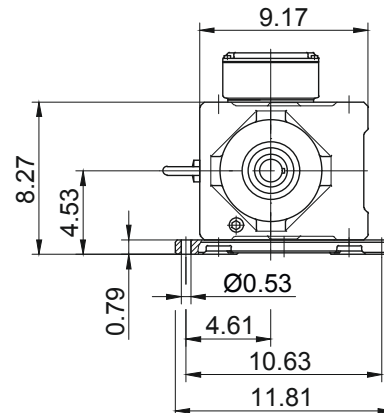
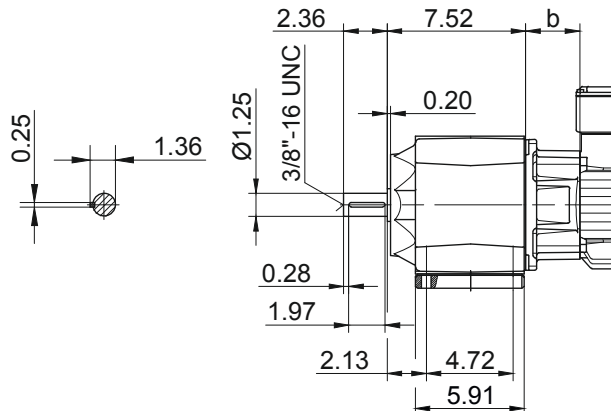
Foot with tapped holes left and right

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.

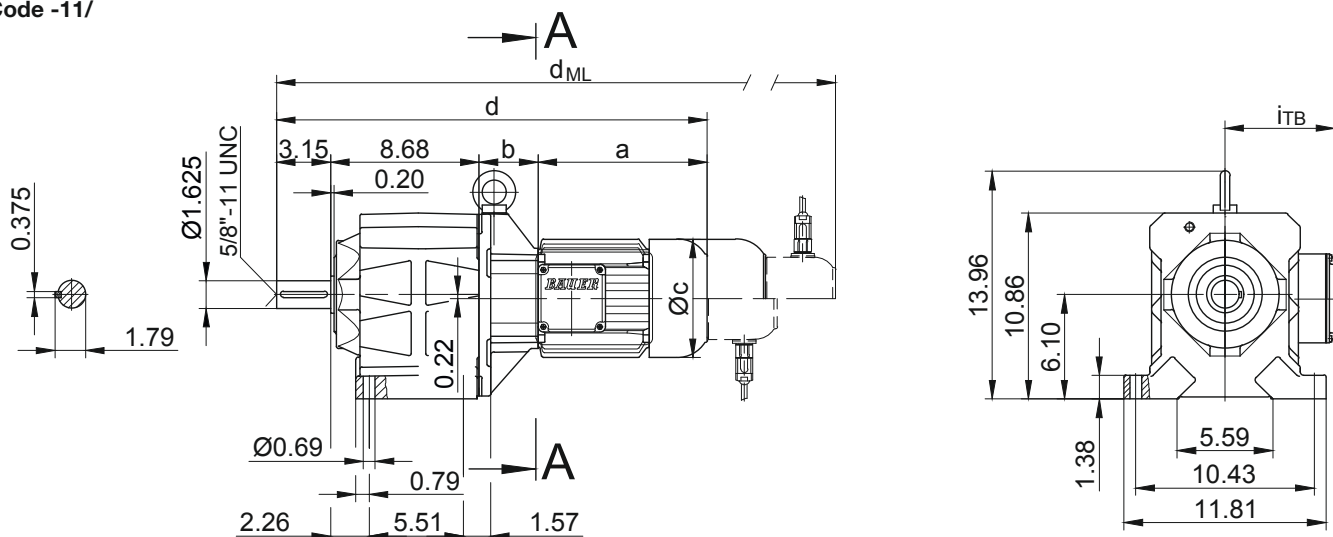
BG-series helical-geared motors

Dimension-Standard Imperial

BG50 - BG50Z

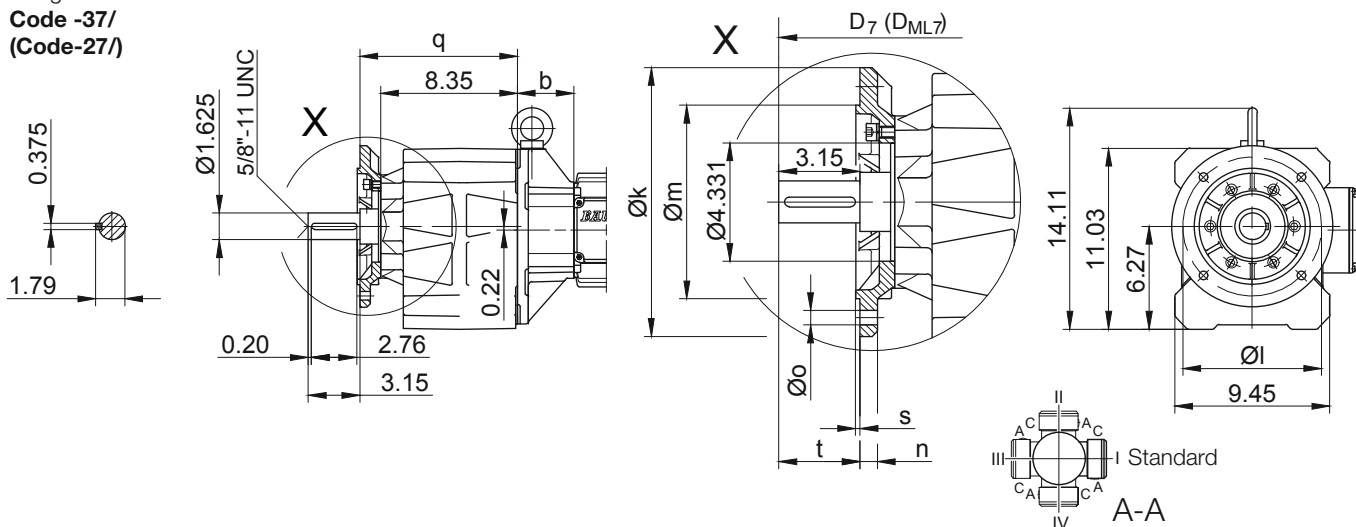
Foot mounting with clearance holes

Code -11/



Flange with clearance holes

Code -37/
(Code-27/)



Flange Dimensions

Type	Design	k	l	m	n	o	q	s	t	D	D
BG50..	Code -37/	9.843	8.465	7.087	0.630	0.531	9.606	0.157	3.170	d+0.925	d _{ML} +0.925
BG50..	Code -27/	7.874	6.496	5.118	0.472	0.433	9.488	0.138	3.288	d+0.925	d _{ML} +0.925

Dimensions in inch

Shaft extension tolerance:

up to 1.5 in diameter: +0.000 / -0.0005 in

over 1.5 in diameter: +0.000 / -0.001 in

Flange spigot diameter: +0.0003 / -0.0015 in

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
BG50Z-../D..05.A.	6.72	6.10	4.84	24.65	3.98	4.61	26.30	28.69	30.16	-
BG50Z-../D..06.A.	6.70	6.10	4.84	24.64	3.90	4.69	26.29	28.67	30.15	-
BG50Z-../D..07.A.	7.49	6.10	4.84	25.43	3.90	4.69	27.08	29.46	30.94	-
BG50-../D..08.A.	7.85	2.87	6.14	22.56	4.51	5.37	25.16	26.97	29.39	25.16
BG50Z-../D..08.A.	7.85	6.26	6.14	25.95	4.51	5.37	28.54	30.35	32.78	28.54
BG50-../D..08.B.	9.04	2.87	6.14	23.74	4.51	5.37	26.34	28.15	30.55	26.34
BG50Z-../D..08.B.	9.04	6.26	6.14	27.13	4.51	5.37	29.72	31.54	33.94	29.72
BG50-../D..09.A.	9.86	3.44	6.93	25.14	4.88	6.18	28.80	29.37	32.90	28.80
BG50Z-../D..09.A.	9.86	6.83	6.93	28.52	4.88	6.18	32.19	32.76	36.28	32.19
BG50-../D..09.B.	12.15	3.44	6.93	27.42	4.88	6.18	31.08	31.64	35.18	31.08
BG50Z-../D..09.B.	12.15	6.83	6.93	30.81	4.88	6.18	34.47	35.02	38.57	34.47
BG50-../D..11.A.	12.56	3.70	8.58	28.09	6.50	6.93	31.95	32.33	35.97	31.95
BG50Z-../D..11.A.	12.56	6.83	8.58	31.48	6.50	6.93	35.34	35.72	39.36	35.34
BG50-../D..11.B.	15.24	3.70	8.58	30.77	6.50	6.93	34.55	35.00	38.65	34.55
BG50Z-../D..13.A.	15.47	4.21	10.16	31.52	8.54	8.54	35.89	35.73	39.87	35.77
BG50-../D..16.B.	17.89	4.76	12.20	34.49	9.57	9.57	40.14	38.71	44.22	40.14
BG50Z-../D..18.B.	21.34	5.63	13.70	38.80	11.34	11.34	44.69	42.96	48.76	44.69

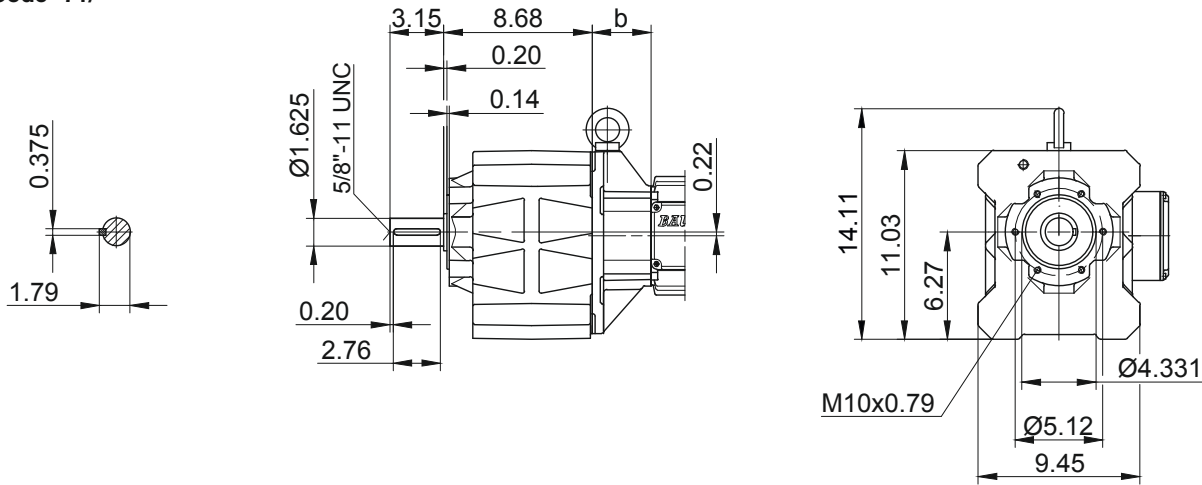
Dimensions in inch

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

BG50 - BG50Z

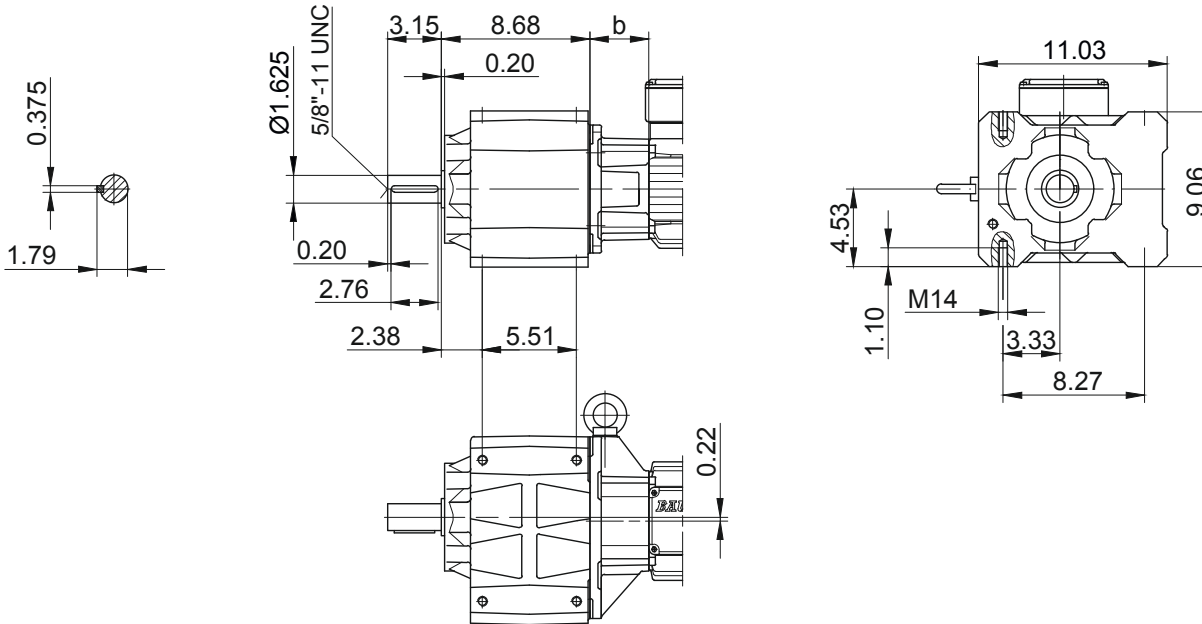
Flange with tapped holes

Code -71/



Foot with tapped holes left and right

Code -61LR/



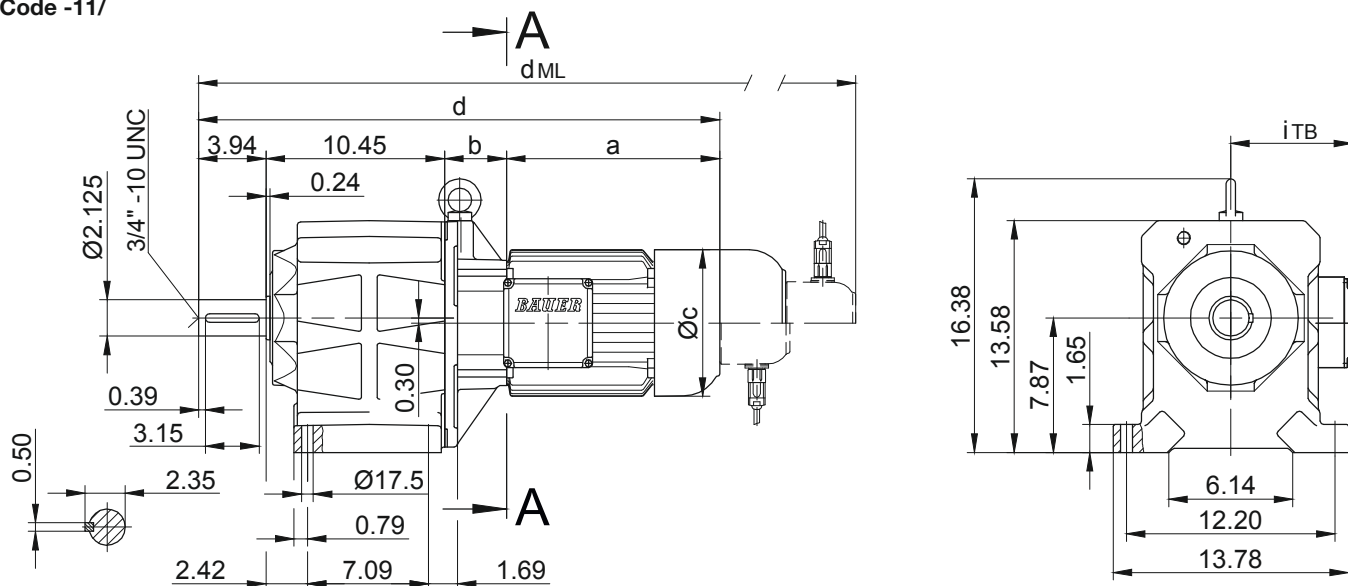
BG-series helical-geared motors

Dimension-Standard Imperial

BG60 - BG60Z

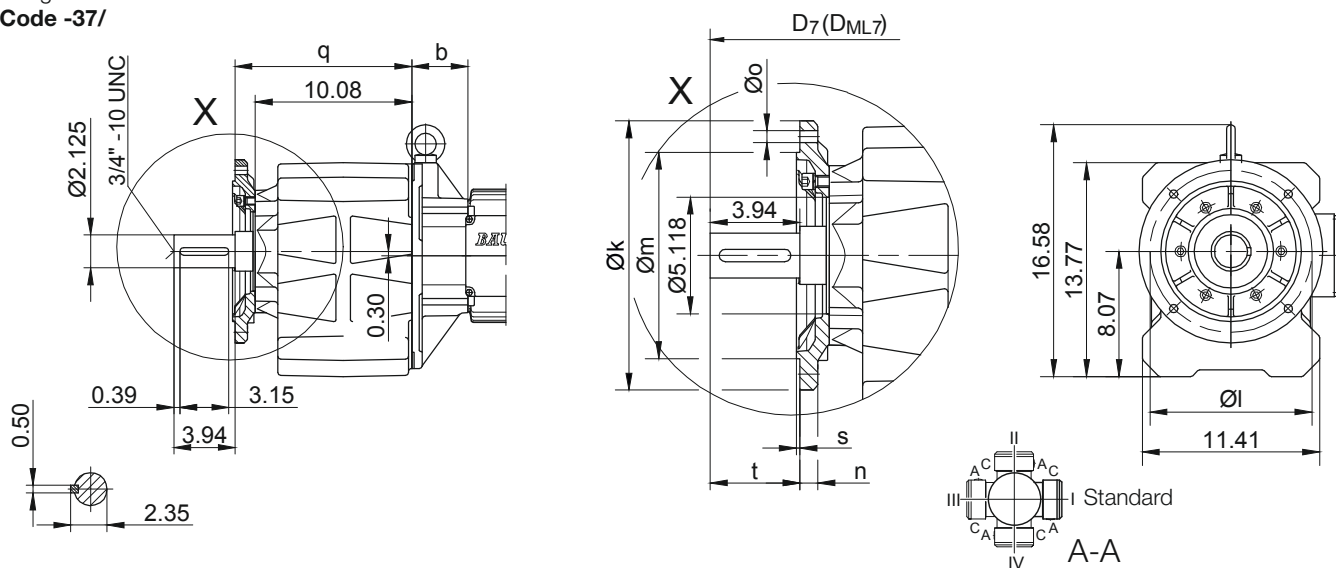
Foot mounting with clearance holes

Code -11/



Flange with clearance holes

Code -37/



Flange Dimensions

Type	Design	k	l	m	n	o	q	s	t	D	D
BG60..	Code -37/	11.811	10.433	9.055	0.787	0.531	11.378	0.157	3.960	d+0.925	d _{ML} +0.925
BG60..	Code -27/	9.843	8.465	7.087	0.630	0.531	11.260	0.157	4.078	d+0.925	d _{ML} +0.925

Dimensions in inch

Shaft extension tolerance:
up to 1.5 in diameter: +0.000 / -0.0005 in
over 1.5 in diameter: +0.000 / -0.001 in
Flange spigot diameter: +0.0003 / -0.0015 in

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-../D..08.A.	7.85	7.13	6.14	29.37	4.51	5.37	31.97	33.78	36.20	31.97
BG60Z-../D..08.B.	9.04	7.13	6.14	30.55	4.51	5.37	33.15	34.96	37.37	33.15
BG60-../D..09.A.	9.86	3.37	6.93	27.62	4.88	6.18	31.28	31.86	35.38	31.28
BG60Z-../D..09.A.	9.86	7.70	6.93	31.95	4.88	6.18	35.61	36.19	39.71	35.61
BG60-../D..09.B.	12.15	3.37	6.93	29.90	4.88	6.18	33.57	34.12	37.66	33.57
BG60Z-../D..09.B.	12.15	7.70	6.93	34.24	4.88	6.18	37.90	38.45	42.00	37.90
BG60-../D..11.A.	12.56	3.62	8.58	30.57	6.50	6.93	34.43	34.81	38.45	34.43
BG60Z-../D..11.A.	12.56	7.95	8.58	34.90	6.50	6.93	38.76	39.14	42.78	38.76
BG60-../D..11.B.	15.24	3.62	8.58	33.25	6.50	6.93	37.03	37.49	41.13	37.03
BG60Z-../D..11.B.	15.24	7.95	8.58	37.58	6.50	6.93	41.36	41.82	45.46	41.36
BG60-../D..13.A.	15.47	4.13	10.16	34.00	8.54	8.54	38.37	38.22	42.35	38.25
BG60-../D..16.B.	17.89	4.69	12.20	36.97	9.57	9.57	42.62	41.19	46.70	42.62
BG60-../D..18.B.	21.34	5.55	13.70	41.28	11.34	11.34	47.17	45.44	51.25	47.17

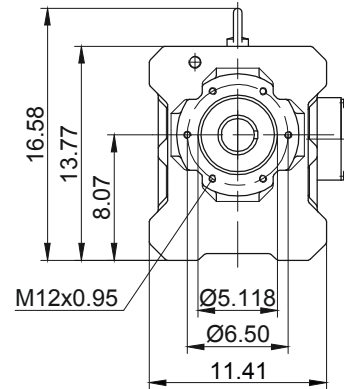
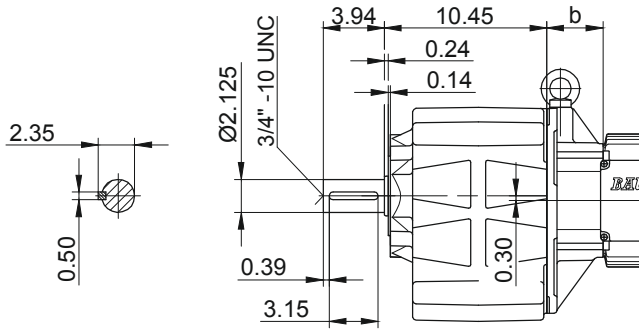
Dimensions in inch

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

BG60 - BG60Z

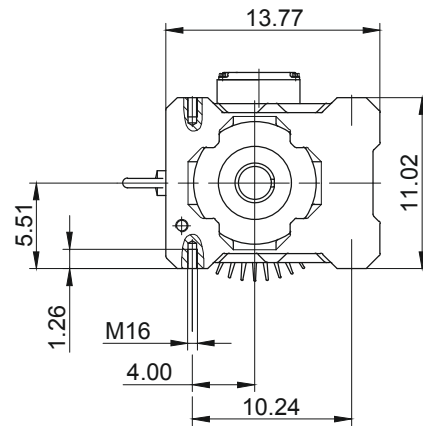
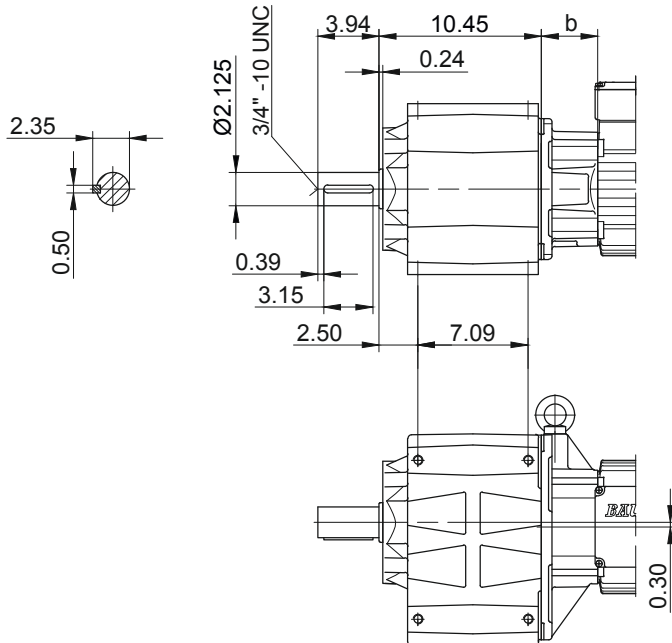
Flange with tapped holes

Code -71/



Foot with tapped holes left and right

Code -61LR/



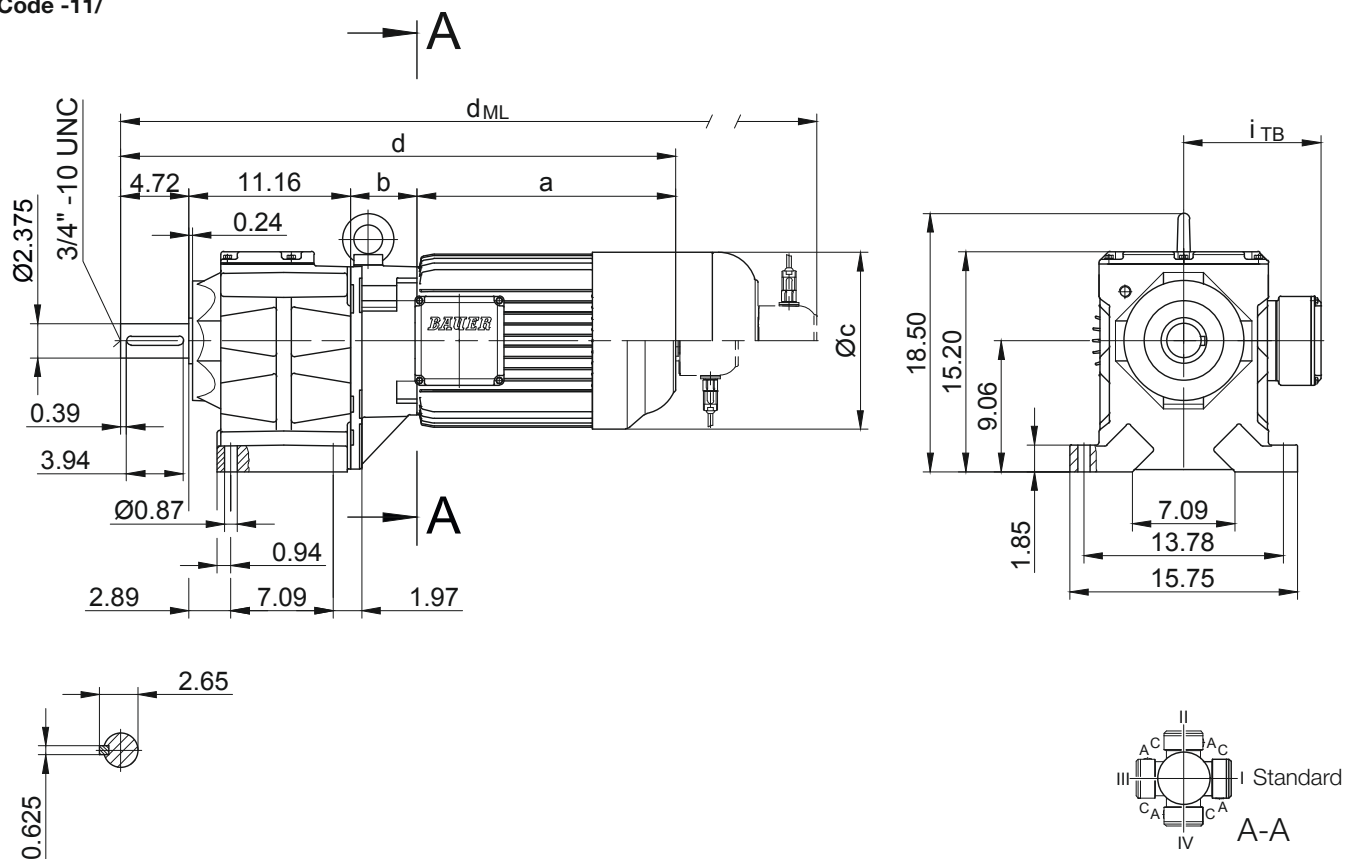
BG-series helical-geared motors

Dimension-Standard Imperial

BG70 - BG70Z

Foot mounting with clearance holes

Code -11/



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG70..	Code -37/	13.780	11.811	9.843	0.787	0.689	12.362	0.197	4.740	d+1.201	d _{ML} +1.201	
BG70..	Code -27/	11.811	10.433	9.055	0.787	0.531	12.677	0.157	4.464	d+1.201	d _{ML} +1.201	
Dimensions in inch												
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-../D..08.A.	7.85	7.95	6.14	31.69	4.51	5.37	34.29	36.10	38.52	34.29		
BG70Z-../D..08.B.	9.04	7.95	6.14	32.87	4.51	5.37	35.47	37.28	39.68	35.47		
BG70-../D..09.A.	9.86	3.29	6.93	29.03	4.88	6.18	32.69	33.27	36.79	32.69		
BG70Z-../D..09.A.	9.86	8.52	6.93	34.27	4.88	6.18	37.93	38.50	42.03	37.93		
BG70-../D..09.B.	12.15	3.29	6.93	31.31	4.88	6.18	34.98	35.53	39.07	34.98		
BG70Z-../D..09.B.	12.15	8.52	6.93	36.55	4.88	6.18	40.21	40.77	44.31	40.21		
BG70-../D..11.A.	12.56	3.54	8.58	31.98	6.50	6.93	35.84	36.22	39.86	35.84		
BG70Z-../D..11.A.	12.56	8.78	8.58	37.22	6.50	6.93	41.08	41.46	45.10	41.08		
BG70-../D..11.B.	15.24	3.54	8.58	34.66	6.50	6.93	38.44	38.90	42.54	38.44		
BG70Z-../D..11.B.	15.24	8.78	8.58	39.90	6.50	6.93	43.68	44.13	47.78	43.68		
BG70-../D..13.A.	15.47	4.06	10.16	35.41	8.54	8.54	39.78	39.63	43.76	39.66		
BG70Z-../D..13.A.	15.47	9.29	10.16	40.65	8.54	8.54	45.02	44.86	49.00	44.90		
BG70-../D..16.B.	17.89	4.61	12.20	38.38	9.57	9.57	44.03	42.60	48.11	44.03		
BG70Z-../D..16.B.	17.89	9.84	12.20	43.62	9.57	9.57	49.27	25.72	53.35	49.27		
BG70-../D..18.B.	21.34	5.47	13.70	42.69	11.34	11.34	48.58	46.85	52.66	48.58		
BG70Z-../D..18.B.	21.34	10.71	13.70	47.93	11.34	11.34	53.81	52.09	57.89	53.81		
BG70-../D..20.A.	27.70	6.14	14.29	49.72	11.02	11.02	54.74	53.88	58.90	49.72		
BG70Z-../D..20.A.	27.70	6.14	14.29	49.72	11.02	11.02	54.74	53.88	58.90	49.72		
Dimensions in inch												

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

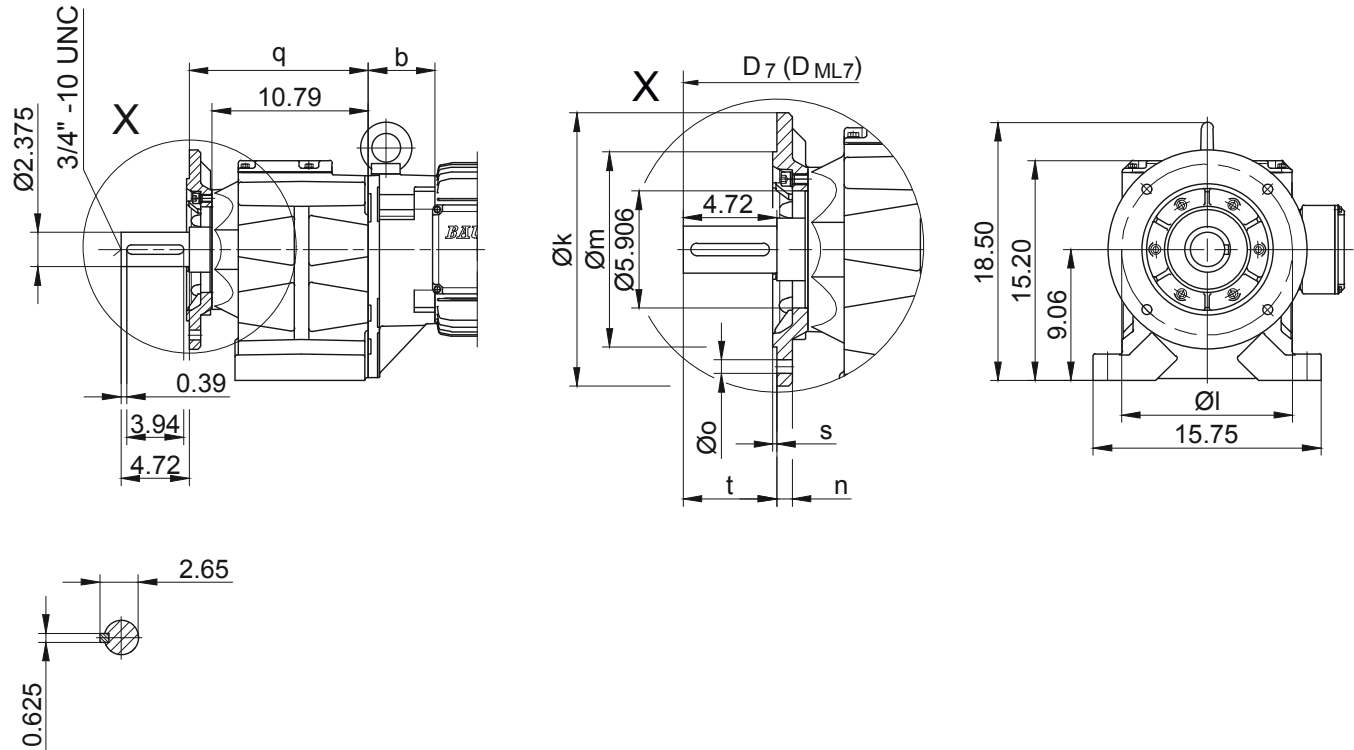
Dimension-Standard Imperial

BG70 - BG70Z

Flange with clearance holes

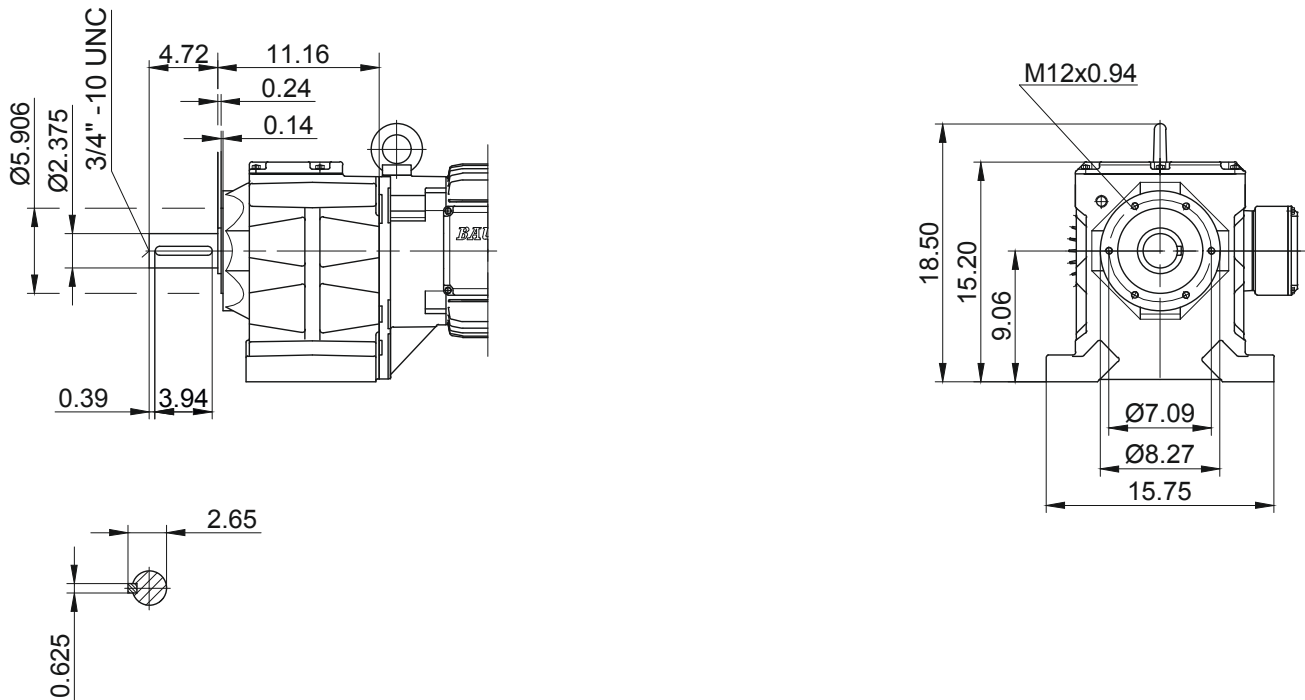
Code -37/

(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.

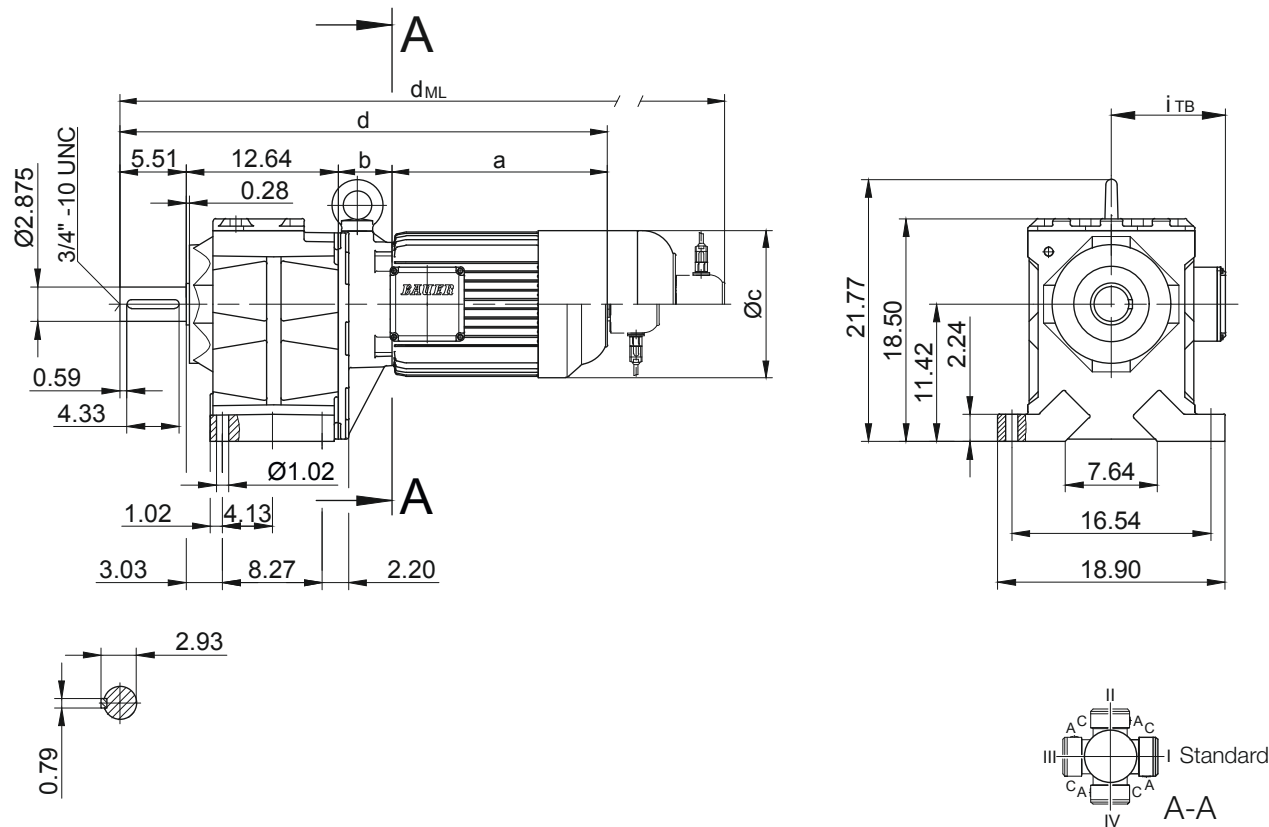
BG-series helical-geared motors

Dimension-Standard Imperial

BG80 - BG80Z

Foot mounting with clearance holes

Code -11/



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG80..	Code -37/	15.748	13.780	11.811	0.787	4 x 0.689	13.583	0.197	5.549	d+0.945	d _{ML} +0.945	
BG80..	Code -27/	13.780	11.811	9.843	0.787	4 x 0.689	13.583	0.197	5.549	d+0.945	d _{ML} +0.945	
BG80..	Code -47/	17.717	15.748	13.780	0.866	8 x 0.689	13.976	0.197	5.156	d+0.945	d _{ML} +0.945	

Dimensions in inch

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-../D..09.A.	9.86	9.94	6.93	37.95	4.88	6.18	41.61	42.19	45.71	41.61
BG80Z-../D..09.B.	12.15	9.94	6.93	40.23	4.88	6.18	43.90	44.45	47.99	43.90
BG80-../D..11.A.	12.56	3.43	8.58	34.13	6.50	6.93	37.99	38.37	42.01	37.99
BG80Z-../D..11.A.	12.56	10.20	8.58	40.90	6.50	6.93	44.76	45.14	42.01	37.99
BG80-../D..11.B.	15.24	3.43	8.58	36.81	6.50	6.93	40.59	41.05	44.69	40.59
BG80Z-../D..11.B.	15.24	10.20	8.58	43.58	6.50	6.93	47.36	47.82	51.46	47.36
BG80-../D..13.A.	15.47	3.94	10.16	37.56	8.54	8.54	41.93	41.77	45.91	41.81
BG80Z-../D..13.A.	15.47	10.71	10.16	44.33	8.54	8.54	48.70	48.55	52.68	48.58
BG80-../D..16.B.	17.89	4.49	12.20	40.53	9.57	9.57	46.18	44.75	50.26	46.18
BG80Z-../D..16.B.	17.89	11.26	12.20	47.30	9.57	9.57	52.95	51.52	57.03	52.95
BG80-../D..18.B.	21.34	5.35	13.70	44.84	11.34	11.34	47.05	45.61	51.12	47.05
BG80Z-../D..18.B.	21.34	12.13	13.70	51.61	11.34	11.34	53.82	52.38	57.90	53.82
BG80-../D..20.A.	27.70	6.02	14.29	51.87	11.02	11.02	56.89	56.03	61.05	51.87
BG80Z-../D..22.A.	27.70	6.02	14.29	51.87	11.02	11.02	56.89	56.03	61.05	51.87

Dimensions in inch

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 Imperial

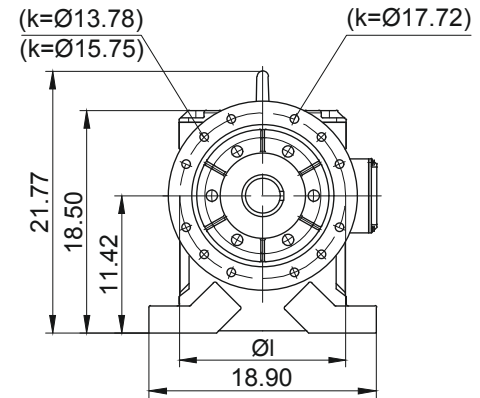
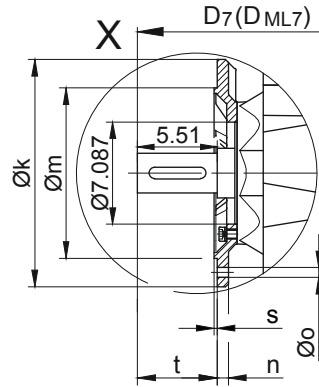
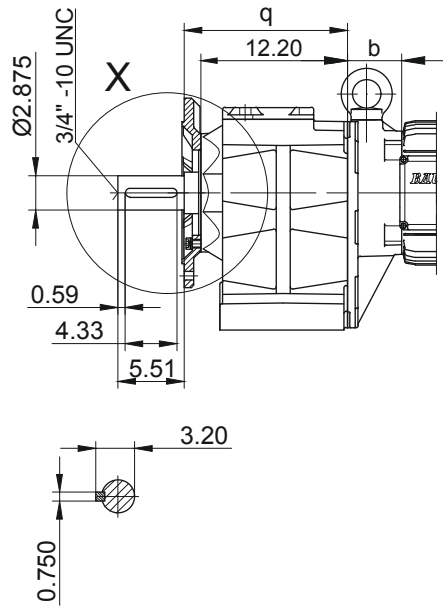
BG80 - BG80Z

Flange with clearance holes

Code -37/

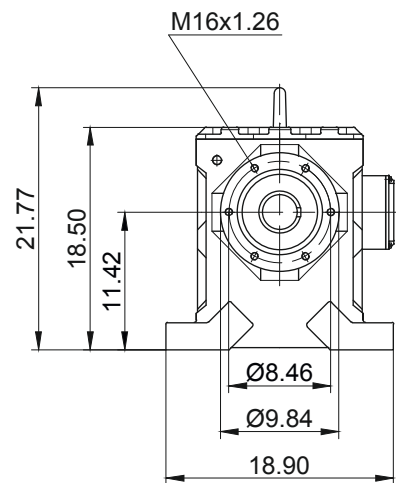
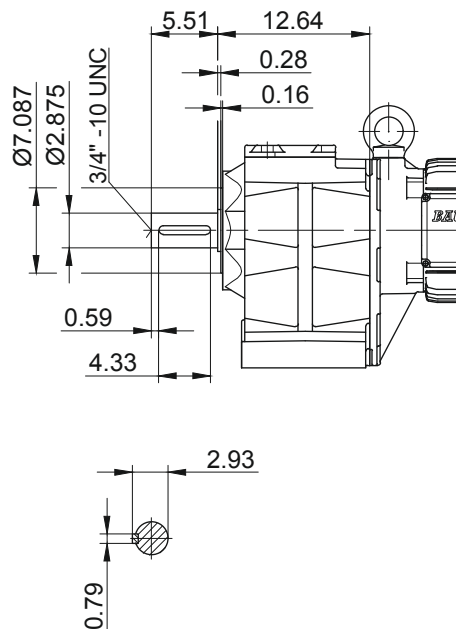
(Code -27/)

(Code -47/)



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.

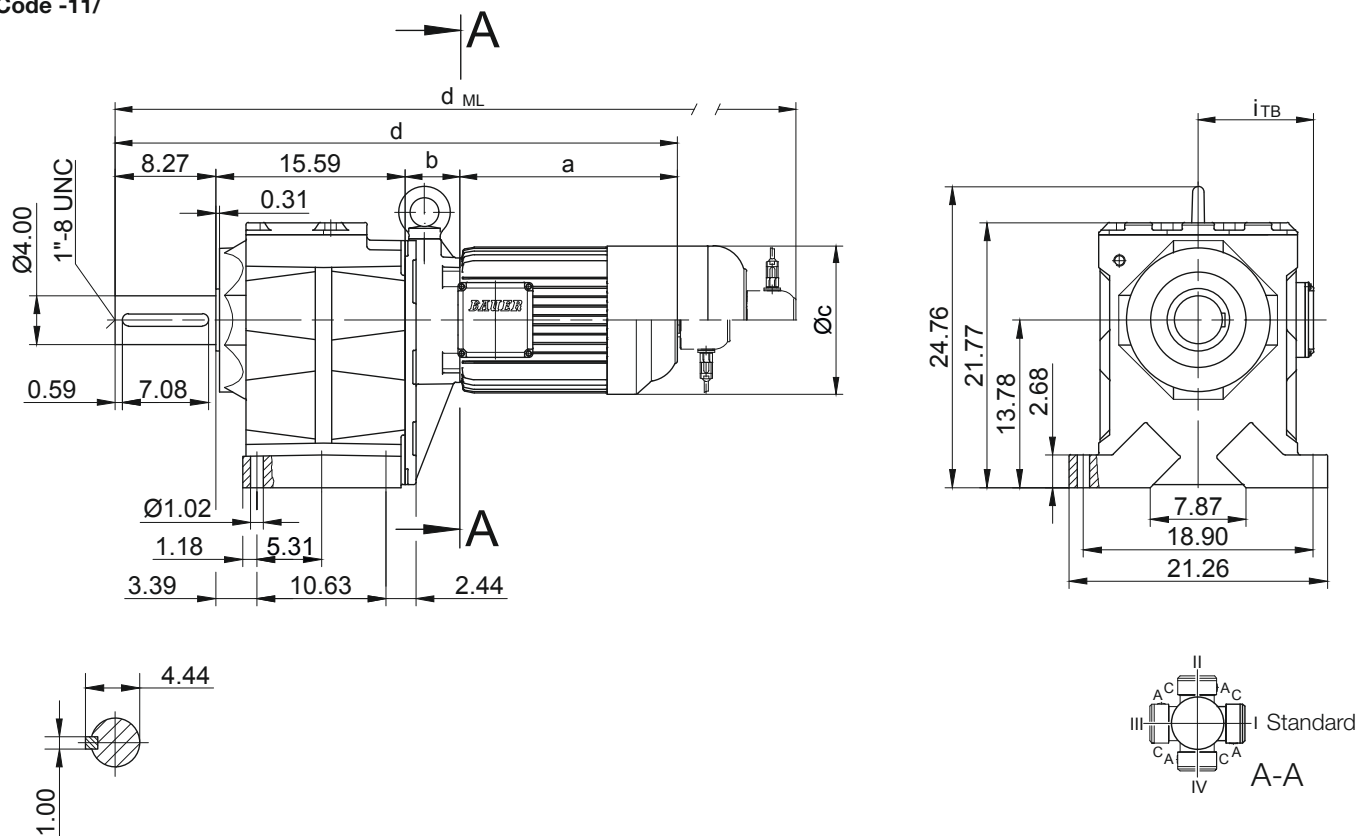
BG-series helical-geared motors

Dimension-Standard Imperial

BG90 - BG90Z

Foot mounting with clearance holes

Code -11/



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG90..	Code -37/	17.717	15.748	13.780	0.866	0.689	17.283	0.197	8.309	$d+1.693$	$d_{ML}+1.693$	
BG90..	Code -47/	21.654	19.685	17.717	0.866	0.689	17.480	0.197	8.113	$d+1.693$	$d_{ML}+1.693$	

Dimensions in inch

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-../D..09.A.	9.86	10.51	6.93	44.23	4.88	6.18	47.90	48.47	51.99	47.90
BG90Z-../D..09.B.	12.15	10.51	6.93	46.52	4.88	6.18	50.18	50.73	54.28	50.18
BG90Z-../D..11.A.	12.56	10.77	8.58	47.19	6.50	6.93	51.05	51.42	55.07	51.05
BG90Z-../D..11.B.	15.24	10.77	8.58	49.86	6.50	6.93	53.64	54.10	57.74	53.64
BG90-../D..13.A.	15.47	3.94	10.16	43.27	8.54	8.54	47.64	47.49	51.62	47.52
BG90Z-../D..13.A.	15.47	11.28	10.16	50.61	8.54	8.54	54.98	54.83	58.96	54.86
BG90-../D..16.B.	17.89	4.49	12.20	46.24	9.57	9.57	51.89	50.46	55.97	51.89
BG90Z-../D..16.B.	17.89	11.83	12.20	53.58	9.57	9.57	59.23	57.80	63.31	59.23
BG90-../D..18.B.	21.34	5.35	13.70	50.55	11.34	11.34	56.44	54.71	60.52	56.44
BG90Z-../D..18.B.	21.34	12.70	13.70	57.90	11.34	11.34	63.78	62.05	67.86	63.78
BG90-../D..20.A.	27.70	6.02	14.29	57.58	11.02	11.02	62.60	61.74	66.76	57.58
BG90-../D..22.A.	27.70	6.02	14.29	57.58	11.02	11.02	62.60	61.74	66.76	57.58

Dimensions in inch

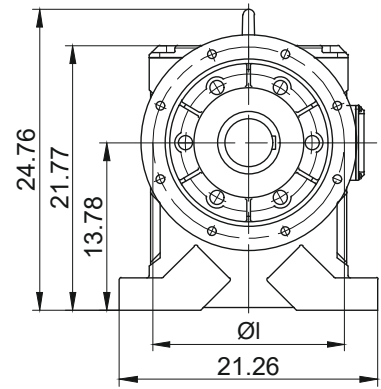
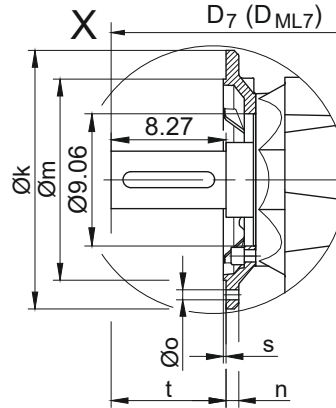
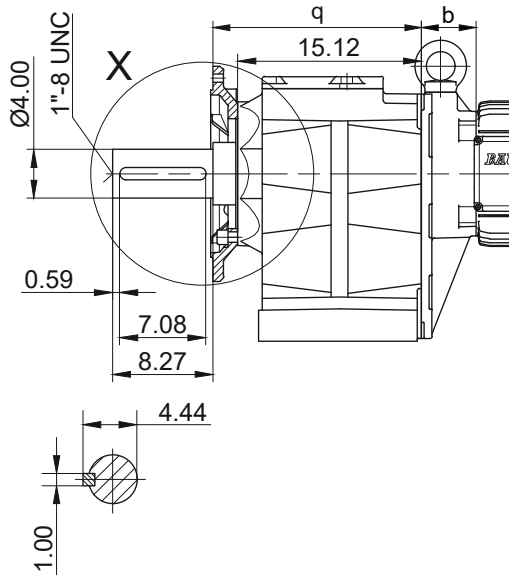
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG90 - BG90Z

Flange with clearance holes

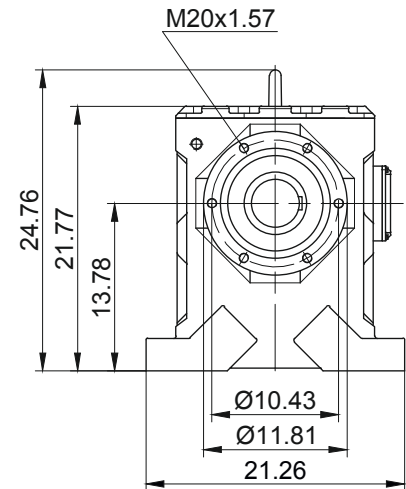
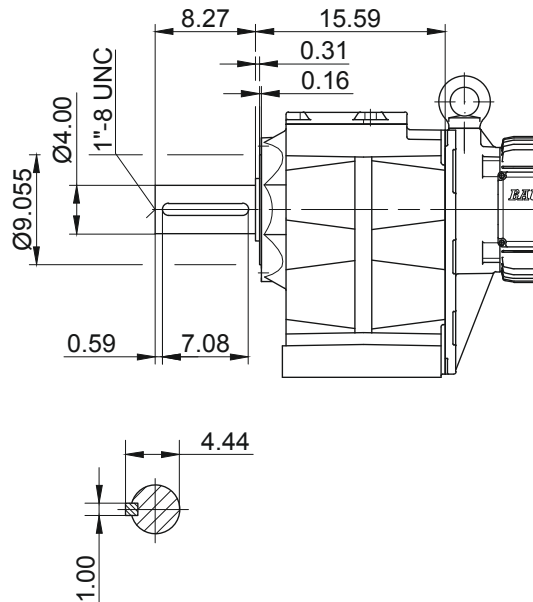
Code -37/

(Code -47/)



Flange with tapped holes

Code -71/



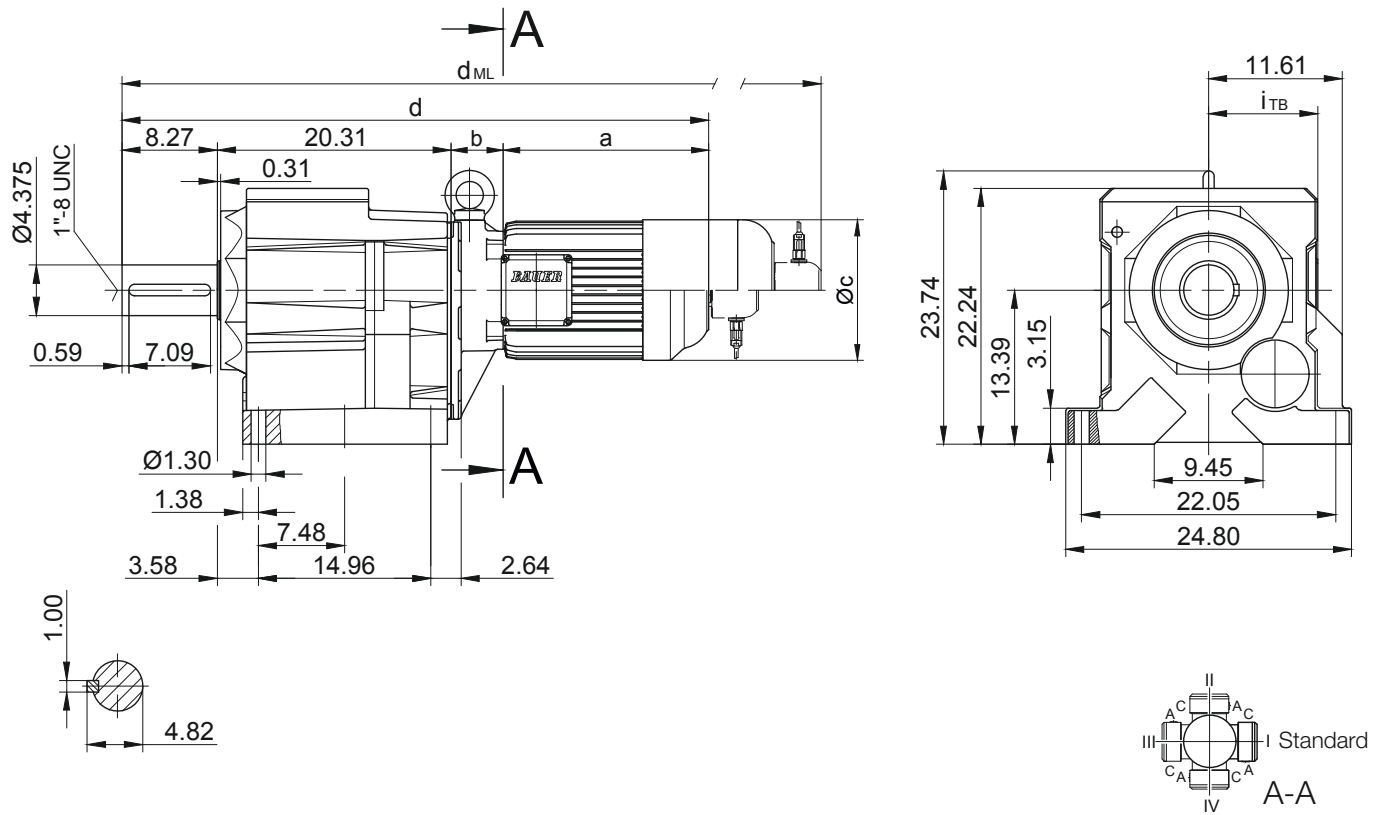
BG-series helical-geared motors

Dimension-Standard Imperial

BG100 - BG100Z

Foot mounting with clearance holes

Code -11/



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG100..	Code -37/	21.654	19.685	17.717	0.866	0.689	21.969	0.197	8.270	d+1.653	d _{ML} +1.653	
BG100..	Code -47/	25.984	23.622	21.654	0.984	0.866	21.732	0.236	8.546	d+1.653	d _{ML} +1.653	

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-../D..09.A.	9.86	9.94	6.93	48.39	4.88	6.18	52.05	52.62	56.15	52.05
BG100Z-../D..09.B.	12.15	9.94	6.93	50.67	4.88	6.18	54.33	54.89	58.43	54.33
BG100-../D..11.A.	12.56	3.43	8.58	44.57	6.50	6.93	48.43	48.81	52.45	48.43
BG100Z-../D..11.A.	12.56	10.20	8.58	51.34	6.50	6.93	55.20	55.58	59.22	55.20
BG100-../D..11.B.	15.24	3.43	8.58	47.25	6.50	6.93	51.03	51.48	55.12	51.03
BG100Z-../D..11.B.	15.24	10.20	8.58	54.02	6.50	6.93	57.80	58.25	61.90	57.80
BG100-../D..13.A.	15.47	3.94	10.16	47.99	8.54	8.54	52.36	52.21	56.34	52.25
BG100Z-../D..13.A.	15.47	10.71	10.16	54.77	8.54	8.54	59.14	58.98	63.12	59.02
BG100-../D..16.B.	17.89	4.49	12.20	50.97	9.57	9.57	56.62	55.18	60.70	56.62
BG100Z-../D..16.B.	17.89	11.26	12.20	57.74	9.57	9.57	63.39	61.96	67.47	63.39
BG100-../D..18.B.	21.34	5.35	13.70	55.28	11.34	11.34	57.48	59.44	61.56	57.48
BG100Z-../D..18.B.	21.34	12.13	13.70	62.05	11.34	11.34	67.94	66.21	72.01	67.94
BG100-../D..20.A.	27.70	6.02	14.29	62.31	11.02	11.02	67.33	66.46	71.48	62.31
BG100Z-../D..22.A.	27.70	6.02	14.29	62.31	11.02	11.02	67.33	66.46	71.48	62.31

Dimensions in inch

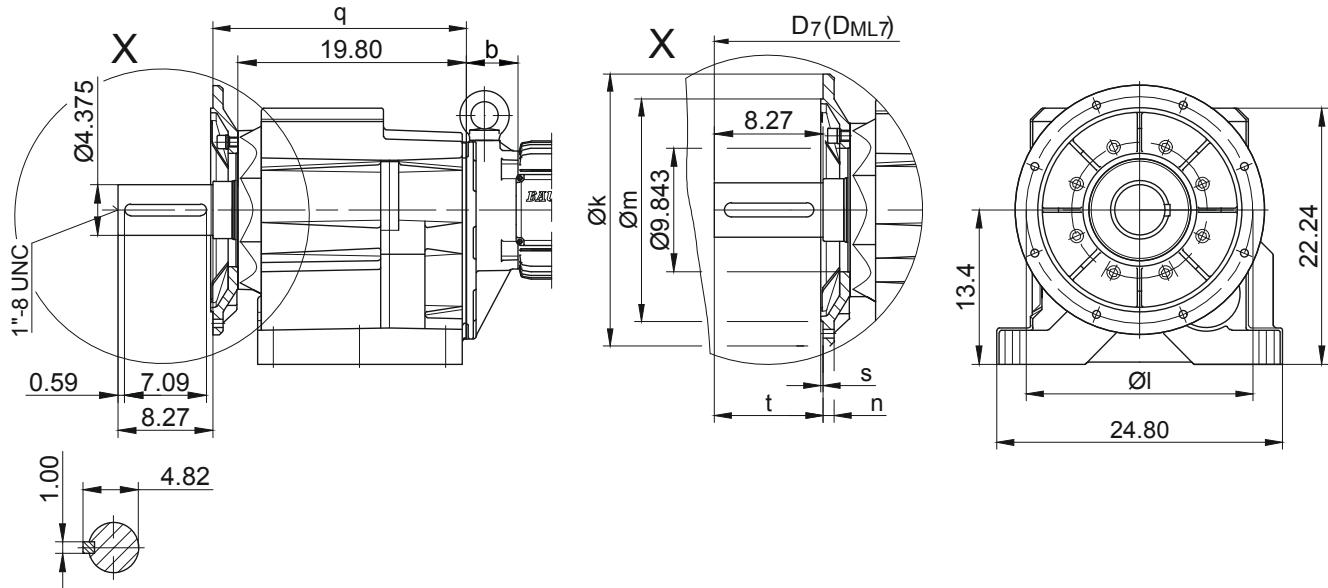
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG100 - BG100Z

Flange with clearance holes

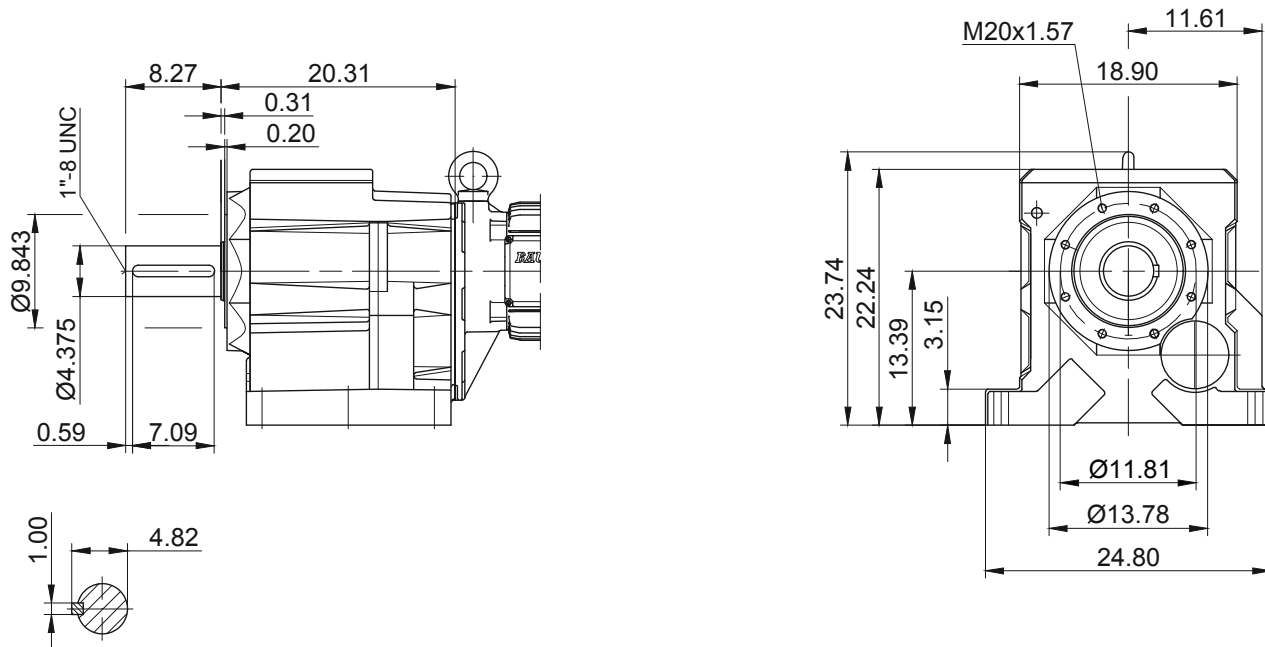
Code -37/

(Code -47/)



Flange with tapped holes

Code -71/



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

Energy Efficient Geared Motors

AC Line Operated / North America

10

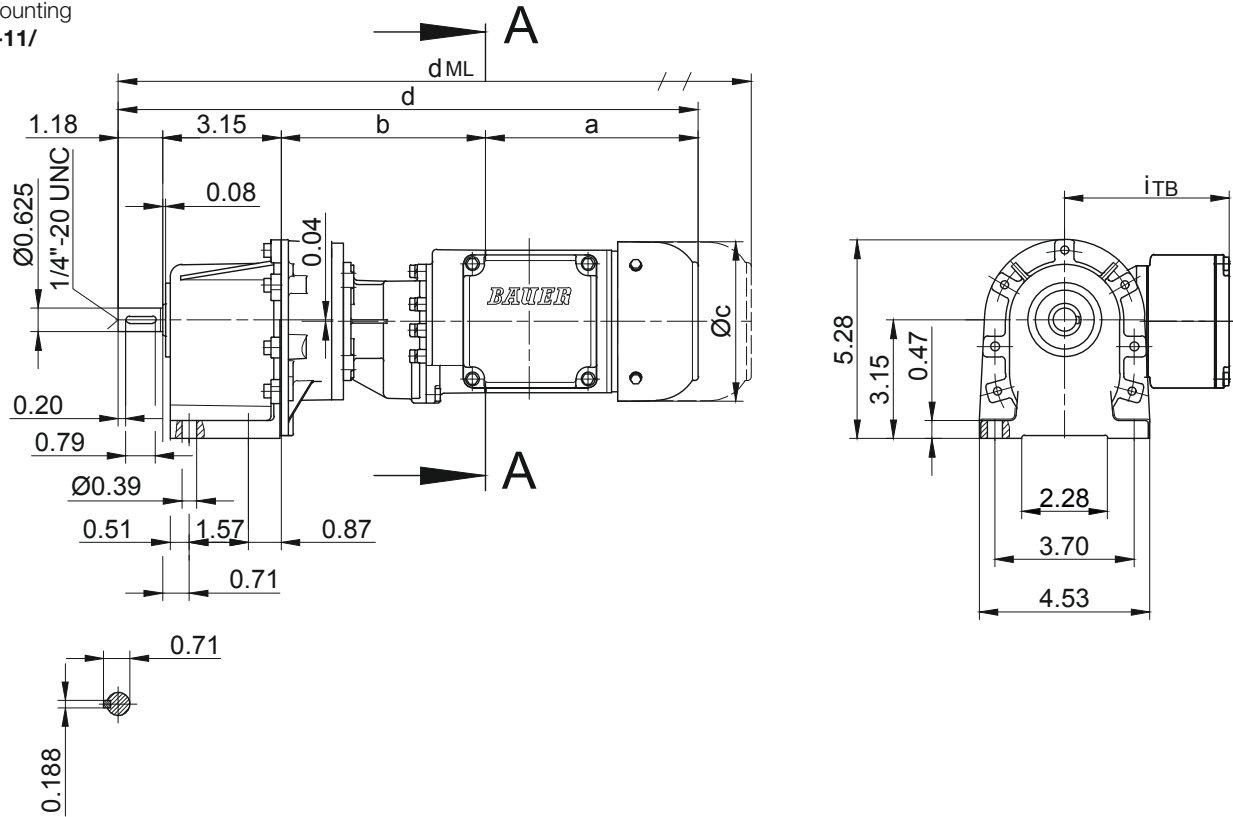
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG06G04

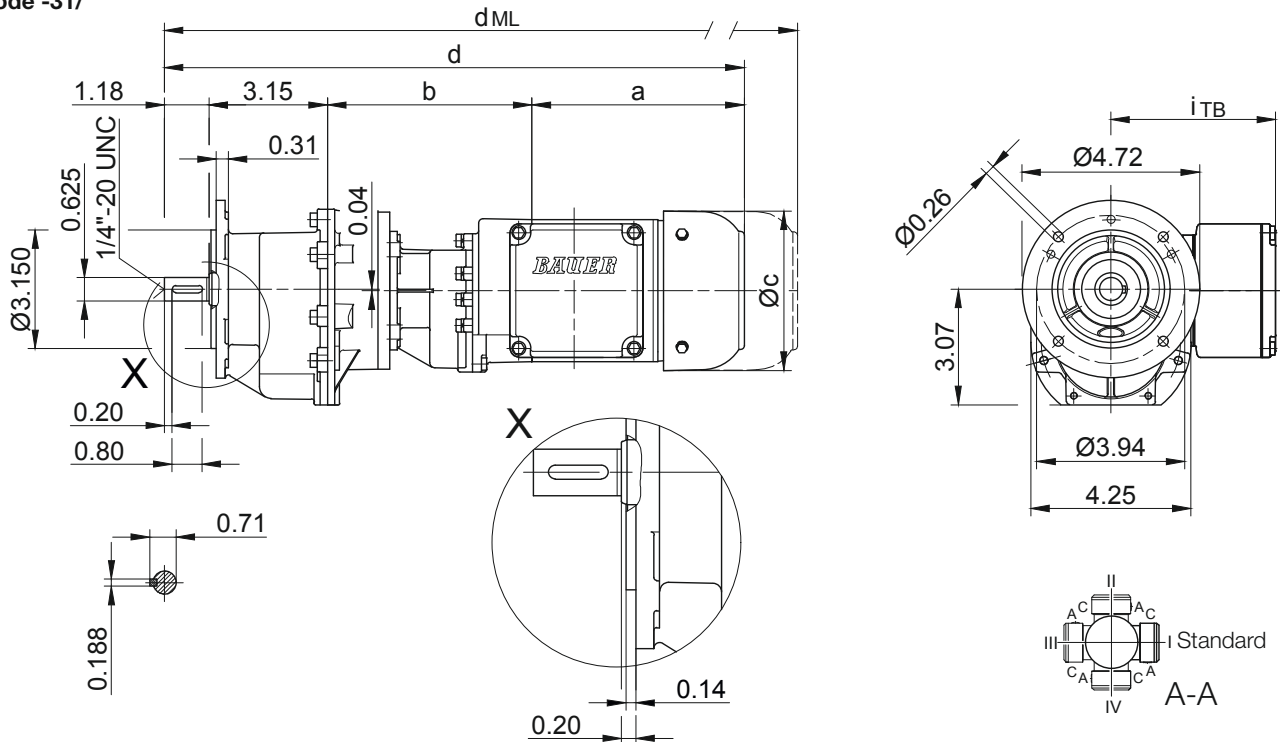
Foot mounting

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
BG06G04-../D04.A.	6.70	7.76	4.84	21.70	3.90	4.69	23.35	25.74	27.21	-

Dimensions in inch

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

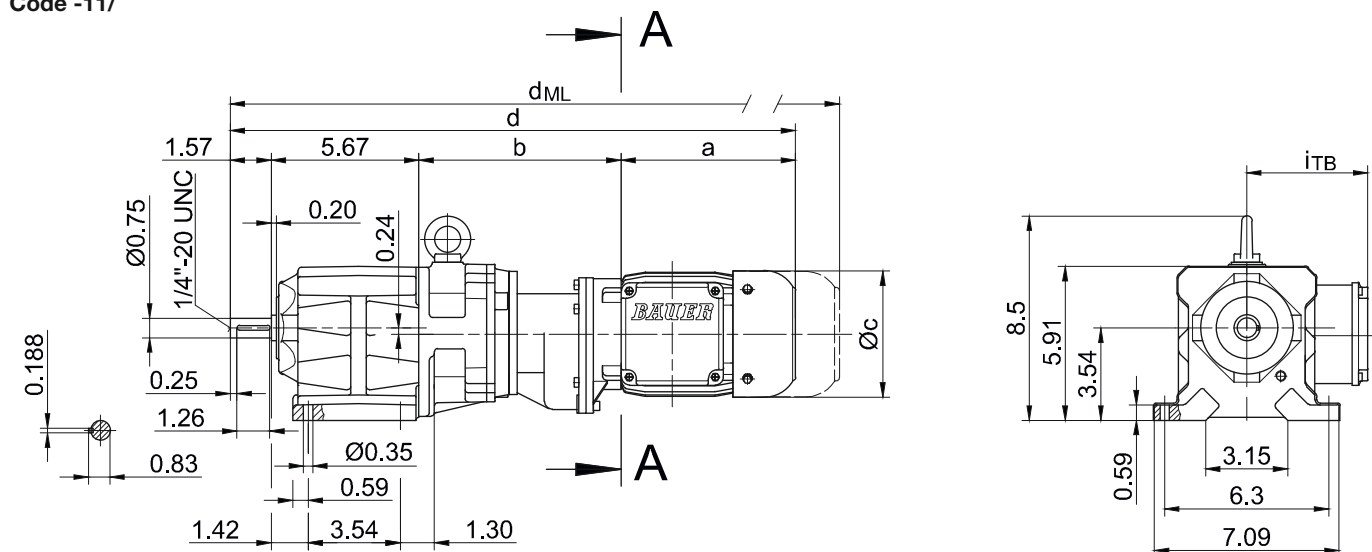
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG10G06

Foot mounting with clearance holes

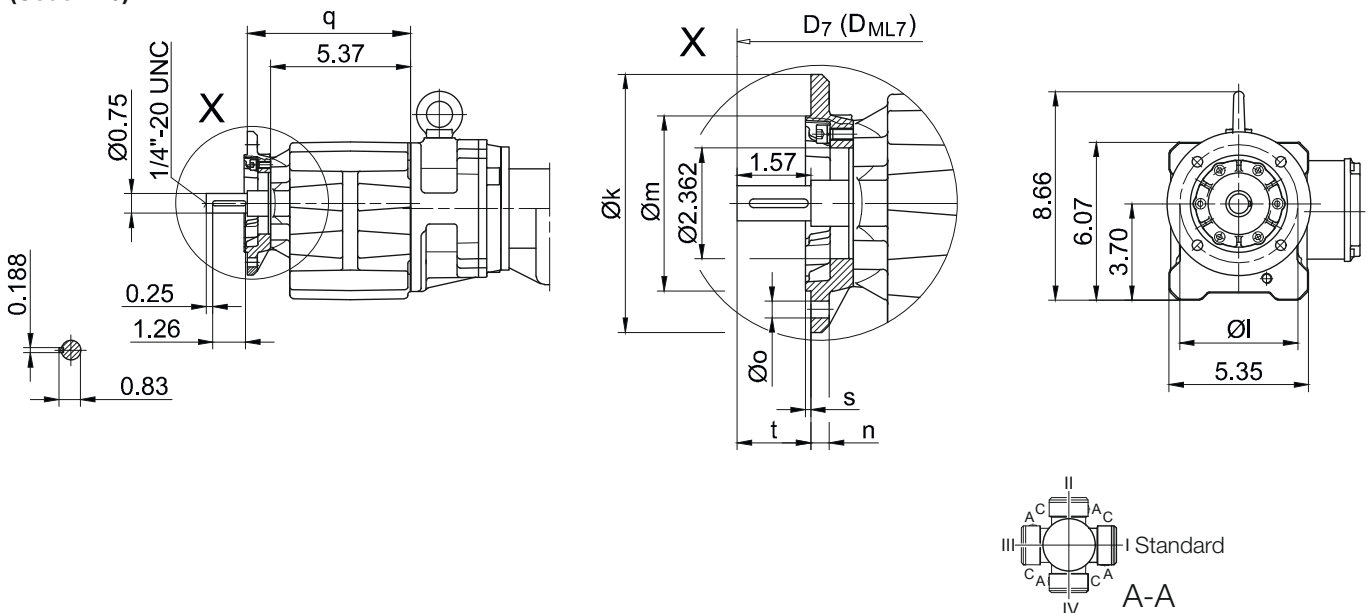
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG10..	Code -37V/	5.512	4.528	3.740	0.394	0.354	6.280	0.118	1.590	d+0.610	d _{ML} +0.610	
BG10..	Code -27V/	4.724	3.937	3.150	0.315	0.260	6.083	0.118	1.787	d+0.610	d _{ML} +0.610	

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-.../D04.A.	5.61	7.68	4.35	20.53	3.54	4.41	22.24	23.97	25.68	-
BG10G06-.../D..05.A.	6.72	7.76	4.84	21.71	3.98	4.61	23.37	25.75	27.22	-
BG10G06-.../D..06.A.	6.70	7.76	4.84	21.70	3.90	4.69	23.35	25.74	27.21	-
BG10G06-.../D..07.A.	7.49	7.76	4.84	22.49	3.90	4.69	24.14	26.52	28.00	-
BG10G06-.../D..08.A.	7.85	9.49	6.14	24.58	4.51	5.37	27.18	28.99	31.41	27.18
BG10G06-.../D..08.B.	9.04	9.49	6.14	25.76	4.51	5.37	28.36	30.17	32.57	28.36

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

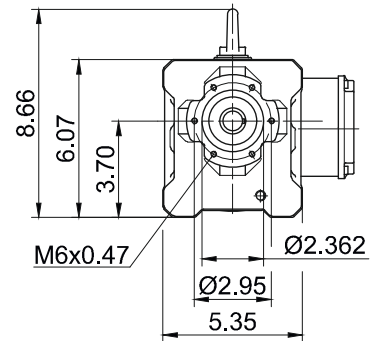
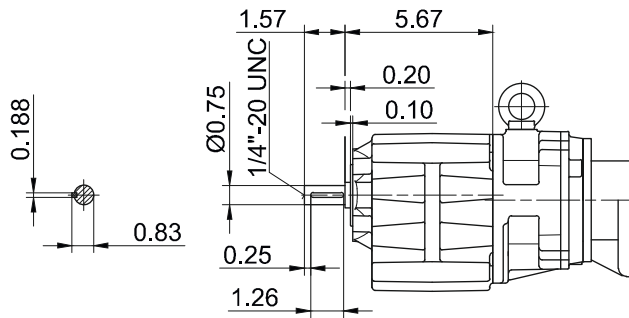
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG10G06

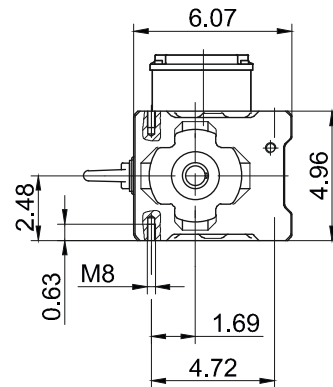
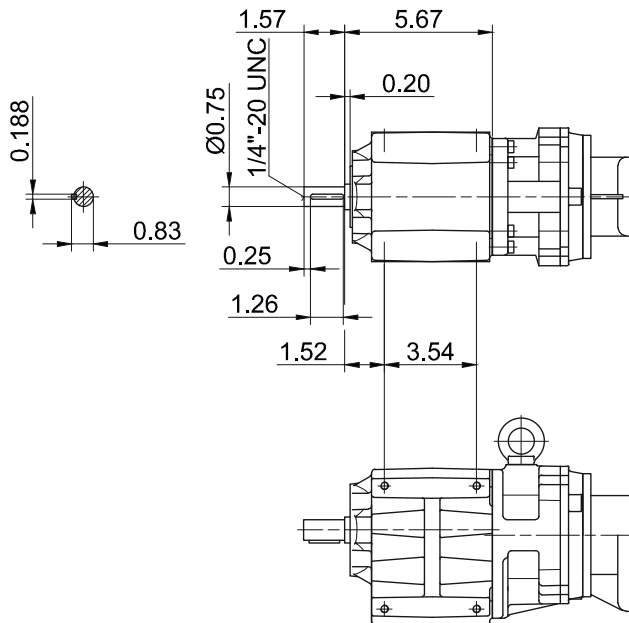
Flange with tapped holes

Code -71/



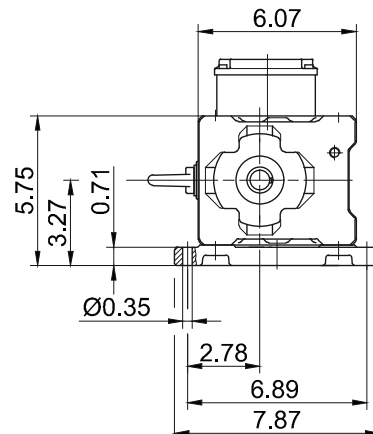
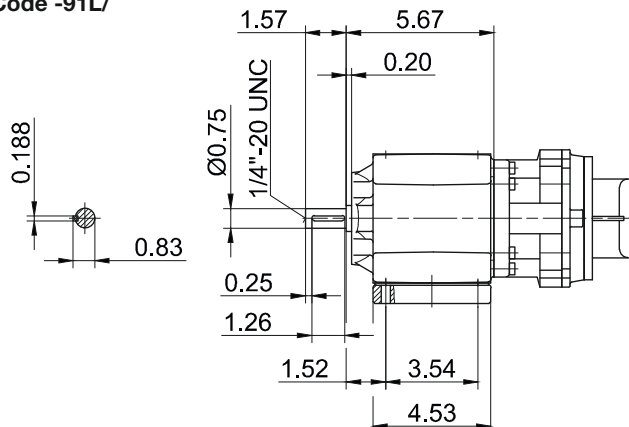
Foot with tapped holes left and right

Code -61LR/



Foot plate left

Code -91L/



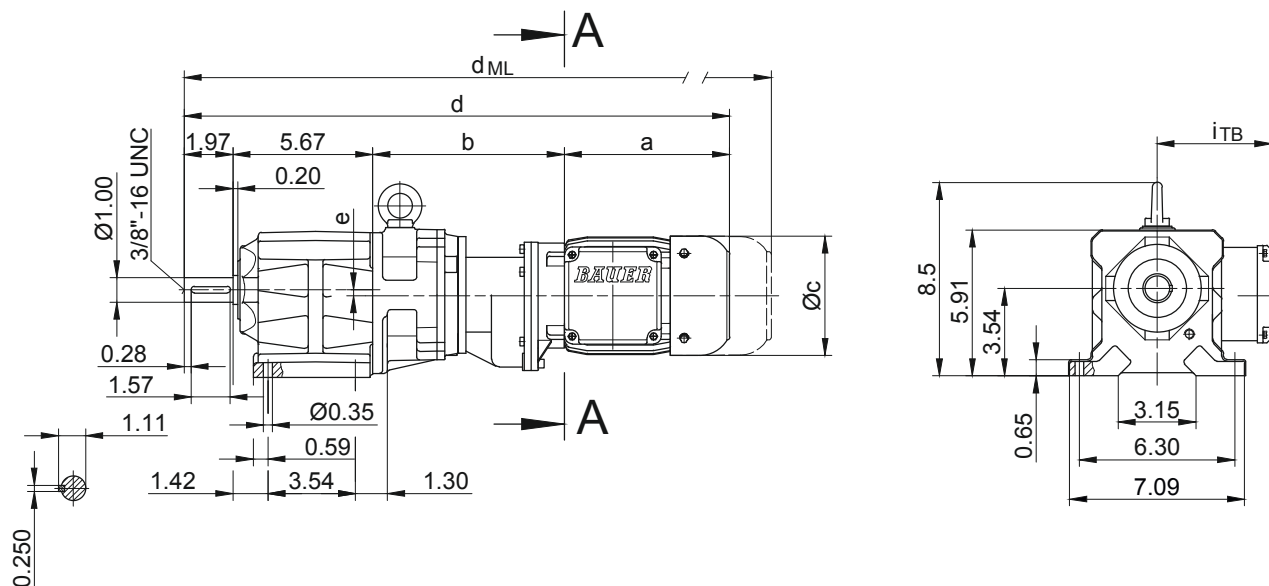
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension -Tandem Gearbox Imperial

BG10XG06

Foot mounting with clearance holes

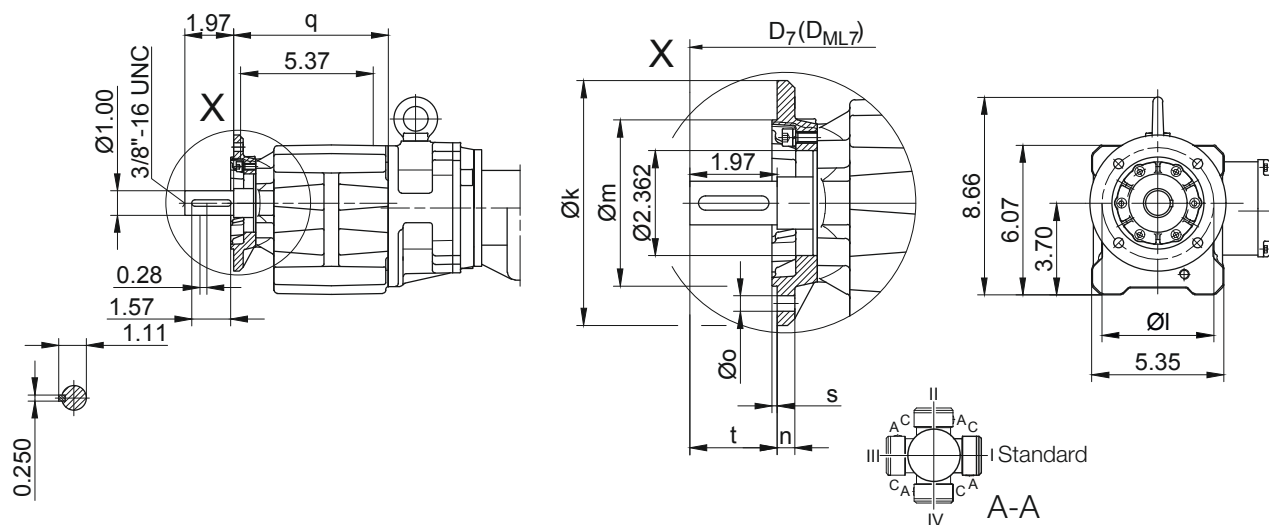
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



Flange Dimensions											Shaft extension tolerance:	
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG10X..	Code -37V/	5.512	4.528	3.740	0.394	0.354	6.280	0.118	1.990	d+0.610	d _{ML} +0.610	up to 1.5 in diameter: +0.000 / -0.0005 in
BG10X..	Code -27V/	4.724	3.937	3.150	0.315	0.260	6.083	0.118	2.187	d+0.610	d _{ML} +0.610	over 1.5 in diameter: +0.000 / -0.001 in
Dimensions in inch												Flange spigot diameter: +0.0003 / -0.0015 in

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-../D04.A.	5.61	7.68	4.35	20.93	3.54	4.41	22.24	24.37	26.08	-
BG10XG06-../D..05.A.	6.72	7.76	4.84	22.11	3.98	4.61	23.77	26.15	27.62	-
BG10XG06-../D..06.A.	6.70	7.76	4.84	22.10	3.90	4.69	23.75	26.14	27.61	-
BG10XG06-../D..07.A.	7.49	7.76	4.84	22.89	3.90	4.69	24.54	26.92	28.40	-
BG10XG06-../D..08.A.	7.85	9.49	6.14	24.98	4.51	5.37	27.58	29.39	31.81	27.58
BG10XG06-../D..08.B.	9.04	9.49	6.14	26.16	4.51	5.37	28.76	30.57	32.97	28.76

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

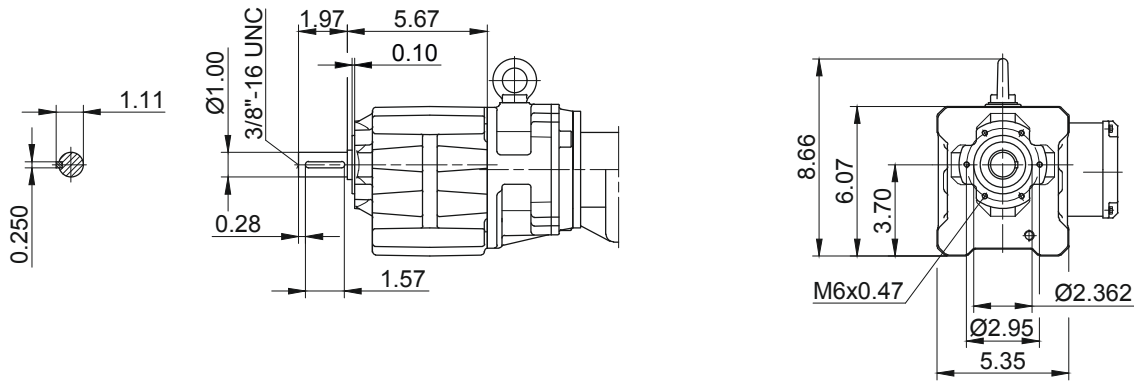
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG10XG06

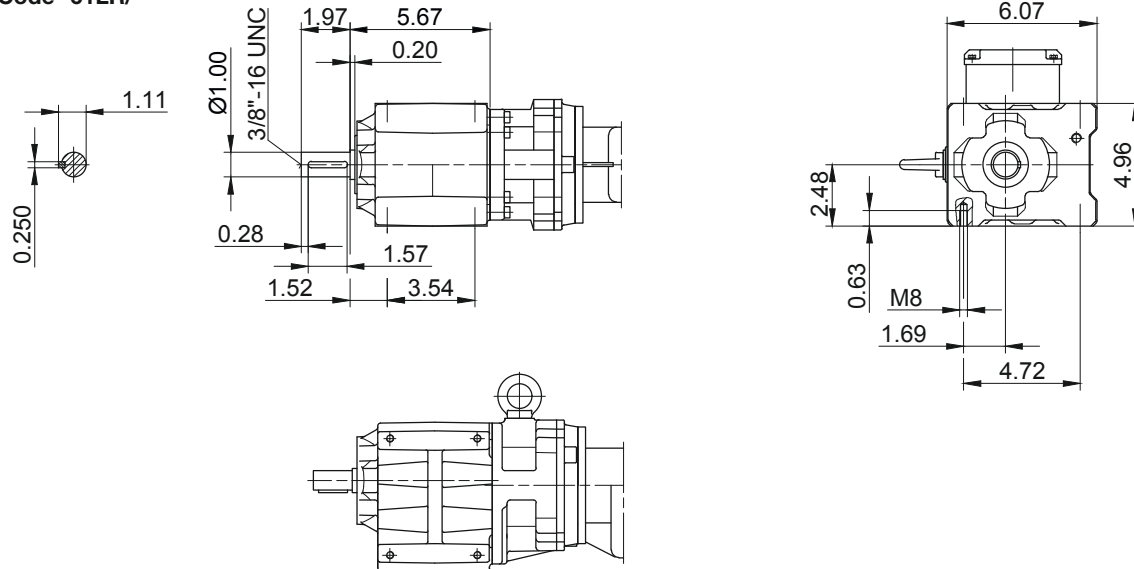
Flange with tapped holes

Code -71/



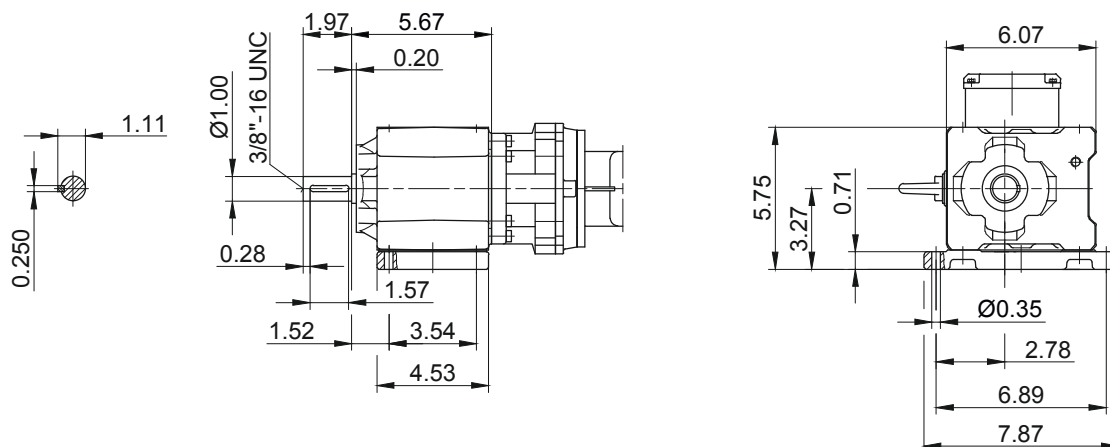
Foot with tapped holes left and right

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.

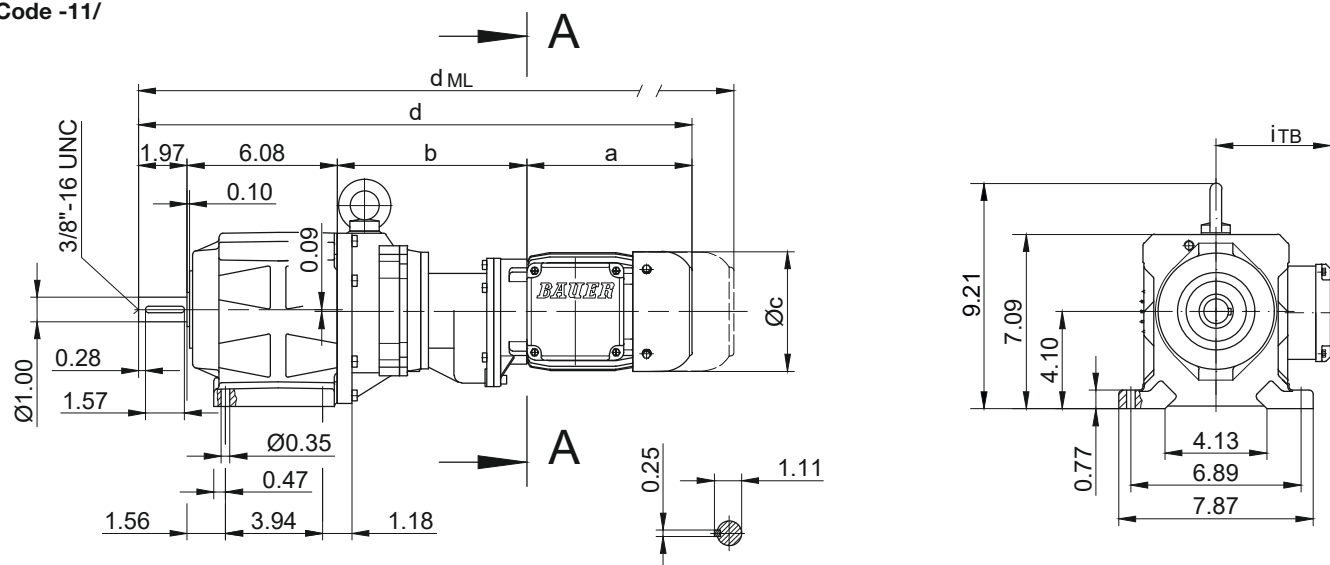
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG20G06

Foot mounting with clearance holes

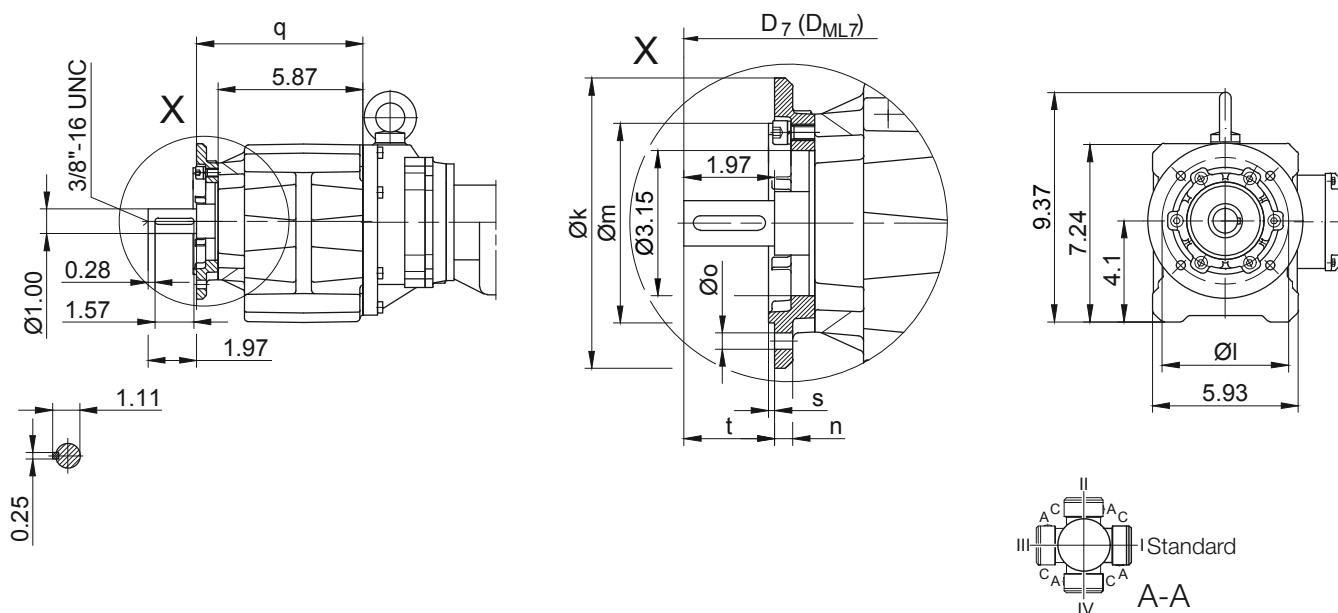
Code -11/



Flange with clearance holes

Code -37/

(Code -47/)



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG20..	Code -37V/	6.299	5.118	4.331	0.394	0.354	6.732	0.138	1.990	$d+0.650$	$d_{ML}+0.650$	
BG20..	Code -47V/	7.874	6.496	5.118	0.472	0.433	7.008	0.138	1.714	$d+0.650$	$d_{ML}+0.650$	

Dimensions in inch

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG20G06-.../D04.A.	5.61	7.60	4.35	21.26	3.54	4.41	22.97	24.70	26.41	-
BG20G06-.../D..05.A.	6.72	7.68	4.84	22.45	3.98	4.61	24.10	26.48	27.96	-
BG20G06-.../D..06.A.	6.70	7.68	4.84	22.43	3.90	4.69	24.09	26.47	27.95	-
BG20G06-.../D..07.A.	7.49	7.68	4.84	23.22	3.90	4.69	24.88	27.26	28.73	-
BG20G06-.../D..08.A.	7.85	9.41	6.14	25.32	4.51	5.37	27.91	29.73	32.15	27.91
BG20G06-.../D..08.B.	9.04	9.41	6.14	26.50	4.51	5.37	29.10	30.91	33.31	29.10

Dimensions in inch

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

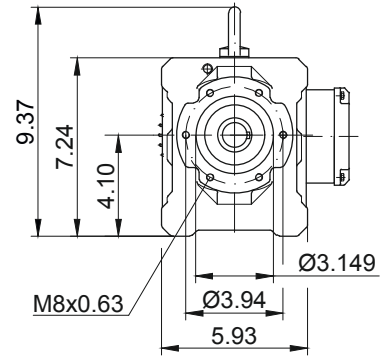
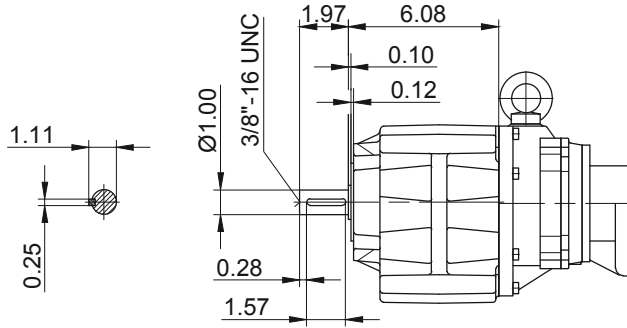
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG20G06

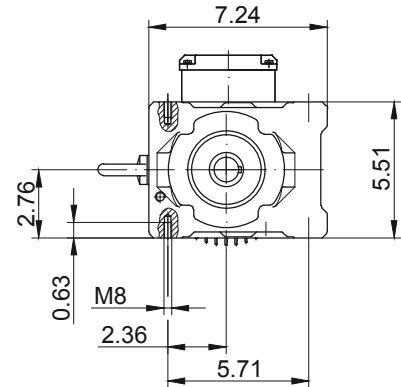
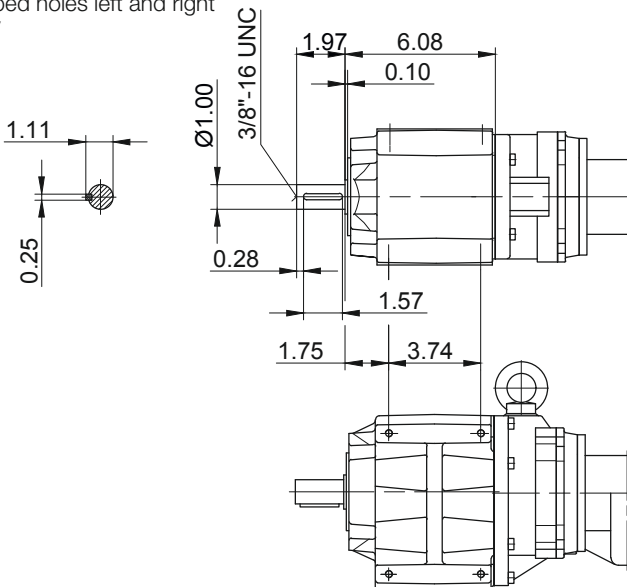
Flange with tapped holes

Code -71/



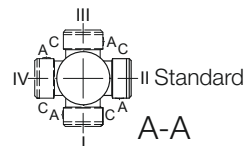
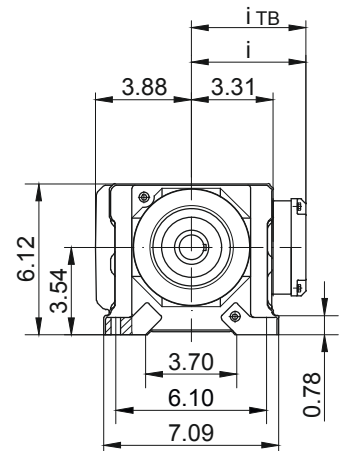
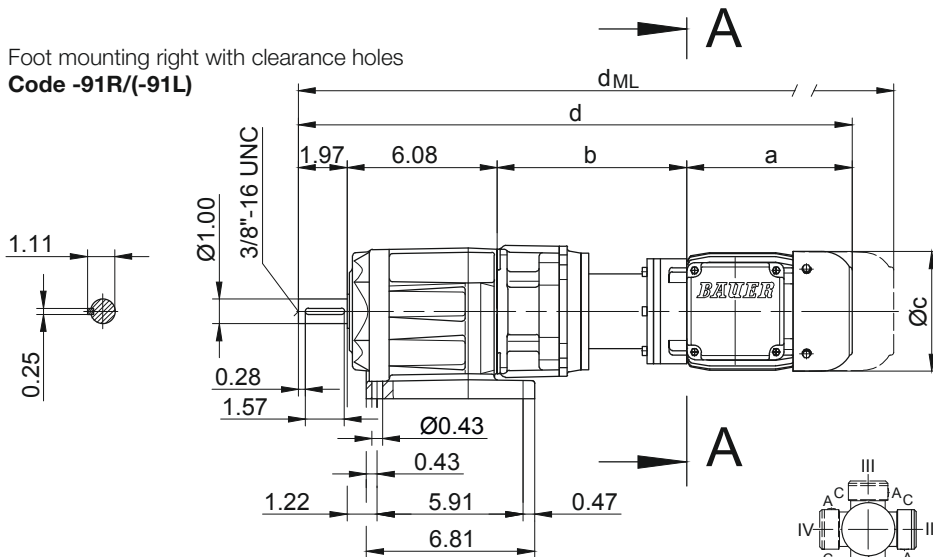
Foot with tapped holes left and right

Code -61LR/



Foot mounting right with clearance holes

Code -91R/(-91L)



only for BG20-01R!

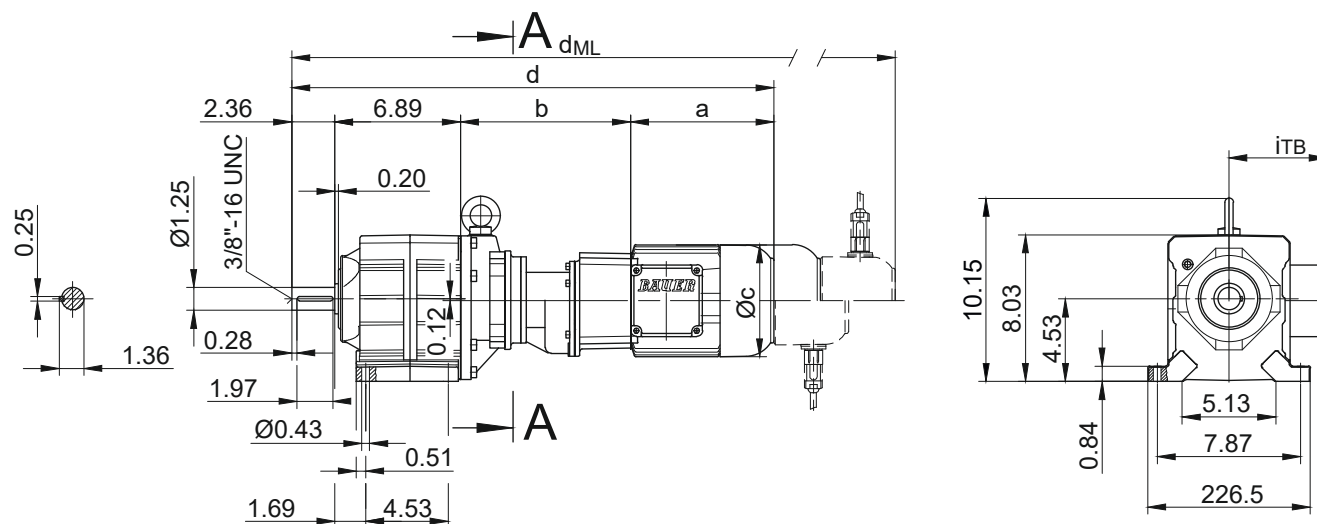
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension -Tandem Gearbox Imperial

BG30G06

Foot mounting with clearance holes

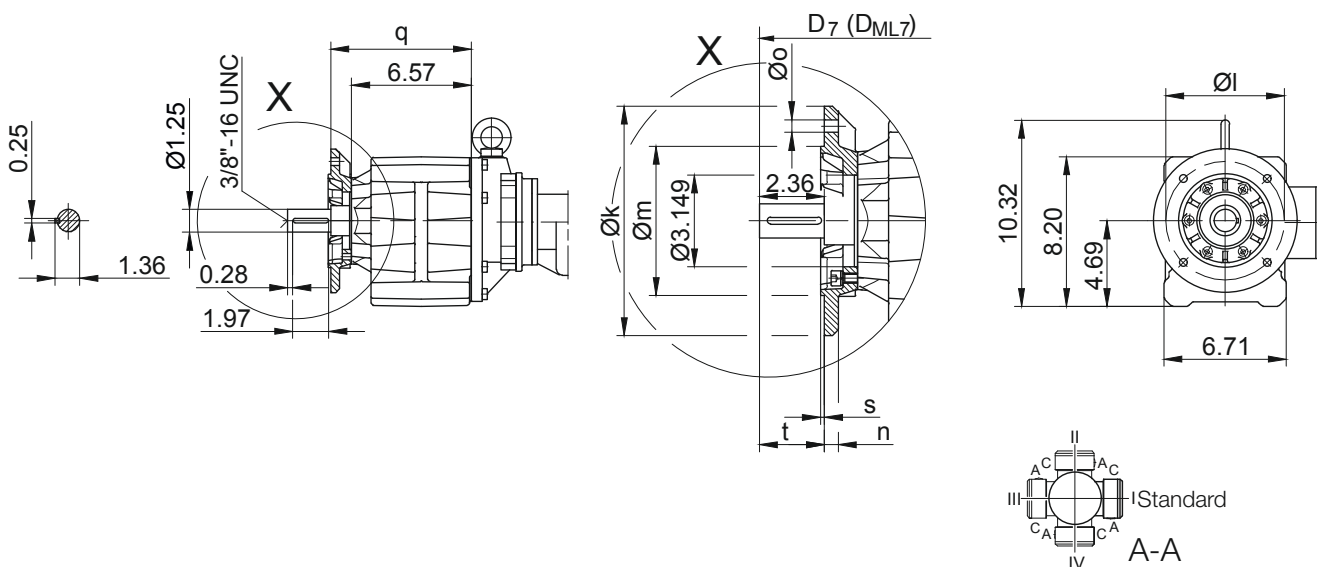
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG30..	Code -37/	7.874	6.496	5.118	0.472	0.433	7.717	0.138	2.380	d+0.827	d _{ML} +0.827	
BG30..	Code -27/	6.299	5.118	4.331	0.394	0.354	7.441	0.138	2.655	d+0.827	d _{ML} +0.827	
Dimensions in inch												

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-../D04.A.	5.61	7.52	4.35	22.38	3.54	4.41	24.09	25.82	27.53	-
BG30G06-../D..05.A.	6.72	7.60	4.84	23.56	3.98	4.61	25.22	27.60	29.08	-
BG30G06-../D..06.A.	6.70	7.60	4.84	23.55	3.90	4.69	25.21	27.59	29.06	-
BG30G06-../D..07.A.	7.49	7.60	4.84	24.34	3.90	4.69	25.99	28.38	29.85	-
BG30G06-../D..08.A.	7.85	9.33	6.14	26.43	4.51	5.37	29.03	30.84	33.27	29.03
BG30G06-../D..08.B.	9.04	9.33	6.14	27.62	4.51	5.37	30.21	32.03	34.43	30.21

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

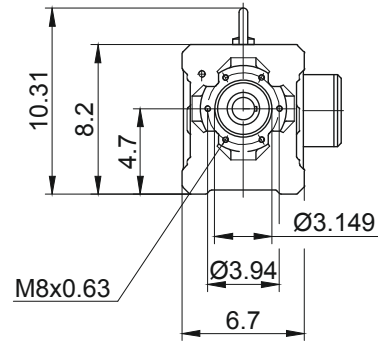
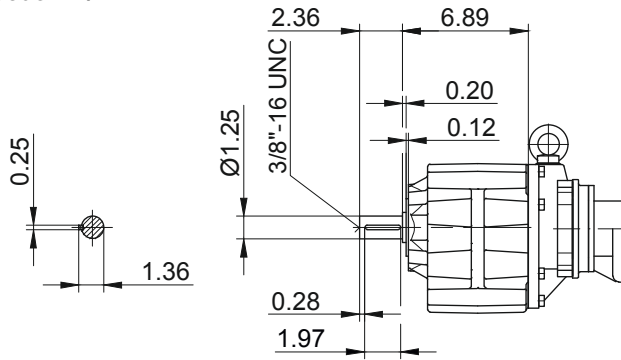
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG30G06

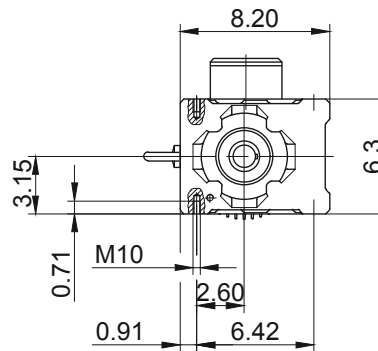
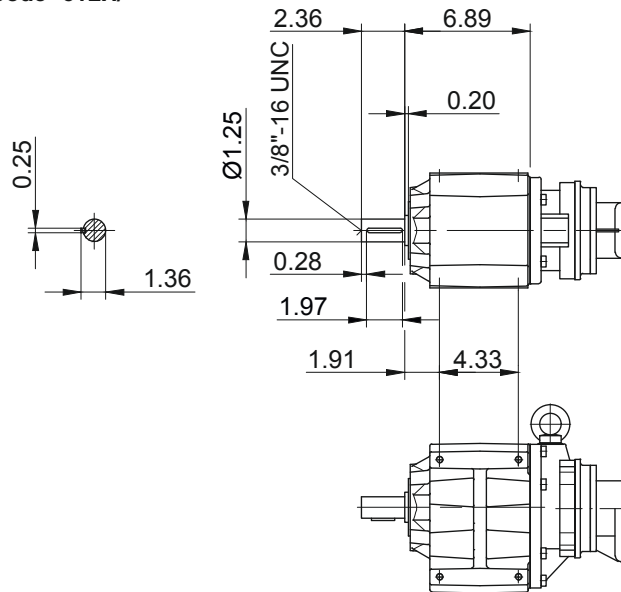
Flange with tapped holes

Code -71/



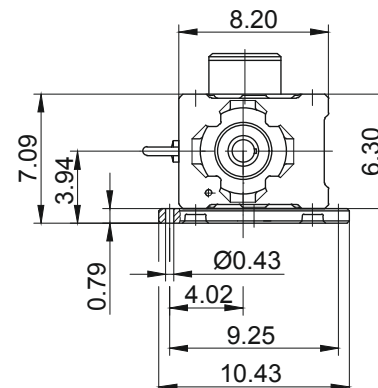
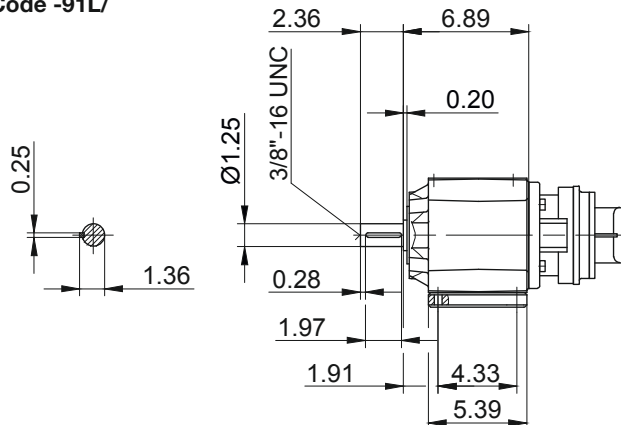
Foot with tapped holes left and right

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.

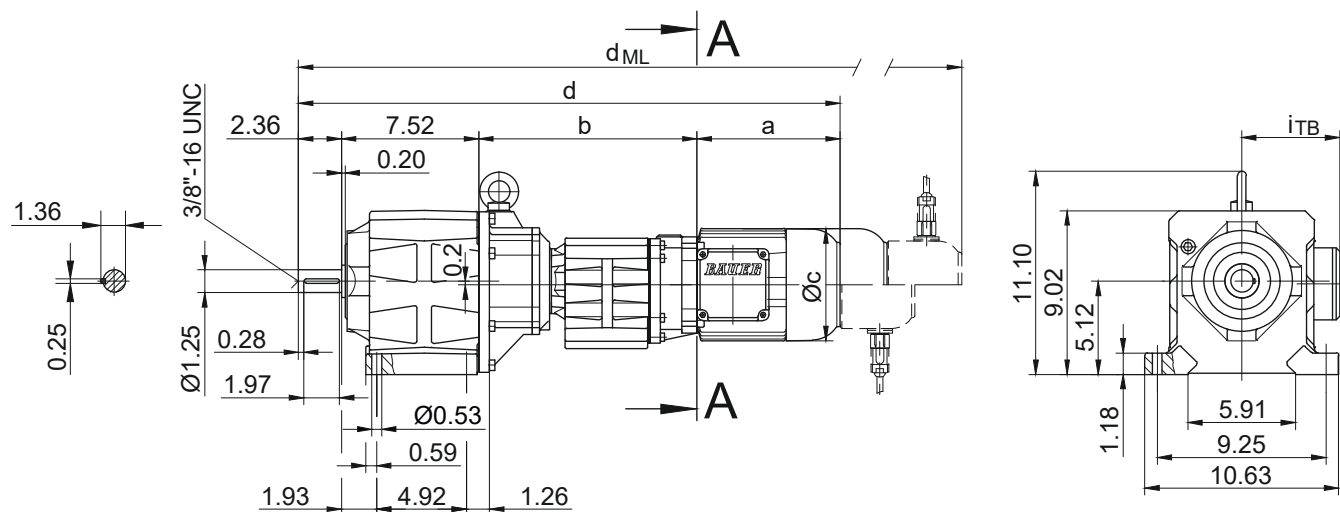
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG40G10

Foot mounting with clearance holes

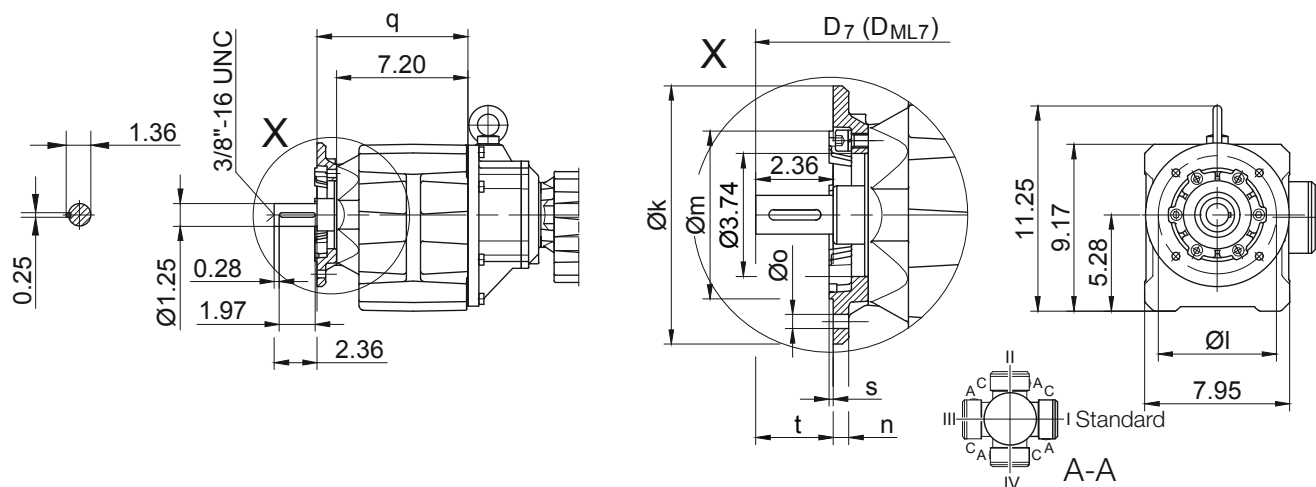
Code -11/



Flange with clearance holes

Code -37/

(Code -47/)



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	
BG40..	Code -37/	7.874	6.496	5.118	0.472	0.433	8.268	0.138	2.399	d+0.748	
BG40..	Code -47/	9.843	8.465	7.087	0.630	0.531	8.622	0.157	2.045	d+0.748	d _{ML} +0.748

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BG40G10-.../D..05.A.	6.72	11.81	4.84	28.41	3.98	4.61	30.06	32.44	33.92	-
BG40G10-.../D..06.A.	6.70	11.81	4.84	28.40	3.90	4.69	30.05	32.43	33.91	-
BG40G10-.../D..07.A.	7.49	11.81	4.84	29.18	3.90	4.69	30.84	33.22	34.69	-
BG40G10-.../D..08.A.	7.85	11.97	6.14	29.70	4.51	5.37	32.30	34.11	36.53	32.30
BG40G10-.../D..08.B.	9.04	11.97	6.14	30.88	4.51	5.37	33.48	35.29	37.69	33.48
BG40G10-.../D..09.A.	9.86	12.54	6.93	32.28	4.88	6.18	35.94	36.52	40.04	35.94
BG40G10-.../D..09.B.	12.15	12.54	6.93	34.56	4.88	6.18	38.23	38.78	42.32	38.23

Dimensions in inch

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

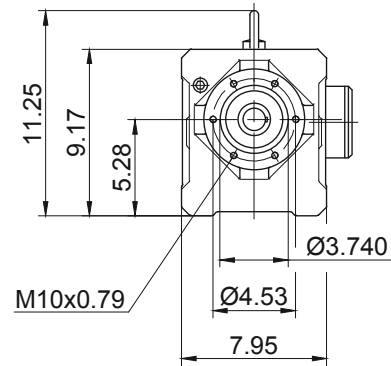
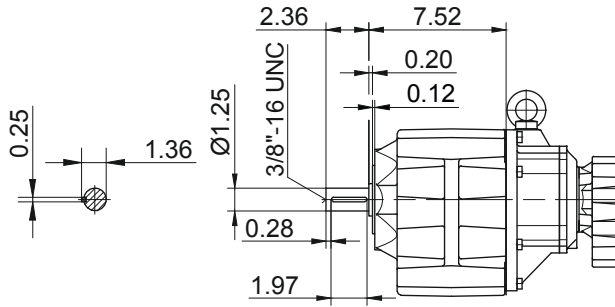
BG-series helical-gearred motors

Dimension -Tandem Gearbox Imperial

BG40G10

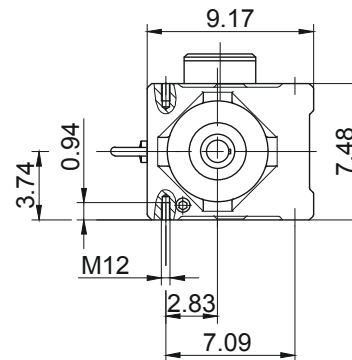
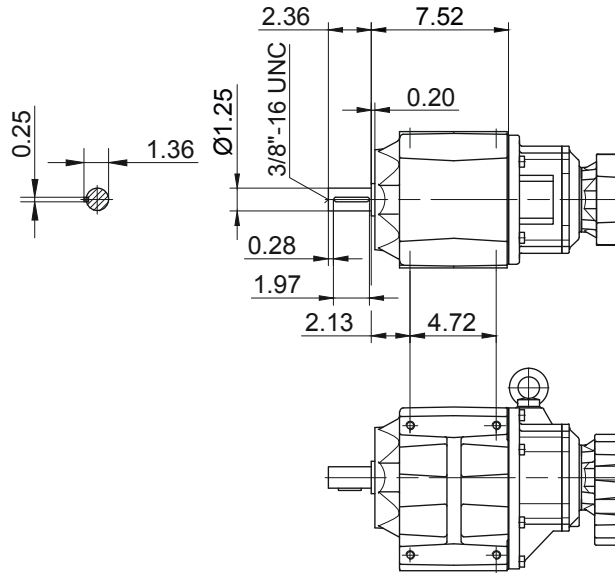
Flange with tapped holes

Code -71/



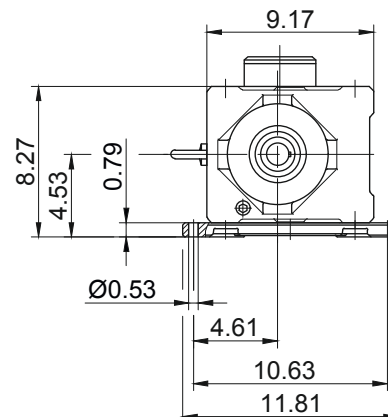
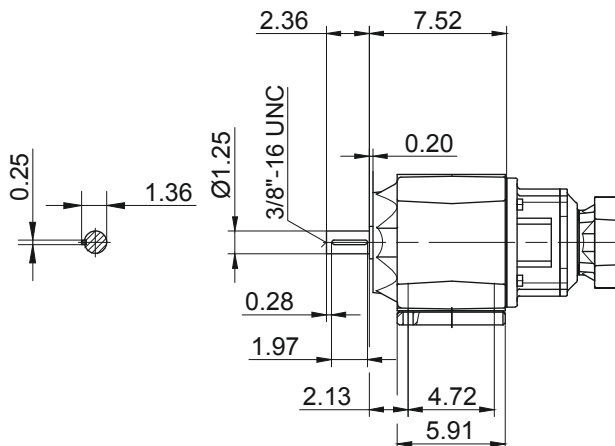
Foot with tapped holes left and right

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.

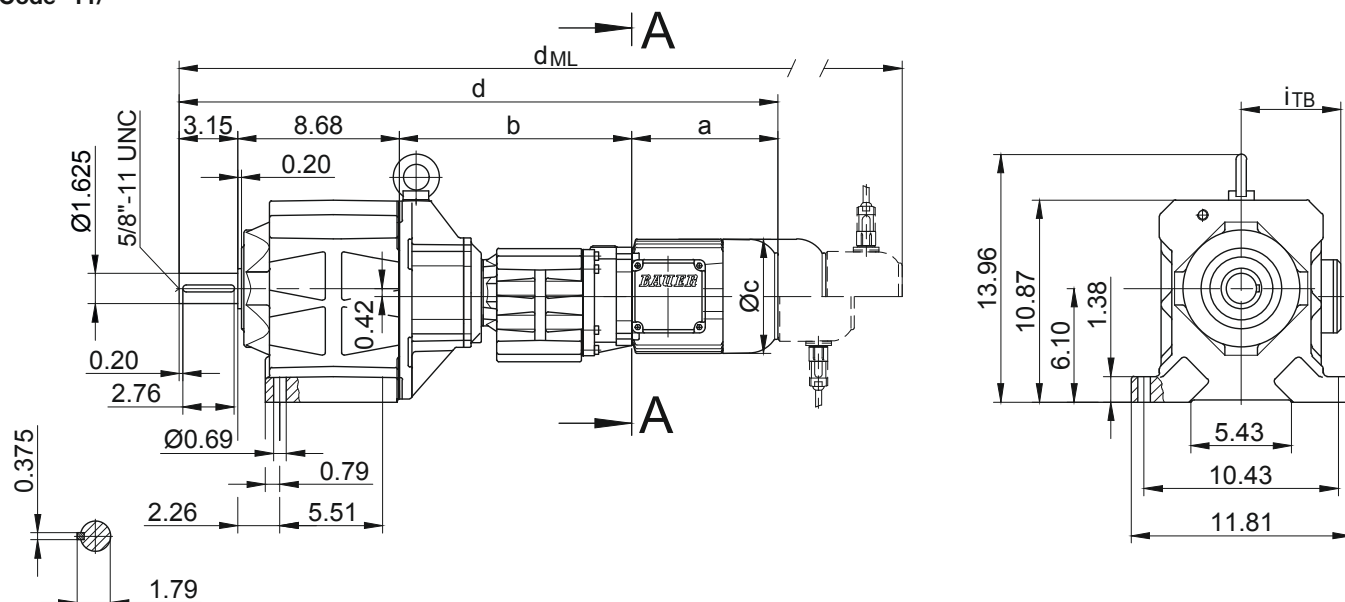
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG50G10

Foot mounting with clearance holes

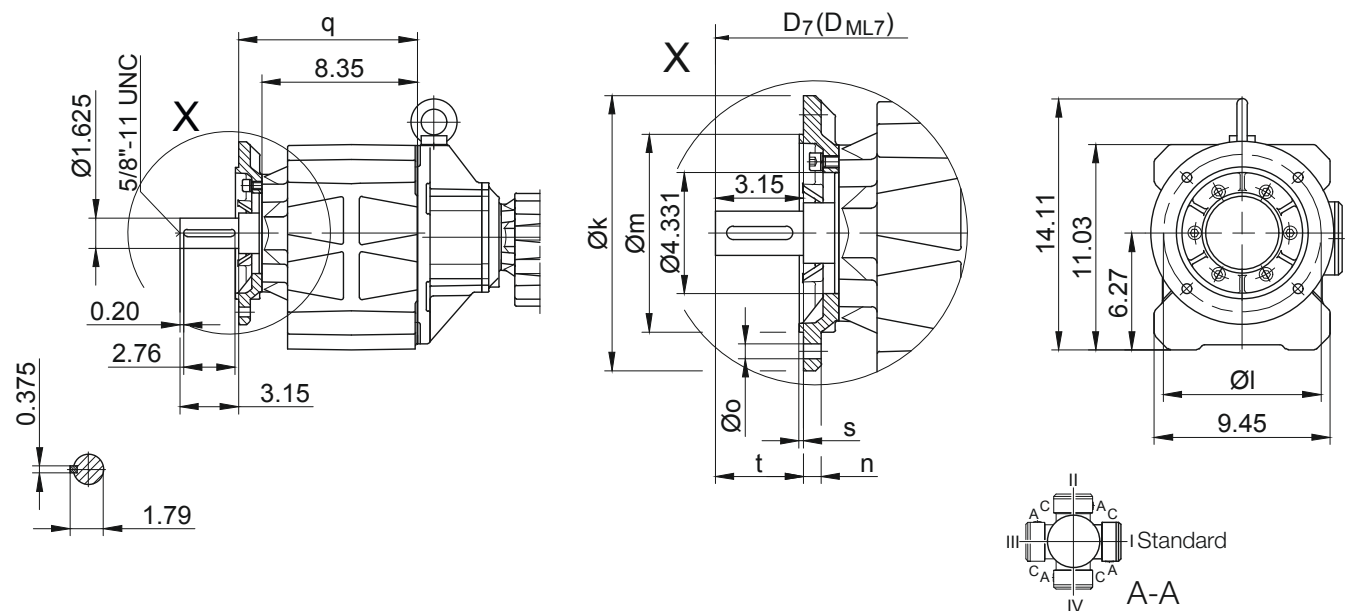
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



Flange Dimensions

Type	Design	k	l	m	n	o	q	s	t	D	D
BG50..	Code -37/	9.843	8.465	7.087	0.630	0.531	9.606	0.157	3.170	$d+0.925$	$d_{ML}+0.925$
BG50..	Code -27/	7.874	6.496	5.118	0.472	0.433	9.488	0.138	3.288	$d+0.925$	$d_{ML}+0.925$

Dimensions in inch

Shaft extension tolerance:

up to 1.5 in diameter: $+0.000 / -0.0005$ in

over 1.5 in diameter: $+0.000 / -0.001$ in

Flange spigot diameter: $+0.0003 / -0.0015$ in

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
BG50G10-.../D..05.A.	6.72	12.32	4.84	30.87	3.98	4.61	32.52	34.91	36.38	-
BG50G10-.../D..06.A.	6.70	12.32	4.84	30.86	3.90	4.69	32.51	34.89	36.37	-
BG50G10-.../D..07.A.	7.49	12.32	4.84	31.65	3.90	4.69	33.30	35.68	37.16	-
BG50G10-.../D..08.A.	7.85	12.48	6.14	32.17	4.51	5.37	34.76	36.58	39.00	34.76
BG50G10-.../D..08.B.	9.04	12.48	6.14	33.35	4.51	5.37	35.95	37.76	40.16	35.95
BG50G10-.../D..09.A.	9.86	13.05	6.93	34.74	4.88	6.18	38.41	38.98	42.50	38.41
BG50G10-.../D..09.B.	12.15	13.05	6.93	37.03	4.88	6.18	40.69	41.24	44.79	40.69

Dimensions in inch

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

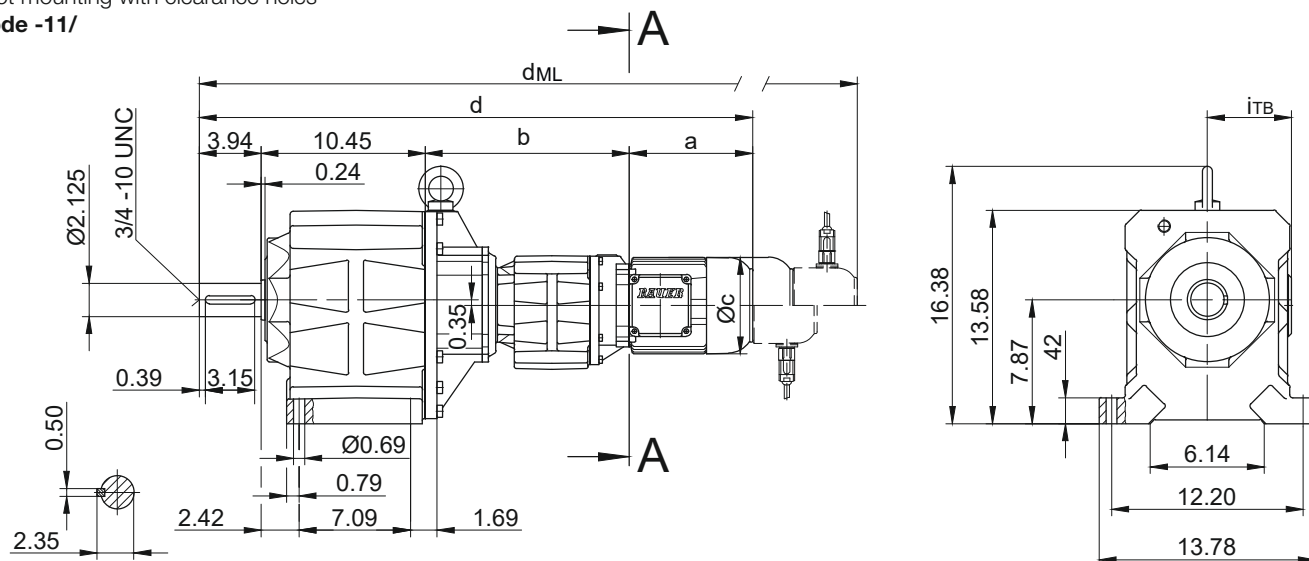
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG60G20

Foot mounting with clearance holes

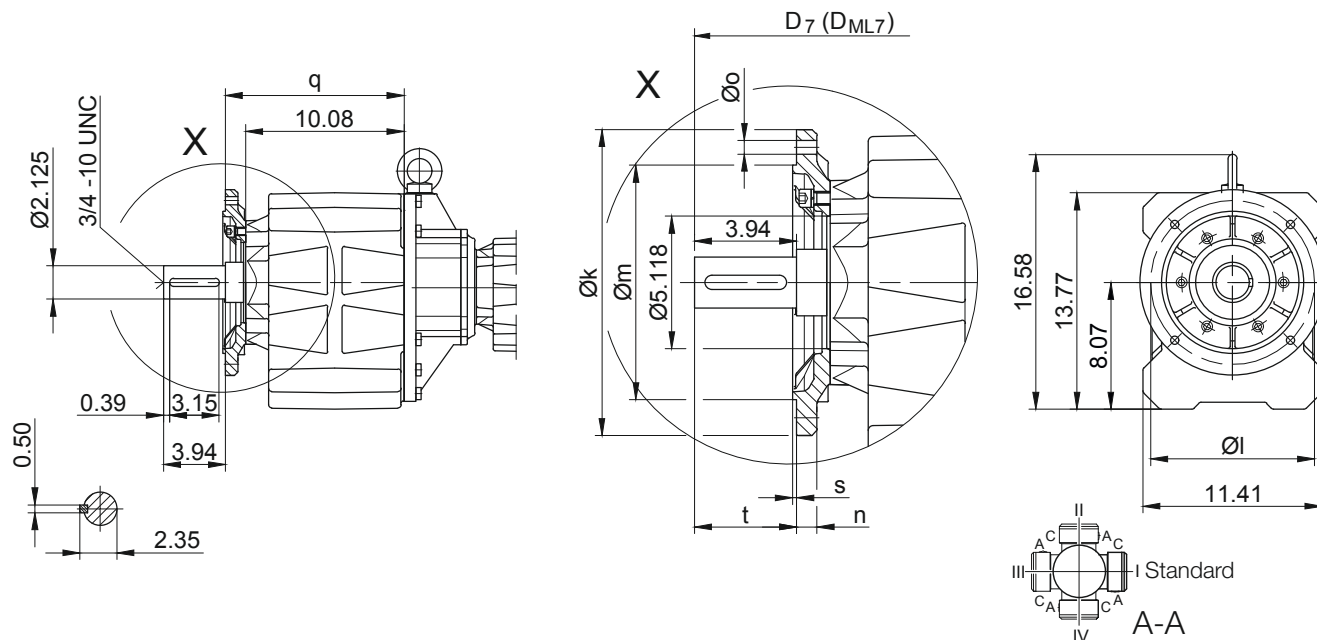
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	
BG60..	Code -37/	11.811	10.433	9.055	0.787	0.531	11.378	0.157	3.960	d+0.925	
BG60..	Code -27/	9.843	8.465	7.087	0.630	0.531	11.260	0.157	4.078	d+0.925	d _{ML} +0.925

Type	a	b	c	d	i	Design with motor extensions				
						iT _B	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BG60G20-../D..05.A.	6.72	12.83	4.84	33.94	3.98	4.61	35.60	37.98	39.46	-
BG60G20-../D..06.A.	6.70	12.83	4.84	33.93	3.90	4.69	35.59	37.97	39.44	-
BG60G20-../D..07.A.	7.49	12.83	4.84	34.72	3.90	4.69	36.37	38.75	40.23	-
BG60G20-../D..08.A.	7.85	12.99	6.14	35.24	4.51	5.37	37.84	39.65	42.07	37.84
BG60G20-../D..08.B.	9.04	12.99	6.14	36.42	4.51	5.37	39.02	40.83	43.23	39.02
BG60G20-../D..09.A.	9.86	13.56	6.93	37.82	4.88	6.18	41.48	42.05	45.58	41.48
BG60G20-../D..09.B.	12.15	13.56	6.93	40.10	4.88	6.18	43.76	44.32	47.86	43.76

Dimensions in inch

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

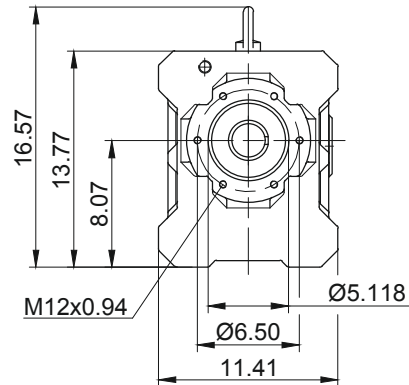
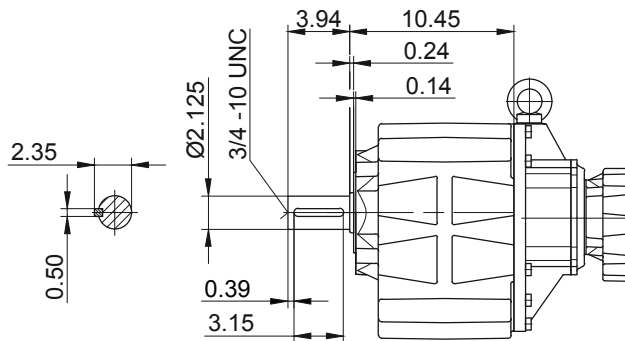
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG60G20

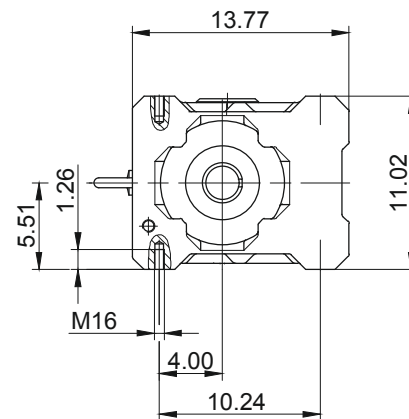
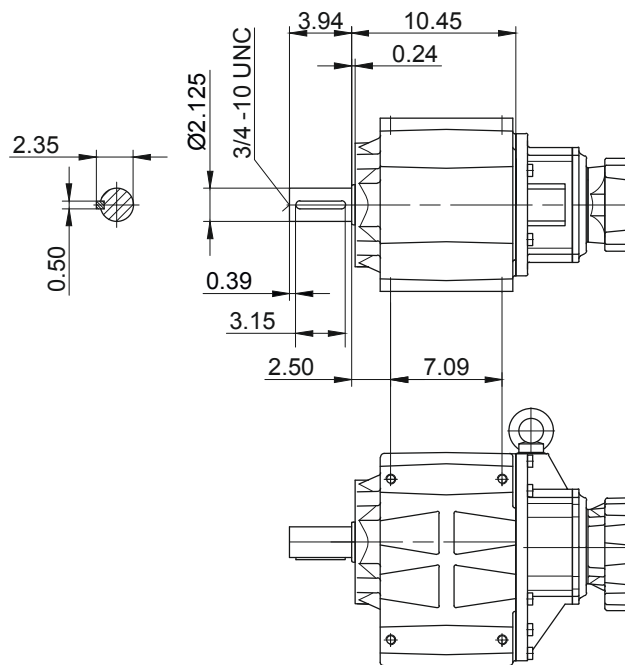
Flange with tapped holes

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.

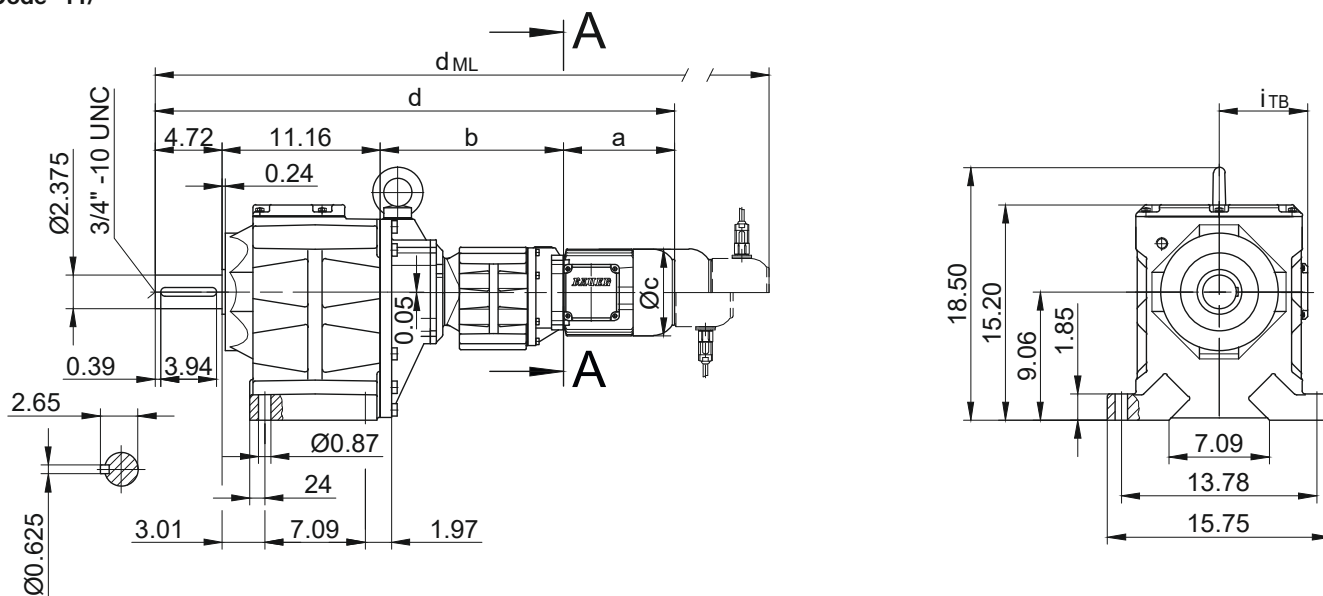
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG70G20

Foot mounting with clearance holes

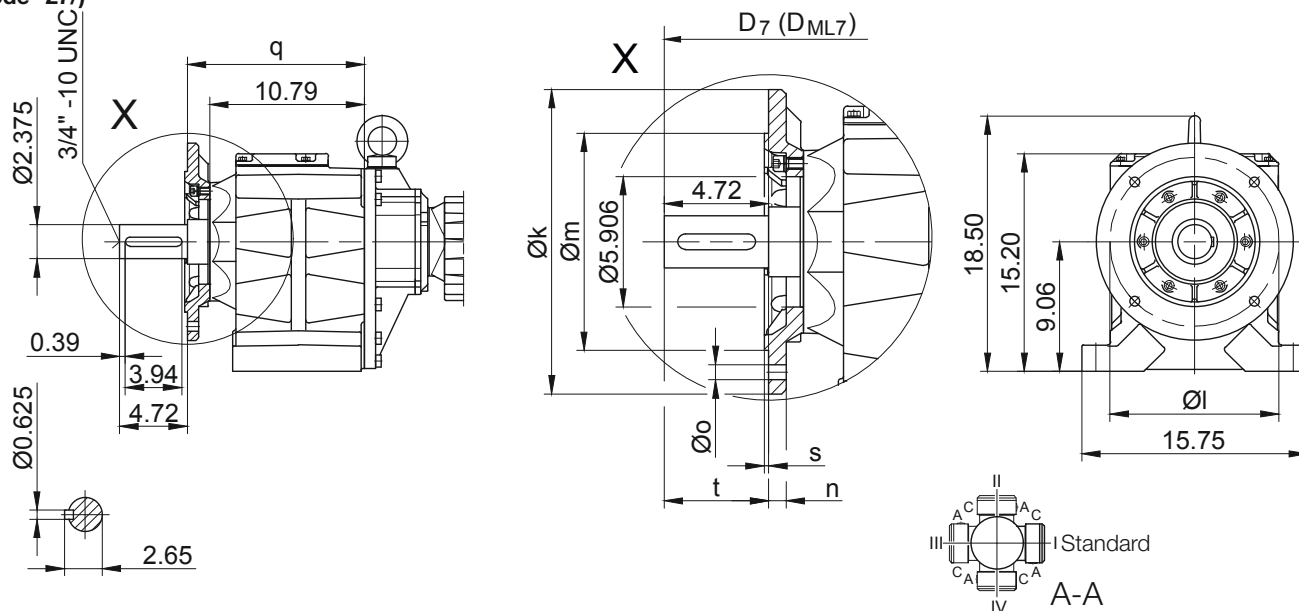
Code -11/



Flange with clearance holes

Code -37/

(Code -27/)



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	
BG70..	Code -37/	13.780	11.811	9.843	0.787	0.689	12.362	0.197	4.740	$d+1.201$	
BG70..	Code -27/	11.811	10.433	9.055	0.787	0.531	12.677	0.157	4.464	$d_{ML}+1.201$	

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-.../D..05.A.	6.72	12.76	4.84	35.35	3.98	4.61	37.01	39.39	40.87	-
BG70G20-.../D..06.A.	6.70	12.76	4.84	35.34	3.90	4.69	37.00	39.38	40.85	-
BG70G20-.../D..07.A.	7.49	12.76	4.84	36.13	3.90	4.69	37.78	40.16	41.64	-
BG70G20-.../D..08.A.	7.85	12.91	6.14	36.65	4.51	5.37	39.25	41.06	43.48	39.25
BG70G20-.../D..08.B.	9.04	12.91	6.14	37.83	4.51	5.37	40.43	42.24	44.64	40.43
BG70G20-.../D..09.A.	9.86	13.48	6.93	39.23	4.88	6.18	42.89	43.46	46.99	42.89
BG70G20-.../D..09.B.	12.15	13.48	6.93	41.51	4.88	6.18	45.17	45.73	49.27	45.17

Dimensions in inch

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

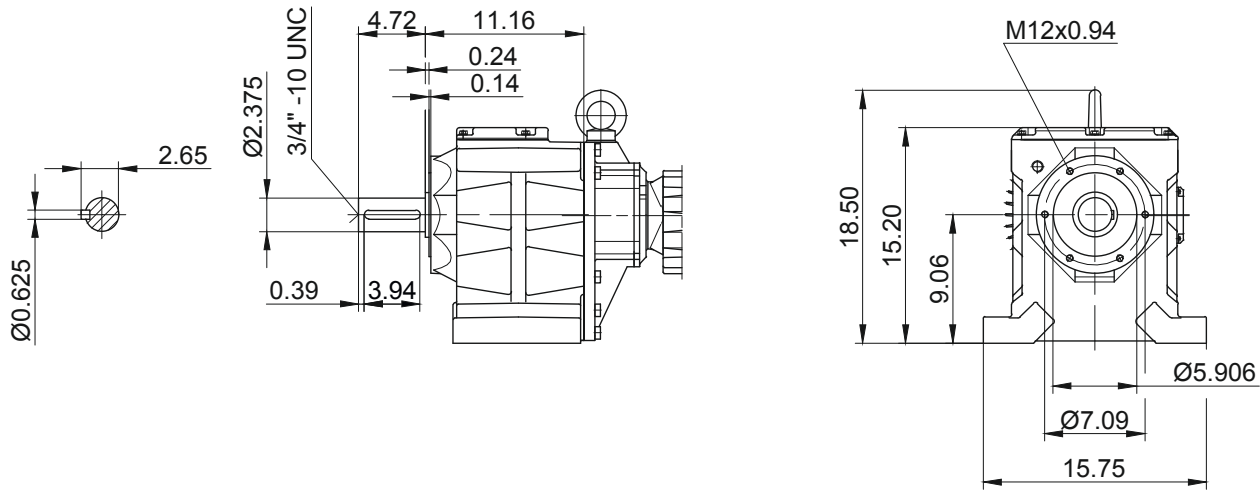
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG70G20

Flange with tapped holes

Code -71/



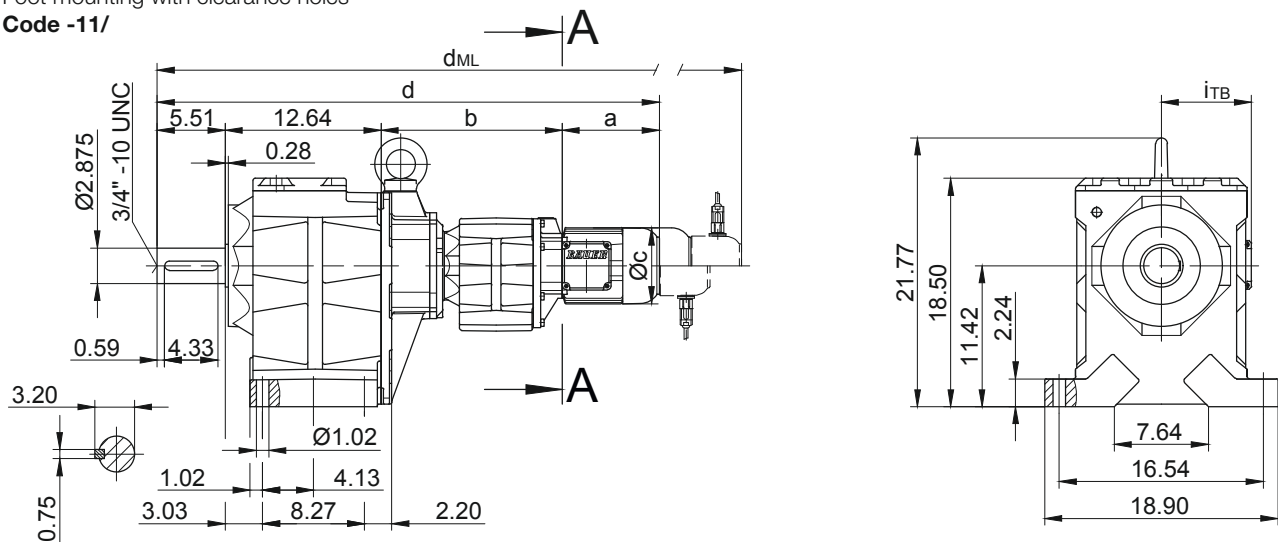
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG80G40

Foot mounting with clearance holes

Code -11/

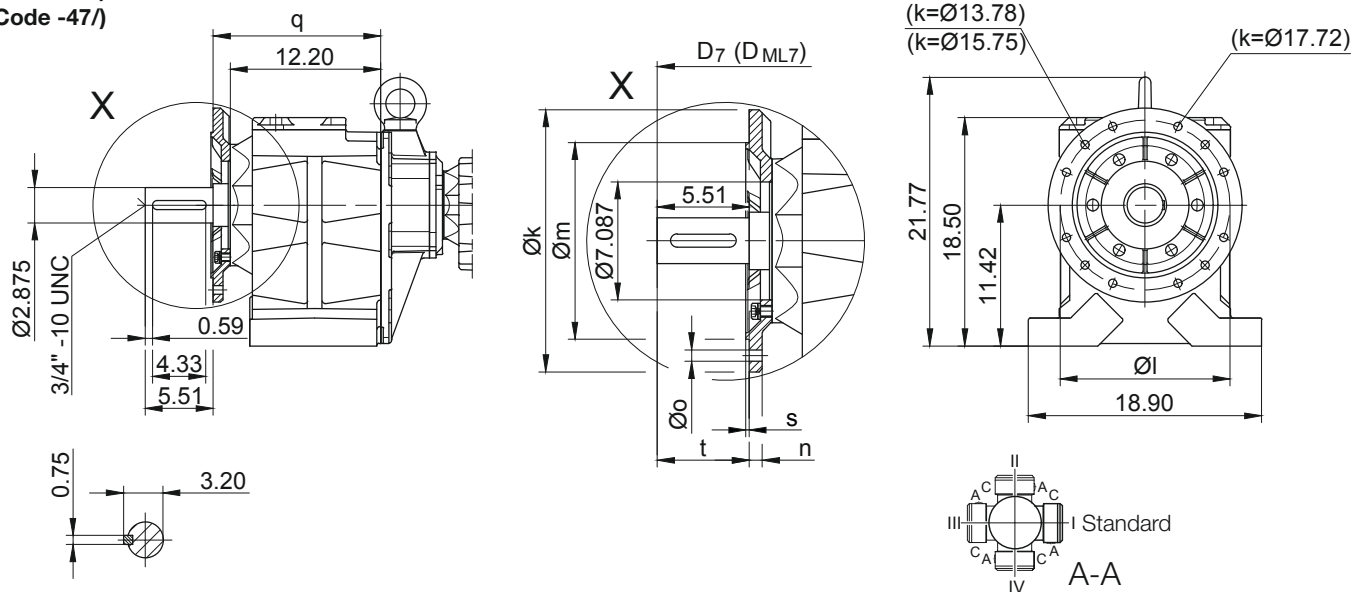


Flange with clearance holes

Code -37/

(Code -27/)

(Code -47/)



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	
BG80..	Code -37/	15.748	13.780	11.811	0.787	4 x 0.689	13.583	0.197	5.549	d+0.945	
BG80..	Code -27/	13.780	11.811	9.843	0.787	4 x 0.689	13.583	0.197	5.549	d _{ML} +0.945	
BG80..	Code -47/	17.717	15.748	13.780	0.866	8 x 0.689	13.976	0.197	5.156	d+0.945	d _{ML} +0.945
Dimensions in inch											

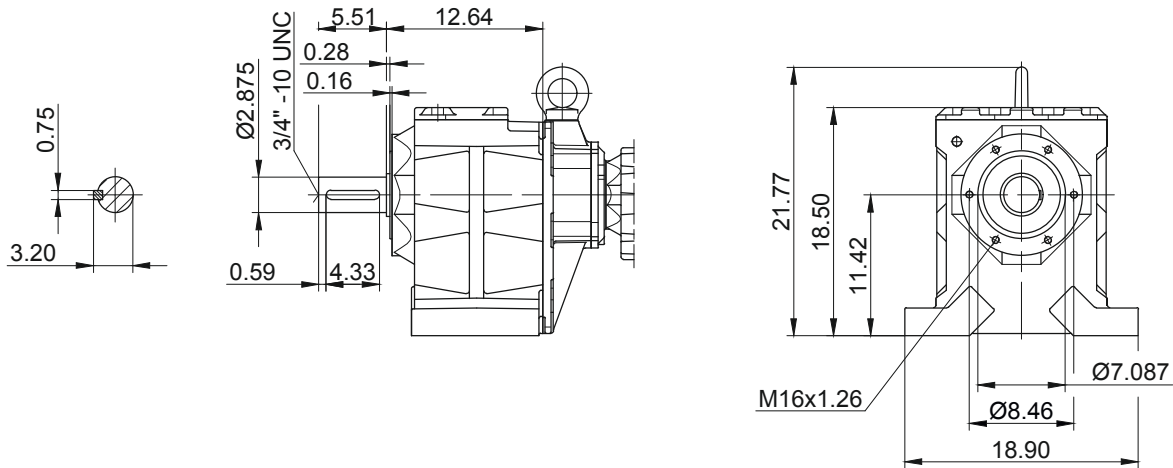
Type	a	b	c	d	i	Design with motor extensions			
						i _{TB}	Brake	Encoder	Brake with Encoder
							d _{ML}	d _{ML}	d _{ML}
BG80G40-.../D..08.A.	7.85	14.69	6.14	40.69	4.51	5.37	43.29	45.10	47.52
BG80G40-.../D..08.B.	9.04	14.69	6.14	41.87	4.51	5.37	44.47	46.28	48.68
BG80G40-.../D..09.A.	9.86	15.26	6.93	43.27	4.88	6.18	46.93	47.50	51.03
BG80G40-.../D..09.B.	12.15	15.26	6.93	45.55	4.88	6.18	49.21	49.77	53.31
BG80G40-.../D..11.A.	12.56	15.51	8.58	46.22	6.50	6.93	50.08	50.45	54.10
BG80G40-.../D..11.B.	15.24	15.51	8.58	48.90	6.50	6.93	52.68	53.13	56.77
Dimensions in inch									

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/



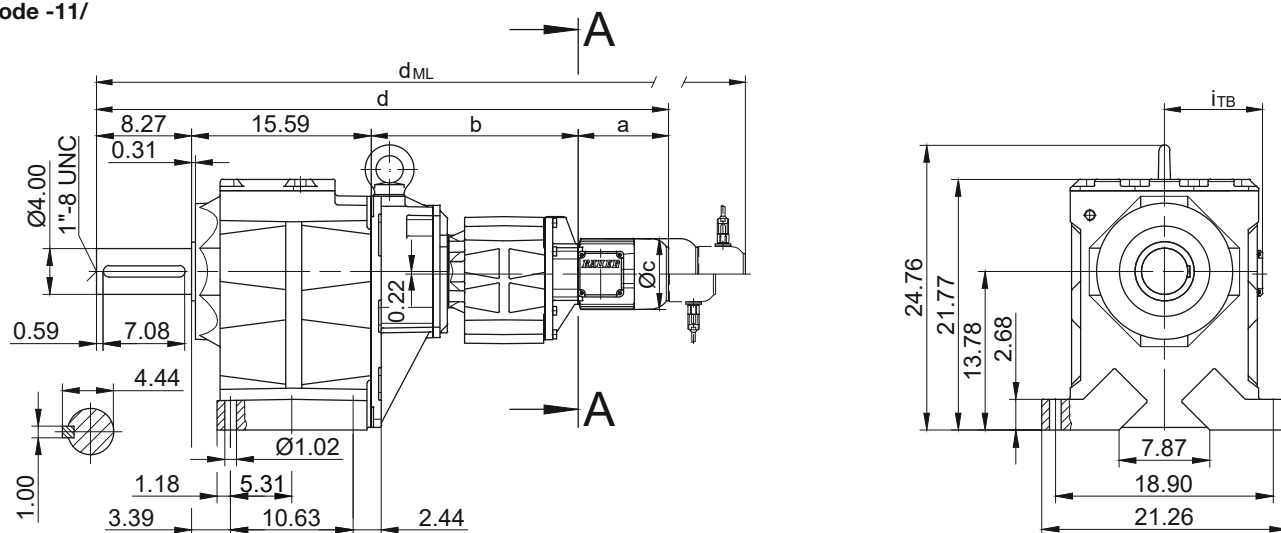
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG90G50

Foot mounting with clearance holes

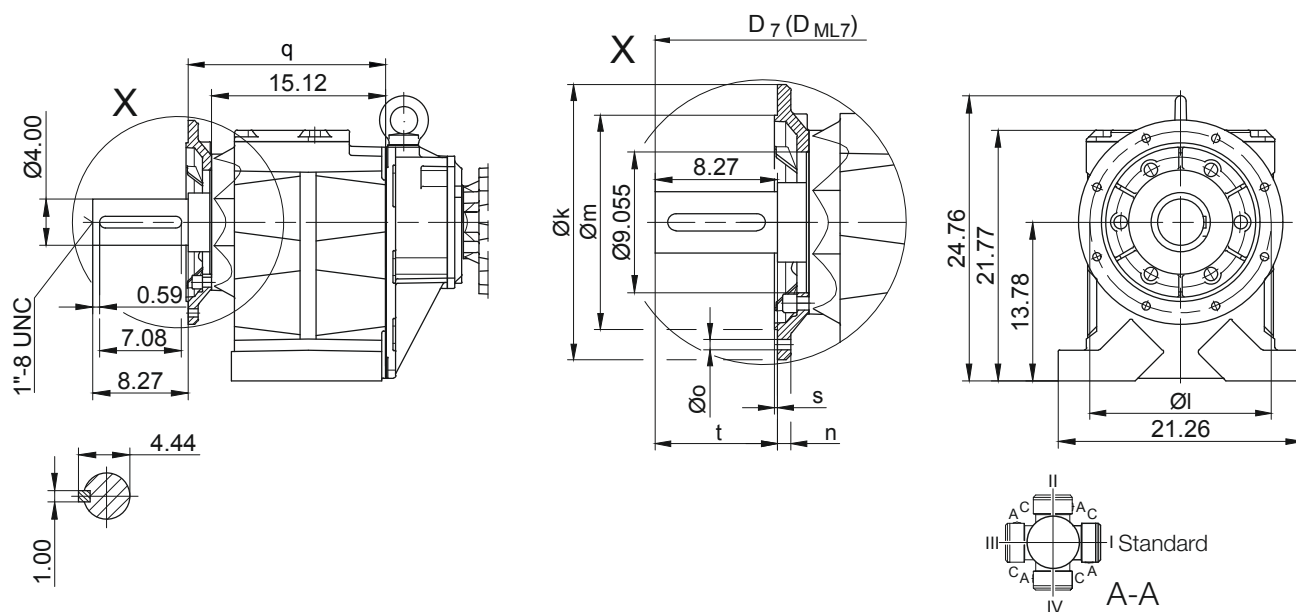
Code -11/



Flange with clearance holes

Code -37/

(Code -47/)



Flange Dimensions												Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in
Type	Design	k	l	m	n	o	q	s	t	D	D	
BG90..	Code -37/	17.717	15.748	13.780	0.866	0.689	17.283	0.197	8.309	$d+1.693$	$d_{ML}+1.693$	
BG90..	Code -47/	21.654	19.685	17.717	0.866	0.689	17.480	0.197	8.113	$d+1.693$	$d_{ML}+1.693$	

Dimensions in inch

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-../D..08.A.	7.85	17.95	6.14	49.67	4.51	5.37	52.27	54.08	56.50	52.27
BG90G50-../D..08.B.	9.04	17.95	6.14	50.85	4.51	5.37	53.45	55.26	57.66	53.45
BG90G50-../D..09.A.	9.86	18.52	6.93	52.25	4.88	6.18	55.91	56.48	60.01	55.91
BG90G50-../D..09.B.	12.15	18.52	6.93	54.53	4.88	6.18	58.19	58.75	62.29	58.19
BG90G50-../D..11.A.	12.56	18.78	8.58	55.20	6.50	6.93	59.06	59.44	63.08	59.06
BG90G50-../D..11.B.	15.24	18.78	8.58	57.88	6.50	6.93	61.66	62.11	65.75	61.66
BG90G50-../D..13.A.	15.47	19.29	10.16	58.62	8.54	8.54	62.99	62.84	66.97	62.88
BG90G50-../D..16.B.	17.89	19.84	12.20	61.60	9.57	9.57	67.25	65.81	71.33	67.25
BG90G50-../D..18.B.	21.34	20.71	13.70	65.91	11.34	11.34	71.79	70.07	75.87	71.79

Dimensions in inch

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

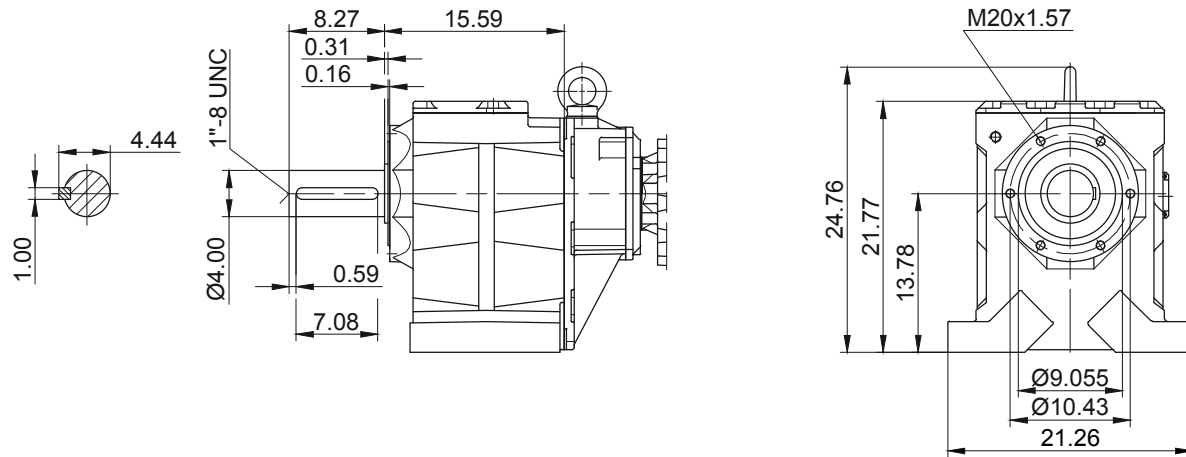
BG-series helical-geared motors

Dimension -Tandem Gearbox Imperial

BG90G50

Flange with tapped holes

Code -71/

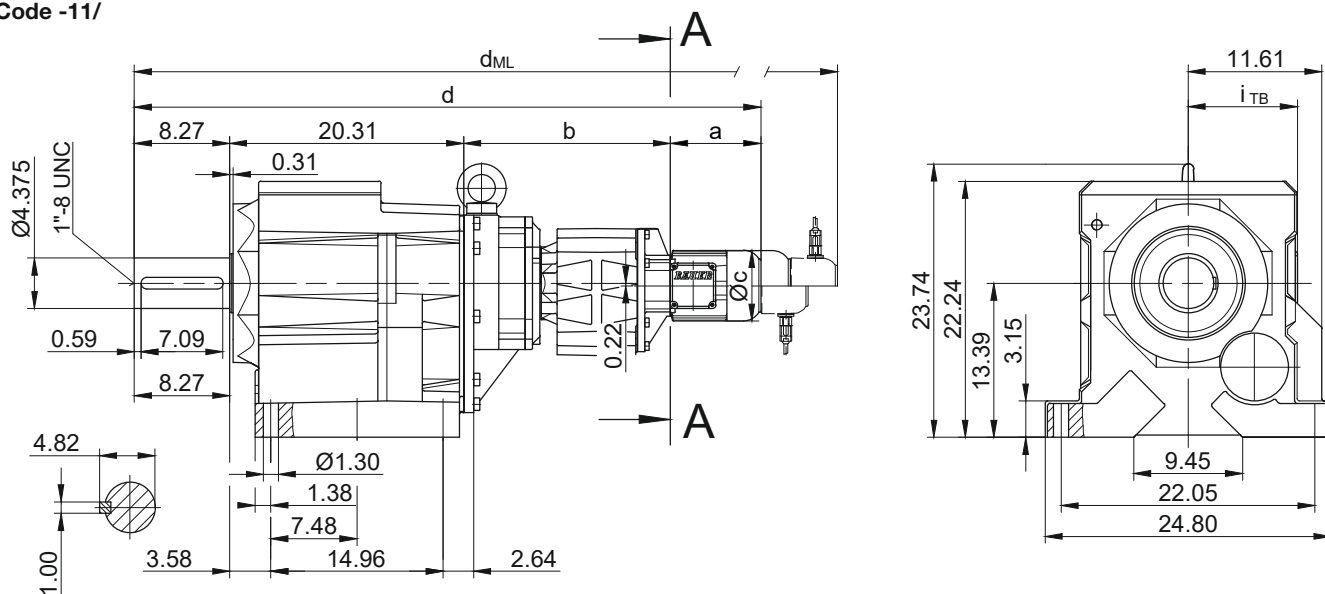


Dimension -Tandem Gearbox Imperial

BG100G50

Foot mounting with clearance holes

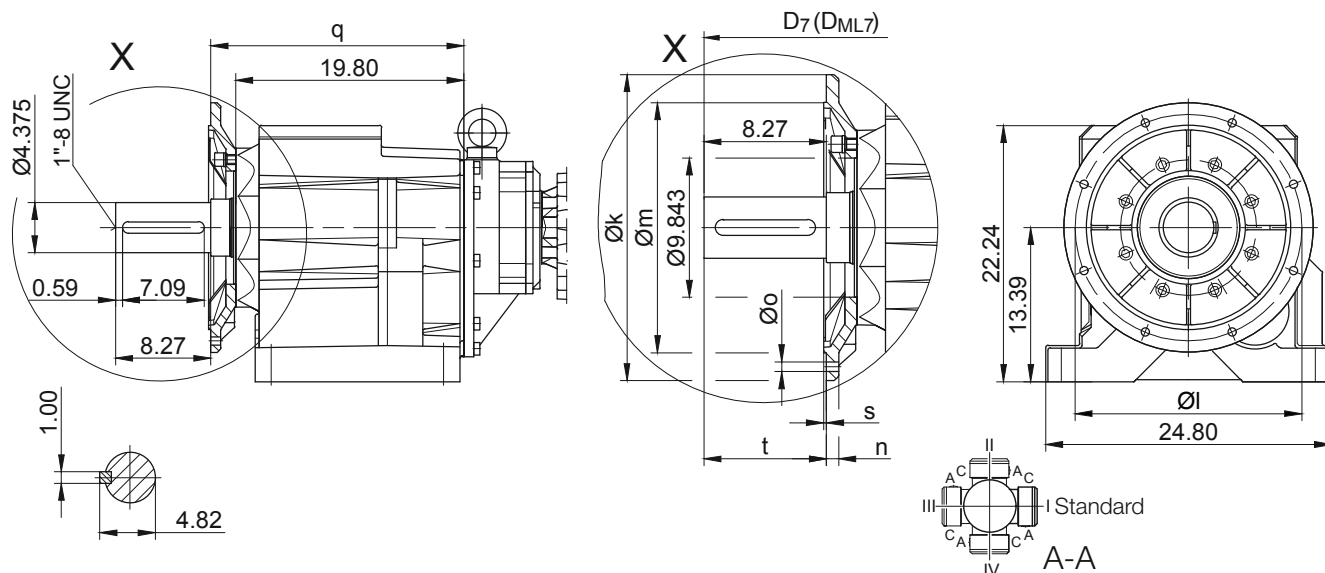
Code -11/



Flange with clearance holes

Code -37/

(Code -47/)



Flange Dimensions											Shaft extension tolerance: up to 1.5 in diameter: +0.000 / -0.0005 in over 1.5 in diameter: +0.000 / -0.001 in Flange spigot diameter: +0.0003 / -0.0015 in	
Type	Design	k	l	m	n	o	q	s	t	D		D
BG100..	Code -37/	21.654	19.685	17.717	0.866	0.689	21.969	0.197	8.270	d+1.653		d _{ML} +1.653
BG100..	Code -47/	25.984	23.622	21.654	0.984	0.866	21.732	0.236	8.546	d+1.653		d _{ML} +1.653
Dimensions in inch												

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-../D..08.A.	7.85	17.95	6.14	54.39	4.51	5.37	56.99	58.80	61.22	56.99
BG100G50-../D..08.B.	9.04	17.95	6.14	55.57	4.51	5.37	58.17	59.98	62.38	58.17
BG100G50-../D..09.A.	9.86	18.52	6.93	56.97	4.88	6.18	60.63	61.21	64.73	60.63
BG100G50-../D..09.B.	12.15	18.52	6.93	59.25	4.88	6.18	62.92	63.47	67.01	62.92
BG100G50-../D..11.A.	12.56	18.78	8.58	59.92	6.50	6.93	63.78	64.16	67.80	63.78
BG100G50-../D..11.B.	15.24	18.78	8.58	62.60	6.50	6.93	66.38	66.84	70.48	66.38
BG100G50-../D..13.A.	15.47	19.29	10.16	63.35	8.54	8.54	67.72	67.57	71.70	67.60
BG100G50-../D..16.B.	17.89	19.84	12.20	66.32	9.57	9.57	71.97	70.54	76.05	71.97
BG100G50-../D..18.B.	21.34	20.71	13.70	70.63	11.34	11.34	76.52	74.79	80.60	76.52

Dimensions in inch

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

Dimension -Tandem Gearbox Imperial

Code -71/

313

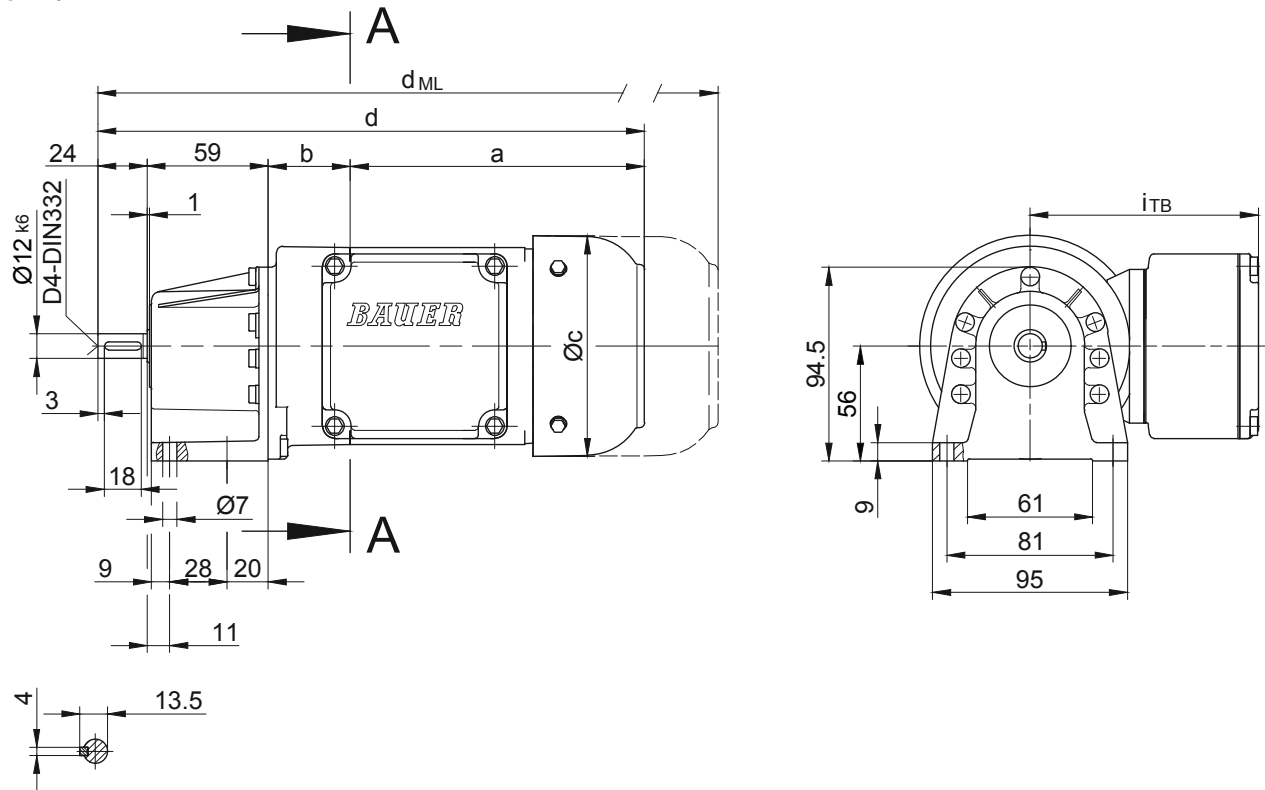
BG-series helical-geared motors

Dimension - Standard Metric

BG04

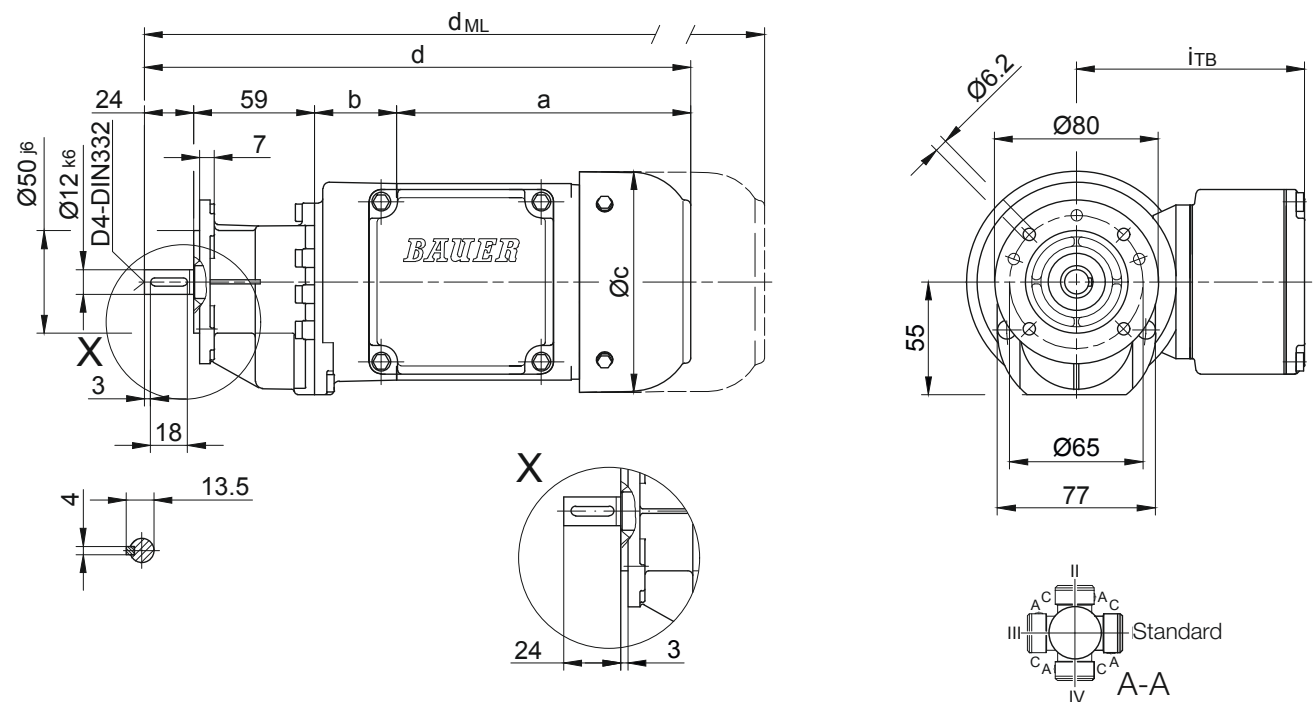
Foot mounting

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
BG04-.../D04.A.	142.5	40	110.5	265.5	90	112	d_{ML}	d_{ML}	d_{ML}	-
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.

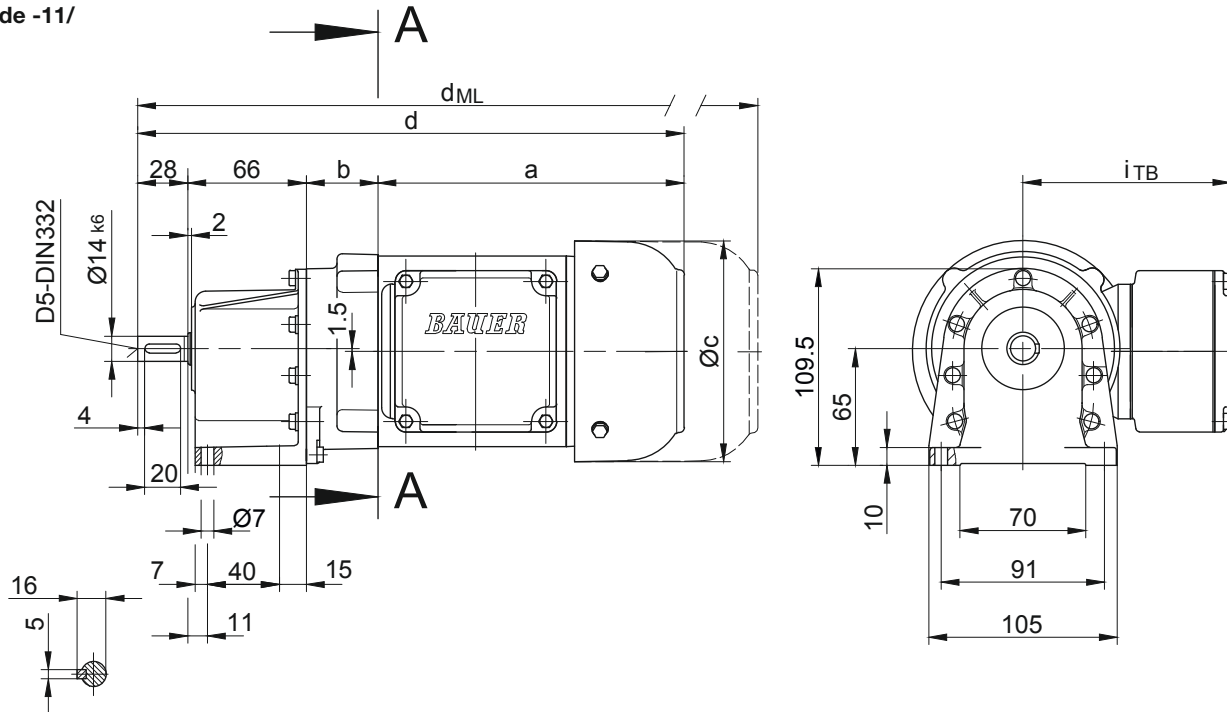
BG-series helical-geared motors

Dimension - Standard Metric

BG05

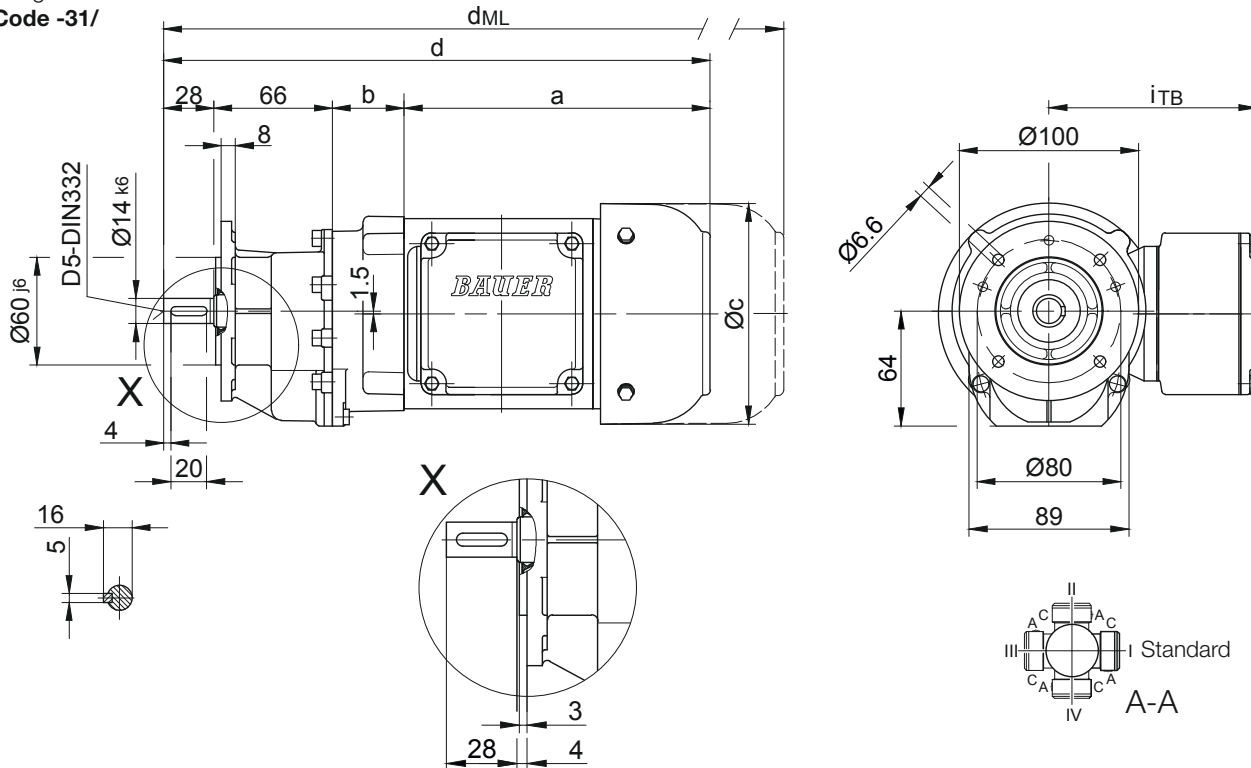
Foot mounting

Code -11/



Flange with clearance holes

Code -31/



10

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BG05-.../D04.A.	142.5	38	110.5	274.5	90	112	318	362	405.5	-
BG05-.../D..05.A.	170.5	40	123	304.5	101	117	346.5	407	444.5	-
BG05-.../D..06.A.	170.5	40	123	304.5	99	119	346.5	407	444.5	-
BG05-.../D..07.A.	190.5	40	123	324.5	99	119	366.5	427	464.5	-

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.

Energy Efficient Geared Motors

AC Line Operated / North America

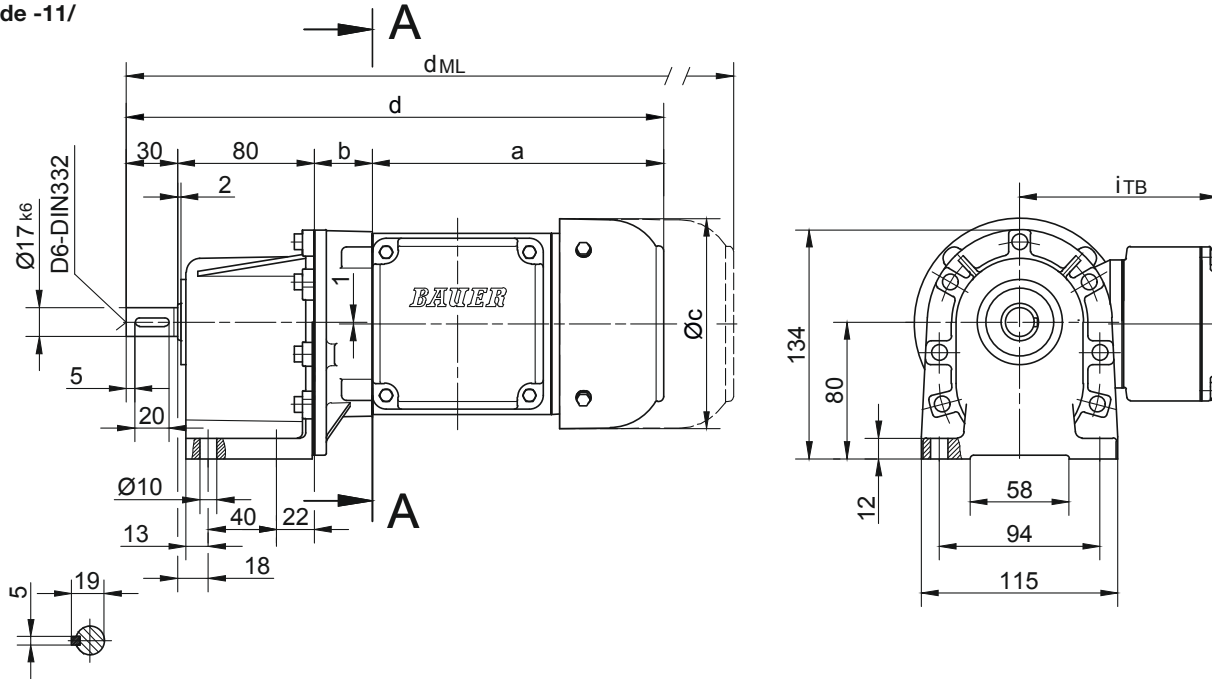
BG-series helical-geared motors

Dimension - Standard Metric

BG06

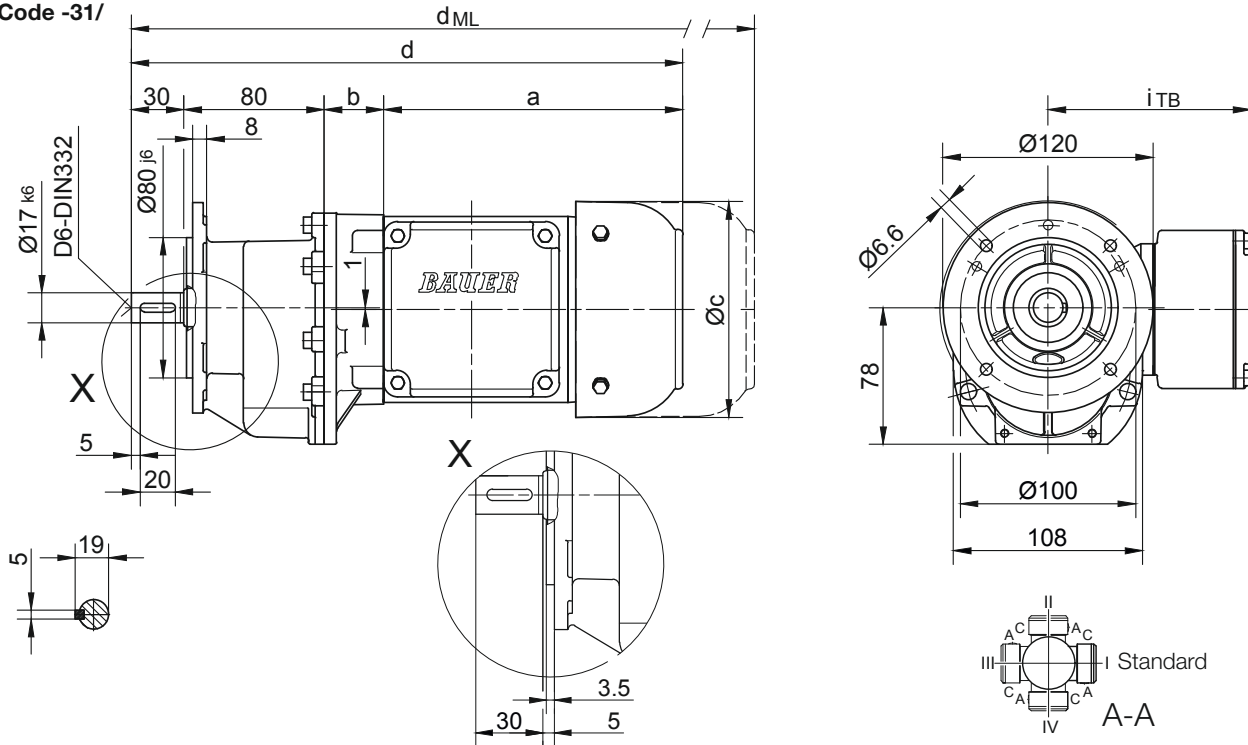
Foot mounting

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-.../D04.A.	142.5	32	110.5	284.5	90	112	328	372	415.5	-
BG06-.../D..05.A.	170.5	34	123	314.5	101	117	356.5	417	454.5	-
BG06-.../D..06.A.	170.5	34	123	314.5	99	119	356.5	417	454.5	-
BG06-.../D..07.A.	190.5	34	123	334.5	99	119	376.5	437	474.5	-
BG06-.../D..08.A.	199.5	78	156	387.5	114.5	136.5	453.5	499.5	561	453.5
BG06-.../D..08.B.	229.5	78	156	417.5	114.5	136.5	483.5	529.5	590.5	483.5

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.

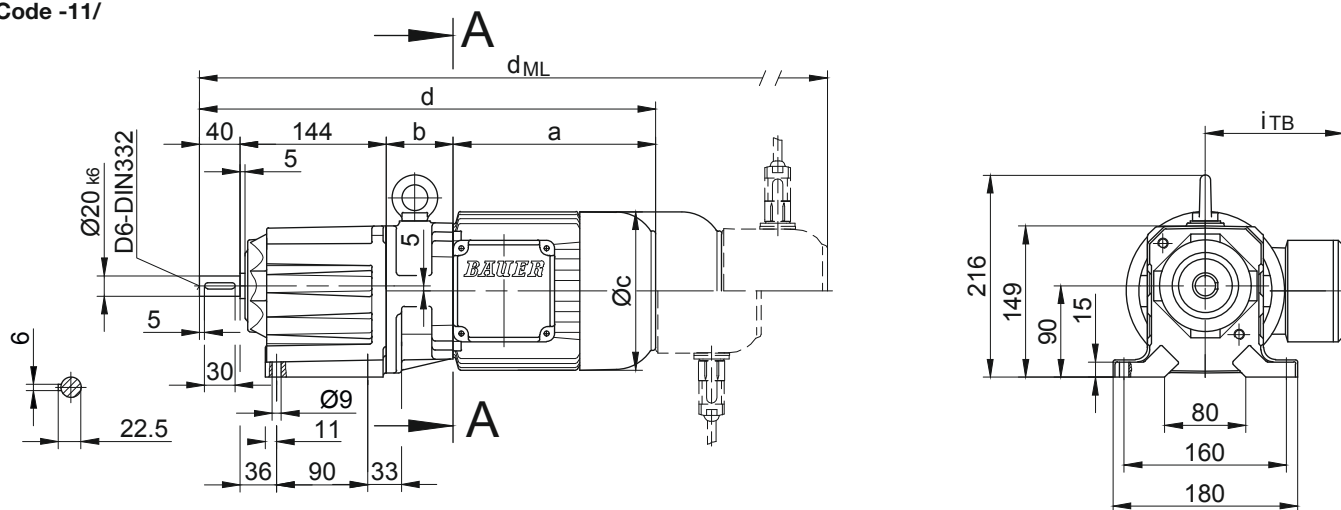
BG-series helical-geared motors

Dimension - Standard Metric

BG10 - BG10Z

Foot mounting with clearance holes

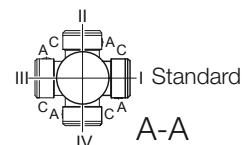
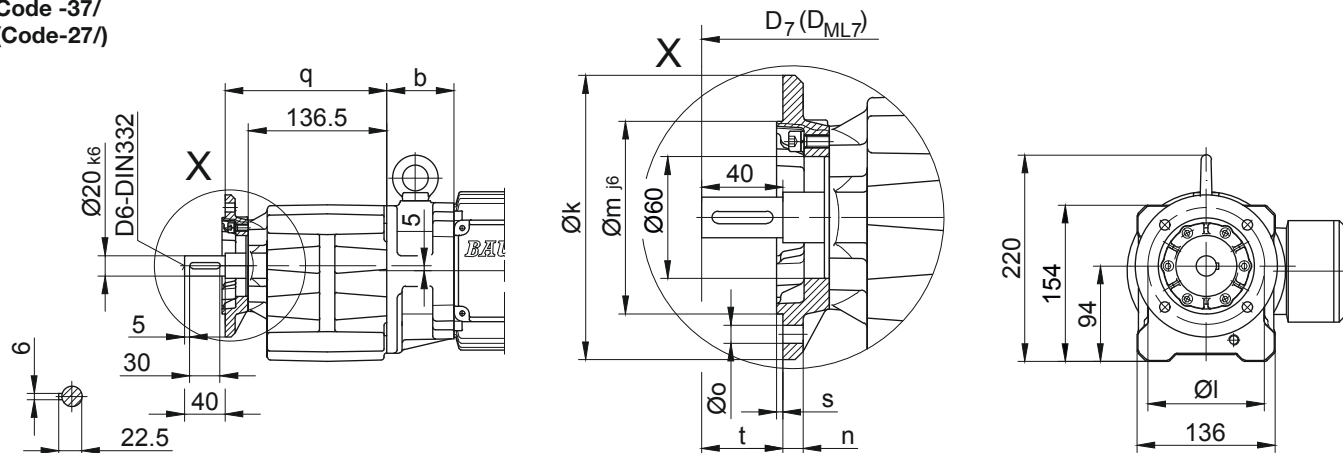
Code -11/



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 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../D04.A.	142.5	86	110.5	412.5	90	112	456	500	543.5	-
BG10../D..05.A.	170.5	62	123	416.5	101	117	458.5	519	556.5	-
BG10Z../D..05.A.	170.5	88	123	442.5	101	117	484.5	545	582.5	-
BG10../D..06.A.	170.5	62	123	416.5	99	119	458.5	519	556.5	-
BG10Z../D..06.A.	170.5	88	123	442.5	99	119	484.5	545	582.5	-
BG10../D..07.A.	190.5	62	123	436.5	99	119	478.5	539	576.5	-
BG10Z../D..07.A.	190.5	88	123	462.5	99	119	504.5	565	602.5	-
BG10../D..08.A.	199.5	66	156	449.5	114.5	136.5	515.5	561.5	623	515.5
BG10Z../D..08.A.	199.5	132	156	515.5	114.5	136.5	581.5	627.5	689	581.5
BG10../D..08.B.	229.5	66	156	479.5	114.5	136.5	545.5	591.5	652.5	545.5
BG10Z../D..08.B.	229.5	132	156	545.5	114.5	136.5	611.5	657.5	718.5	611.5
BG10../D..09.A.	250.5	80.5	176	515	124	157	608	622.5	712	608
BG10../D..09.B.	308.5	80.5	176	573	124	157	666	680	770	666

Dimensions in millimetres (mm)

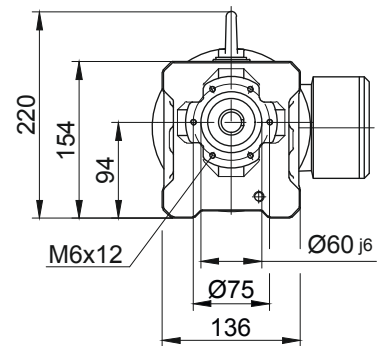
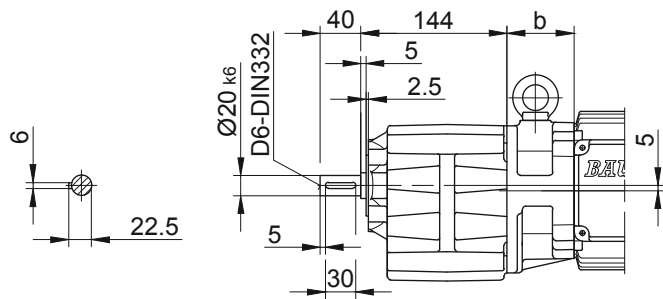
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension - Standard Metric

BG10 - BG10Z

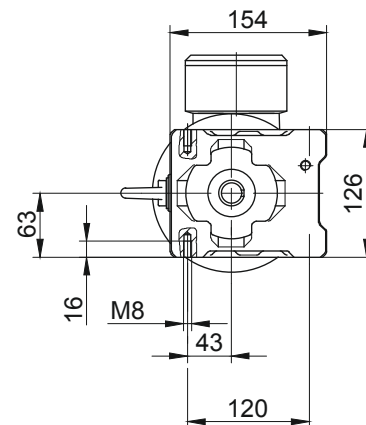
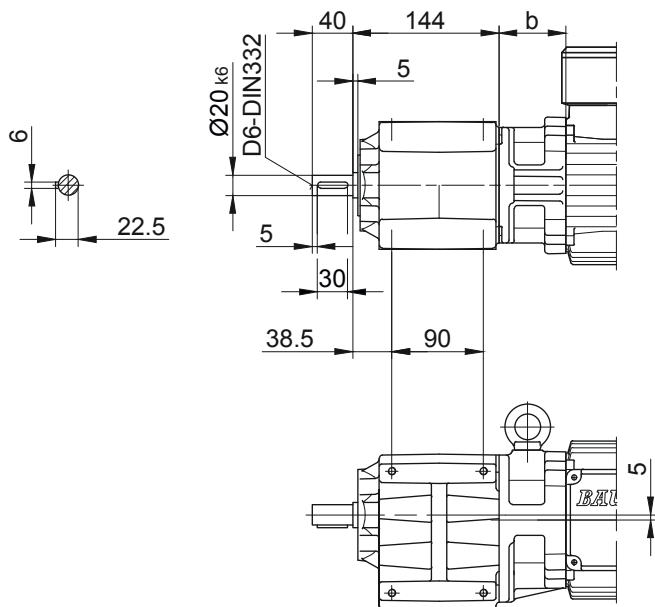
Flange with tapped holes

Code -71/



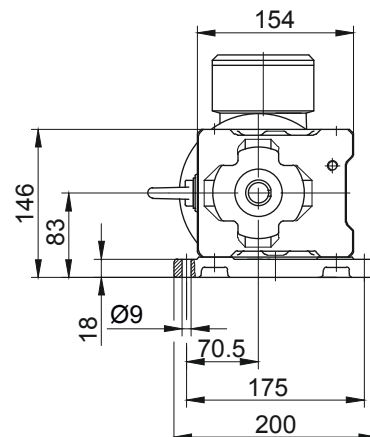
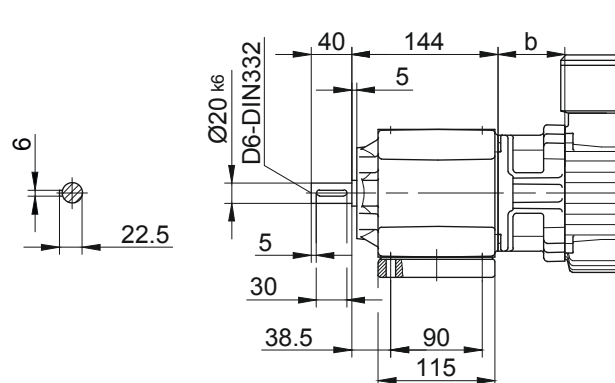
Foot with tapped holes left and right

Code -61LR/



Foot plate left

Code -91L/



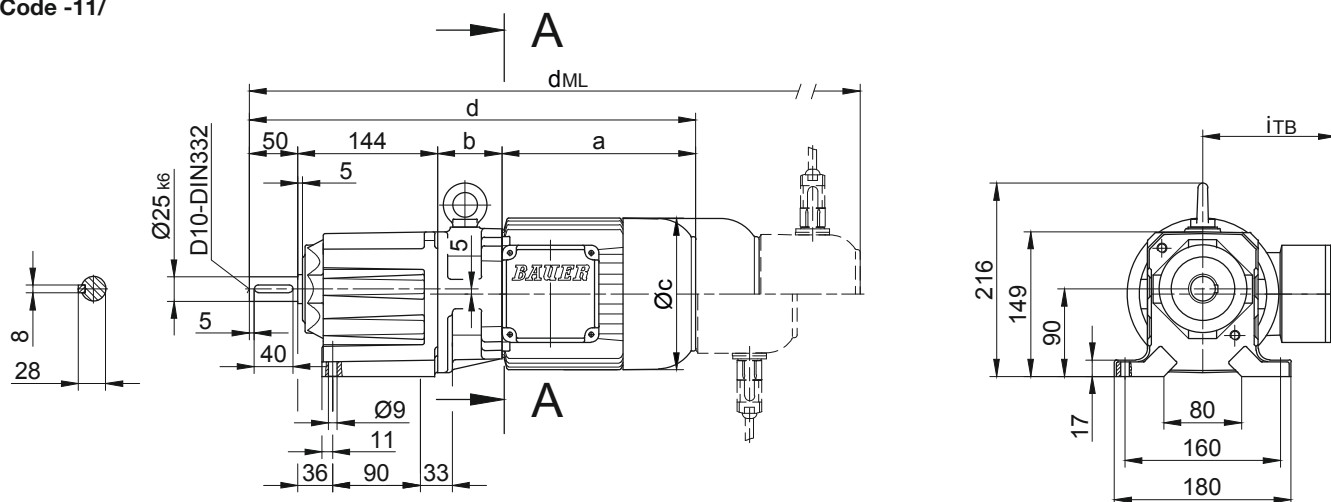
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension - Standard Metric

BG10X - BG10XZ

Foot mounting with clearance holes

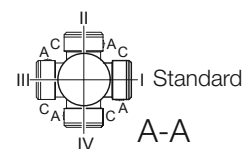
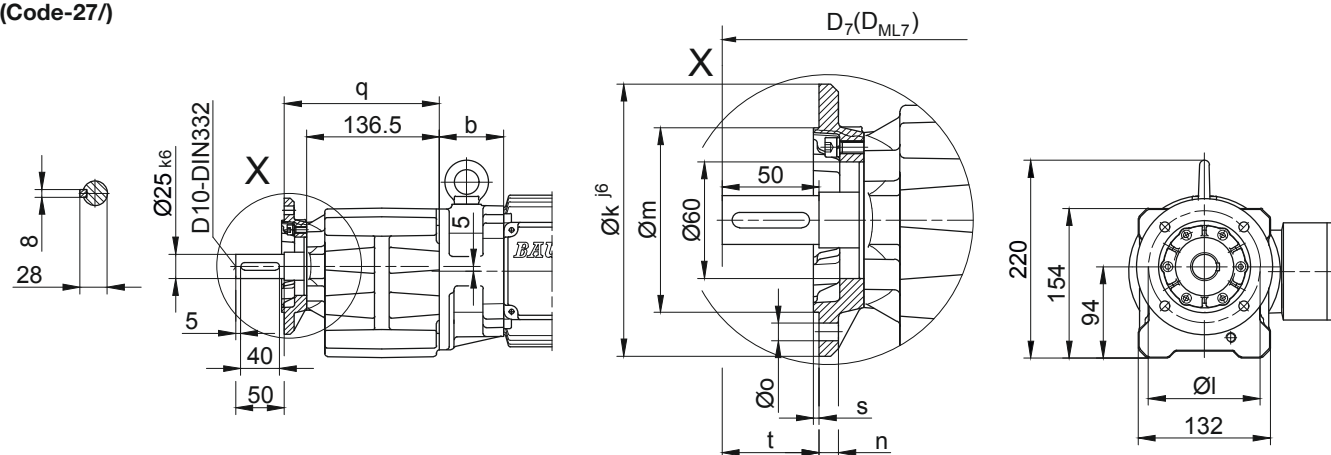
Code -11/



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

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-../D04.A.	142.5	86	110.5	422.5	90	112	466	510	553.5	-
BG10X-../D..05.A.	170.5	62	123	426.5	101	117	468.5	529	566.5	-
BG10XZ-../D..05.A.	170.5	88	123	452.5	101	117	494.5	555	592.5	-
BG10X-../D..06.A.	170.5	62	123	426.5	99	119	468.5	529	566.5	-
BG10XZ-../D..06.A.	170.5	88	123	452.5	99	119	494.5	555	592.5	-
BG10X-../D..07.A.	190.5	62	123	446.5	99	119	488.5	549	586.5	-
BG10XZ-../D..07.A.	190.5	88	123	472.5	99	119	514.5	575	612.5	-
BG10X-../D..08.A.	199.5	66	156	459.5	114.5	136.5	525.5	571.5	633	525.5
BG10XZ-../D..08.A.	199.5	132	156	525.5	114.5	136.5	591.5	637.5	699	591.5
BG10X-../D..08.B.	229.5	66	156	489.5	114.5	136.5	555.5	601.5	662.5	555.5
BG10XZ-../D..08.B.	229.5	132	156	555.5	114.5	136.5	621.5	667.5	728.5	621.5
BG10X-../D..09.A.	250.5	80.5	176	525	124	157	618	632.5	722	618
BG10X-../D..09.B.	308.5	80.5	176	583	124	157	676	690	780	676

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.

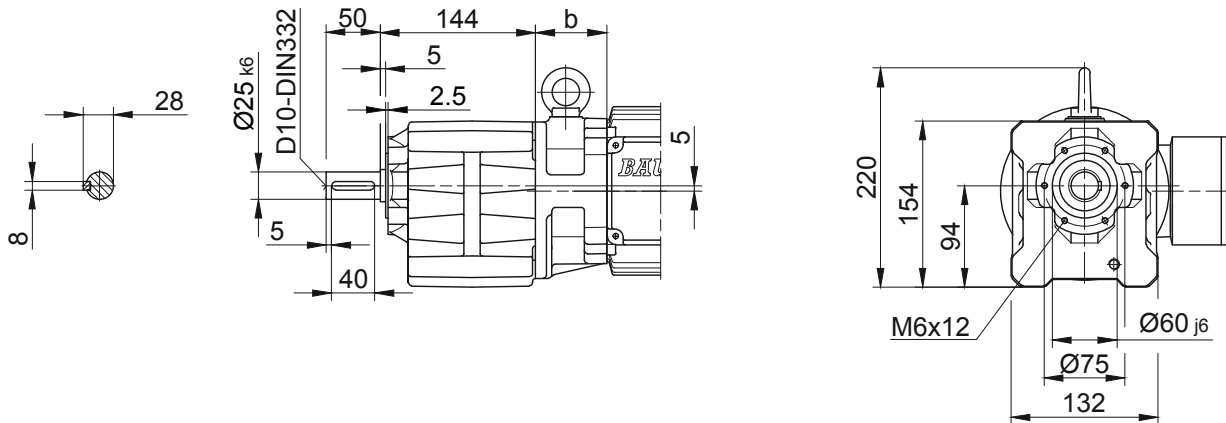
BG-series helical-geared motors

Dimension - Standard Metric

BG10X - BG10XZ

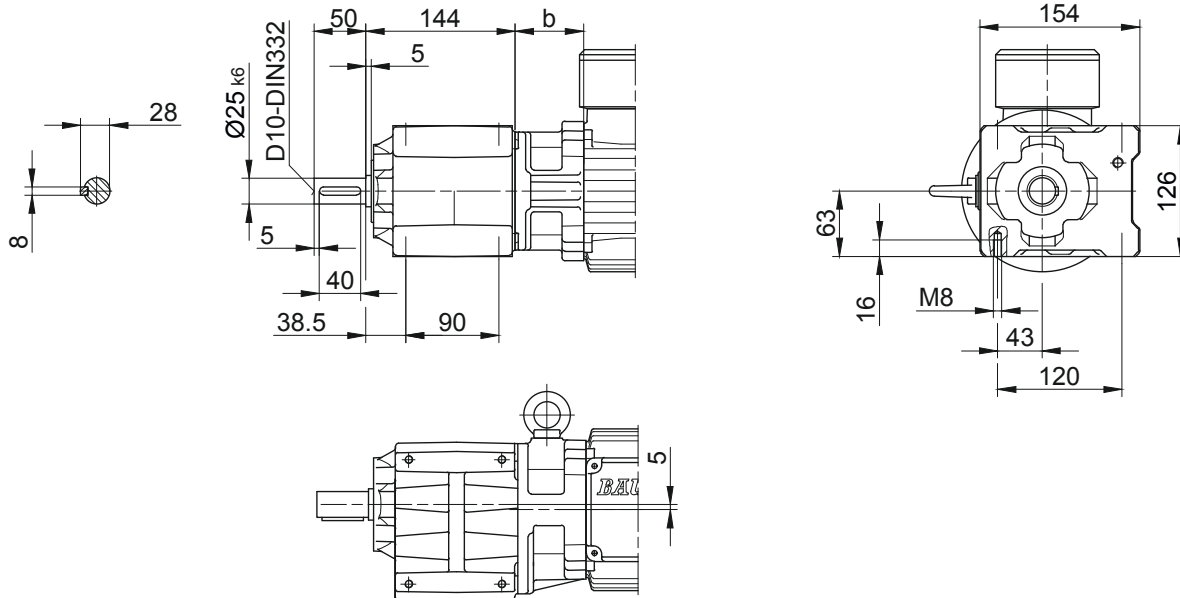
Flange with tapped holes

Code -71/



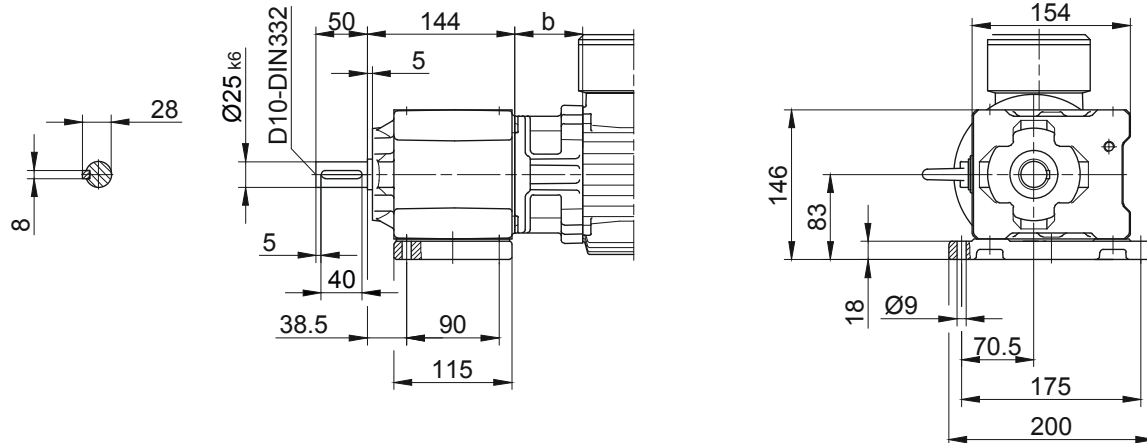
Foot with tapped holes left and right

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.

Energy Efficient Geared Motors

AC Line Operated / North America

10

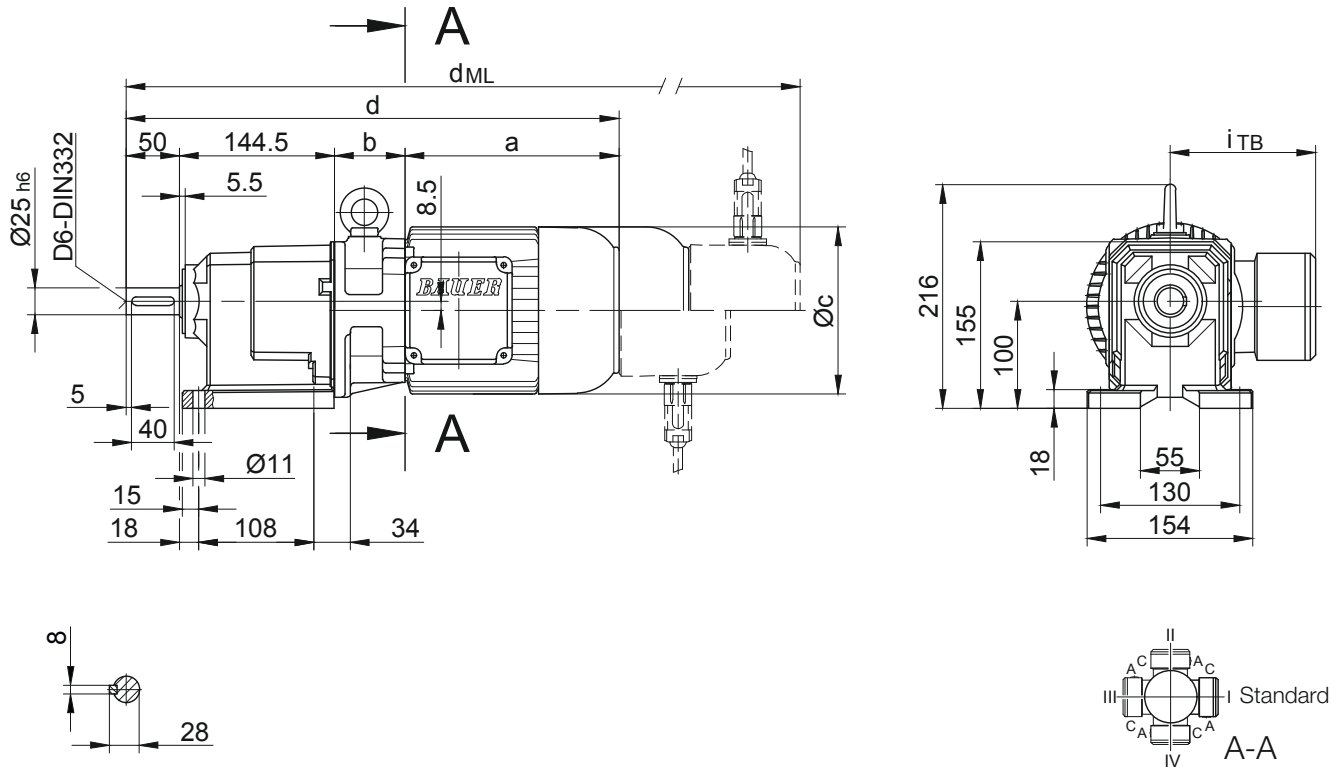
BG-series helical-geared motors

Dimension - Standard Metric

BG15

Foot mounting with clearance holes

Code -11/



10

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-.../D..05.A.	170.5	62	123	427	101	117	442.5	486.5	530	-
BG15-.../D..06.A.	170.5	62	123	427	99	119	469	529.5	567	-
BG15-.../D..07.A.	190.5	62	123	447	99	119	489	549.5	587	-
BG15-.../D..08.A.	199.5	66	156	460	114.5	136.5	526	572	633.5	331.5
BG15-.../D..08.B.	229.5	66	156	490	114.5	136.5	556	602	663	556
BG15-.../D..09.A.	250.5	80.5	176	525.5	124	157	618.5	633	722.5	618.5
BG15-.../D..09.B.	308.5	80.5	176	583.5	124	157	676.5	690.5	780.5	676.5

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.

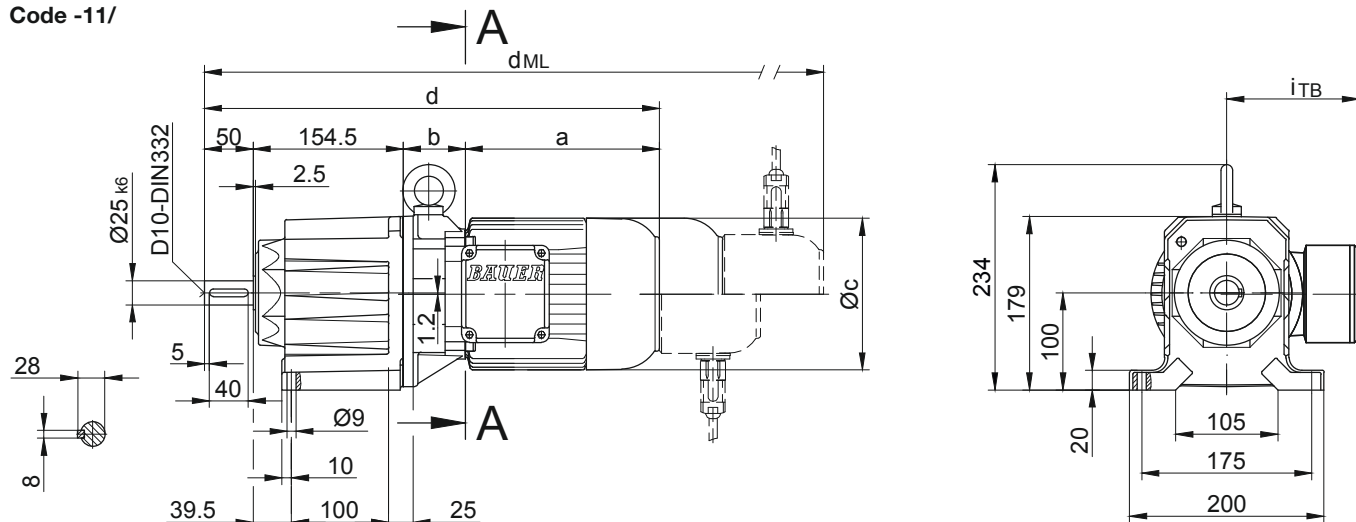
BG-series helical-geared motors

Dimension - Standard Metric

BG20 - BG20Z

Foot mounting with clearance holes

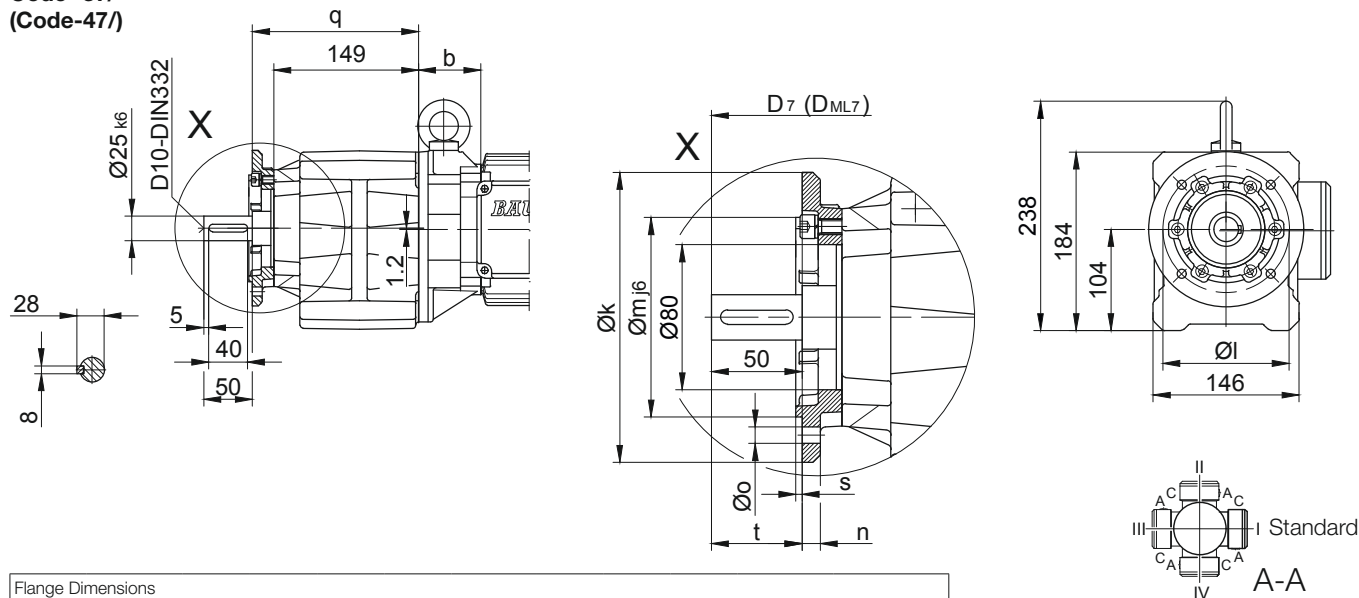
Code -11/



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 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-../D04.A.	142.5	100	110.5	447	90	112	490.5	534.5	578	-
BG20-../D..05.A.	170.5	60	123	435	101	117	477	537.5	575	-
BG20Z-../D..05.A.	170.5	102	123	477	101	117	519	579.5	617	-
BG20-../D..06.A.	170.5	60	123	435	99	119	477	537.5	575	-
BG20Z-../D..06.A.	170.5	102	123	477	99	119	519	579.5	617	-
BG20-../D..07.A.	190.5	60	123	455	99	119	497	557.5	595	-
BG20Z-../D..07.A.	190.5	102	123	497	99	119	539	599.5	637	-
BG20-../D..08.A.	199.5	64	156	468	114.5	136.5	534	580	641.5	534
BG20Z-../D..08.A.	199.5	146	156	550	114.5	136.5	616	662	723.5	616
BG20-../D..08.B.	229.5	64	156	498	114.5	136.5	564	610	671	564
BG20Z-../D..08.B.	229.5	146	156	580	114.5	136.5	646	692	753	646
BG20-../D..09.A.	250.5	78.5	176	533.5	124	157	626.5	641	730.5	626.5
BG20-../D..09.B.	308.5	78.5	176	591.5	124	157	684.5	698.5	788.5	684.5

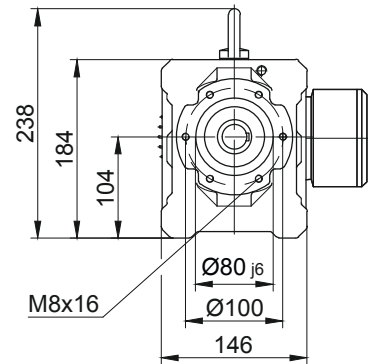
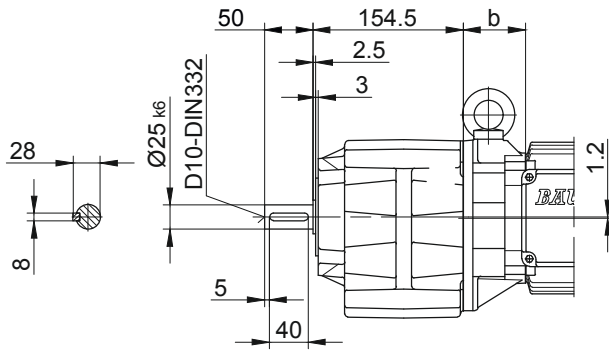
Dimensions in millimetres (mm)

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

BG20 - BG20Z

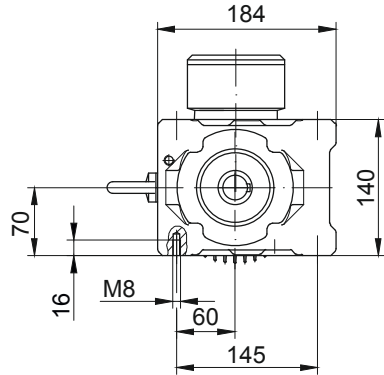
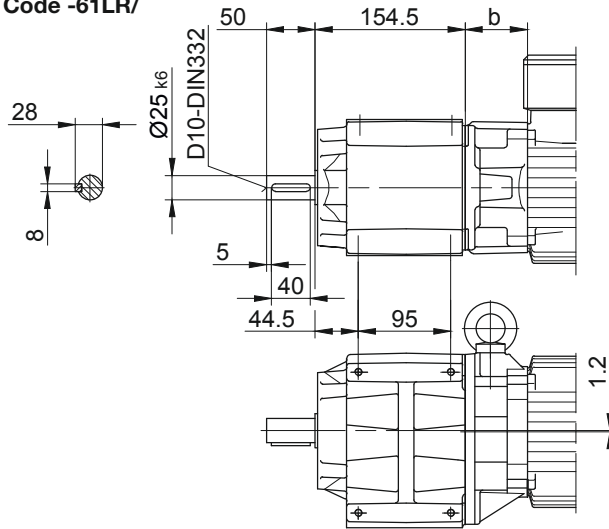
Flange with tapped holes

Code -71/



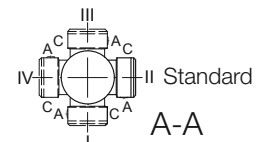
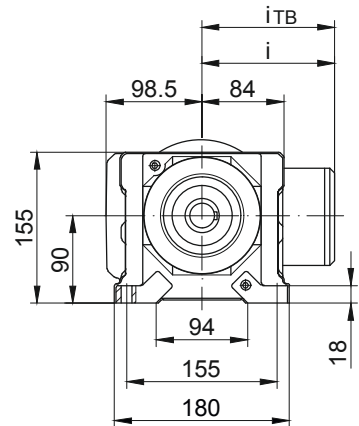
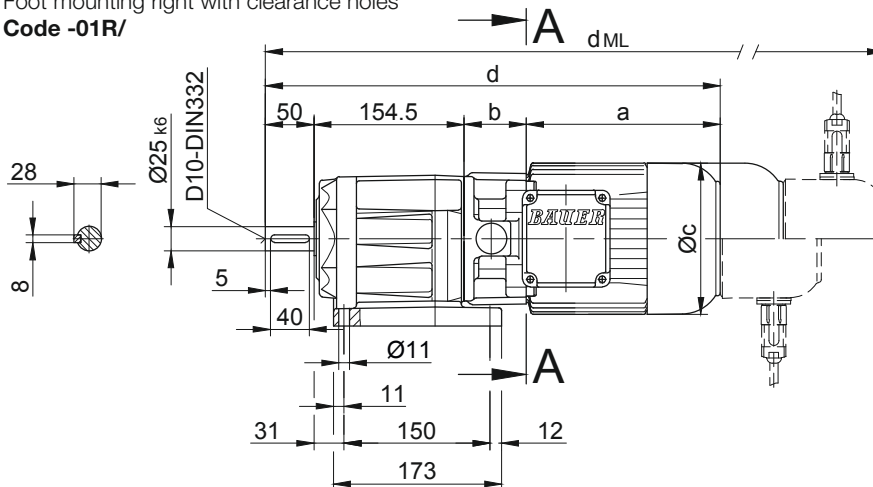
Foot with tapped holes left and right

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.

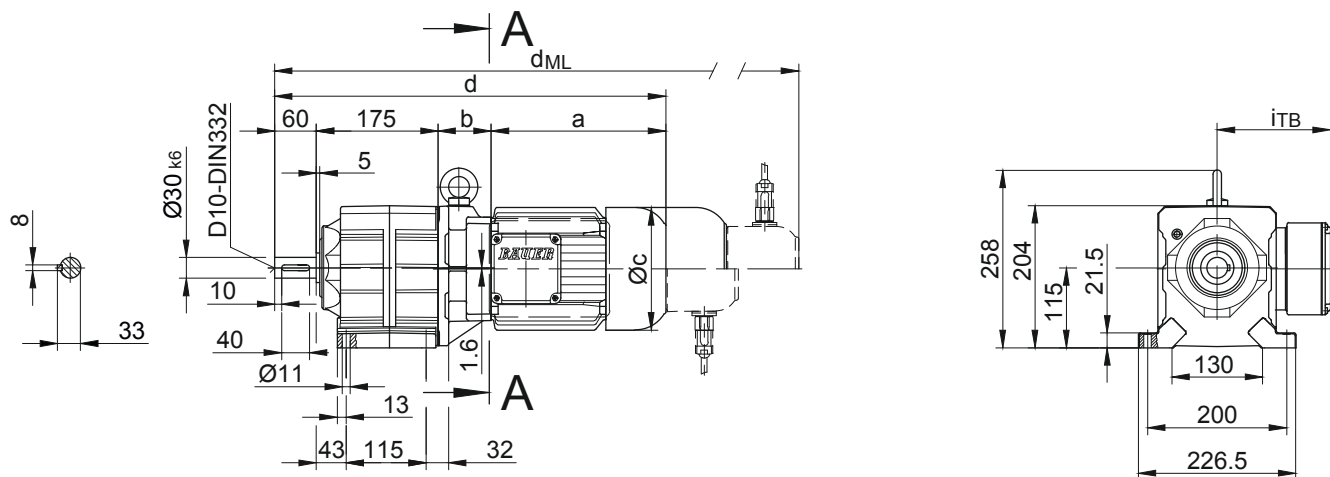
BG-series helical-geared motors

Dimension - Standard Metric

BG30 - BG30Z

Foot mounting with clearance holes

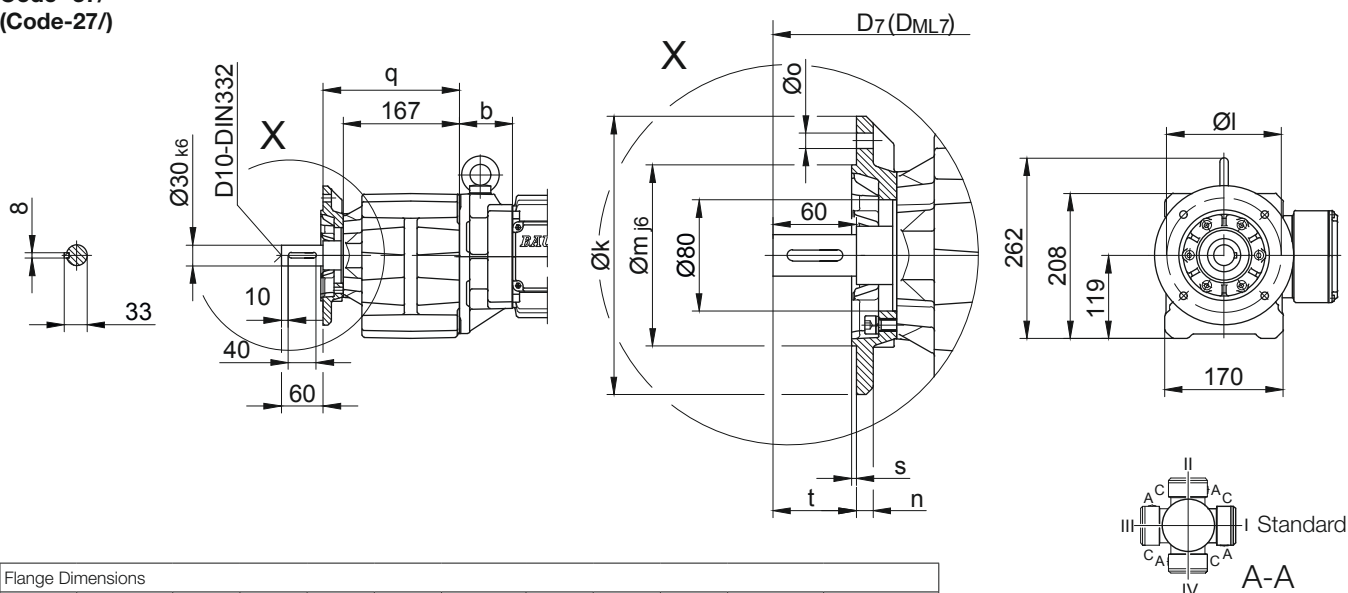
Code -11/



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 mm

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
BG30-../D..05.A.	170.5	58	123	463.5	101	117	505.5	566	603.5	-
BG30Z-../D..05.A.	170.5	133.5	123	539	101	117	581	641.5	679	-
BG30-../D..06.A.	170.5	58	123	463.5	99	119	505.5	566	603.5	-
BG30Z-../D..06.A.	170.5	133.5	123	539	99	119	581	641.5	679	-
BG30-../D..07.A.	190.5	58	123	483.5	99	119	525.5	586	623.5	-
BG30Z-../D..07.A.	190.5	133.5	123	559	99	119	601	661.5	699	-
BG30-../D..08.A.	199.5	62	156	496.5	114.5	136.5	562.5	608.5	670	562.5
BG30Z-../D..08.A.	199.5	137.5	156	572	114.5	136.5	638	684	745.5	638
BG30-../D..08.B.	229.5	62	156	526.5	114.5	136.5	592.5	638.5	699.5	592.5
BG30Z-../D..08.B.	229.5	137.5	156	602	114.5	136.5	668	714	775	668
BG30-../D..09.A.	250.5	76.5	176	562	124	157	655	727	759	655
BG30Z-../D..09.A.	250.5	152	176	637.5	124	157	730.5	802.5	834.5	730.5
BG30-../D..09.B.	308.5	76.5	176	620	124	157	713	727	817	713
BG30Z-../D..09.B.	308.5	152	176	695.5	124	157	788.5	802.5	892.5	788.5
BG30-../D..11.A.	319	83	218	637	165	176	735	744.5	837	735
BG30-../D..11.B.	387	83	218	705	165	176	801	812.5	905	801

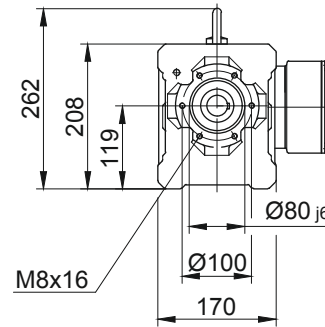
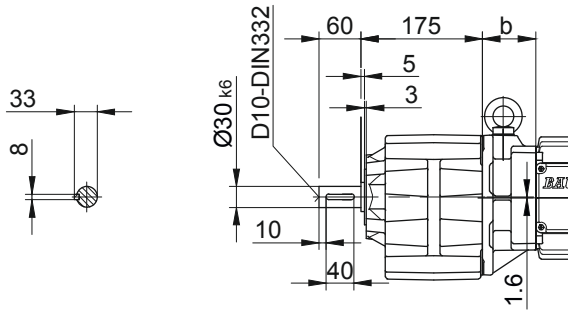
Dimensions in millimetres (mm)

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

BG30 - BG30Z

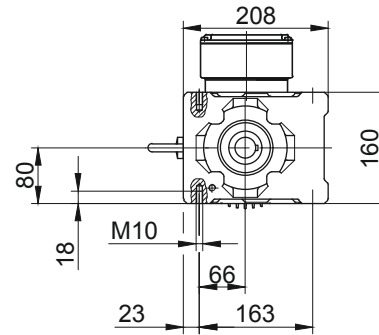
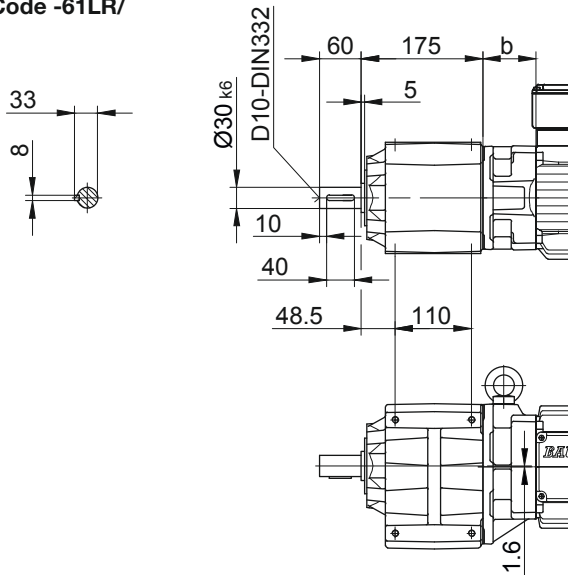
Flange with tapped holes

Code -71/



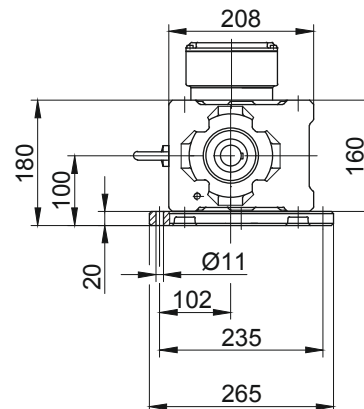
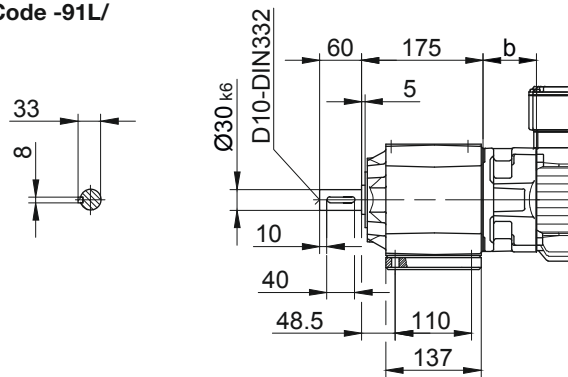
Foot with tapped holes left and right

Code -61LR/



Foot plate left

Code -91L/



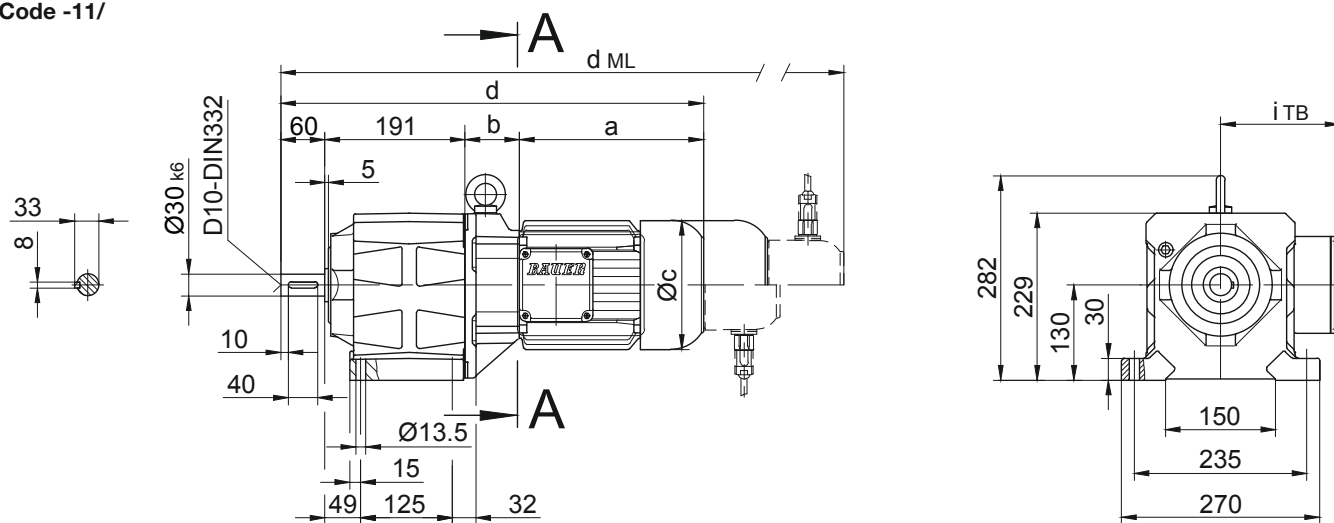
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension - Standard Metric

BG40 - BG40Z

Foot mounting with clearance holes

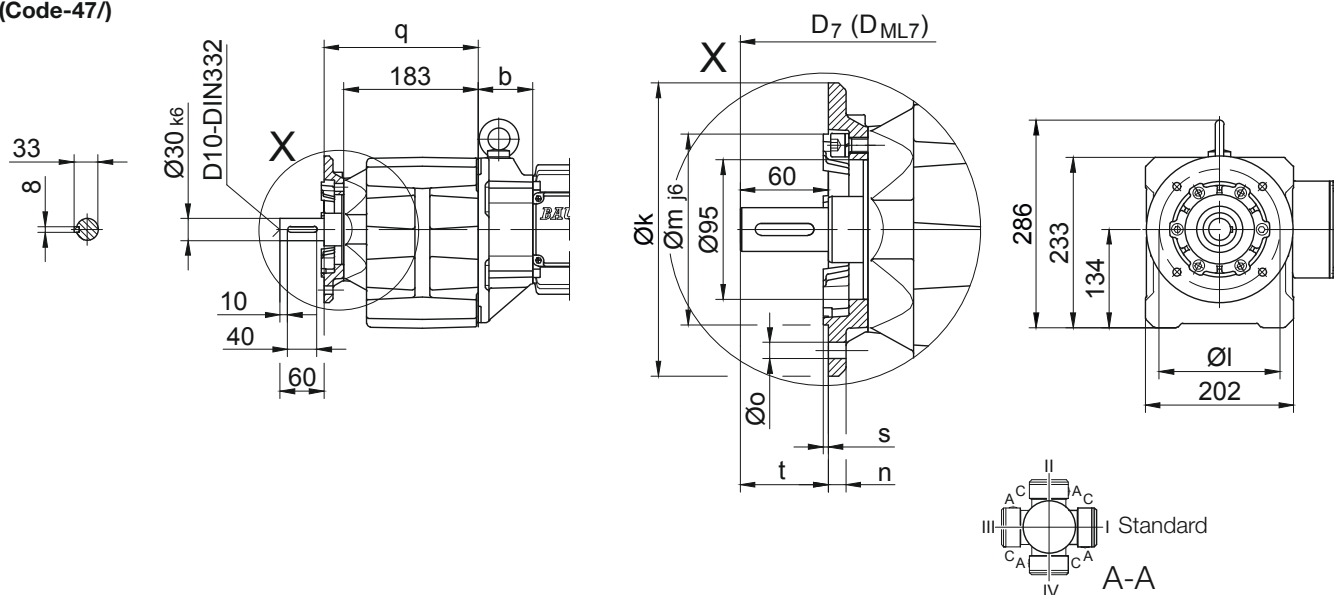
Code -11/



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 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-../D..05.A.	170.5	138.5	123	560	101	117	602	662.5	700	-
BG40Z-../D..06.A.	170.5	138.5	123	560	99	119	602	662.5	700	-
BG40Z-../D..07.A.	190.5	138.5	123	580	99	119	622	682.5	720	-
BG40-../D..08.A.	199.5	60	156	510.5	114.5	136.5	576.5	622.5	684	576.5
BG40Z-../D..08.A.	199.5	142.5	156	593	114.5	136.5	659	705	766.5	659
BG40-../D..08.B.	229.5	60	156	540.5	114.5	136.5	606.5	652.5	713.5	606.5
BG40Z-../D..08.B.	229.5	142.5	156	623	114.5	136.5	689	735	796	689
BG40-../D..09.A.	250.5	74.5	176	576	124	157	669	683.5	773	669
BG40Z-../D..09.A.	250.5	157	176	658.5	124	157	751.5	766	855.5	751.5
BG40-../D..09.B.	308.5	74.5	176	634	124	157	727	741	831	727
BG40Z-../D..09.B.	308.5	157	176	716.5	124	157	809.5	823.5	913.5	809.5
BG40-../D..11.A.	319	81	218	651	165	176	749	758.5	851	749
BG40-../D..11.B.	387	81	218	719	165	176	815	826.5	919	815

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.

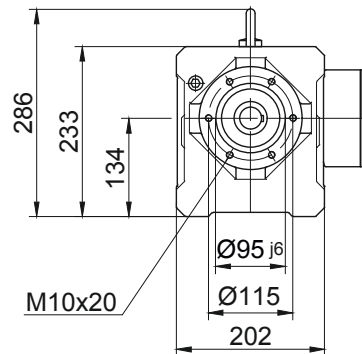
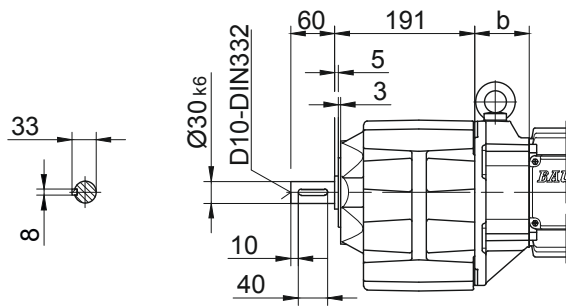
BG-series helical-geared motors

Dimension - Standard Metric

BG40 - BG40Z

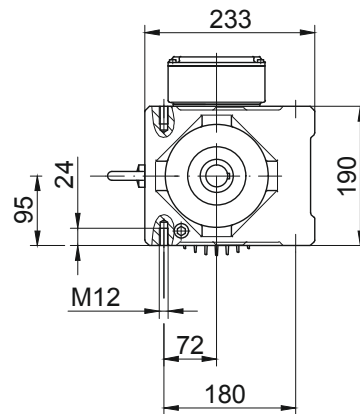
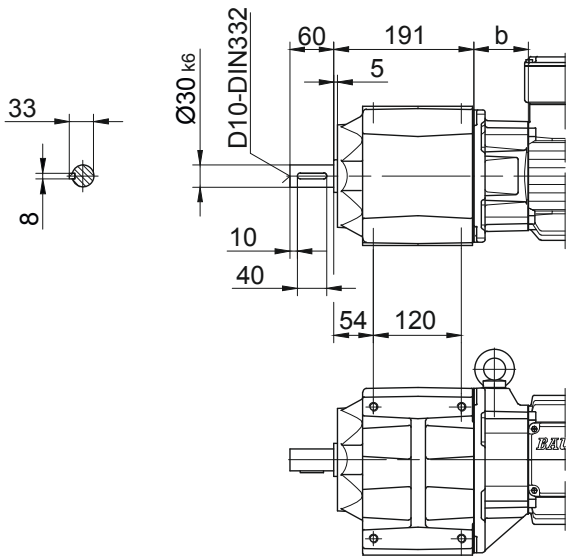
Flange with tapped holes

Code -71/



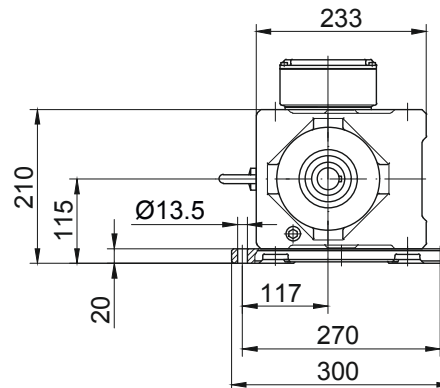
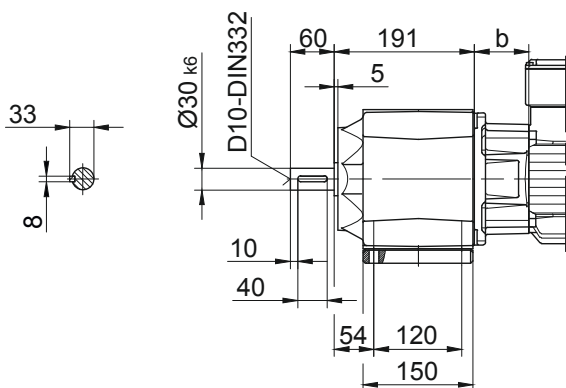
Foot with tapped holes left and right

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.

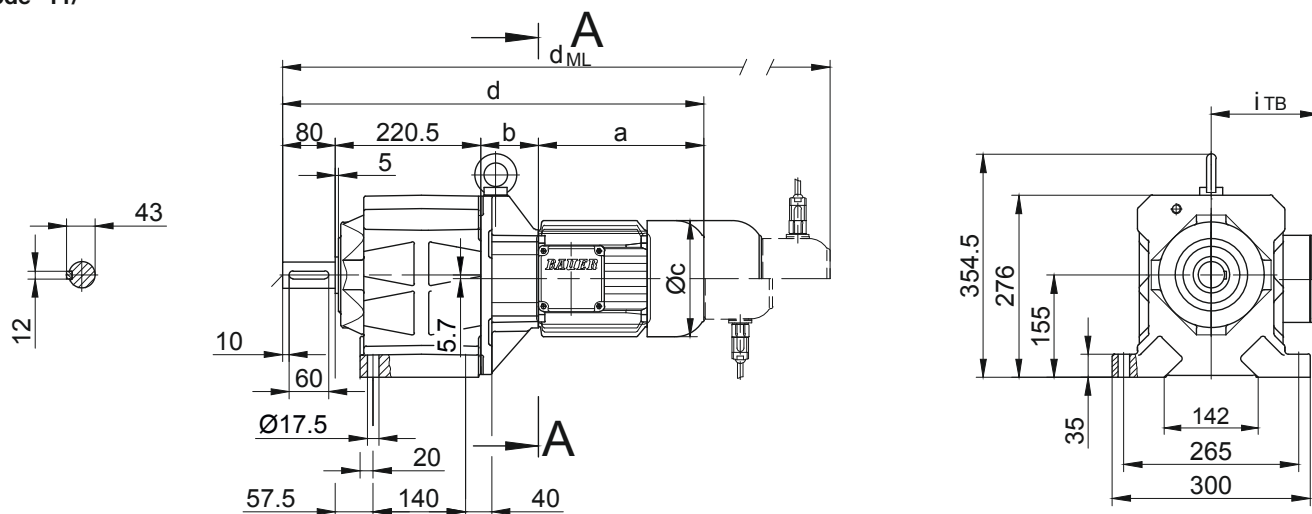
BG-series helical-geared motors

Dimension - Standard Metric

BG50 - BG50Z

Foot mounting with clearance holes

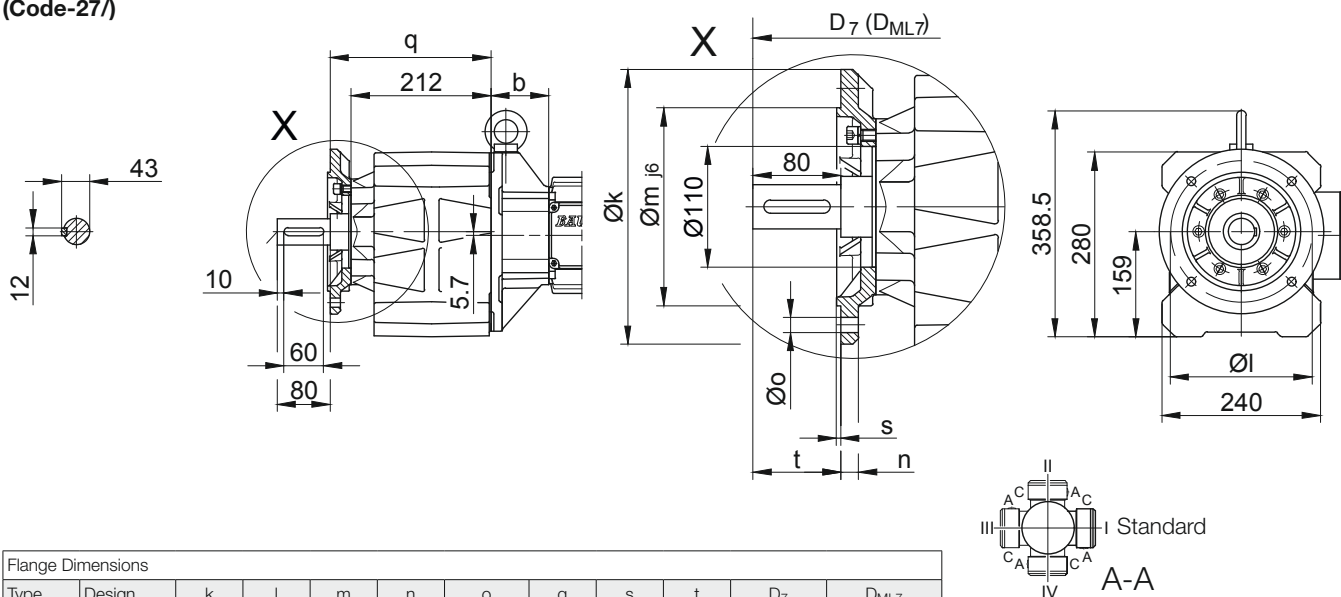
Code -11/



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 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-../D..05.A.	170.5	155	123	626	101	117	668	728.5	766	-
BG50Z-../D..06.A.	170.5	155	123	626	99	119	668	728.5	766	-
BG50Z-../D..07.A.	190.5	155	123	646	99	119	688	748.5	786	-
BG50-../D..08.A.	199.5	73	156	573	114.5	136.5	639	685	746.5	639
BG50Z-../D..08.A.	199.5	159	156	659	114.5	136.5	725	771	832.5	725
BG50-../D..08.B.	229.5	73	156	603	114.5	136.5	669	715	776	669
BG50Z-../D..08.B.	229.5	159	156	689	114.5	136.5	755	801	862	755
BG50-../D..09.A.	250.5	87.5	176	638.5	124	157	731.5	746	835.5	731.5
BG50Z-../D..09.A.	250.5	173.5	176	724.5	124	157	817.5	832	921.5	817.5
BG50-../D..09.B.	308.5	87.5	176	696.5	124	157	789.5	803.5	893.5	789.5
BG50Z-../D..09.B.	308.5	173.5	176	782.5	124	157	875.5	889.5	979.5	875.5
BG50-../D..11.A.	319	94	218	713.5	165	176	811.5	821	913.5	811.5
BG50-../D..11.B.	387	94	218	781.5	165	176	877.5	889	981.5	877.5
BG50-../D..13.A.	393	107	258	800.5	217	217	911.5	907.5	1012.5	908.5
BG50-../D..16.B.	454.5	121	310	876	243	243	1019.5	983	1123	1019.5
BG50-../D..18.B.	542	143	348	985.5	288	288	1135	1091	1238.5	1135

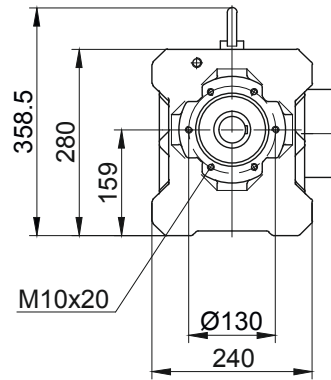
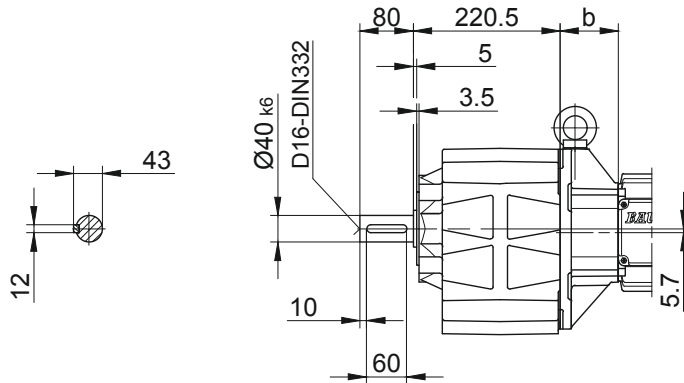
Dimensions in millimetres (mm)

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

BG50 - BG50Z

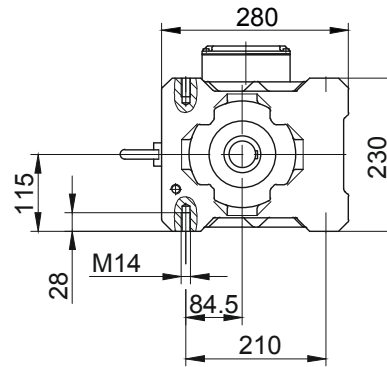
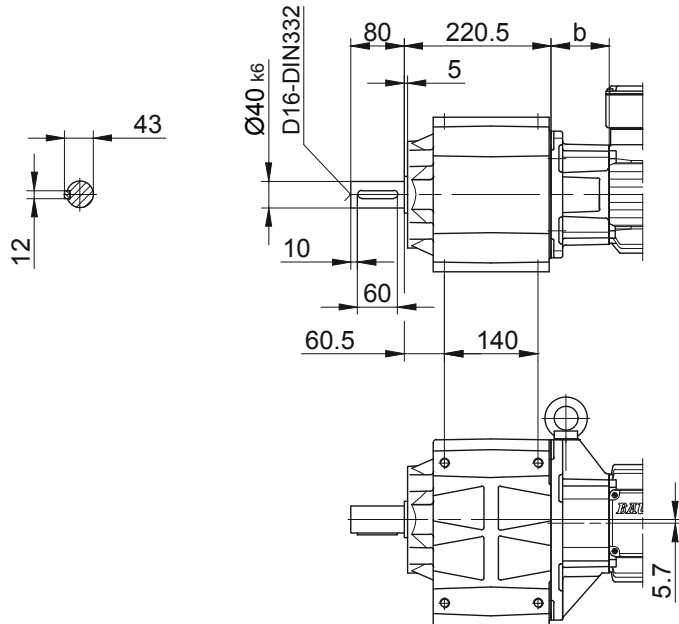
Flange with tapped holes

Code -71/



Foot with tapped holes left and right

Code -61LR/



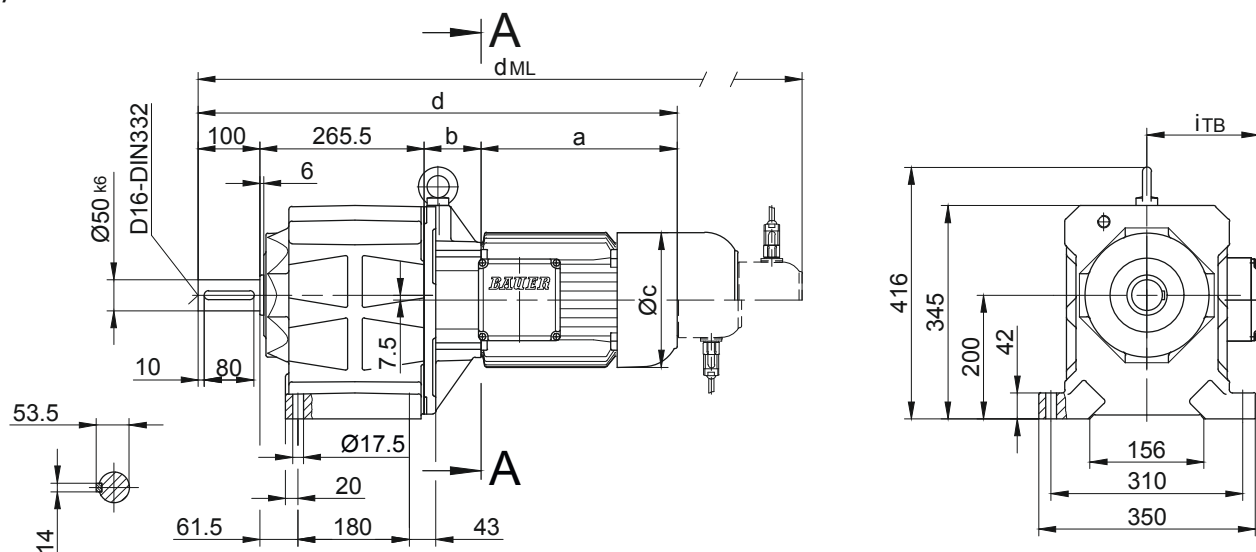
BG-series helical-geared motors

Dimension - Standard Metric

BG60 - BG60Z

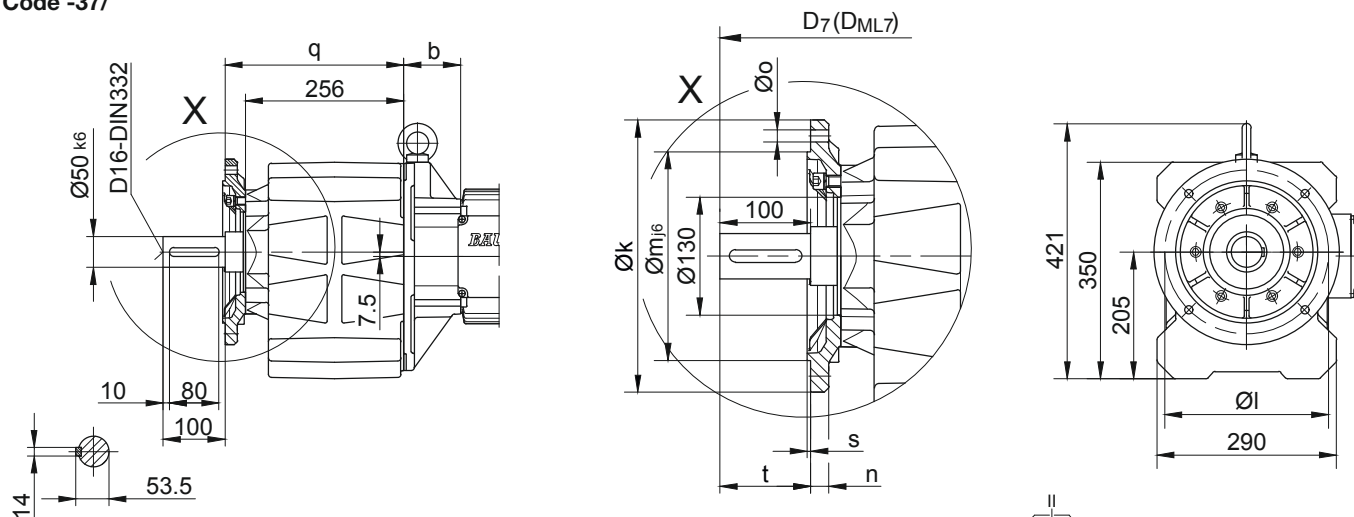
Foot mounting with clearance holes

Code -11/



Flange with clearance holes

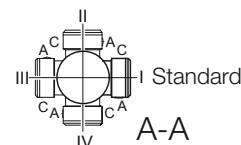
Code -37/



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 mm



Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
BG60Z-../D..08.A.	199.5	181	156	746	114.5	136.5	812	858	919.5	812
BG60Z-../D..08.B.	229.5	181	156	776	114.5	136.5	842	888	949	842
BG60-../D..09.A.	250.5	85.5	176	701.5	124	157	794.5	809	898.5	794.5
BG60Z-../D..09.A.	250.5	195.5	176	811.5	124	157	904.5	919	1008.5	904.5
BG60-../D..09.B.	308.5	85.5	176	759.5	124	157	852.5	866.5	956.5	852.5
BG60Z-../D..09.B.	308.5	195.5	176	869.5	124	157	962.5	976.5	1066.5	962.5
BG60-../D..11.A.	319	92	218	776.5	165	176	874.5	884	976.5	874.5
BG60Z-../D..11.A.	319	202	218	886.5	165	176	984.5	994	1086.5	984.5
BG60-../D..11.B.	387	92	218	844.5	165	176	940.5	952	1044.5	940.5
BG60Z-../D..11.B.	387	202	218	954.5	165	176	1050.5	1062	1154.5	1050.5
BG60-../D..13.A.	393	105	258	863.5	217	217	974.5	970.5	1075.5	971.5
BG60-../D..16.B.	454.5	119	310	939	243	243	1082.5	1046	1186	1082.5
BG60-../D..18.B.	542	141	348	1048.5	288	288	1198	1154	1301.5	1198

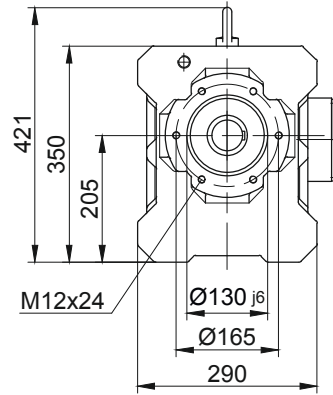
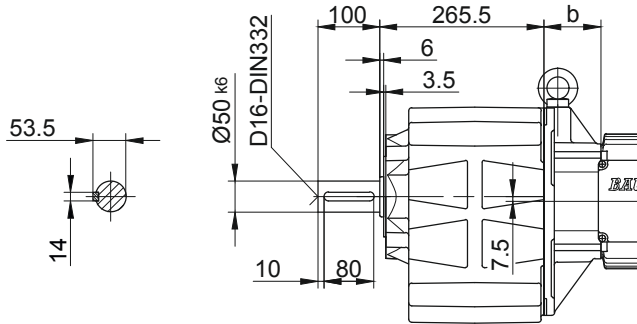
Dimensions in millimetres (mm)

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

BG60 - BG60Z

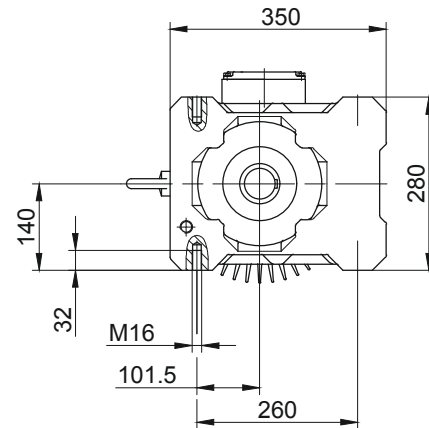
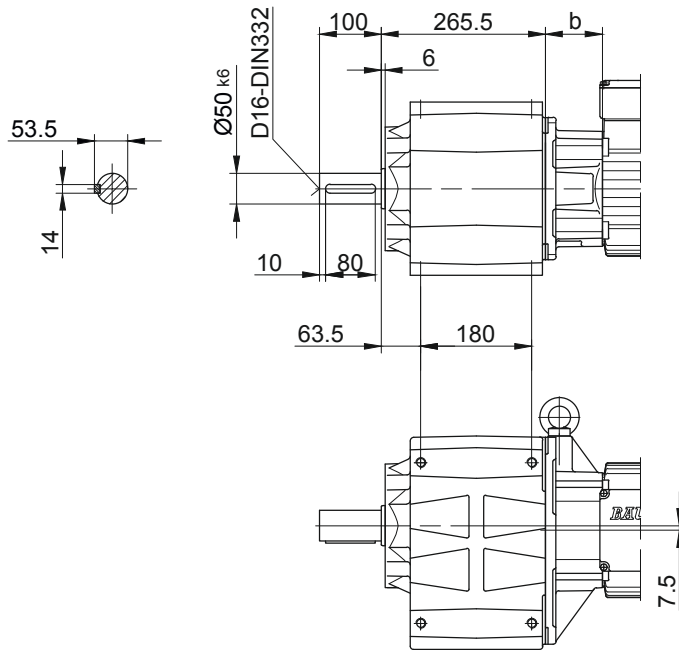
Flange with tapped holes

Code -71/



Foot with tapped holes left and right

Code -61LR/



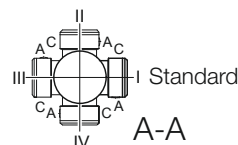
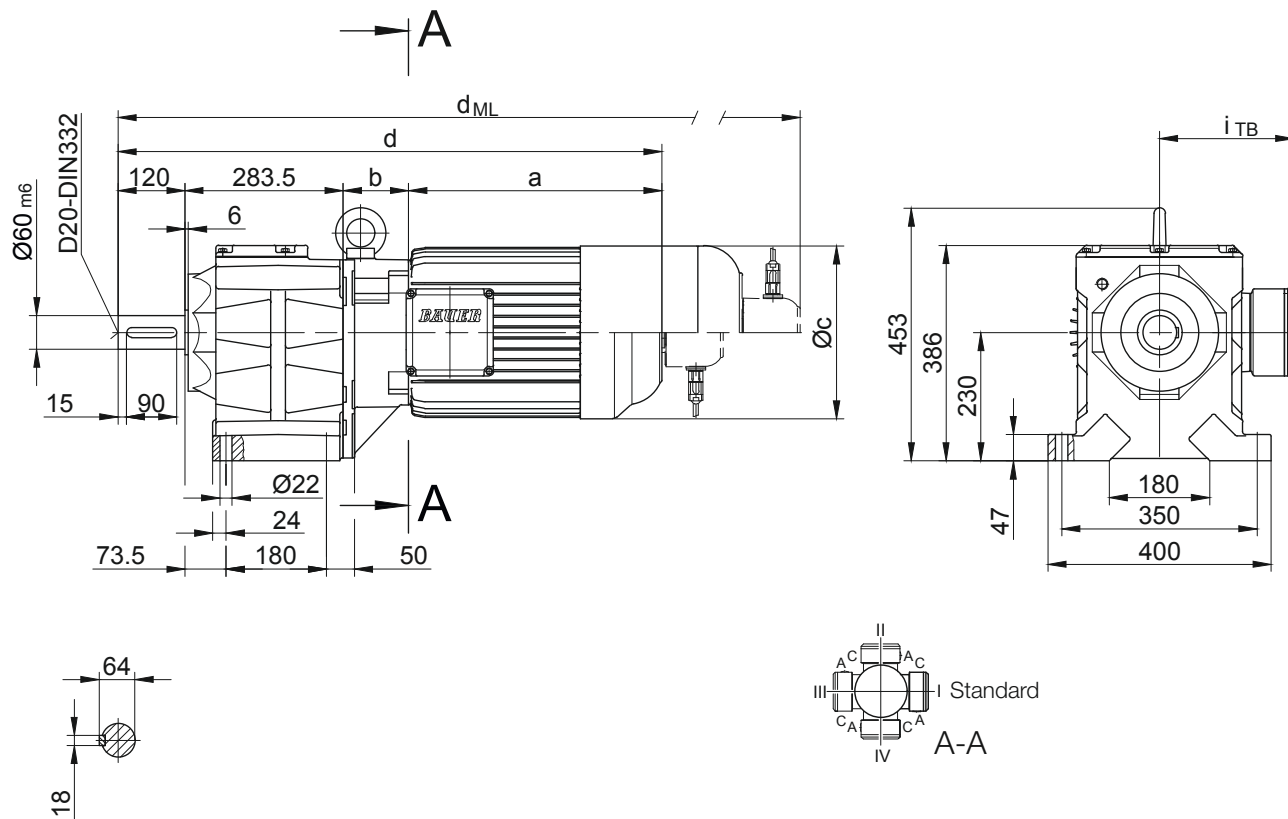
BG-series helical-geared motors

Dimension - Standard Metric

BG70 - BG70Z

Foot mounting with clearance holes

Code -11/



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 mm

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
BG70Z-../D..08.A.	199.5	202	156	805	114.5	136.5	d_{ML}	d_{ML}	d_{ML}	d_{ML}
BG70Z-../D..08.B.	229.5	202	156	835	114.5	136.5	871	917	978.5	871
BG70-../D..09.A.	250.5	83.5	176	737.5	124	157	830.5	845	934.5	830.5
BG70Z-../D..09.A.	250.5	216.5	176	870.5	124	157	963.5	978	1067.5	963.5
BG70-../D..09.B.	308.5	83.5	176	795.5	124	157	888.5	902.5	992.5	888.5
BG70Z-../D..09.B.	308.5	216.5	176	928.5	124	157	1021.5	1035.5	1125.5	1021.5
BG70-../D..11.A.	319	90	218	812.5	165	176	910.5	920	1012.5	910.5
BG70Z-../D..11.A.	319	223	218	945.5	165	176	1043.5	1053	1145.5	1043.5
BG70-../D..11.B.	387	90	218	880.5	165	176	976.5	988	1080.5	976.5
BG70Z-../D..11.B.	387	223	218	1013.5	165	176	1109.5	1121	1213.5	1109.5
BG70-../D..13.A.	393	103	258	899.5	217	217	1010.5	1006.5	1111.5	1007.5
BG70Z-../D..13.A.	393	236	258	1032.5	217	217	1143.5	1139.5	1244.5	1140.5
BG70-../D..16.B.	454.5	117	310	975	243	243	1118.5	1082	1222	1118.5
BG70Z-../D..16.B.	454.5	250	310	1108	243	243	1251.5	653.5	1355	1251.5
BG70-../D..18.B.	542	139	348	1084.5	288	288	1234	1190	1337.5	1234
BG70Z-../D..18.B.	542	272	348	1217.5	288	288	1367	1323	1470.5	1367
BG70-../D..20.A.	703.5	156	363	1263	280	280	1390.5	1368.5	1496	1263
BG70-../D..22.A.	703.5	156	363	1263	280	280	1390.5	1368.5	1496	1263

Dimensions in millimetres (mm)

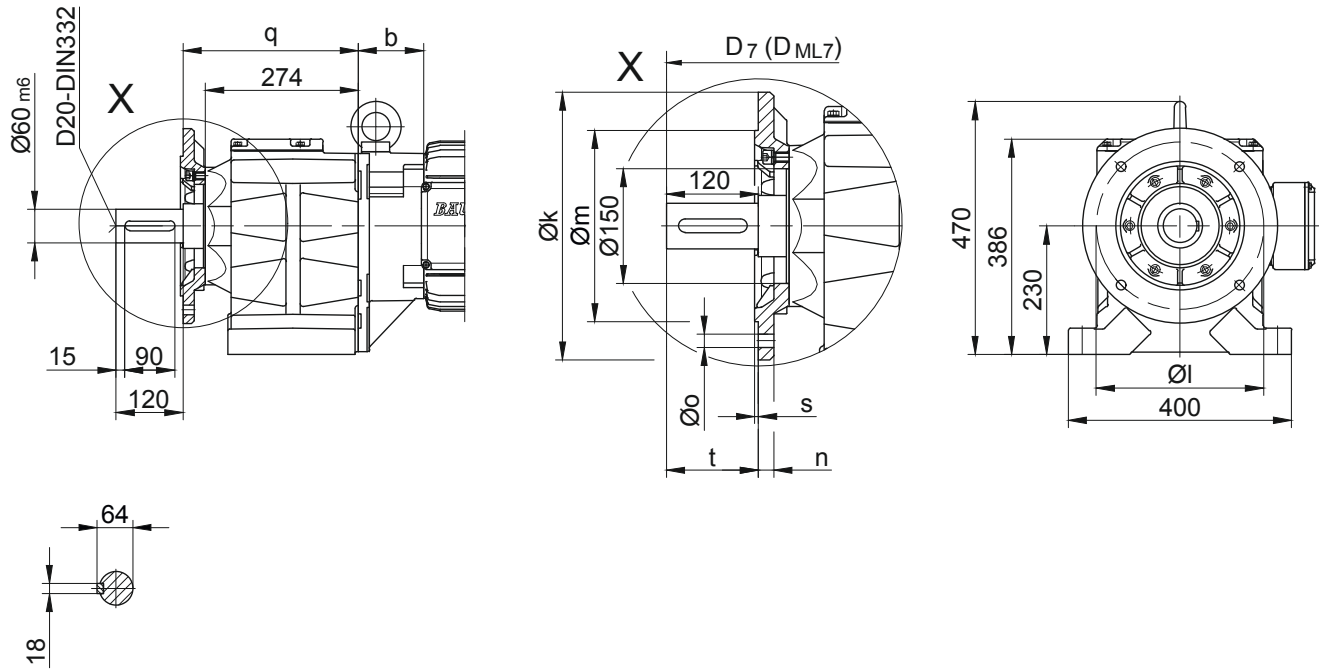
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG70 - BG70Z

Flange with clearance holes

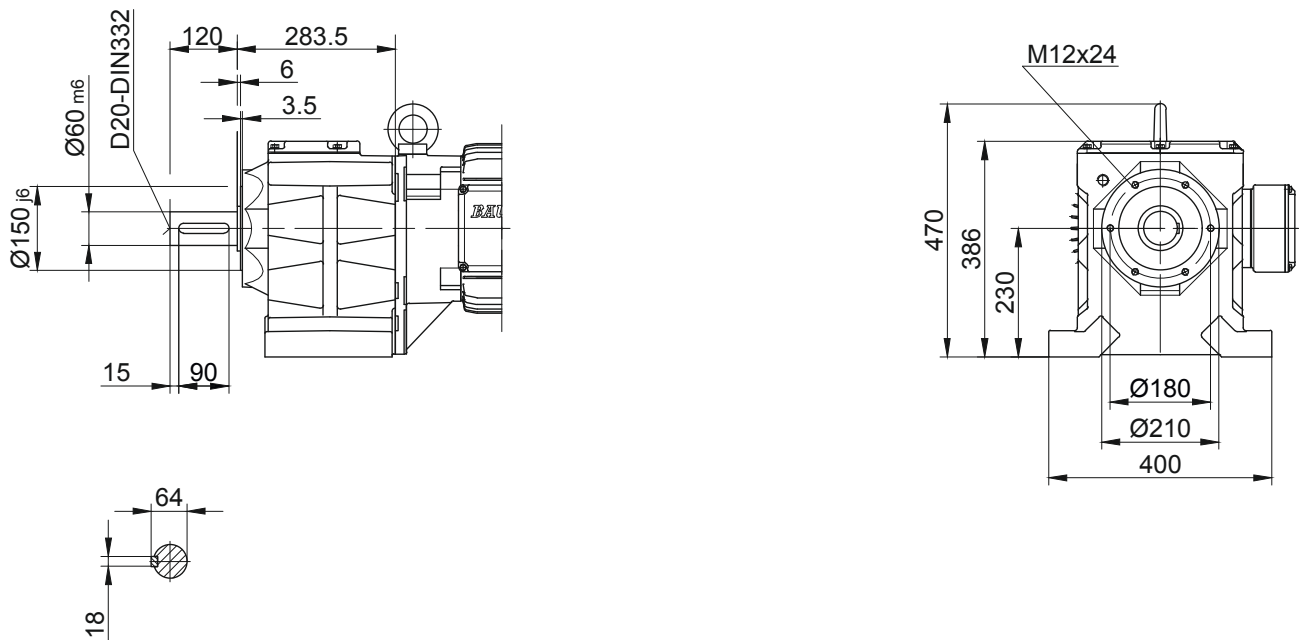
Code -37/

(Code -27/)



Flange with clearance holes

Code -71/



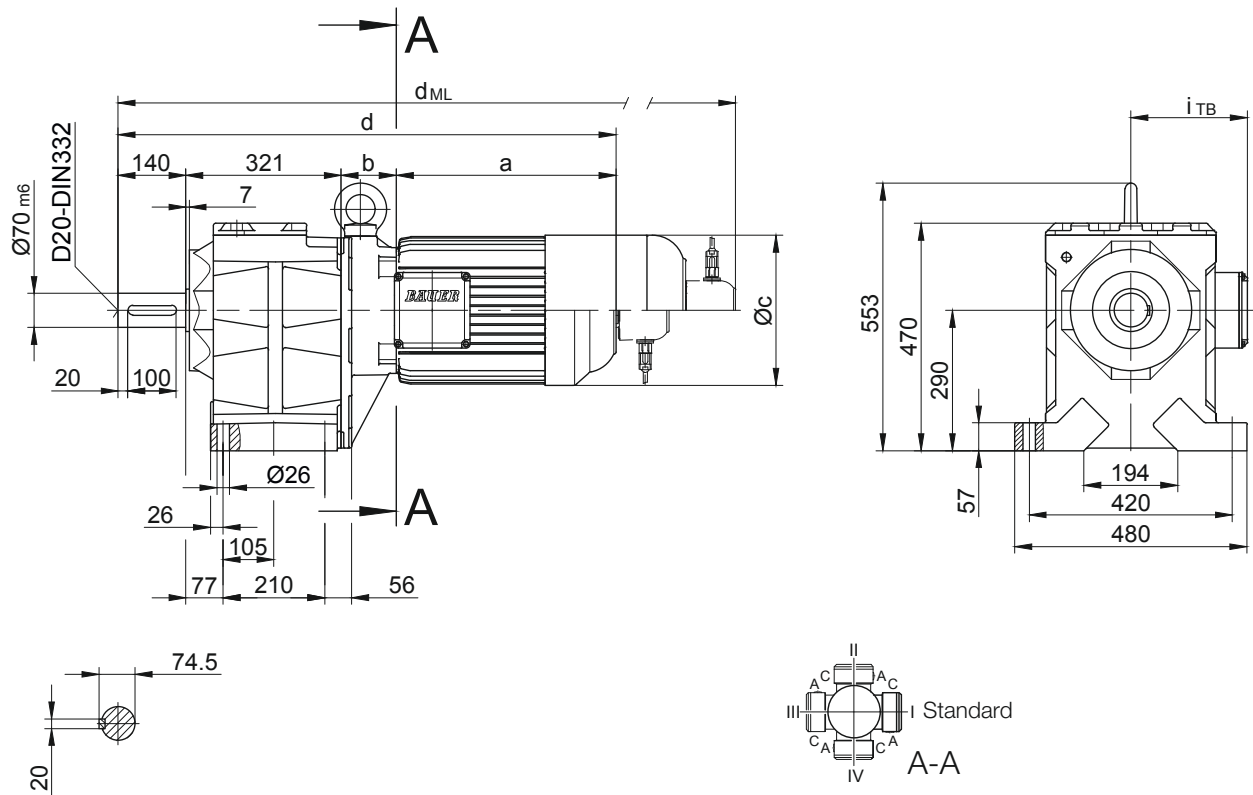
BG-series helical-geared motors

Dimension - Standard Metric

BG80 - BG80Z

Foot mounting with clearance holes

Code -11/



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 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-../D..09.A.	250.5	252.5	176	964	124	157	1057	1071.5	1161	1057
BG80Z-../D..09.B.	308.5	252.5	176	1022	124	157	1115	1129	1219	1115
BG80-../D..11.A.	319	87	218	867	165	176	965	974.5	1067	965
BG80Z-../D..11.A.	319	259	218	1039	165	176	1137	1146.5	1067	965
BG80-../D..11.B.	387	87	218	935	165	176	1031	1042.5	1135	1031
BG80Z-../D..11.B.	387	259	218	1107	165	176	1203	1214.5	1307	1203
BG80-../D..13.A.	393	100	258	954	217	217	1065	1061	1166	1062
BG80Z-../D..13.A.	393	272	258	1126	217	217	1237	1233	1338	1234
BG80-../D..16.B.	454.5	114	310	1029.5	243	243	1173	1136.5	1276.5	1173
BG80Z-../D..16.B.	454.5	286	310	1201.5	243	243	1345	1308.5	1448.5	1345
BG80-../D..18.B.	542	136	348	1139	288	288	1195	1158.5	1298.5	1195
BG80Z-../D..18.B.	542	308	348	1311	288	288	1367	1330.5	1470.5	1367
BG80-../D..20.A.	703.5	153	363	1317.5	280	280	1445	1423	1550.5	1317.5
BG80-../D..22.A.	703.5	153	363	1317.5	280	280	1445	1423	1550.5	1317.5

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 Metric

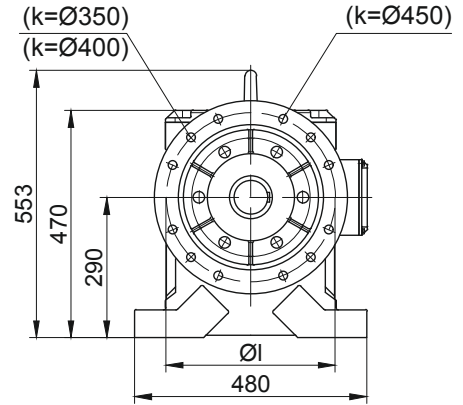
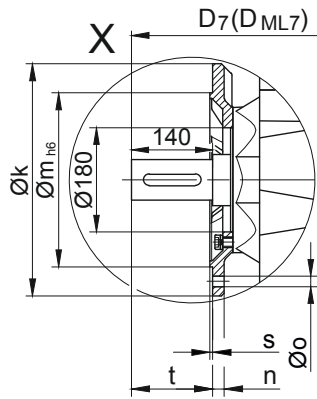
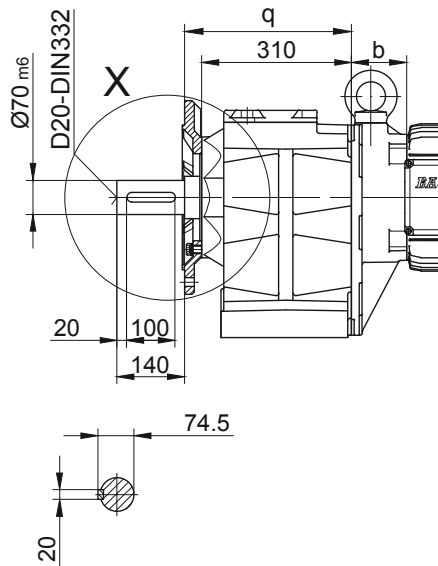
BG80 - BG80Z

Flange with clearance holes

Code -37/

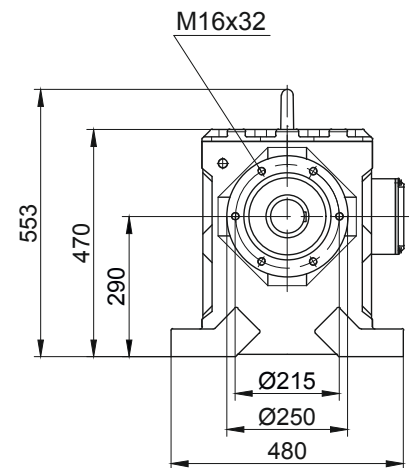
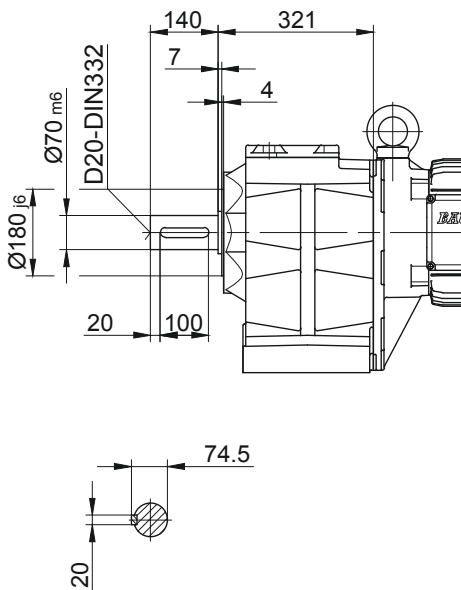
(Code -27/)

(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.

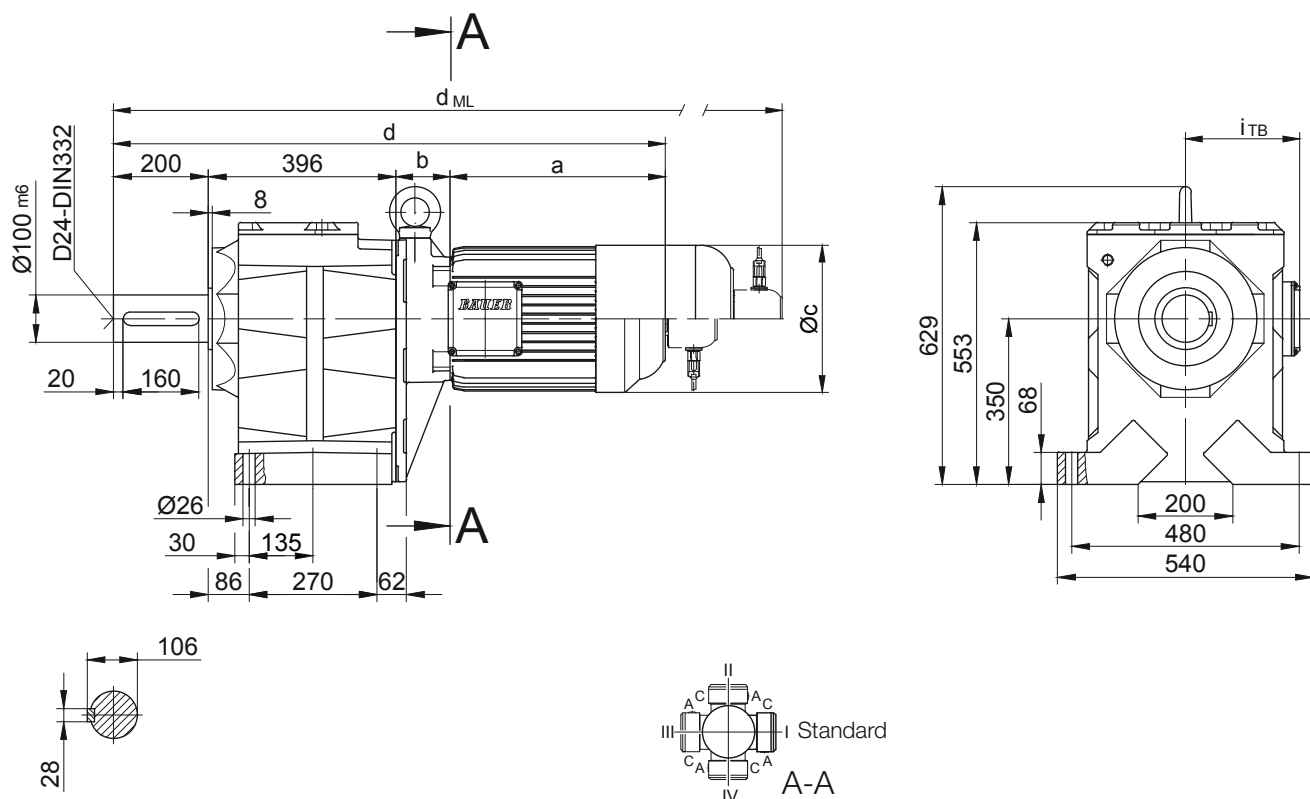
BG-series helical-geared motors

Dimension - Standard Metric

BG90 - BG90Z

Foot mounting with clearance holes

Code -11/



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 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-../D..09.A.	250.5	267	176	1113.5	124	157	1206.5	1221	1310.5	1206.5
BG90Z-../D..09.B.	308.5	267	176	1171.5	124	157	1264.5	1278.5	1368.5	1264.5
BG90Z-../D..11.A.	319	273.5	218	1188.5	165	176	1286.5	1296	1388.5	1286.5
BG90Z-../D..11.B.	387	273.5	218	1256.5	165	176	1352.5	1364	1456.5	1352.5
BG90-../D..13.A.	393	100	258	1089	217	217	1200	1196	1301	1197
BG90Z-../D..13.A.	393	286.5	258	1275.5	217	217	1386.5	1382.5	1487.5	1383.5
BG90-../D..16.B.	454.5	114	310	1164.5	243	243	1308	1271.5	1411.5	1308
BG90Z-../D..16.B.	454.5	300.5	310	1351	243	243	1494.5	1458	1598	1494.5
BG90-../D..18.B.	542	136	348	1274	288	288	1423.5	1379.5	1527	1423.5
BG90Z-../D..18.B.	542	322.5	348	1460.5	288	288	1610	1566	1713.5	1610
BG90-../D..20.A.	703.5	153	363	1452.5	280	280	1580	1498	1685.5	1452.5
BG90-../D..22.A.	703.5	153	363	1452.5	280	280	1580	1558	1685.5	1452.5

Dimensions in millimetres (mm)

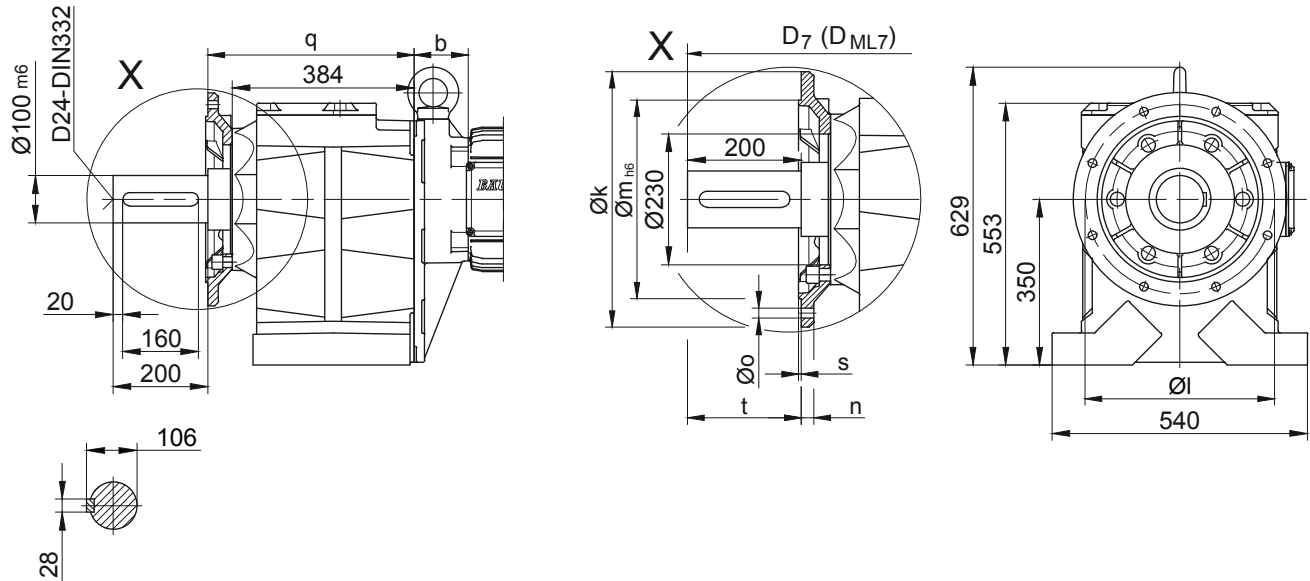
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG90 - BG90Z

Flange with clearance holes

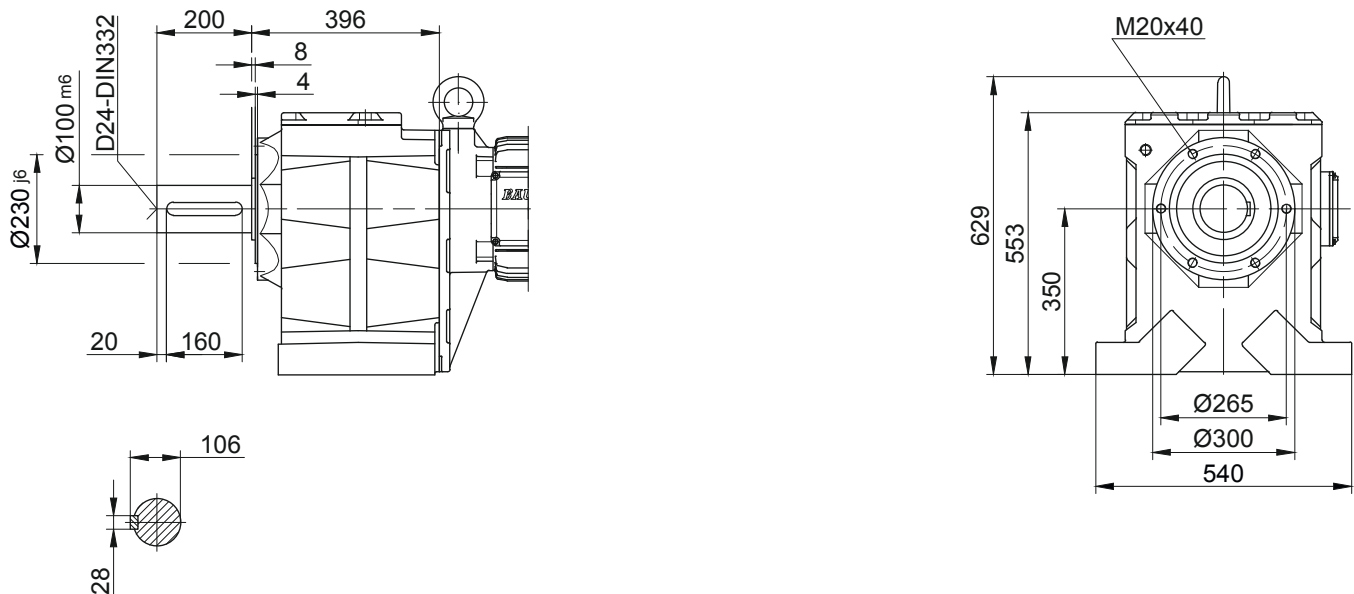
Code -37/

(Code -47/)



Flange with tapped holes

Code -71/



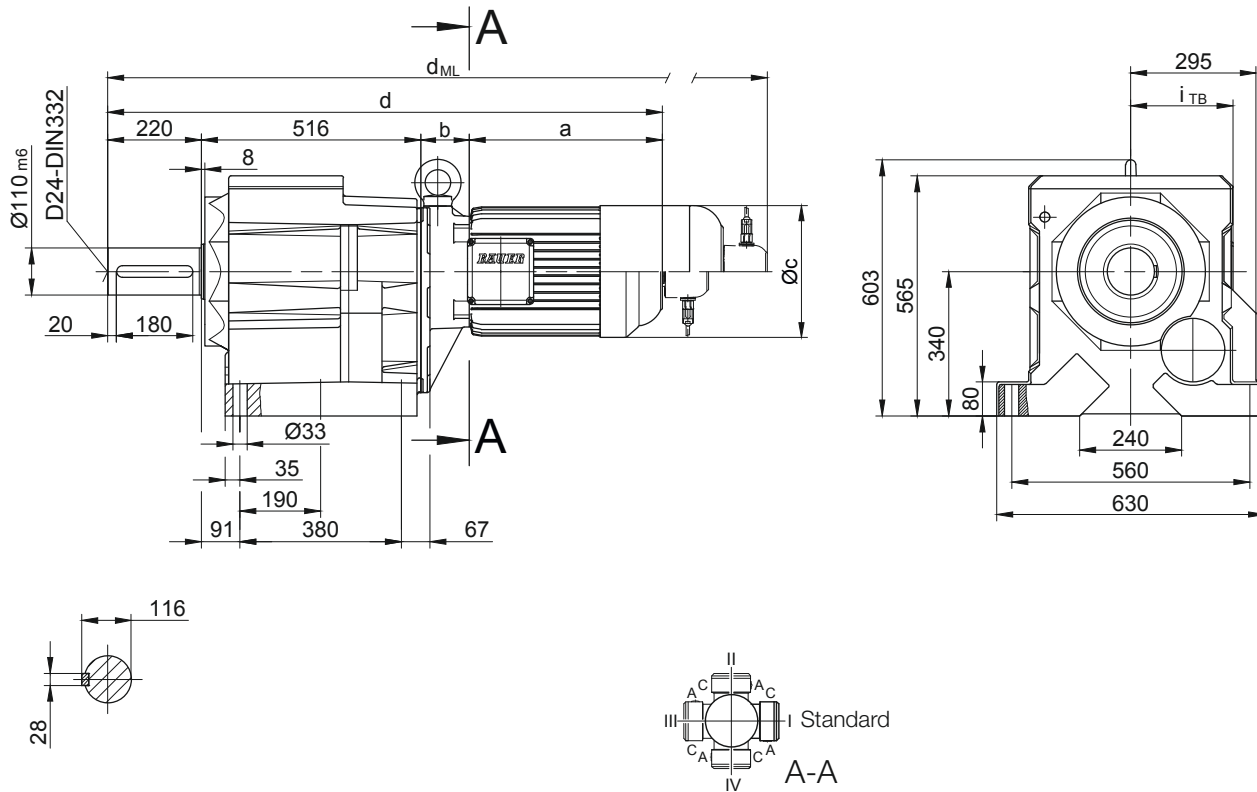
BG-series helical-geared motors

Dimension - Standard Metric

BG100 - BG100Z

Foot mounting with clearance holes

Code -11/



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 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-../D..09.A.	250.5	252.5	176	1239	124	157	1332	1346.5	1436	1332
BG100Z-../D..09.B.	308.5	252.5	176	1297	124	157	1390	1404	1494	1390
BG100-../D..11.A.	319	87	218	1142	165	176	1240	1249.5	1342	1240
BG100Z-../D..11.A.	319	259	218	1314	165	176	1412	1421.5	1514	1412
BG100-../D..11.B.	387	87	218	1210	165	176	1306	1317.5	1410	1306
BG100Z-../D..11.B.	387	259	218	1382	165	176	1478	1489.5	1582	1478
BG100-../D..13.A.	393	100	258	1229	217	217	1340	1336	1441	1337
BG100Z-../D..13.A.	393	272	258	1401	217	217	1512	1508	1613	1509
BG100-../D..16.B.	454.5	114	310	1304.5	243	243	1448	1411.5	1551.5	1448
BG100Z-../D..16.B.	454.5	286	310	1476.5	243	243	1620	1583.5	1723.5	1620
BG100-../D..18.B.	542	136	348	1414	288	288	1470	1519.5	1573.5	1470
BG100Z-../D..18.B.	542	308	348	1586	288	288	1735.5	1691.5	1839	1735.5
BG100-../D..20.A.	703.5	153	363	1592.5	280	280	1720	1698	1825.5	1592.5
BG100-../D..22.A.	703.5	153	363	1592.5	280	280	1720	1698	1825.5	1592.5

Dimensions in millimetres (mm)

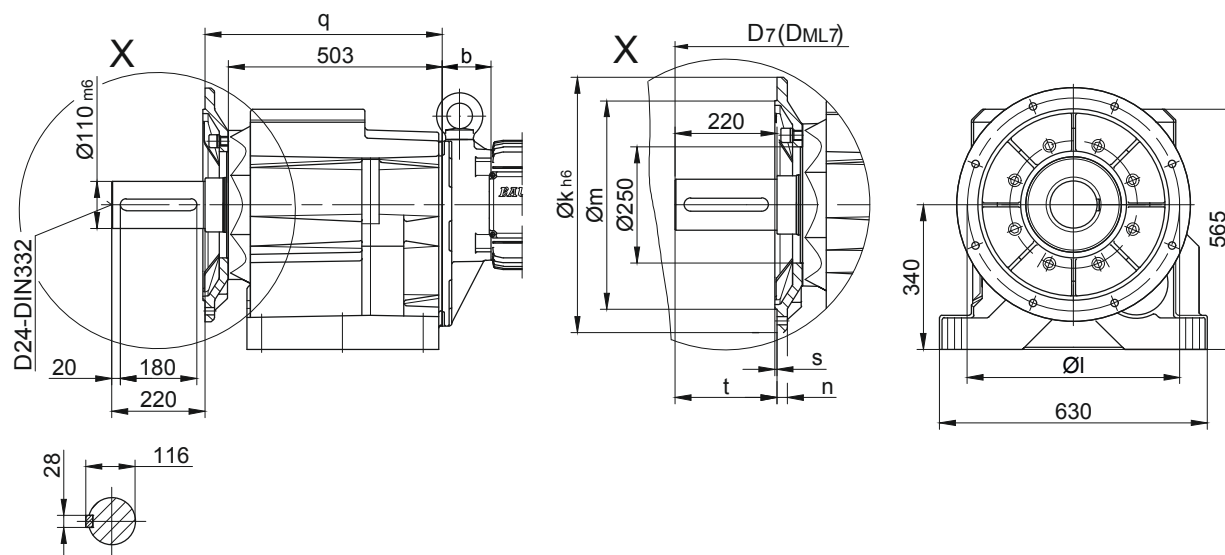
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BG100 - BG100Z

Flange with clearance holes

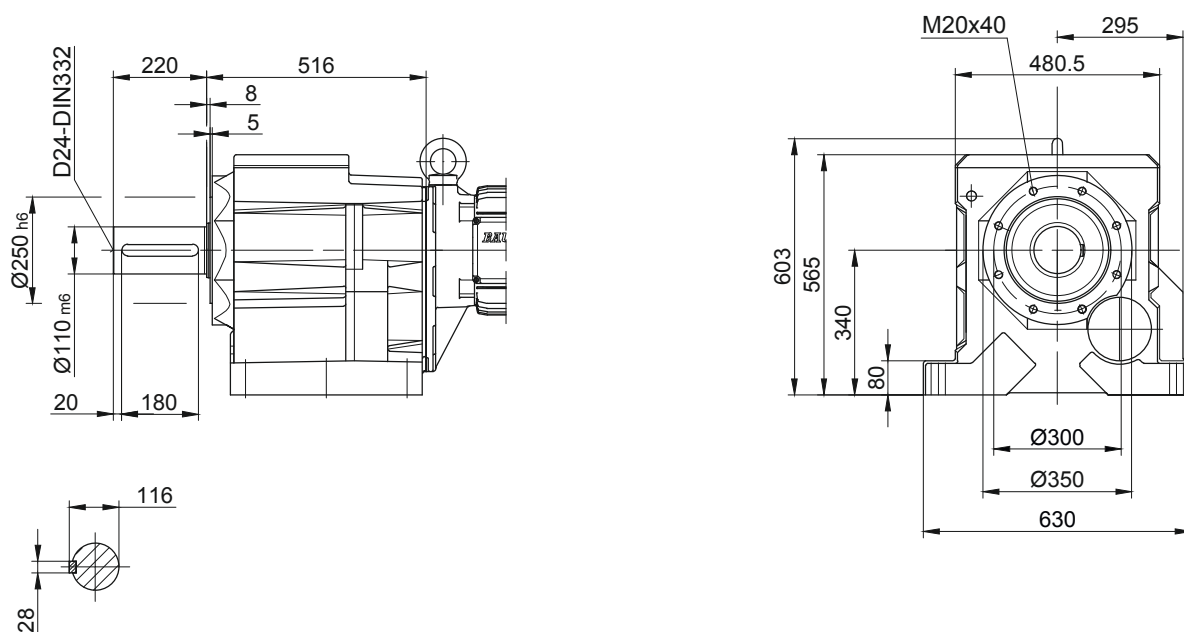
Code -37/

(Code -47/)



Flange with tapped holes

Code -71/



Energy Efficient Geared Motors

AC Line Operated / North America

10

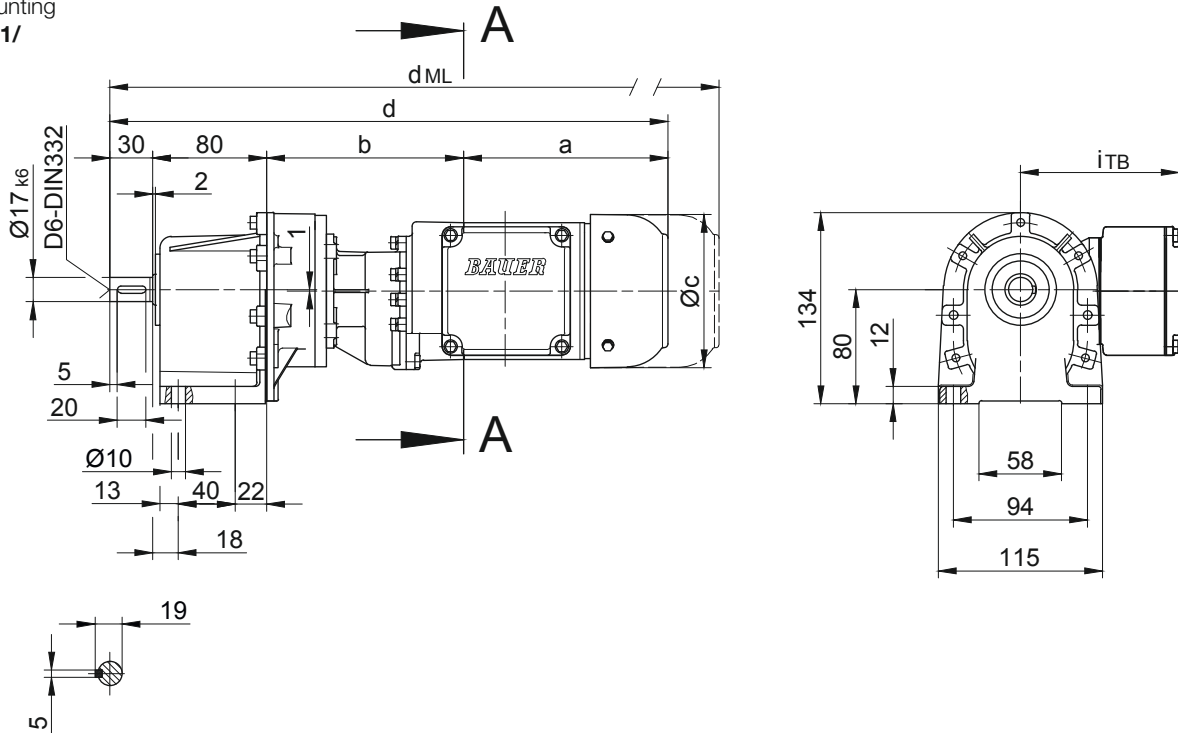
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG06G04

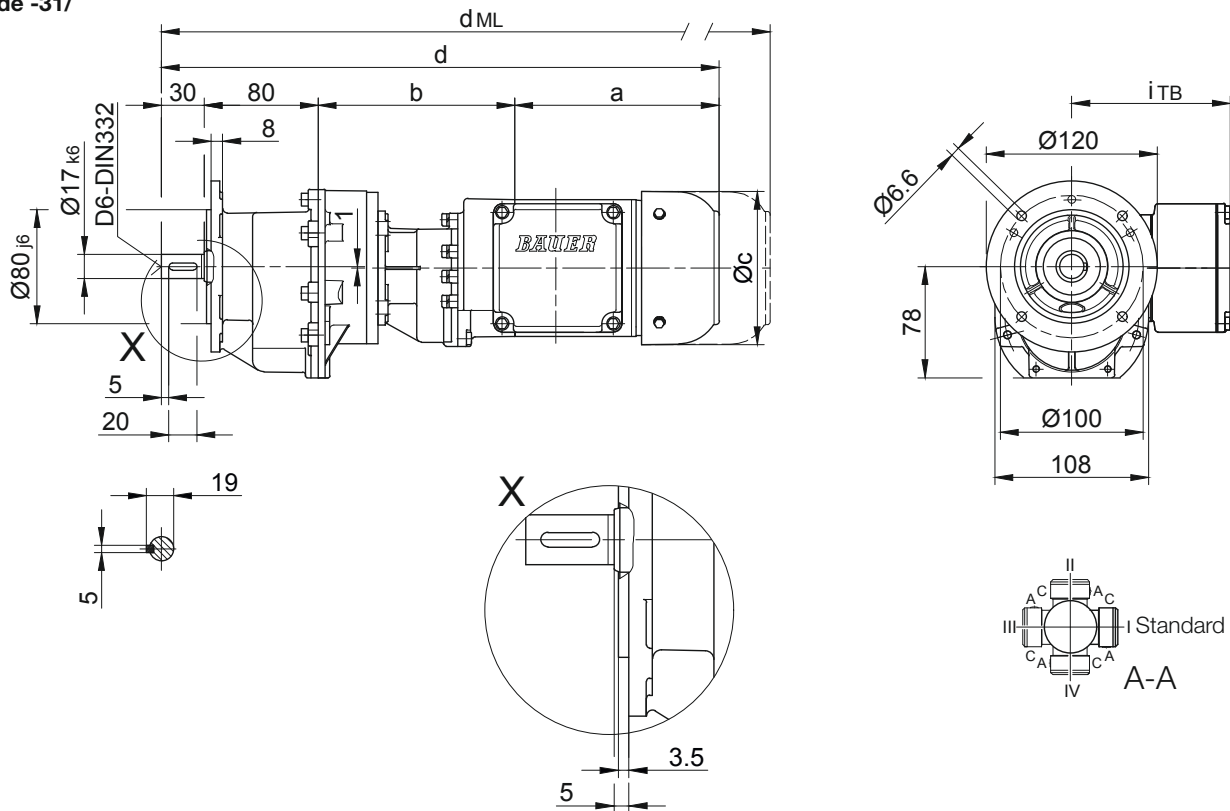
Foot mounting

Code -11/



Flange with clearance holes

Code -31/



10

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
BG06G04-../D04.A.	142.5	134	110.5	386.5	90	112	d _{ML}	d _{ML}	d _{ML}	d _{ML}
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.

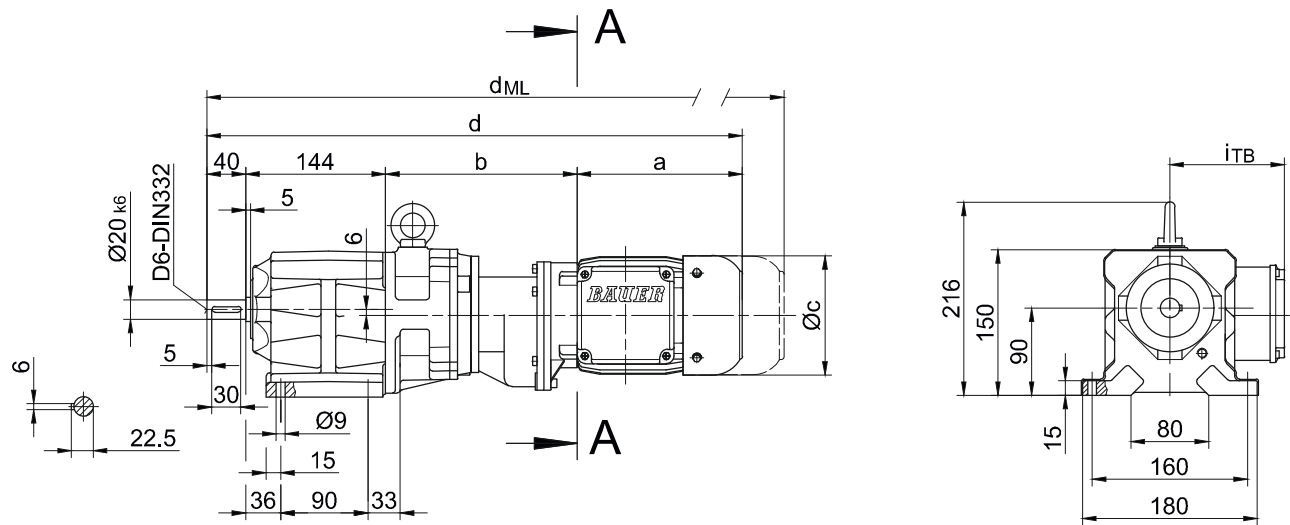
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG10G06

Foot mounting with clearance holes

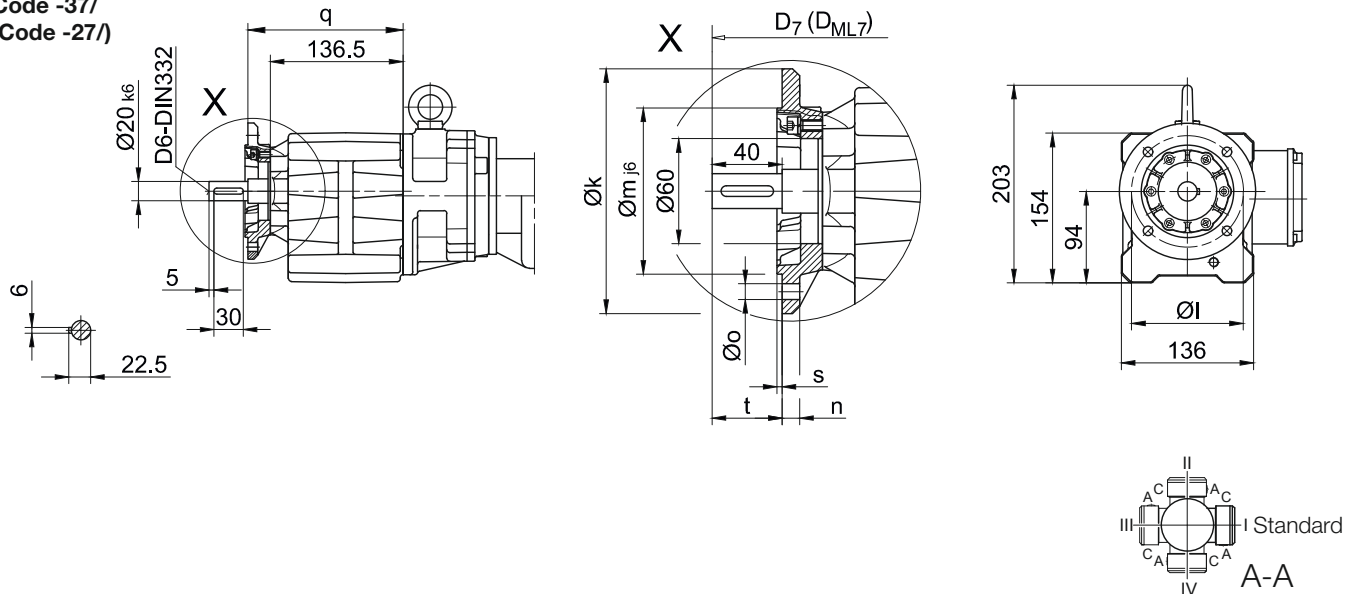
Code -11/



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
BG10G06-.../D04.A.	142.5	195	110.5	521.5	90	112	565	609	652.5	-
BG10G06-.../D..05.A.	170.5	197	123	551.5	101	117	593.5	654	691.5	-
BG10G06-.../D..06.A.	170.5	197	123	551.5	99	119	593.5	654	691.5	-
BG10G06-.../D..07.A.	190.5	197	123	571.5	99	119	613.5	674	711.5	-
BG10G06-.../D..08.A.	199.5	241	156	624.5	114.5	136.5	690.5	736.5	798	690.5
BG10G06-.../D..08.B.	229.5	241	156	654.5	114.5	136.5	720.5	766.5	827.5	720.5

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.

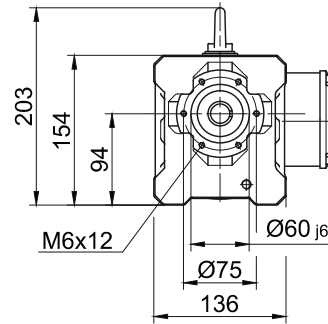
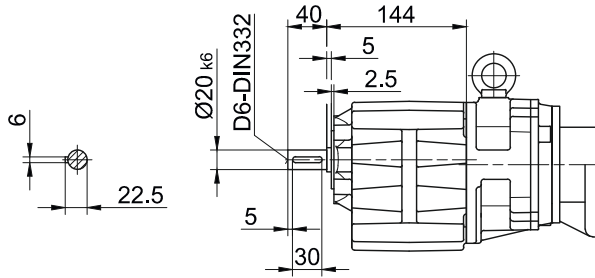
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG10G06

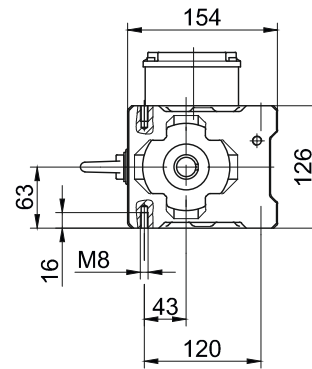
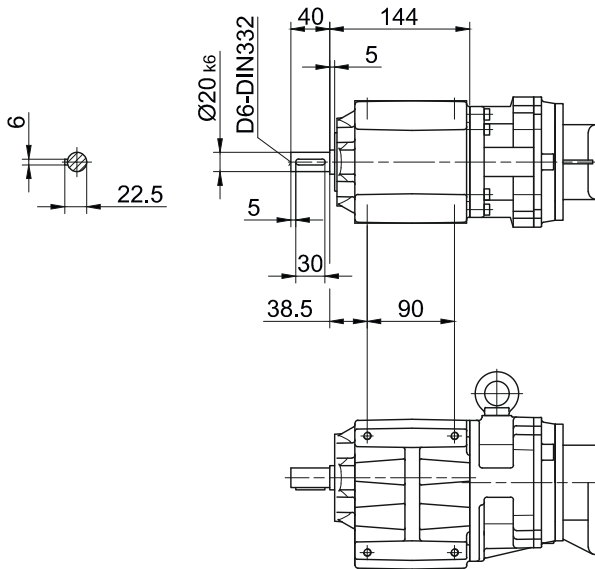
Flange with tapped holes

Code -71/



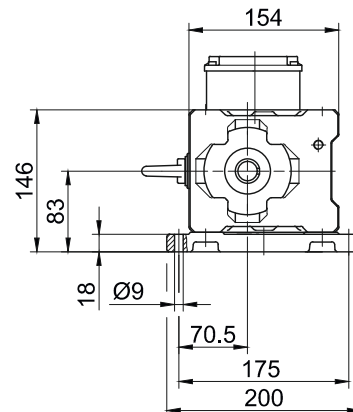
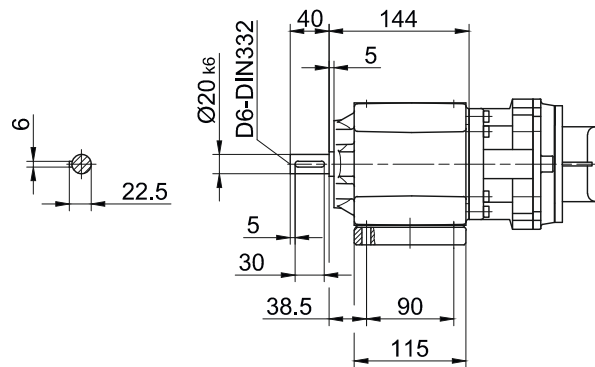
Foot with tapped holes left and right

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.

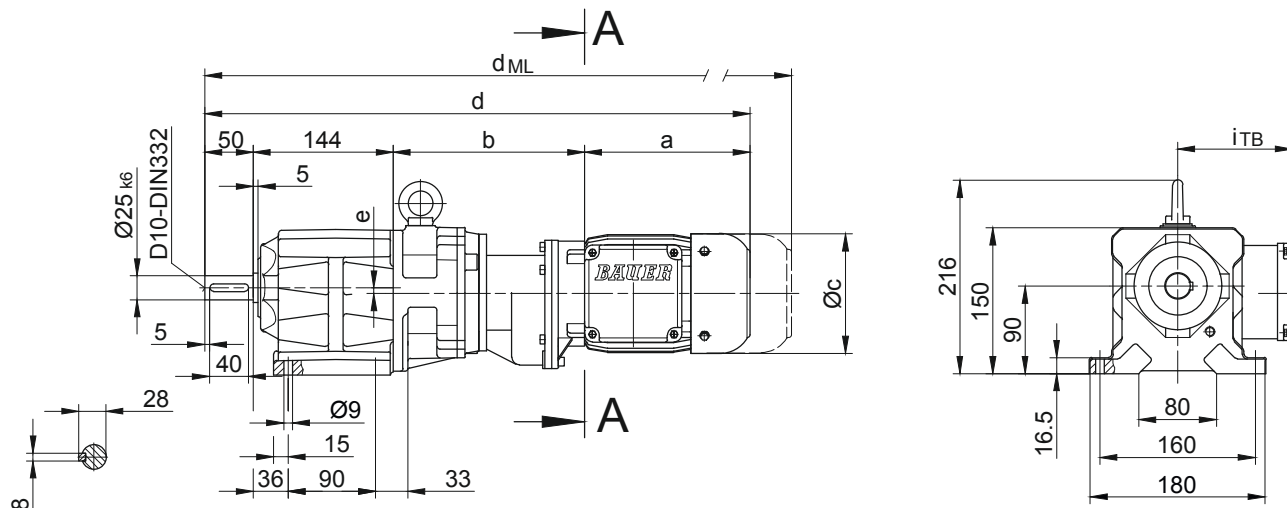
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG10XG06

Foot mounting with clearance holes

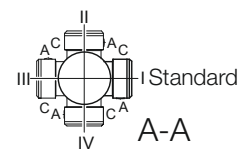
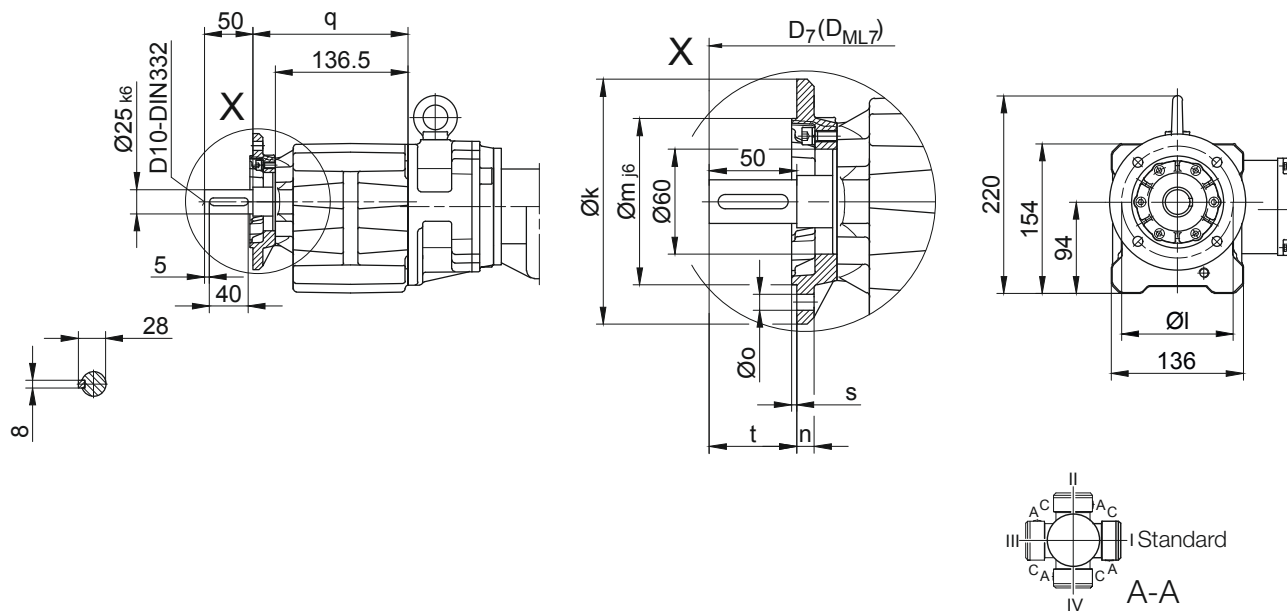
Code -11/



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
BG10XG06-../D04.A.	142.5	195	110.5	531.5	90	112	d_{ML} 575	d_{ML} 619	d_{ML} 662.5	-
BG10XG06-../D..05.A.	170.5	197	123	561.5	101	117	603.5	664	701.5	-
BG10XG06-../D..06.A.	170.5	197	123	561.5	99	119	603.5	664	701.5	-
BG10XG06-../D..07.A.	190.5	197	123	581.5	99	119	623.5	684	721.5	-
BG10XG06-../D..08.A.	199.5	241	156	634.5	114.5	136.5	700.5	746.5	808	700.5
BG10XG06-../D..08.B.	229.5	241	156	664.5	114.5	136.5	730.5	776.5	837.5	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.

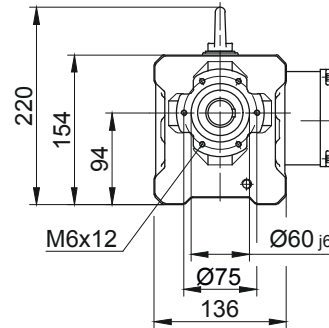
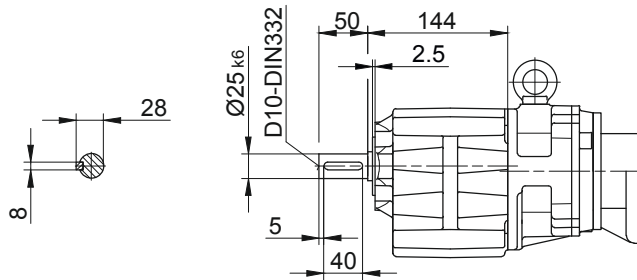
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG10XG06

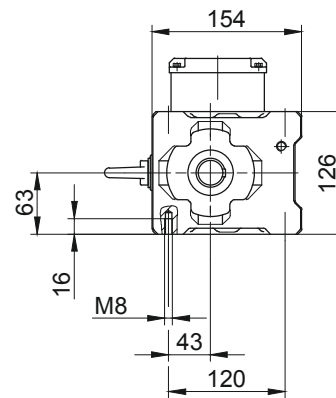
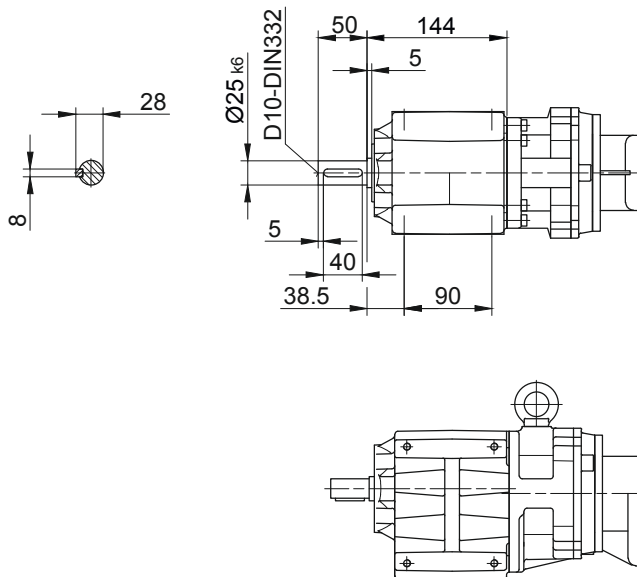
Flange with tapped holes

Code -71/



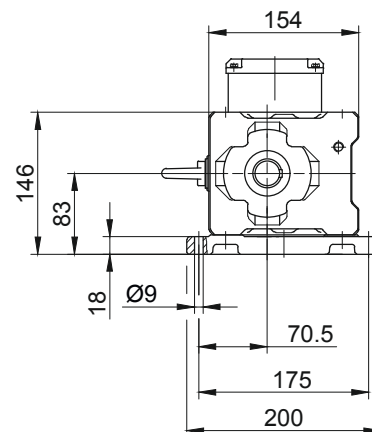
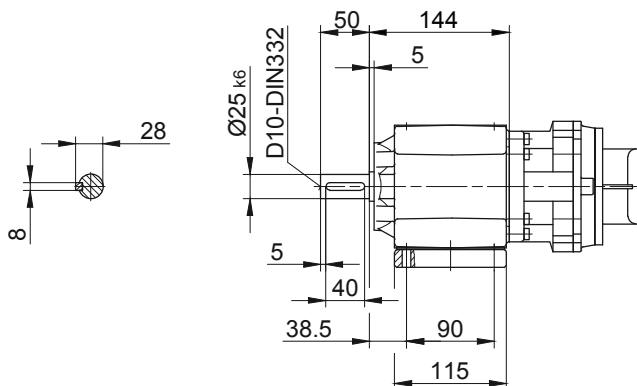
Foot with tapped holes left and right

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.

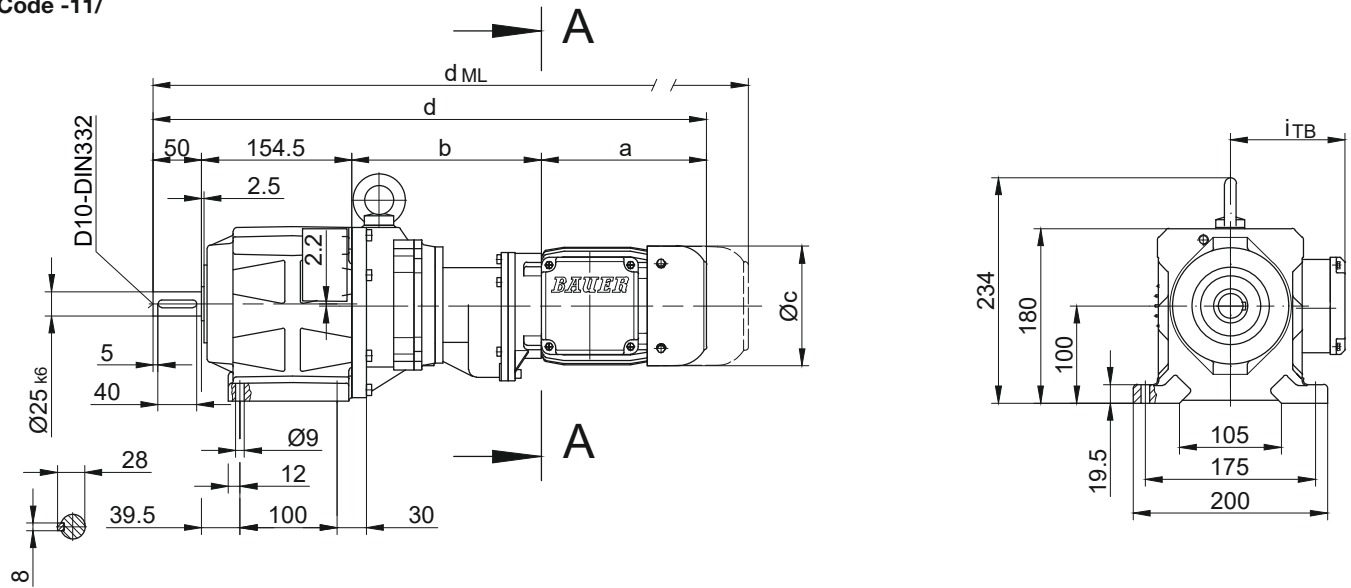
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG20G06

Foot mounting with clearance holes

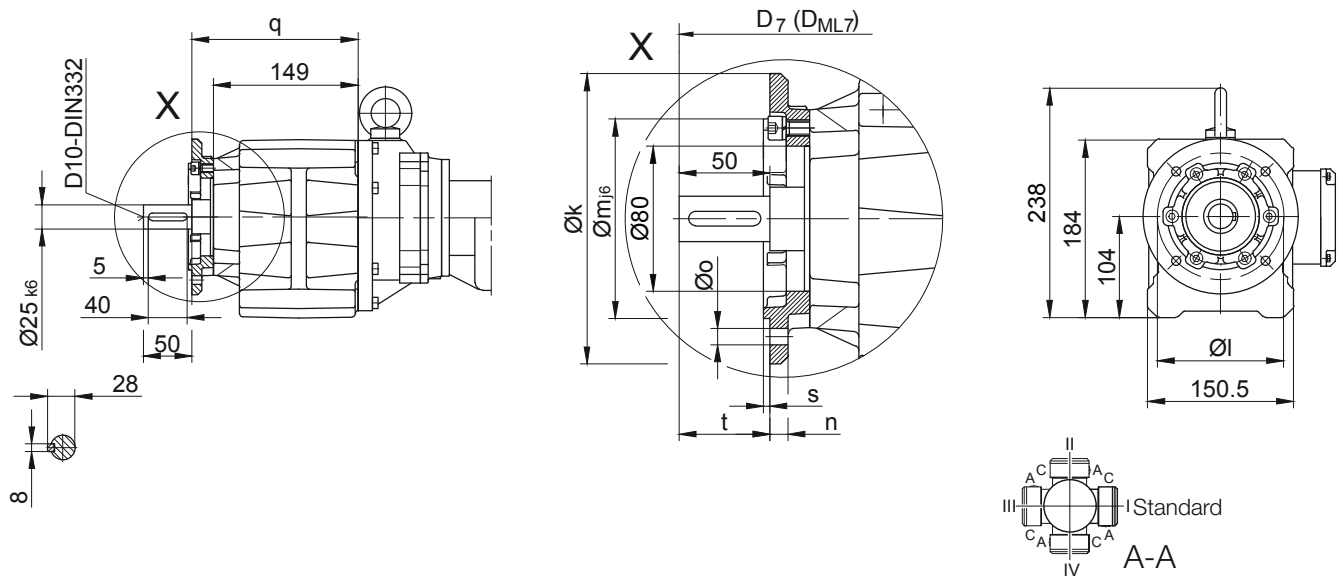
Code -11/



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
BG20G06-.../D04.A.	142.5	193	110.5	540	90	112	d_{ML} 583.5	d_{ML} 627.5	d_{ML} 671	-
BG20G06-.../D..05.A.	170.5	195	123	570	101	117	612	672.5	710	-
BG20G06-.../D..06.A.	170.5	195	123	570	99	119	612	672.5	710	-
BG20G06-.../D..07.A.	190.5	195	123	590	99	119	632	692.5	730	-
BG20G06-.../D..08.A.	199.5	239	156	643	114.5	136.5	709	755	816.5	709
BG20G06-.../D..08.B.	229.5	239	156	673	114.5	136.5	739	785	846	739

Dimensions in millimetres (mm)

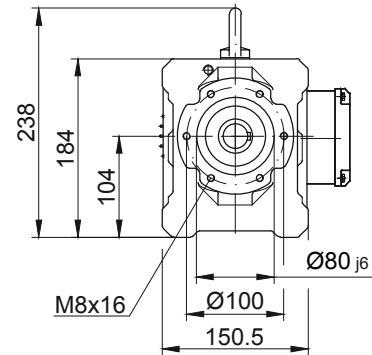
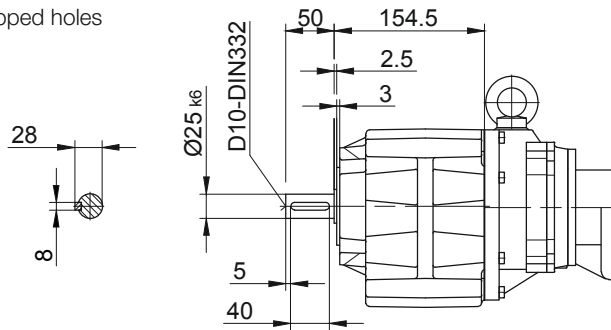
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension - Tandem Gearbox Metric

BG20G06

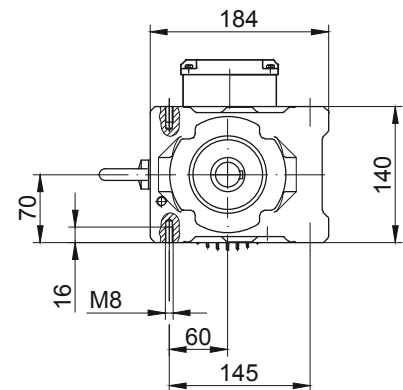
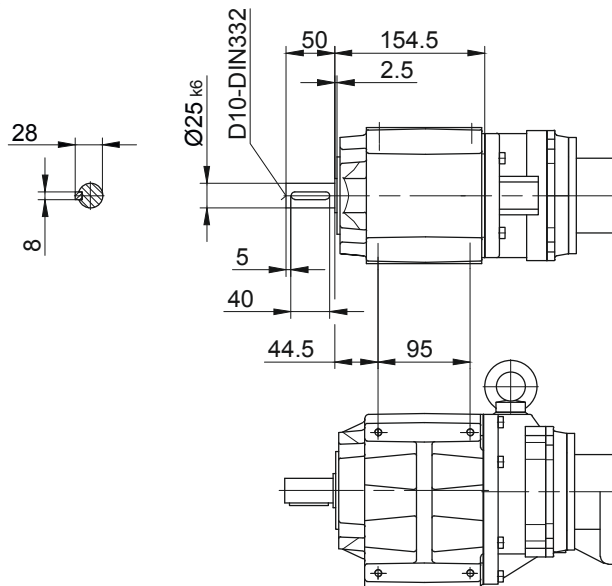
Flange with tapped holes

Code -71/



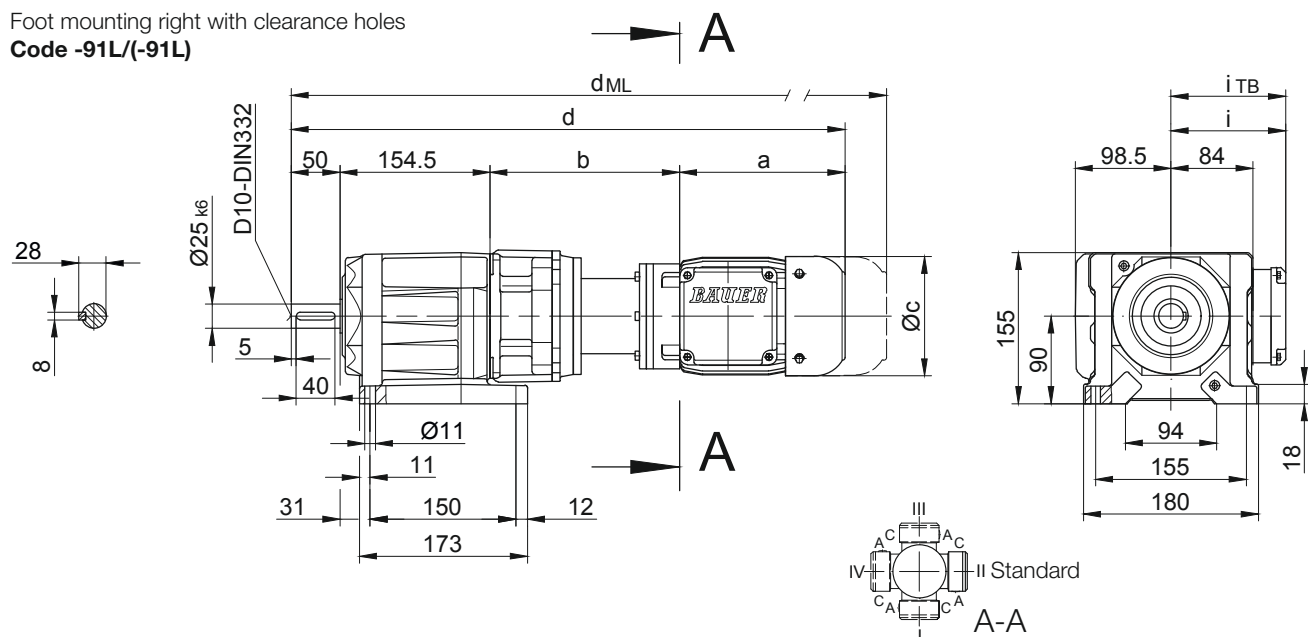
Foot with tapped holes left and right

Code -61LR/



Foot mounting right with clearance holes

Code -91L/(-91L)



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.

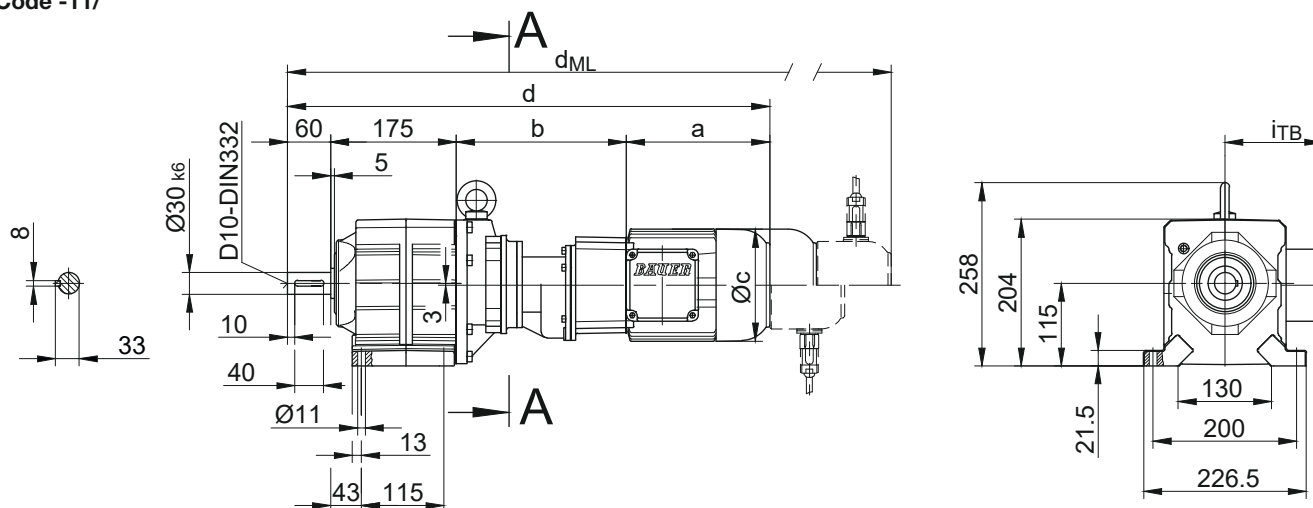
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG30G06

Foot mounting with clearance holes

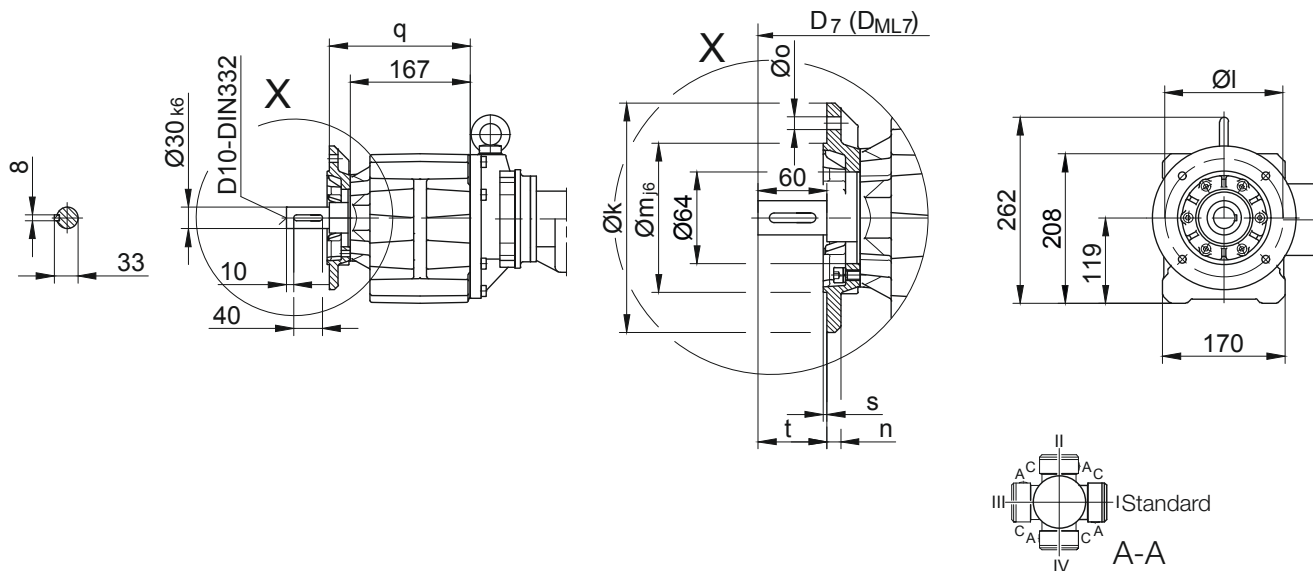
Code -11/



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	Back Stop
BG30G06-.../D04.A.	142.5	191	110.5	568.5	90	112	d _{ML}	d _{ML}	d _{ML}
BG30G06-.../D..05.A.	170.5	193	123	598.5	101	117	612	656	699.5
BG30G06-.../D..06.A.	170.5	193	123	598.5	99	119	640.5	701	738.5
BG30G06-.../D..07.A.	190.5	193	123	618.5	99	119	660.5	721	758.5
BG30G06-.../D..08.A.	199.5	237	156	671.5	114.5	136.5	737.5	783.5	845
BG30G06-.../D..08.B.	229.5	237	156	701.5	114.5	136.5	767.5	813.5	874.5

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.

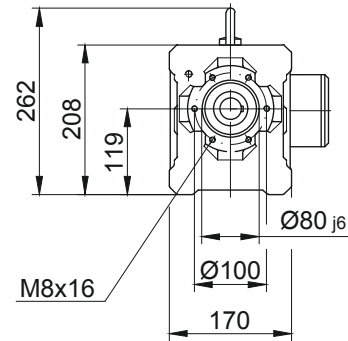
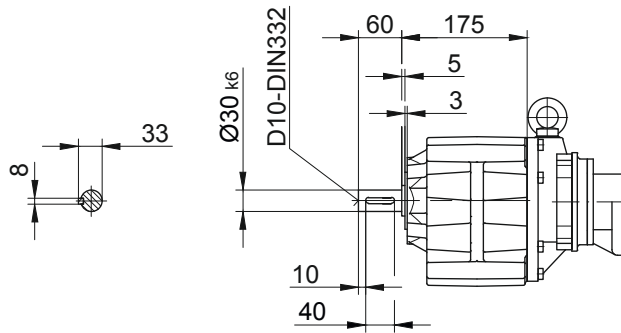
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG30G06

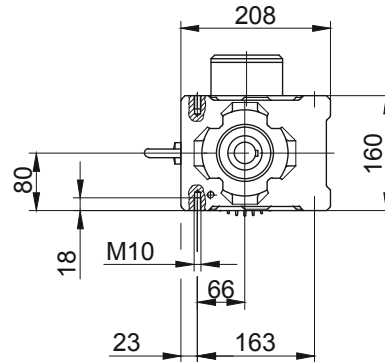
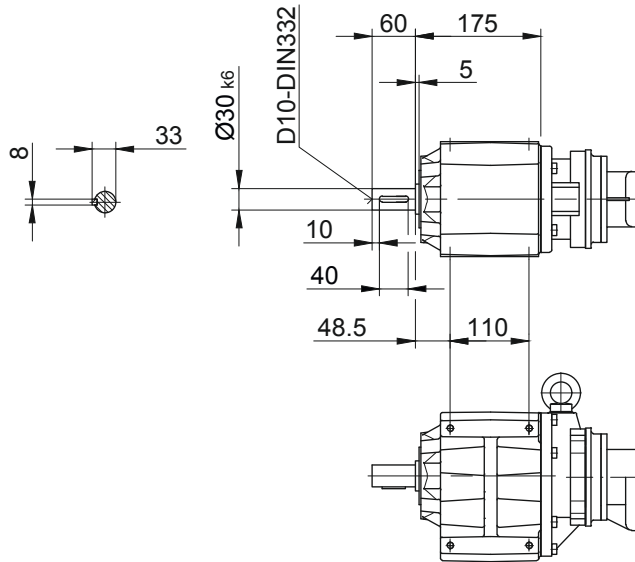
Flange with tapped holes

Code -71/



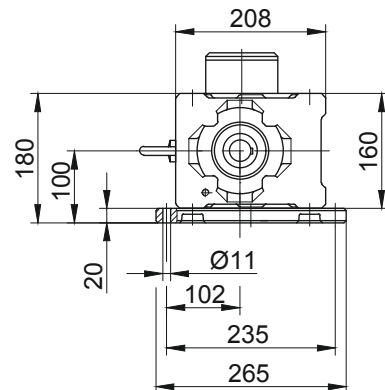
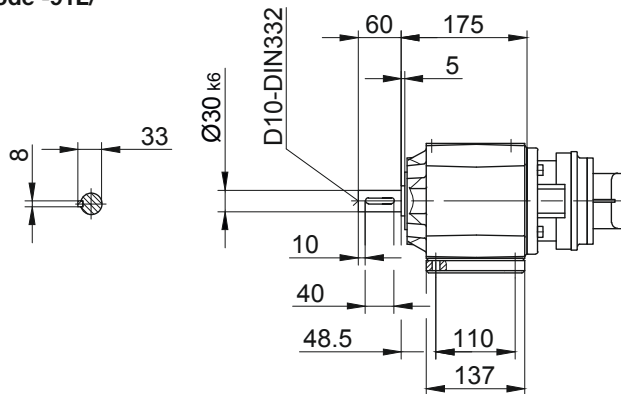
Foot with tapped holes left and right

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.

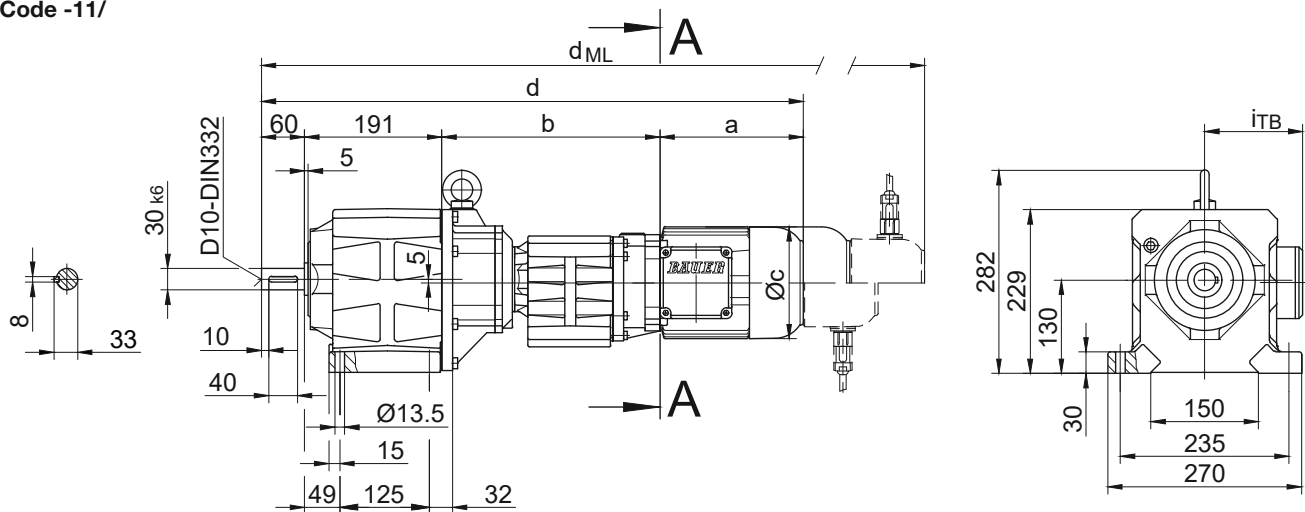
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG40G10

Foot mounting with clearance holes

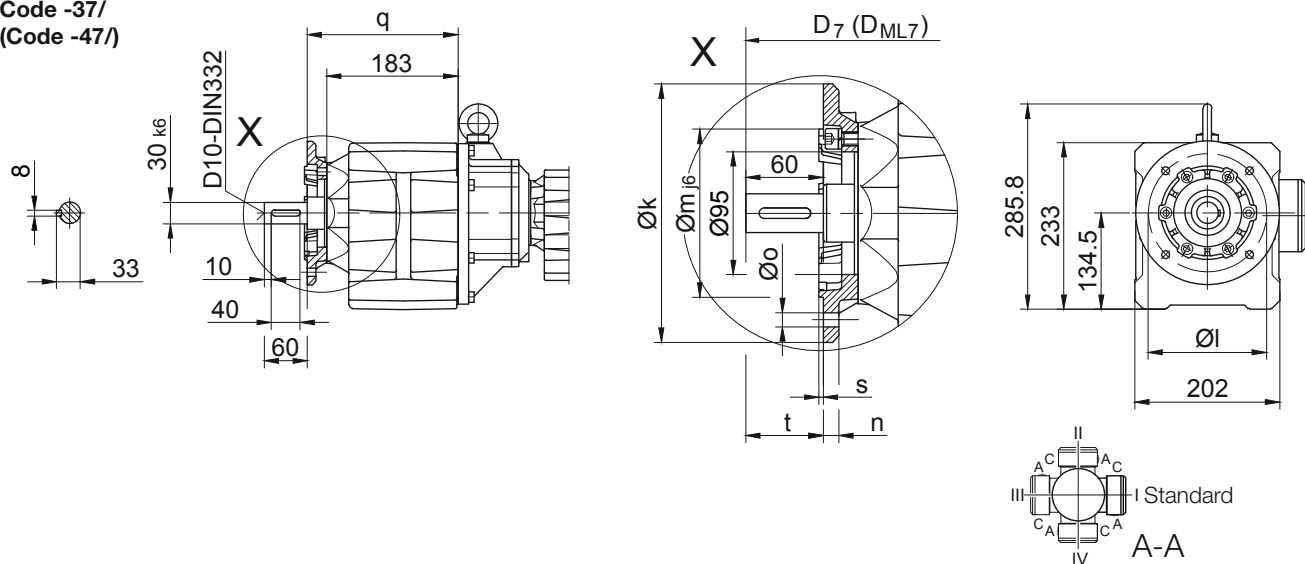
Code -11/



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
BG40G10-.../D..05.A.	170.5	300	123	721.5	101	117	763.5	824	861.5	-
BG40G10-.../D..06.A.	170.5	300	123	721.5	99	119	763.5	824	861.5	-
BG40G10-.../D..07.A.	190.5	300	123	741.5	99	119	783.5	844	881.5	-
BG40G10-.../D..08.A.	199.5	304	156	754.5	114.5	136.5	820.5	866.5	928	820.5
BG40G10-.../D..08.B.	229.5	304	156	784.5	114.5	136.5	850.5	896.5	957.5	850.5
BG40G10-.../D..09.A.	250.5	318.5	176	820	124	157	913	927.5	1017	913
BG40G10-.../D..09.B.	308.5	318.5	176	878	124	157	971	985	1075	971

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.

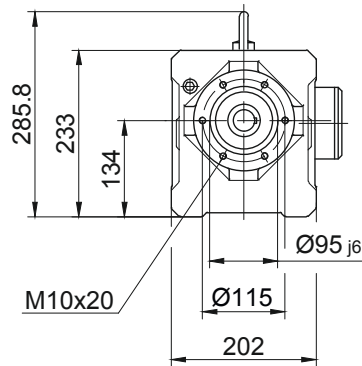
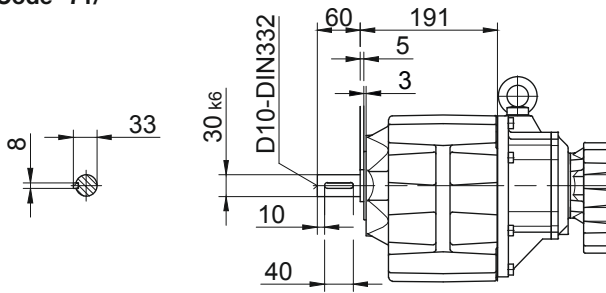
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG40G10

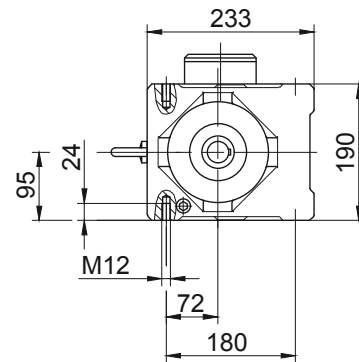
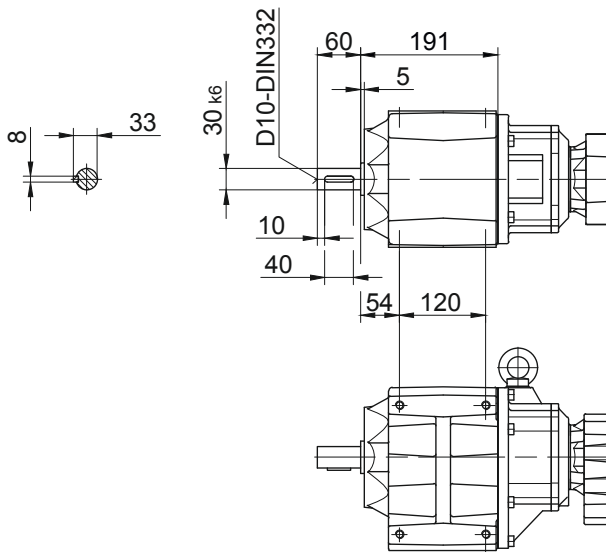
Flange with tapped holes

Code -71/



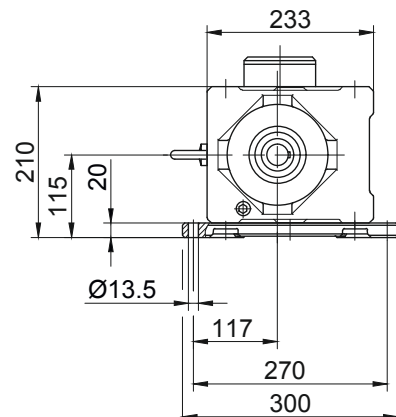
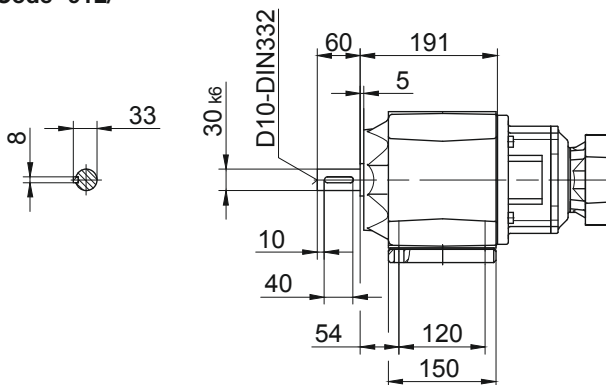
Foot with tapped holes left and right

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.

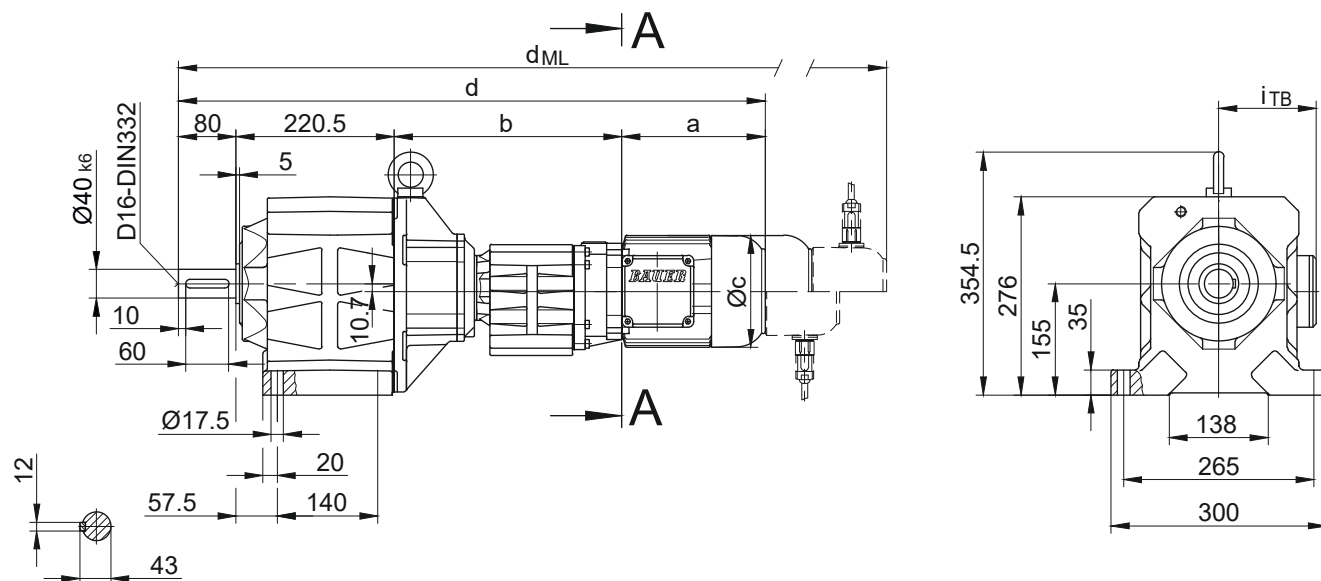
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG50G10

Foot mounting with clearance holes

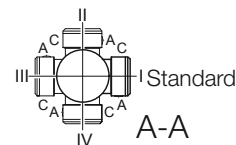
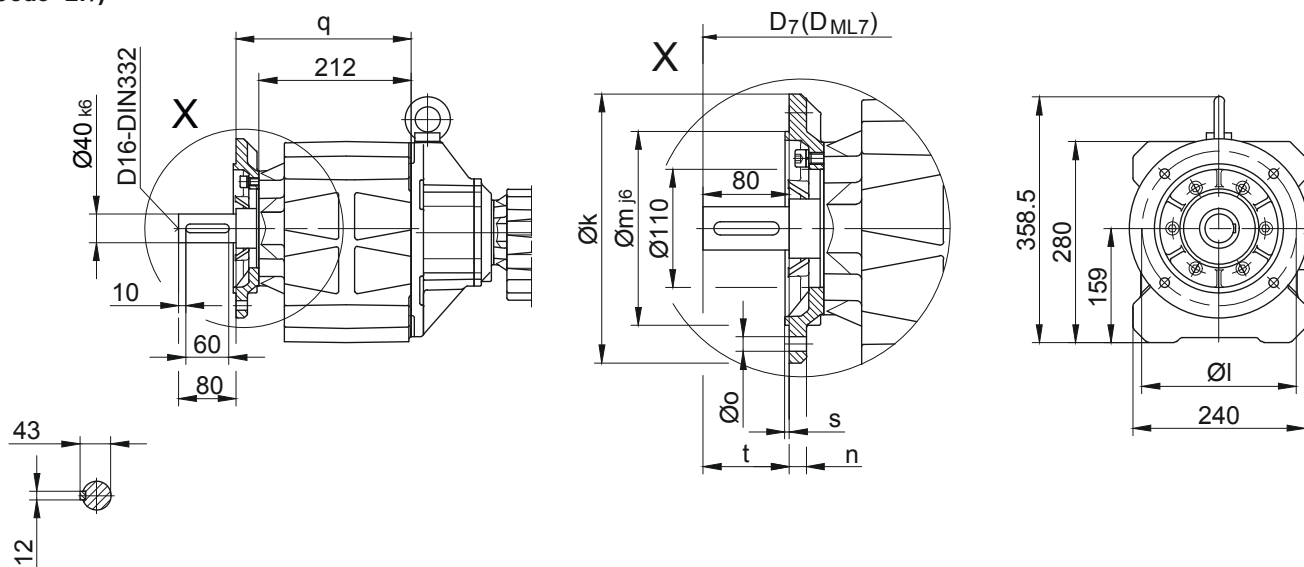
Code -11/



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
BG50G10-.../D..05.A.	170.5	313	123	784	101	117	826	886.5	924	-
BG50G10-.../D..06.A.	170.5	313	123	784	99	119	826	886.5	924	-
BG50G10-.../D..07.A.	190.5	313	123	804	99	119	846	906.5	944	-
BG50G10-.../D..08.A.	199.5	317	156	817	114.5	136.5	883	929	990.5	883
BG50G10-.../D..08.B.	229.5	317	156	847	114.5	136.5	913	959	1020	913
BG50G10-.../D..09.A.	250.5	331.5	176	882.5	124	157	975.5	990	1079.5	975.5
BG50G10-.../D..09.B.	308.5	331.5	176	940.5	124	157	1033.5	1047.5	1137.5	1033.5

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.

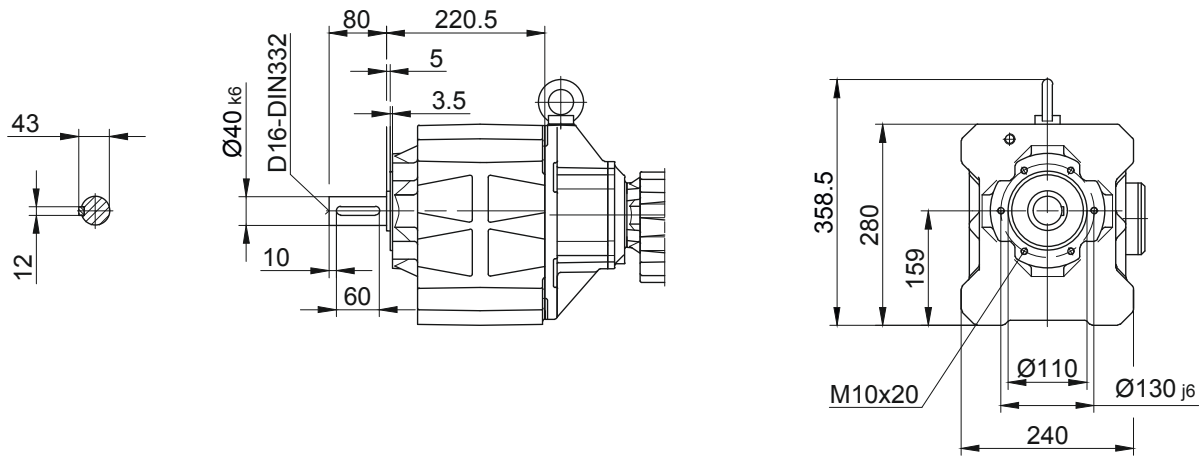
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG50G10

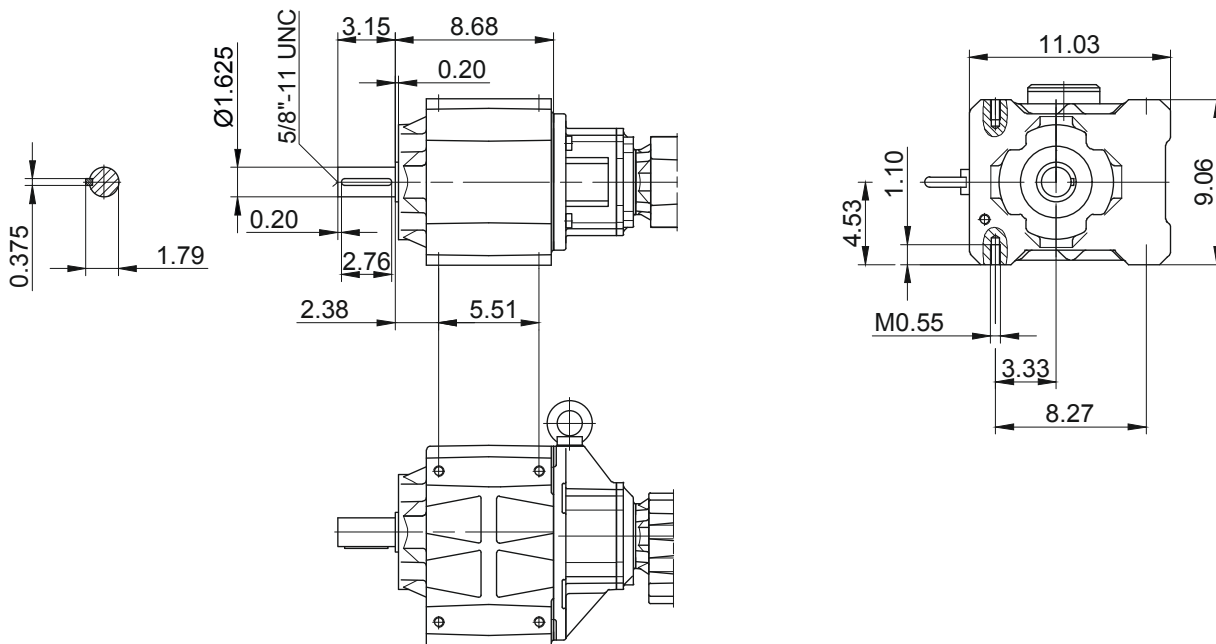
Flange with tapped holes

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.

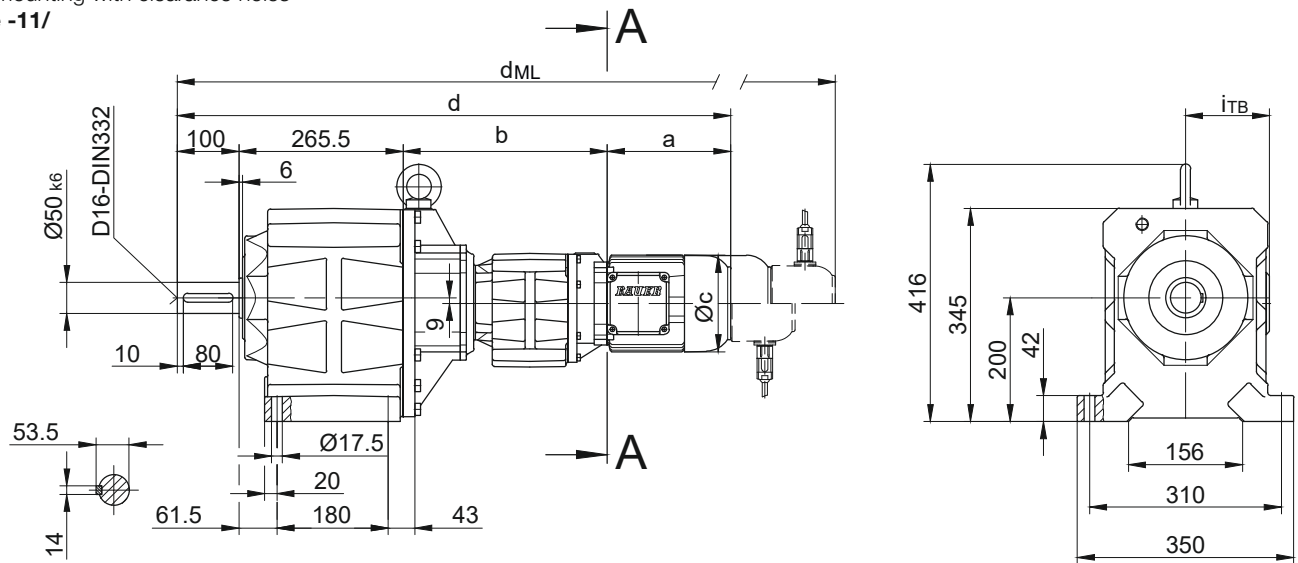
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG60G20

Foot mounting with clearance holes

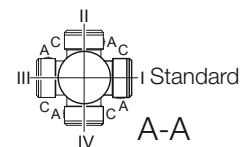
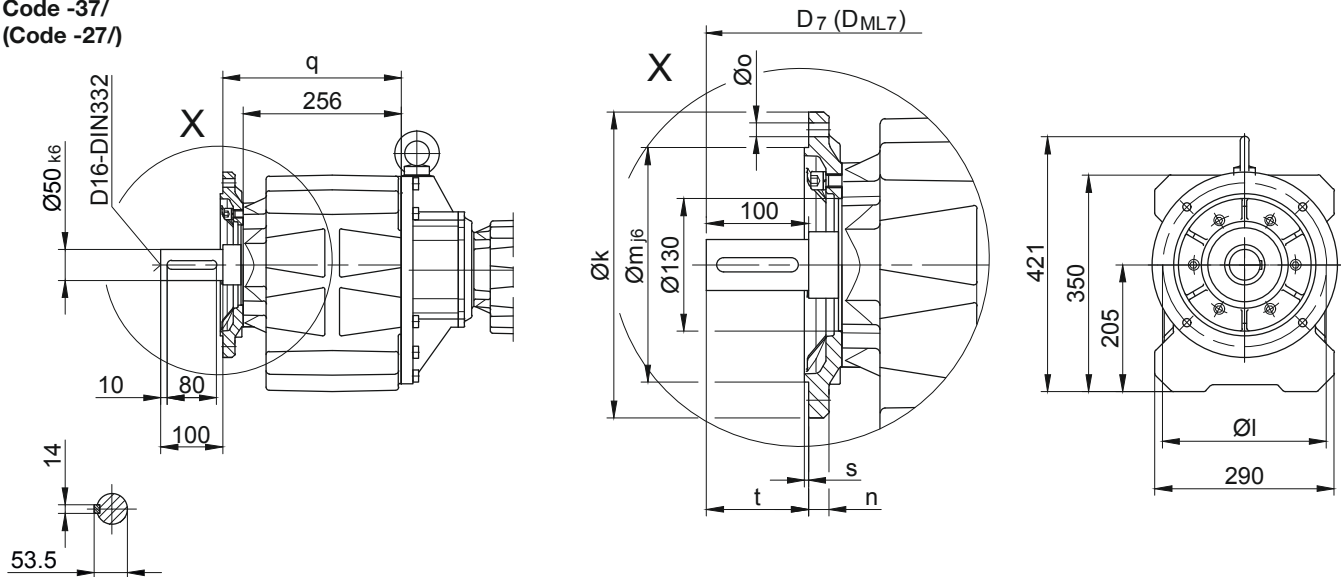
Code -11/



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				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
BG60G20-.../D..05.A.	170.5	326	123	862	101	117	904	964.5	1002	-
BG60G20-.../D..06.A.	170.5	326	123	862	99	119	904	964.5	1002	-
BG60G20-.../D..07.A.	190.5	326	123	882	99	119	924	984.5	1022	-
BG60G20-.../D..08.A.	199.5	330	156	895	114.5	136.5	961	1007	1068.5	961
BG60G20-.../D..08.B.	229.5	330	156	925	114.5	136.5	991	1037	1098	991
BG60G20-.../D..09.A.	250.5	344.5	176	960.5	124	157	1053.5	1068	1157.5	1053.5
BG60G20-.../D..09.B.	308.5	344.5	176	1018.5	124	157	1111.5	1125.5	1215.5	1111.5

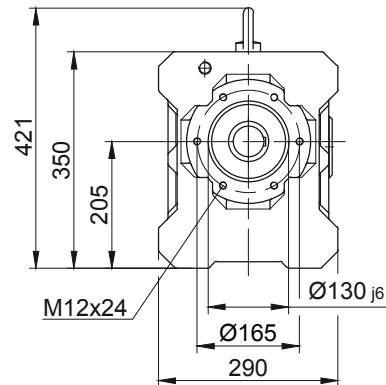
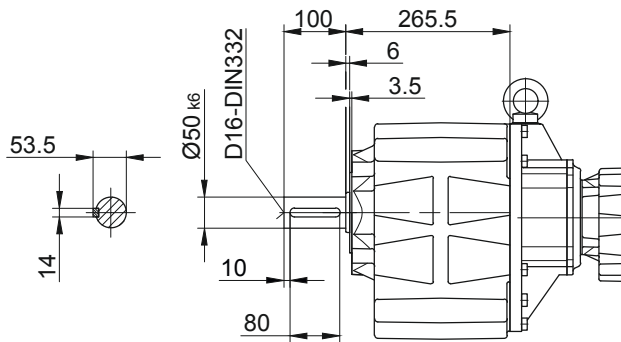
Dimensions in millimetres (mm)

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

BG60G20

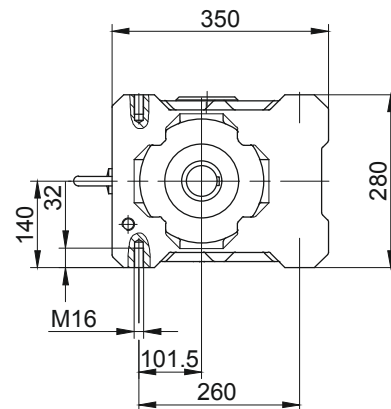
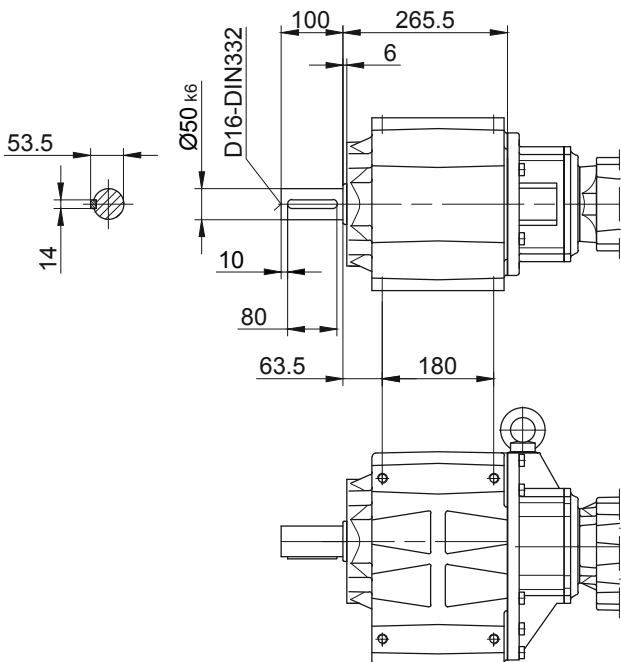
Flange with tapped holes

Code -71/



Foot with tapped holes left and right

Code -61LR/



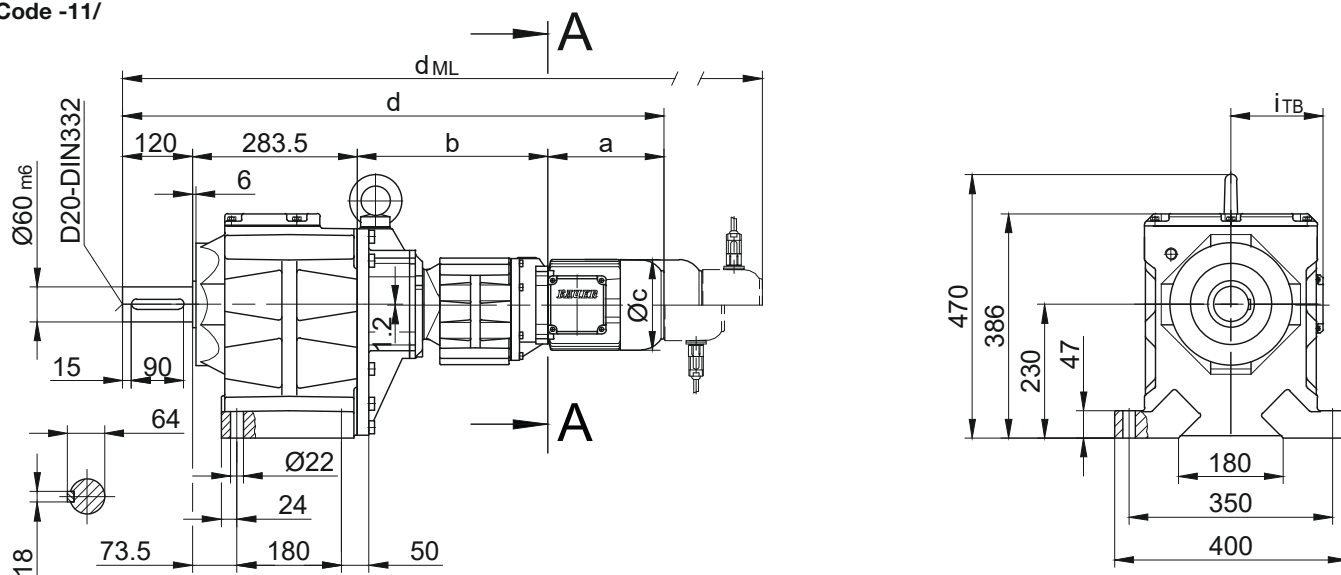
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG70G20

Foot mounting with clearance holes

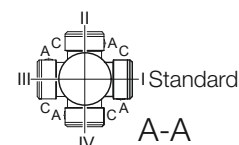
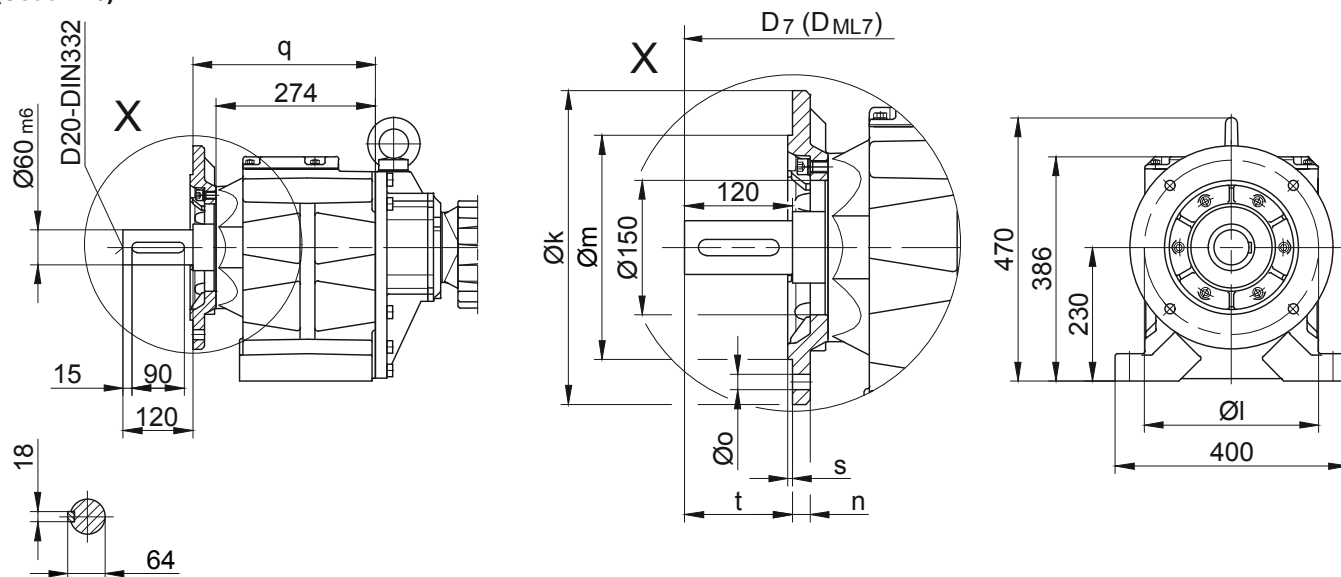
Code -11/



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)											

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
BG70G20-.../D..05.A.	170.5	324	123	898	101	117	940	1000.5	1038	-
BG70G20-.../D..06.A.	170.5	324	123	898	99	119	940	1000.5	1038	-
BG70G20-.../D..07.A.	190.5	324	123	918	99	119	960	1020.5	1058	-
BG70G20-.../D..08.A.	199.5	328	156	931	114.5	136.5	997	1043	1104.5	997
BG70G20-.../D..08.B.	229.5	328	156	961	114.5	136.5	1027	1073	1134	1027
BG70G20-.../D..09.A.	250.5	342.5	176	996.5	124	157	1089.5	1104	1193.5	1089.5
BG70G20-.../D..09.B.	308.5	342.5	176	1054.5	124	157	1147.5	1161.5	1251.5	1147.5

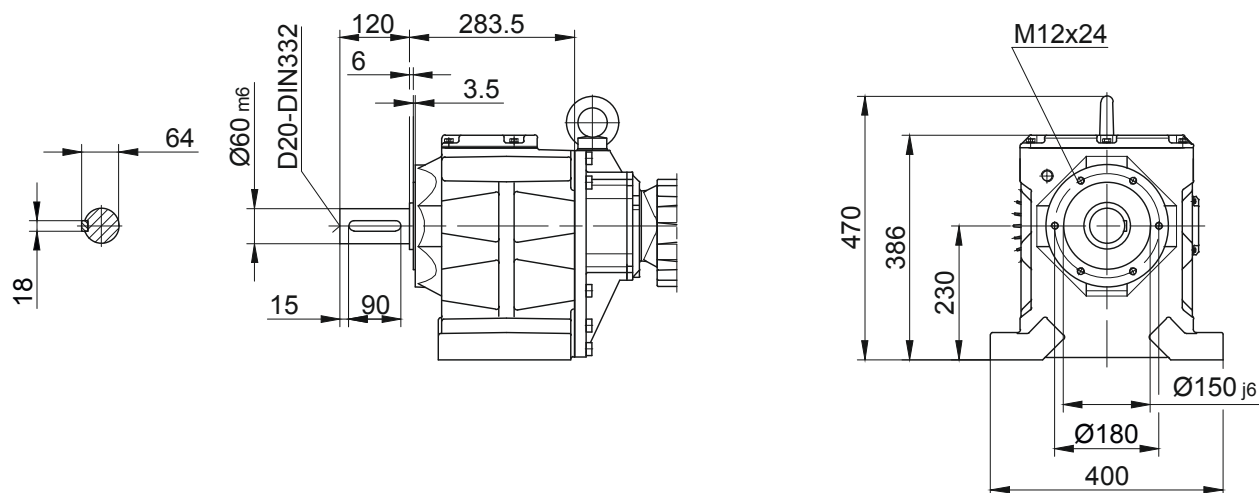
Dimensions in millimetres (mm)

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/

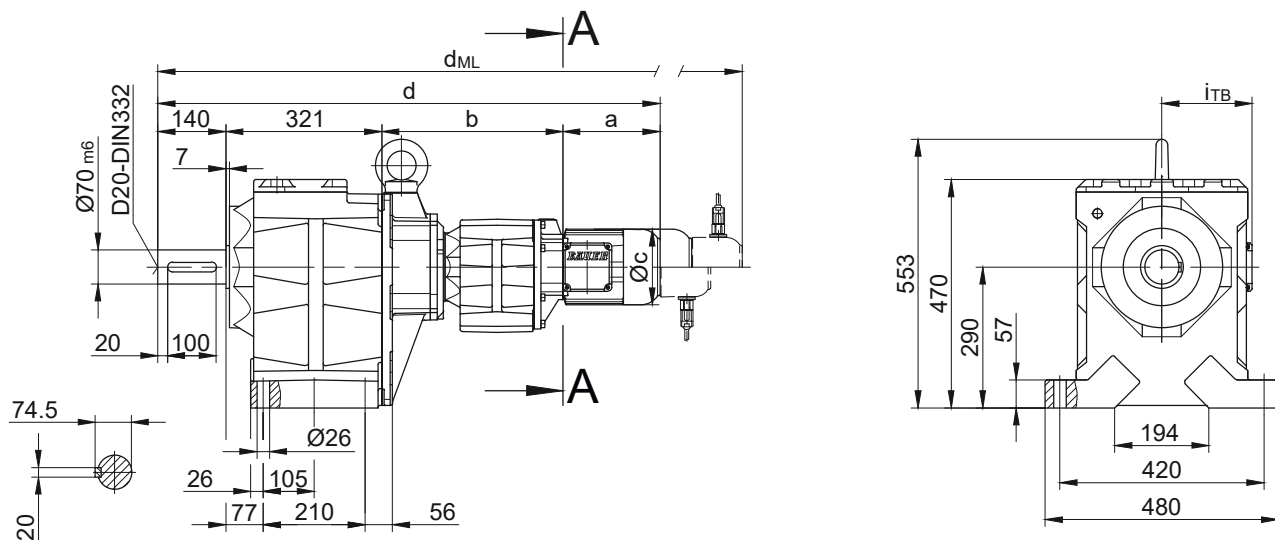


Dimension - Tandem Gearbox Metric

BG80G40

Foot mounting with clearance holes

Code -11/

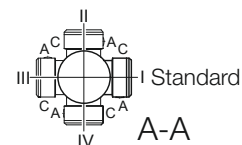
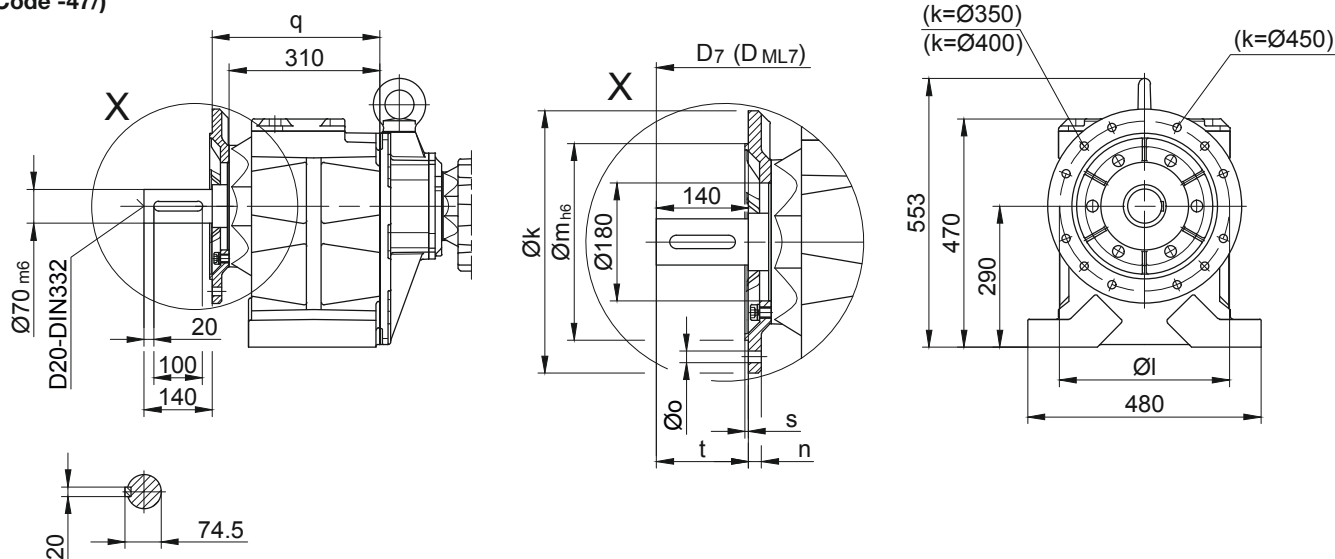


Flange with clearance holes

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-../D..08.A.	199.5	373	156	1033.5	114.5	136.5	1099.5	1145.5	1207	1099.5
BG80G40-../D..08.B.	229.5	373	156	1063.5	114.5	136.5	1129.5	1175.5	1236.5	1129.5
BG80G40-../D..09.A.	250.5	387.5	176	1099	124	157	1192	1206.5	1296	1192
BG80G40-../D..09.B.	308.5	387.5	176	1157	124	157	1250	1264	1354	1250
BG80G40-../D..11.A.	319	394	218	1174	165	176	1272	1281.5	1374	1272
BG80G40-../D..11.B.	387	394	218	1242	165	176	1338	1349.5	1442	1338

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.

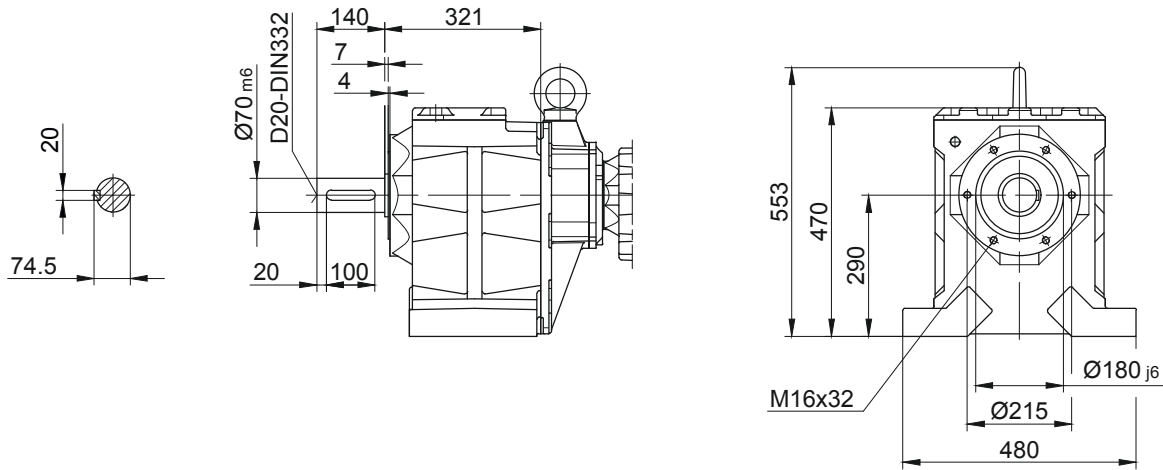
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG80G40

Flange with tapped holes

Code -71/



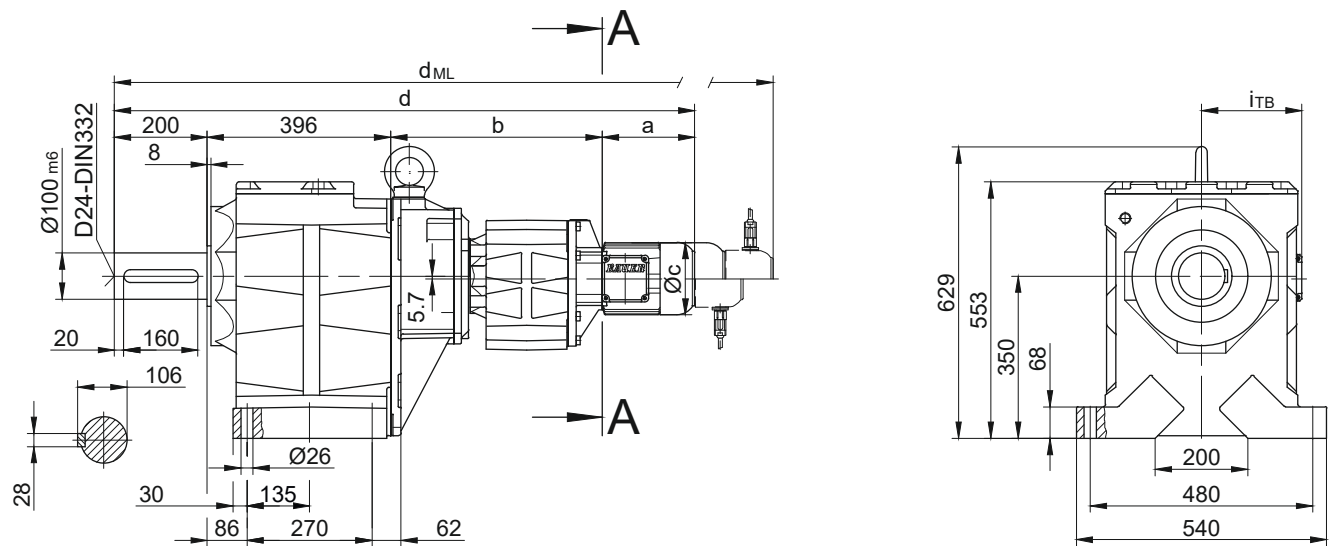
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG90G50

Foot mounting with clearance holes

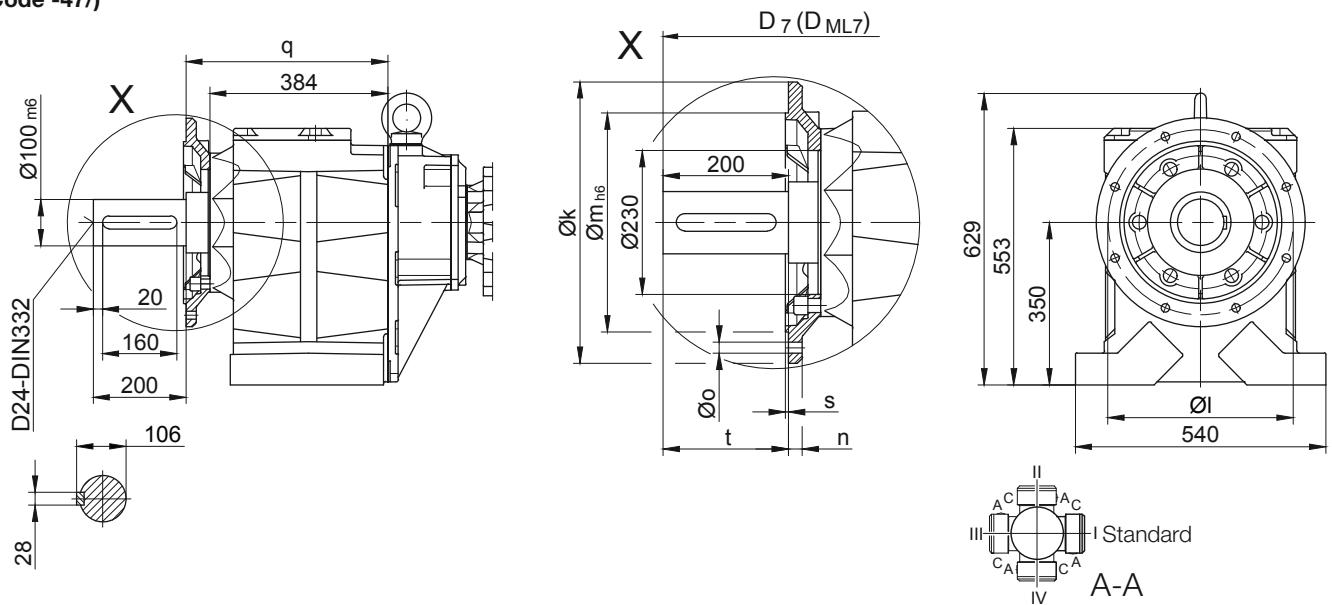
Code -11/



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-.../D..08.A.	199.5	456	156	1251.5	114.5	136.5	1317.5	1363.5	1425	1317.5
BG90G50-.../D..08.B.	229.5	456	156	1281.5	114.5	136.5	1347.5	1393.5	1454.5	1347.5
BG90G50-.../D..09.A.	250.5	470.5	176	1317	124	157	1410	1424.5	1514	1410
BG90G50-.../D..09.B.	308.5	470.5	176	1375	124	157	1468	1482	1572	1468
BG90G50-.../D..11.A.	319	477	218	1392	165	176	1490	1499.5	1592	1490
BG90G50-.../D..11.B.	387	477	218	1460	165	176	1556	1567.5	1660	1556
BG90G50-.../D..13.A.	393	490	258	1479	217	217	1590	1586	1691	1587
BG90G50-.../D..16.B.	454.5	504	310	1554.5	243	243	1698	1661.5	1801.5	1698
BG90G50-.../D..18.B.	542	526	348	1664	288	288	1813.5	1769.5	1917	1813.5

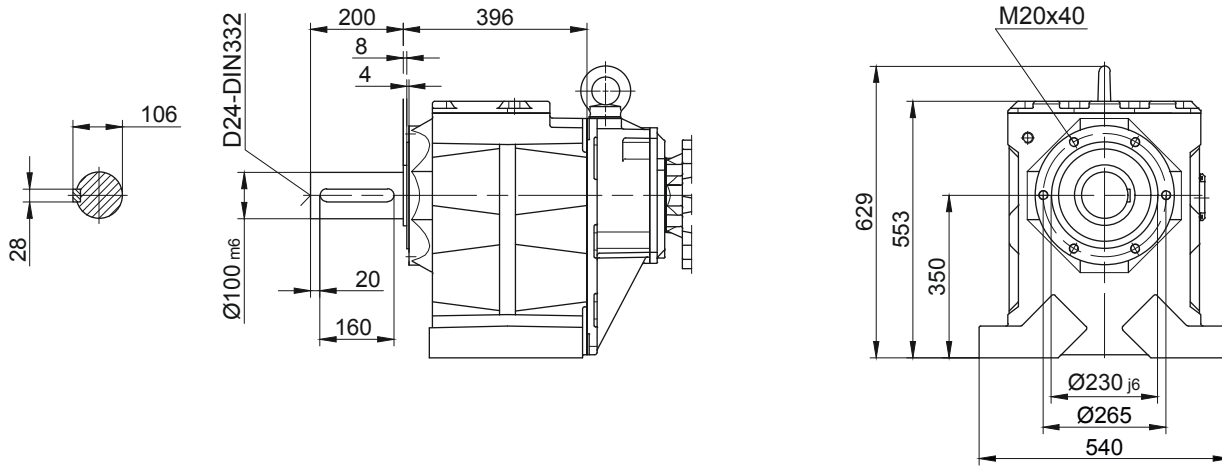
Dimensions in millimetres (mm)

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

BG90G50

Flange with tapped holes

Code -71/



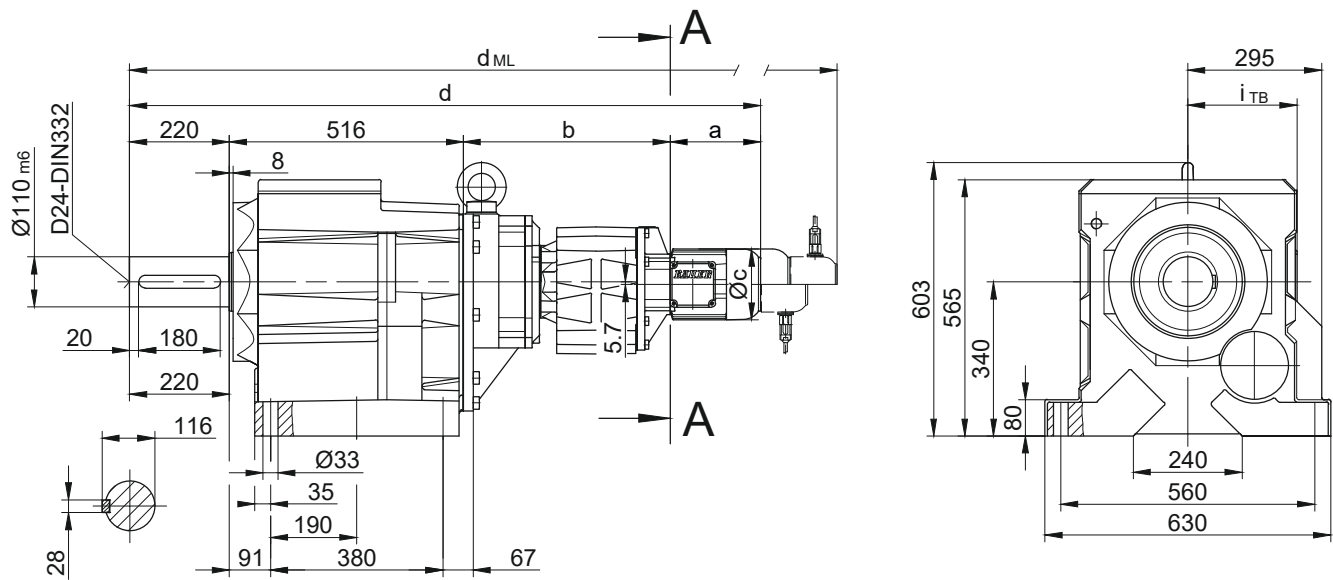
BG-series helical-geared motors

Dimension - Tandem Gearbox Metric

BG100G50

Foot mounting with clearance holes

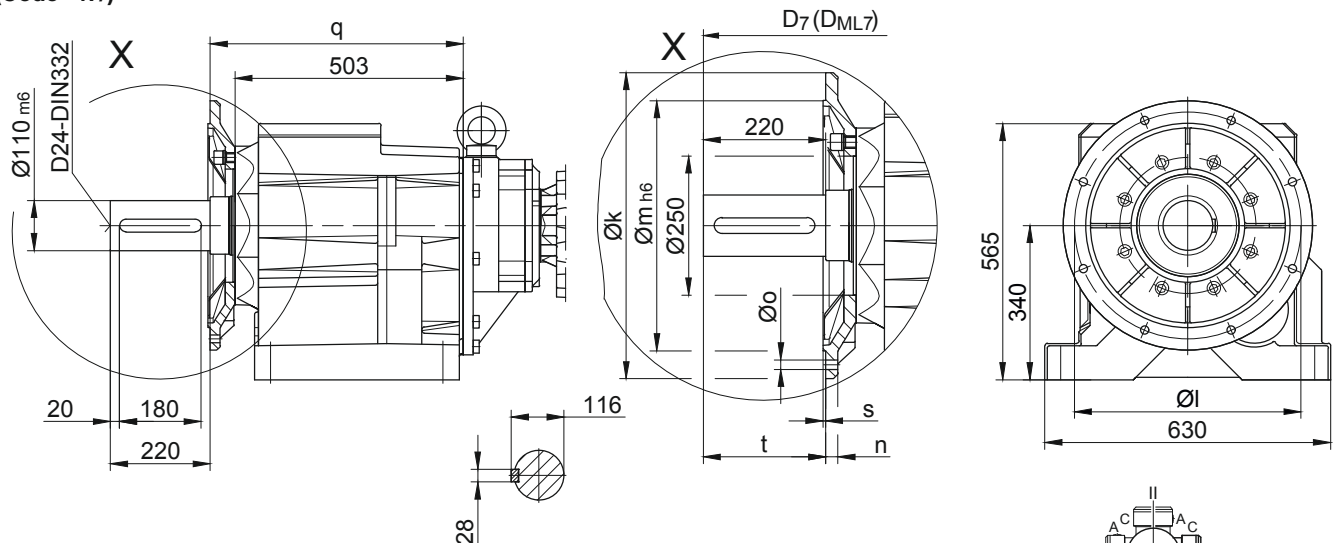
Code -11/



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
BG100G50-../D..08.A.	199.5	456	156	1391.5	114.5	136.5	1457.5	1503.5	1565	1457.5
BG100G50-../D..08.B.	229.5	456	156	1421.5	114.5	136.5	1487.5	1533.5	1594.5	1487.5
BG100G50-../D..09.A.	250.5	470.5	176	1457	124	157	1550	1564.5	1654	1550
BG100G50-../D..09.B.	308.5	470.5	176	1515	124	157	1608	1622	1712	1608
BG100G50-../D..11.A.	319	477	218	1532	165	176	1630	1639.5	1732	1630
BG100G50-../D..11.B.	387	477	218	1600	165	176	1696	1707.5	1800	1696
BG100G50-../D..13.A.	393	490	258	1619	217	217	1730	1726	1831	1727
BG100G50-../D..16.B.	454.5	504	310	1694.5	243	243	1838	1801.5	1941.5	1838
BG100G50-../D..18.B.	542	526	348	1804	288	288	1953.5	1909.5	2057	1953.5

Dimensions in millimetres (mm)

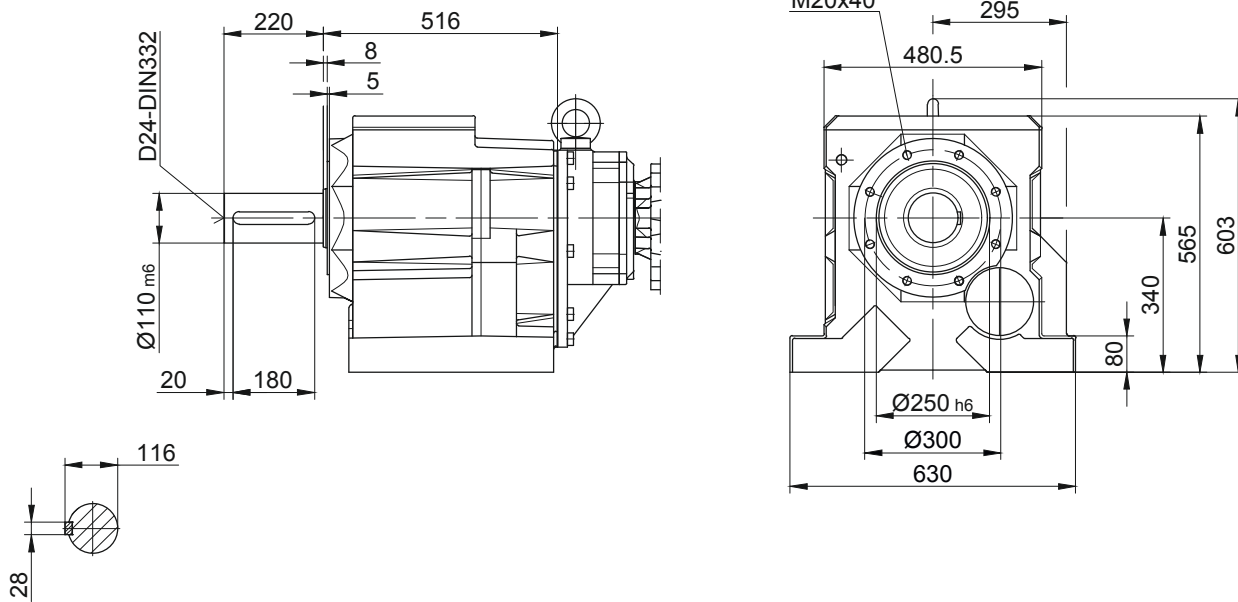
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension - Tandem Gearbox Metric

BG100G50

Flange with tapped holes

Code -71/



Energy Efficient Geared Motors

AC Line Operated / North America

10