

12

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Energy Efficient Geared Motors

AC Line Operated / North America

Energy Efficient Geared Motors

AC Line Operated / North America

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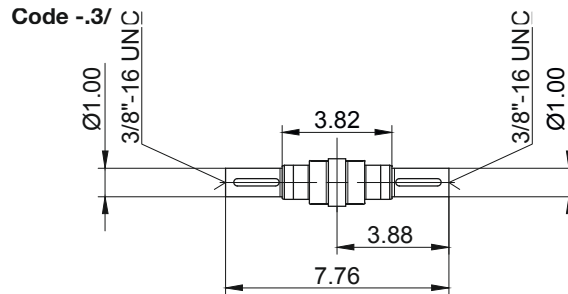
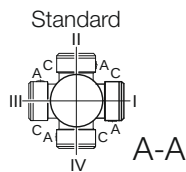
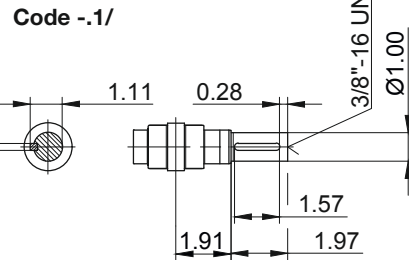
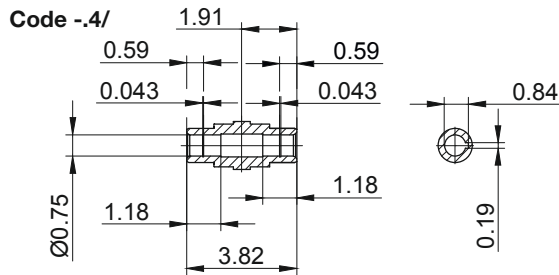
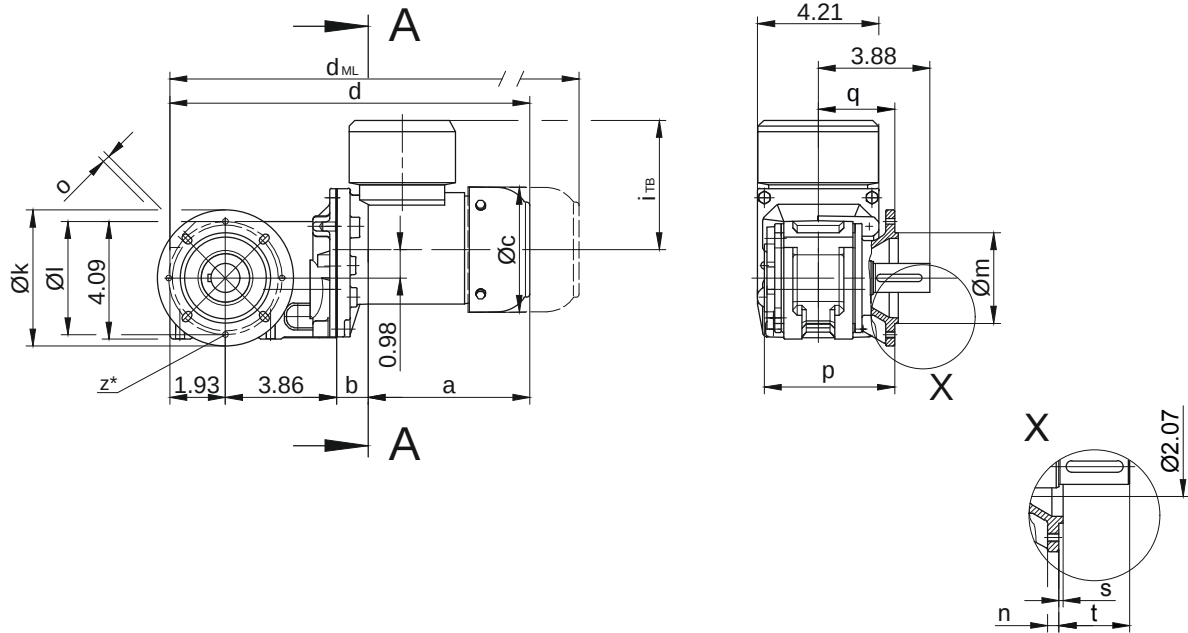
BK-series bevel-geared motors

Dimension - Standard Imperial

BK06

Flange with clearance holes at front

Code -3.V/



* optional 4xM6 for code -3.

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	p	q	s	t	
BK06	Code -3.V/	4.724	3.937	3.150	0.315	0.260	4.528	2.657	0.118	1.970	
BK08	Code -3.V/	7.874	6.496	5.118	0.472	0.433	7.343	4.173	0.138	1.533	

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK06-.../D04.A.	5.61	1.10	4.35	12.50	3.54	4.41	14.21	15.94	17.65	-
BK06-.../D..05.A.	6.72	1.18	4.84	13.69	3.98	4.61	15.34	17.72	19.20	-
BK06-.../D..06.A.	6.70	1.18	4.84	13.67	3.90	4.69	15.33	17.71	19.19	-
BK06-.../D..07.A.	7.49	1.18	4.84	14.46	3.90	4.69	16.11	18.50	19.97	-
BK06-.../D..08.A.	7.85	2.91	6.14	16.56	4.51	5.37	19.15	20.96	23.39	19.15
BK06-.../D..08.B.	9.04	2.91	6.14	17.74	4.51	5.37	20.33	22.15	24.55	20.33

Dimensions in inch

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

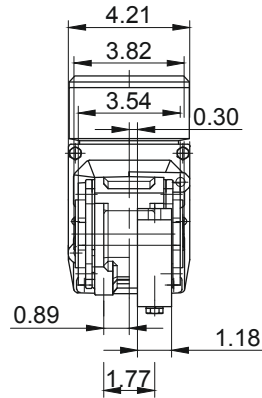
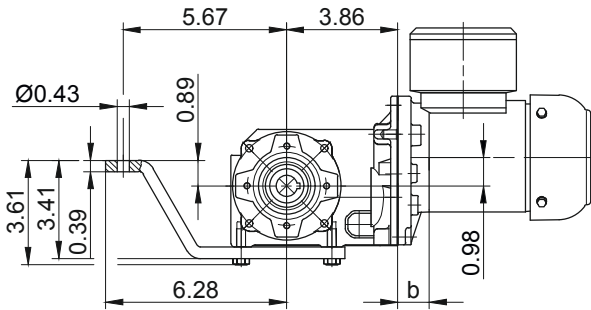
BK-series bevel-geared motors

Dimension - Standard Imperial

BK06

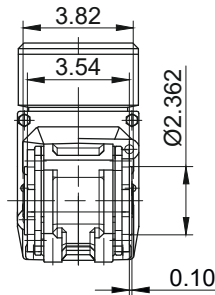
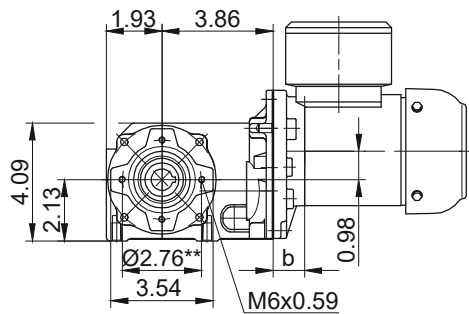
Torque arm at front

Code -5.V/



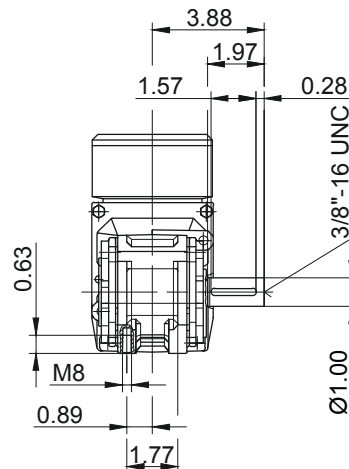
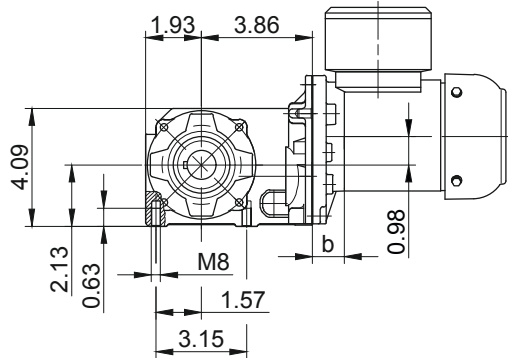
Flange with tapped holes at front

Code -7.V/



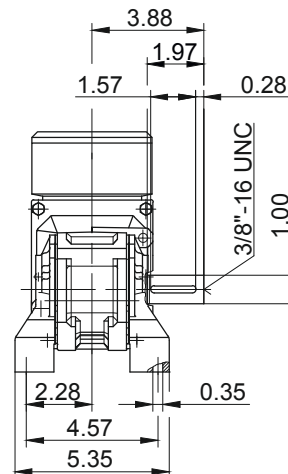
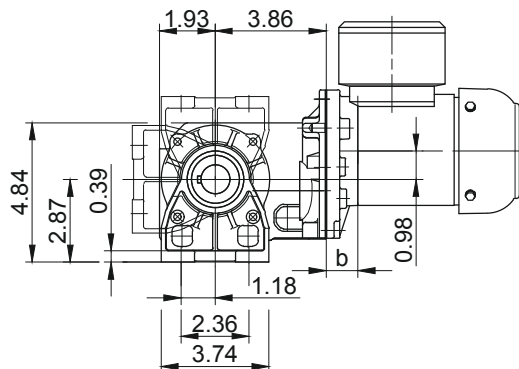
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



** not for D..08.. with PTO shaft (code -1, -2, -3, -7, -8, -9)

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

BK-series bevel-geared motors

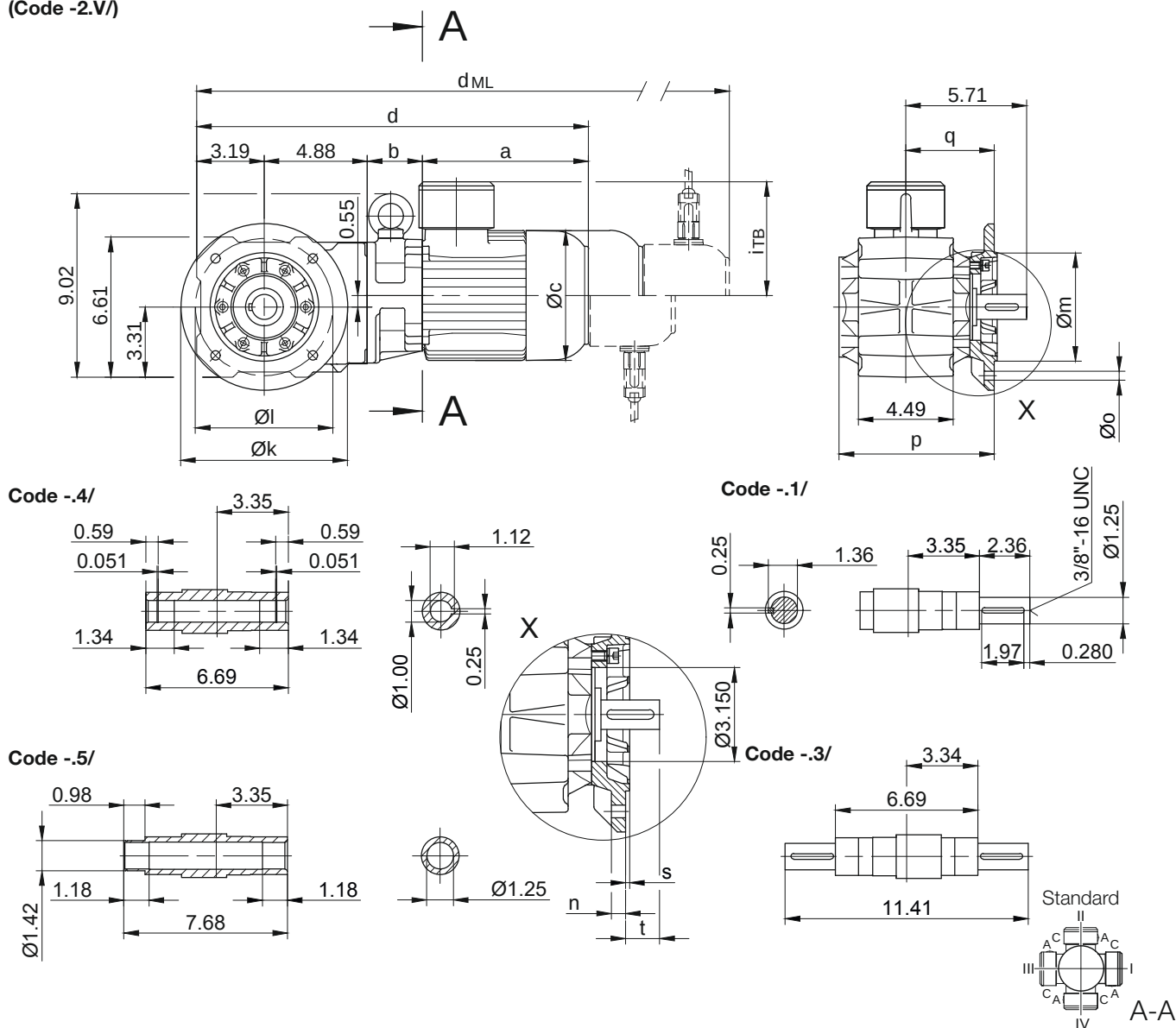
Dimension - Standard Imperial

BK10 - BK10Z

Flange with clearance holes at front

Code -3.V/

(Code -2.V/)



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK10..	Code -3.V/	7.874	6.496	5.118	0.472	0.433	7.343	4.173	0.138	1.533
BK10..	Code -2.V/	6.299	5.118	4.331	0.394	0.354	7.067	3.898	0.138	1.809

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
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK10Z-../D04.A.	5.61	3.39	4.35	17.07	3.54	4.41	18.78	20.51	22.22	-
BK10-../D..05.A.	6.72	2.44	4.84	17.23	3.98	4.61	18.88	21.26	22.74	-
BK10Z-../D..05.A.	6.72	3.46	4.84	18.25	3.98	4.61	19.91	22.29	23.76	-
BK10-../D..06.A.	6.70	2.44	4.84	17.22	3.90	4.69	18.87	21.25	22.73	-
BK10Z-../D..06.A.	6.70	3.46	4.84	18.24	3.90	4.69	19.89	22.28	23.75	-
BK10-../D..07.A.	7.49	2.44	4.84	18.00	3.90	4.69	19.66	22.04	23.52	-
BK10Z-../D..07.A.	7.49	3.46	4.84	19.03	3.90	4.69	20.68	23.06	24.54	-
BK10-../D..08.A.	7.85	2.60	6.14	18.52	4.51	5.37	21.12	22.93	25.35	21.12
BK10Z-../D..08.A.	7.85	5.20	6.14	21.12	4.51	5.37	23.72	25.53	27.95	23.72
BK10-../D..08.B.	9.04	2.60	6.14	19.70	4.51	5.37	22.30	24.11	26.52	22.30
BK10Z-../D..08.B.	9.04	5.20	6.14	22.30	4.51	5.37	24.90	26.71	29.11	24.90
BK10-../D..09.A.	9.86	3.17	6.93	21.10	4.88	6.18	24.76	25.34	28.86	24.76
BK10-../D..09.B.	12.15	3.17	6.93	23.39	4.88	6.18	27.05	27.60	31.15	27.05

Dimensions in inch

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

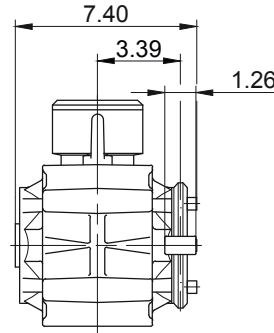
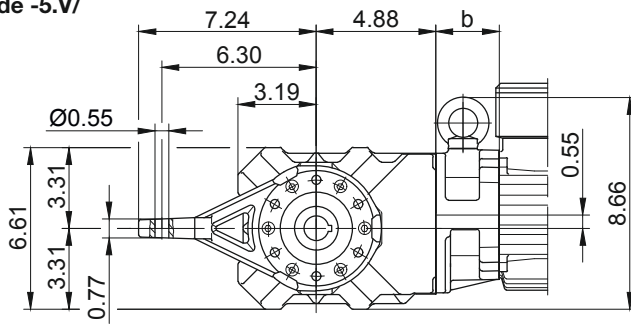
BK-series bevel-geared motors

Dimension - Standard Imperial

BK10 - BK10Z

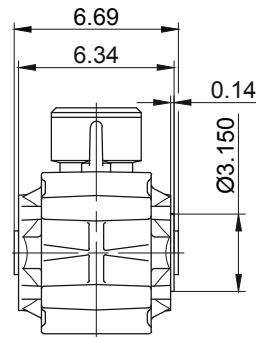
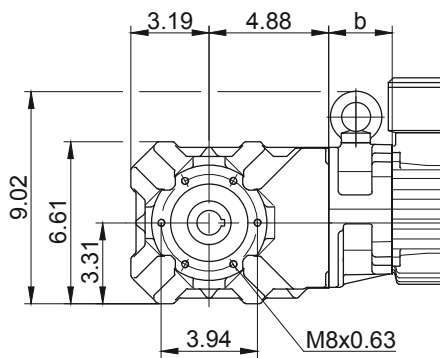
Torque arm at front

Code -5.V/



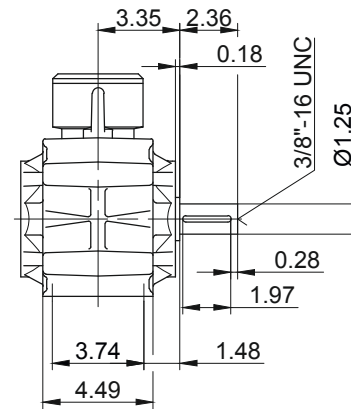
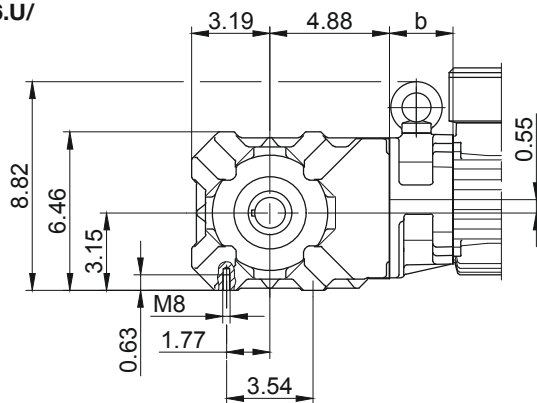
Foot with tapped holes at bottom

Code -7.V/



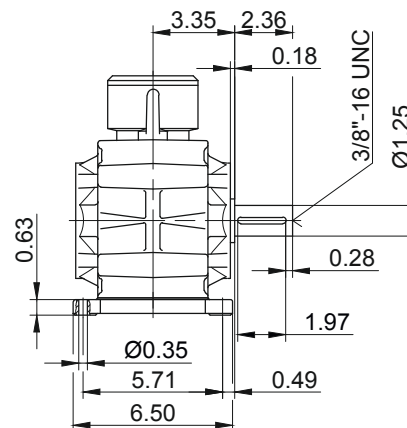
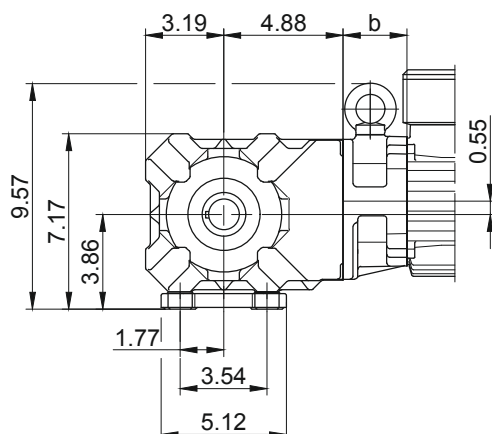
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

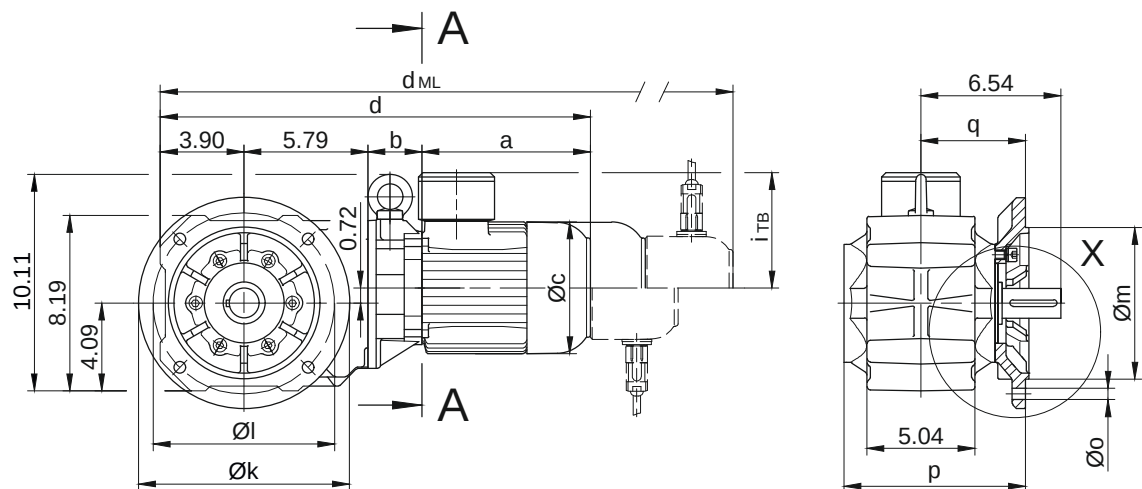
Dimension - Standard Imperial

BK20 - BK20Z

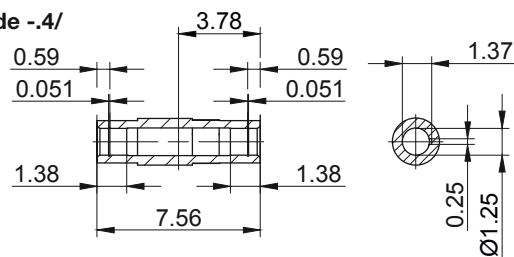
Flange with clearance holes at front

Code -3.V/

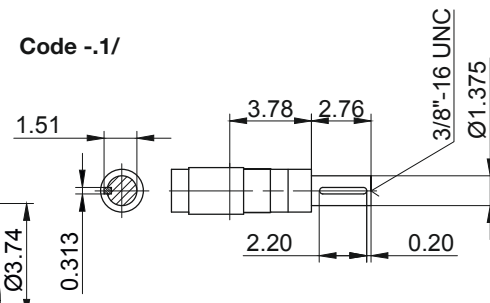
(Code -2.V/)



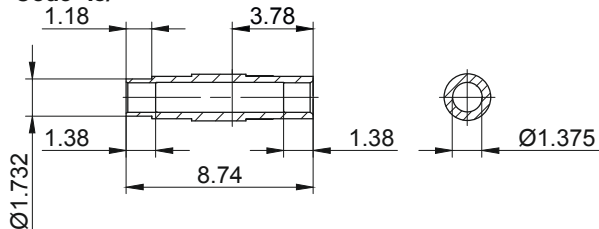
Code -4/



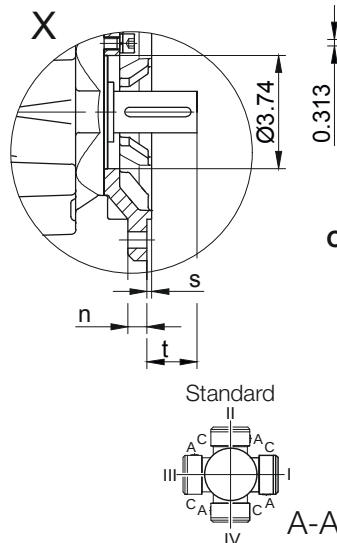
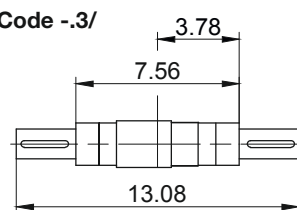
Code -1/



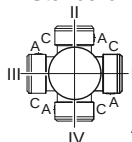
Code -5/



Code -3/



Standard



A-A

Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK20..	Code -3.V/	9.843	8.465	7.087	0.630	0.531	8.484	4.882	0.157	1.677
BK20..	Code -2.V/	7.874	6.496	5.118	0.472	0.433	8.130	4.528	0.138	2.012

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	iTB	Design with motor extensions			
							Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK20Z-../D04.A.	5.61	3.94	4.35	19.23	3.54	4.41	20.94	22.67	24.39	-
BK20-../D..05.A.	6.72	2.36	4.84	18.76	3.98	4.61	20.42	22.80	24.28	-
BK20Z-../D..05.A.	6.72	4.02	4.84	20.42	3.98	4.61	22.07	24.45	25.93	-
BK20-../D..06.A.	6.70	2.36	4.84	18.75	3.90	4.69	20.41	22.79	24.26	-
BK20Z-../D..06.A.	6.70	4.02	4.84	20.41	3.90	4.69	22.06	24.44	25.92	-
BK20-../D..07.A.	7.49	2.36	4.84	19.54	3.90	4.69	21.19	23.57	25.05	-
BK20Z-../D..07.A.	7.49	4.02	4.84	21.19	3.90	4.69	22.85	25.23	26.70	-
BK20-../D..08.A.	7.85	2.52	6.14	20.06	4.51	5.37	22.66	24.47	26.89	22.66
BK20Z-../D..08.A.	7.85	5.75	6.14	23.29	4.51	5.37	25.89	27.70	30.12	25.89
BK20-../D..08.B.	9.04	2.52	6.14	21.24	4.51	5.37	23.84	25.65	28.05	23.84
BK20Z-../D..08.B.	9.04	5.75	6.14	24.47	4.51	5.37	27.07	28.88	31.28	27.07
BK20-../D..09.A.	9.86	3.09	6.93	22.64	4.88	6.18	29.19	26.87	30.40	26.30
BK20-../D..09.B.	12.15	3.09	6.93	24.92	4.88	6.18	24.41	29.14	32.68	28.58

Dimensions in inch

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

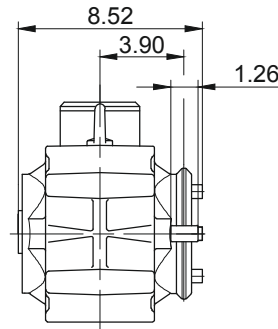
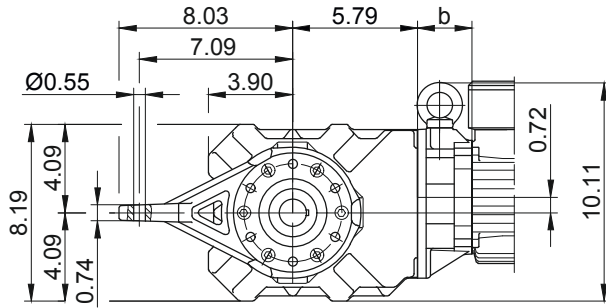
BK-series bevel-geared motors

Dimension - Standard Imperial

BK20 - BK20Z

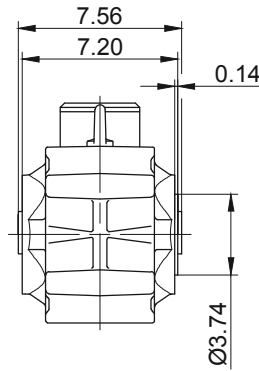
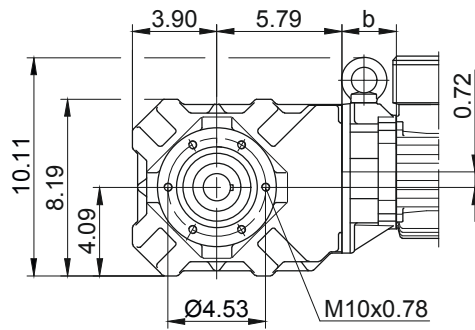
Torque arm at front

Code -5.V/



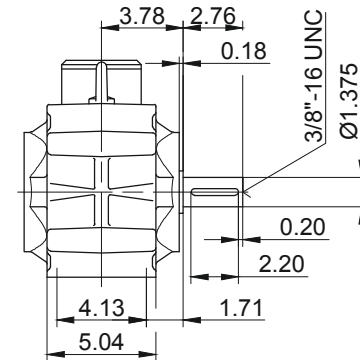
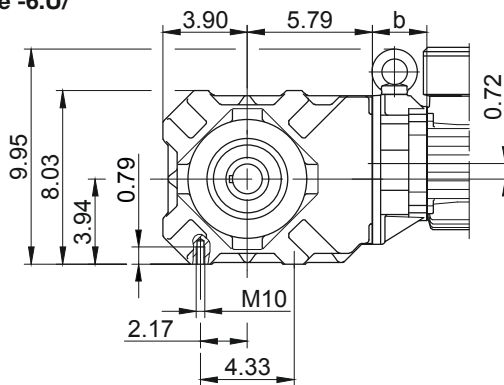
Flange with tapped holes at front

Code -7.V/



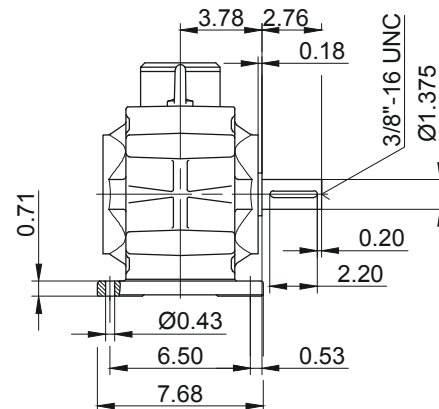
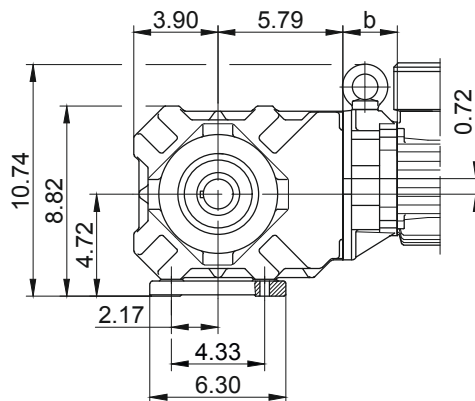
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

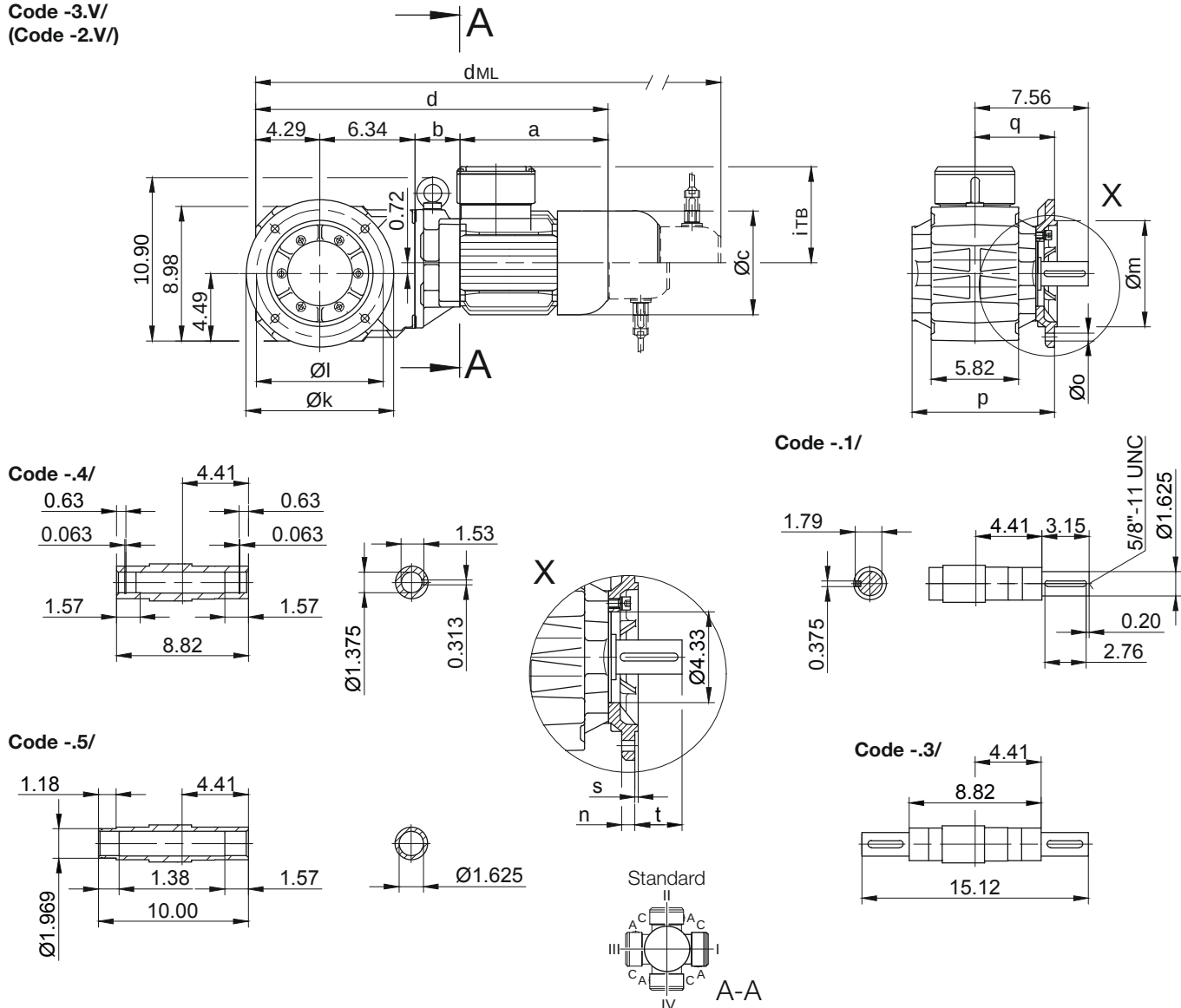
BK-series bevel-geared motors

Dimension - Standard Imperial

BK30 - BK30Z

Flange with clearance holes at front

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



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK30..	Code -3.V/	9.843	8.465	7.087	0.630	0.531	9.528	5.315	0.157	2.244
BK30..	Code -2.V/	7.874	6.496	5.118	0.472	0.433	9.409	5.197	0.138	2.343

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
							dML	dML	dML	dML
BK30-../D..05.A.	6.72	2.28	4.84	19.63	3.98	4.61	21.28	23.67	25.14	-
BK30Z-../D..05.A.	6.72	5.26	4.84	22.60	3.98	4.61	24.26	26.64	28.11	-
BK30-../D..06.A.	6.70	2.28	4.84	19.62	3.90	4.69	21.27	23.65	25.13	-
BK30Z-../D..06.A.	6.70	5.26	4.84	22.59	3.90	4.69	24.24	26.63	28.10	-
BK30-../D..07.A.	7.49	2.28	4.84	20.41	3.90	4.69	22.06	24.44	25.92	-
BK30Z-../D..07.A.	7.49	5.26	4.84	23.38	3.90	4.69	25.03	27.41	28.89	-
BK30-../D..08.A.	7.85	2.44	6.14	20.93	4.51	5.37	23.52	25.33	27.76	23.52
BK30Z-../D..08.A.	7.85	5.41	6.14	23.90	4.51	5.37	26.50	28.31	30.73	26.50
BK30-../D..08.B.	9.04	2.44	6.14	22.11	4.51	5.37	24.70	26.52	28.92	24.70
BK30Z-../D..08.B.	9.04	5.41	6.14	25.08	4.51	5.37	27.68	29.49	31.89	27.68
BK30-../D..09.A.	9.86	3.01	6.93	23.50	4.88	6.18	27.17	27.74	31.26	27.17
BK30Z-../D..09.A.	9.86	5.98	6.93	26.48	4.88	6.18	30.14	30.71	34.24	30.14
BK30-../D..09.B.	12.15	3.01	6.93	25.79	4.88	6.18	29.45	30.00	33.55	29.45
BK30Z-../D..09.B.	12.15	5.98	6.93	28.76	4.88	6.18	32.42	32.98	36.52	32.42
BK30-../D..11.A.	12.56	3.27	8.58	26.46	6.50	6.93	30.31	30.69	34.33	30.31
BK30-../D..11.B.	15.24	3.27	8.58	29.13	6.50	6.93	32.91	33.37	37.01	32.91

Dimensions in inch

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

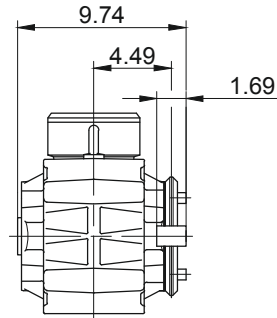
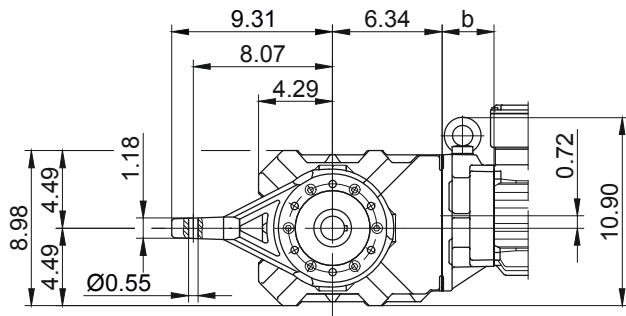
BK-series bevel-gear motors

Dimension - Standard Imperial

BK30 - BK30Z

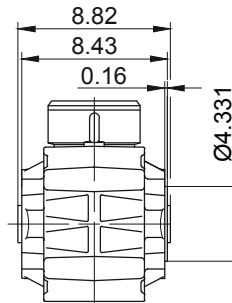
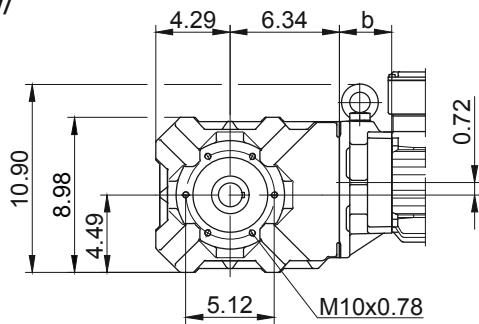
Torque arm at front

Code -5.V/



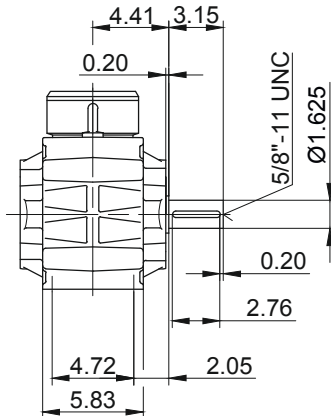
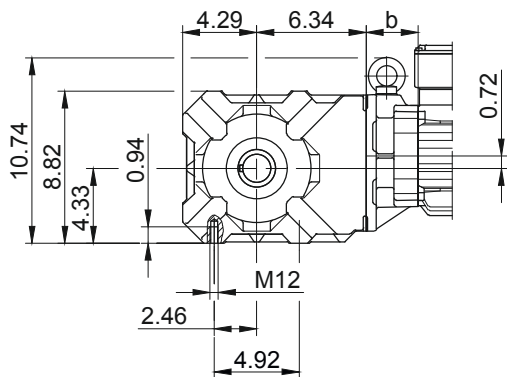
Flange with tapped holes at front

Code -7.V/



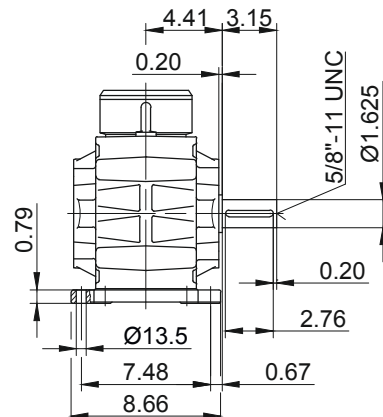
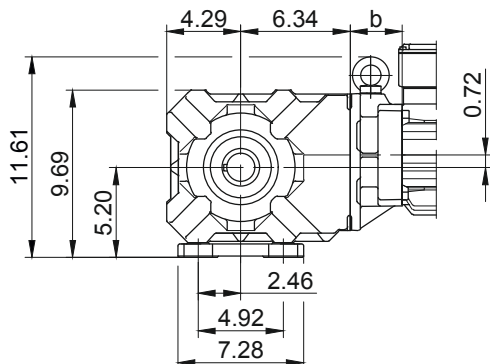
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

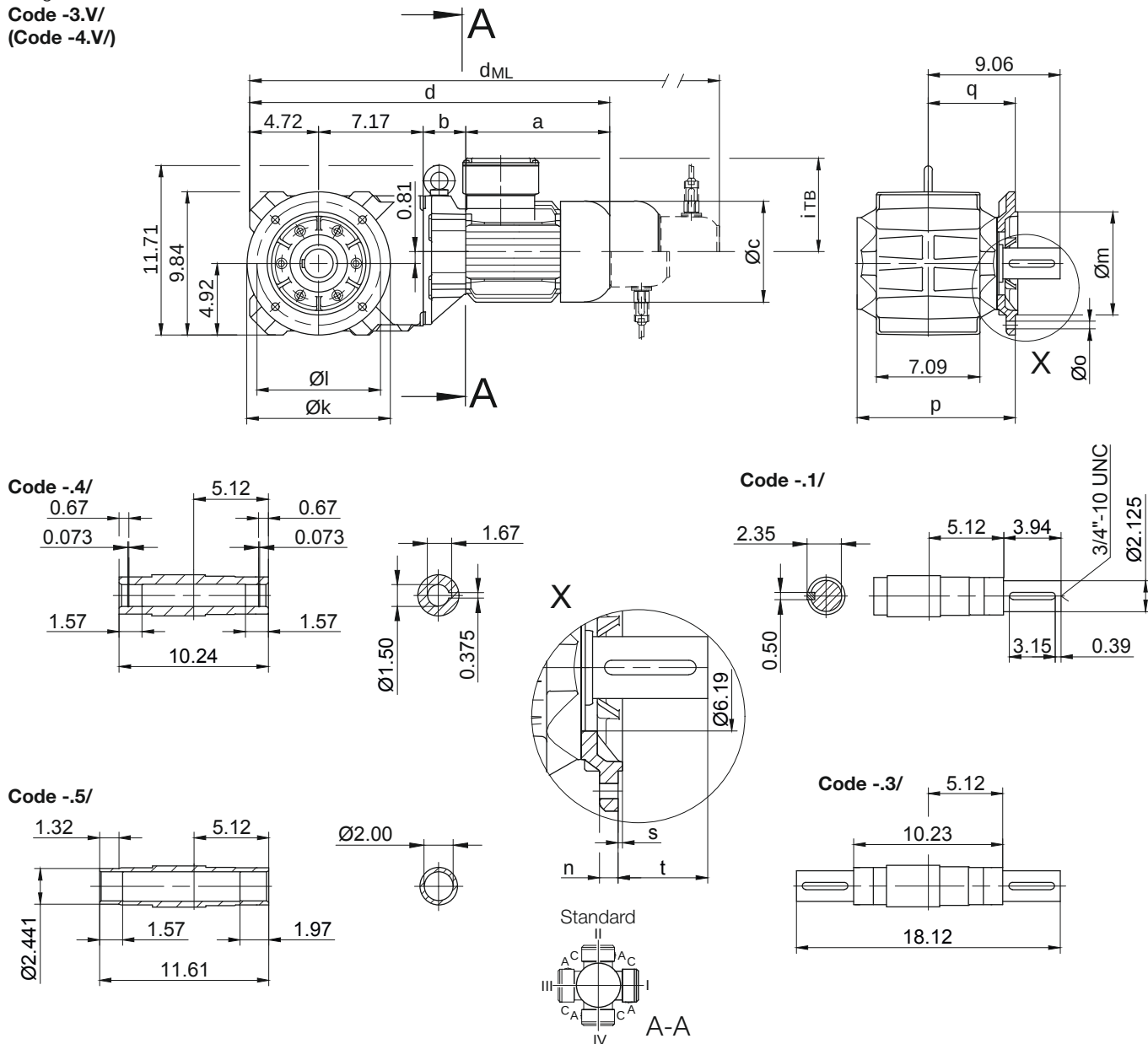
Dimension - Standard Imperial

BK40 - BK40Z

Flange with clearance holes at front

Code -3.V/

(Code -4.V/)



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	p	q	s	t	
BK40..	Code -3.V/	9.843	8.465	7.087	0.630	0.531	10.866	5.984	0.157	3.074	
BK40..	Code -4.V/	11.811	10.433	9.055	0.787	0.531	11.102	6.220	0.157	2.838	
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}
BK40Z-../D..05.A.	6.72	5.45	4.84	24.06	3.98	4.61	25.71	28.09	29.57	-
BK40Z-../D..06.A.	6.70	5.45	4.84	24.05	3.90	4.69	25.70	28.08	29.56	-
BK40Z-../D..07.A.	7.49	5.45	4.84	24.83	3.90	4.69	26.49	28.87	30.35	-
BK40-../D..08.A.	7.85	2.36	6.14	22.11	4.51	5.37	24.70	26.52	28.94	24.70
BK40Z-../D..08.A.	7.85	5.61	6.14	25.35	4.51	5.37	27.95	29.76	32.19	27.95
BK40-../D..08.B.	9.04	2.36	6.14	23.29	4.51	5.37	25.89	27.70	30.10	25.89
BK40Z-../D..08.B.	9.04	5.61	6.14	26.54	4.51	5.37	29.13	30.94	33.35	29.13
BK40-../D..09.A.	9.86	2.93	6.93	24.69	4.88	6.18	28.35	28.92	32.44	28.35
BK40Z-../D..09.A.	9.86	6.18	6.93	27.93	4.88	6.18	31.59	32.17	35.69	31.59
BK40-../D..09.B.	12.15	2.93	6.93	26.97	4.88	6.18	30.63	31.19	34.73	30.63
BK40Z-../D..09.B.	12.15	6.18	6.93	30.22	4.88	6.18	33.88	34.43	37.98	33.88
BK40-../D..11.A.	12.56	3.19	8.58	27.64	6.50	6.93	31.50	31.87	35.52	31.50
BK40-../D..11.B.	15.24	3.19	8.58	30.31	6.50	6.93	34.09	34.55	38.19	34.09

Dimensions in inch

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

BK-series bevel-geared motors

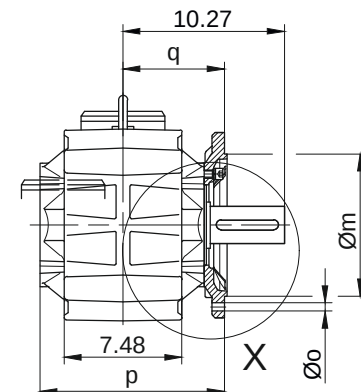
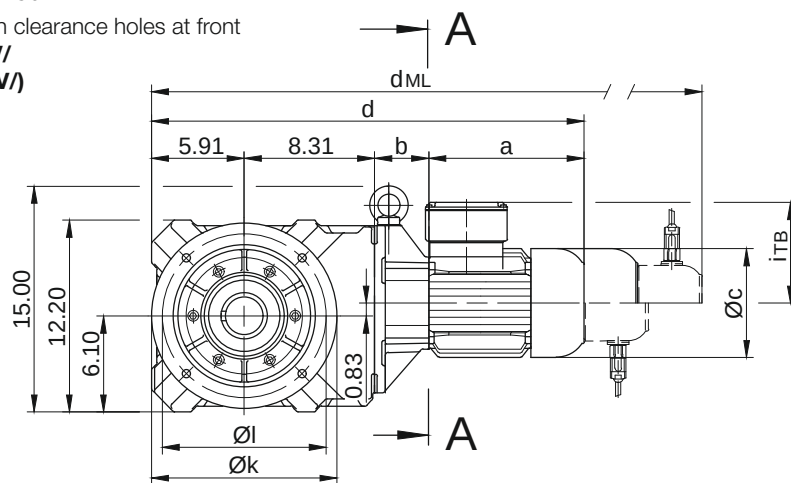
Dimension - Standard Imperial

BK50 - BK50Z

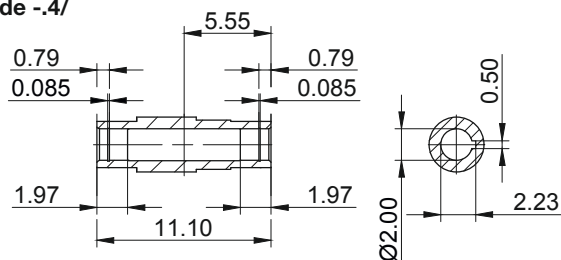
Flange with clearance holes at front

Code -3.V/

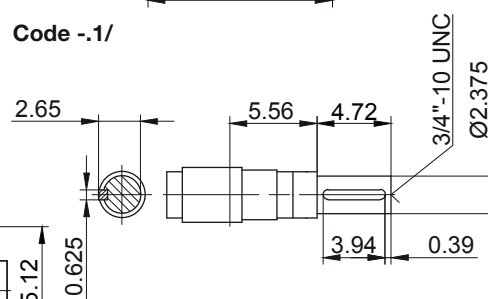
(Code -2.V/)



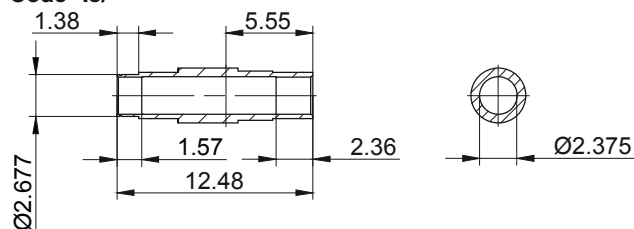
Code -4/



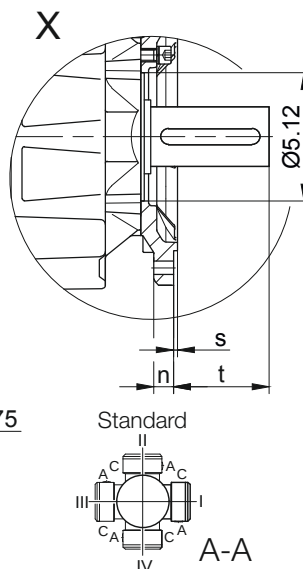
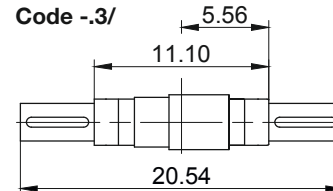
Code -1/



Code -5/



Code -3/



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK50..	Code -3.V/	11.811	10.433	9.055	0.787	0.531	11.772	6.457	0.157	3.814
BK50..	Code -2.V/	9.843	8.465	7.087	0.630	0.531	11.654	6.339	0.157	3.933

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				
						iT _B	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK50Z-../D..05.A.	6.72	6.10	4.84	27.03	3.98	4.61	28.69	31.07	32.54	-
BK50Z-../D..06.A.	6.70	6.10	4.84	27.02	3.90	4.69	28.67	31.06	32.53	-
BK50Z-../D..07.A.	7.49	6.10	4.84	27.81	3.90	4.69	29.46	31.84	33.32	-
BK50-../D..08.A.	7.85	2.87	6.14	24.94	4.51	5.37	27.54	29.35	31.77	27.54
BK50Z-../D..08.A.	7.85	6.26	6.14	28.33	4.51	5.37	30.93	32.74	35.16	30.93
BK50-../D..08.B.	9.04	2.87	6.14	26.12	4.51	5.37	28.72	30.53	32.93	28.72
BK50Z-../D..08.B.	9.04	6.26	6.14	29.51	4.51	5.37	32.11	33.92	36.32	32.11
BK50-../D..09.A.	9.86	3.44	6.93	27.52	4.88	6.18	31.18	31.76	35.28	31.18
BK50Z-../D..09.A.	9.86	6.83	6.93	30.91	4.88	6.18	34.57	35.14	38.67	34.57
BK50-../D..09.B.	12.15	3.44	6.93	29.80	4.88	6.18	33.46	34.02	37.56	33.46
BK50Z-../D..09.B.	12.15	6.83	6.93	33.19	4.88	6.18	36.85	37.41	40.95	36.85
BK50-../D..11.A.	12.56	3.70	8.58	30.47	6.50	6.93	34.33	34.71	38.35	34.33
BK50-../D..11.B.	15.24	3.70	8.58	33.15	6.50	6.93	36.93	37.39	41.03	36.93
BK50-../D..13.A.	15.47	4.21	10.16	33.90	8.54	8.54	38.27	38.11	42.25	38.15
BK50-../D..16.B.	17.89	4.76	12.20	36.87	9.57	9.57	42.52	41.09	46.60	42.52
BK50-../D..18.B.	21.34	5.63	13.70	41.18	11.34	11.34	47.07	45.34	51.15	47.07

Dimensions in inch

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

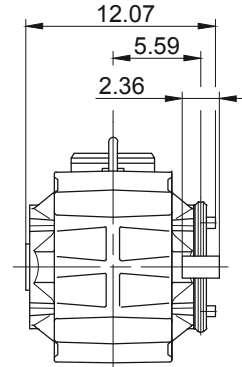
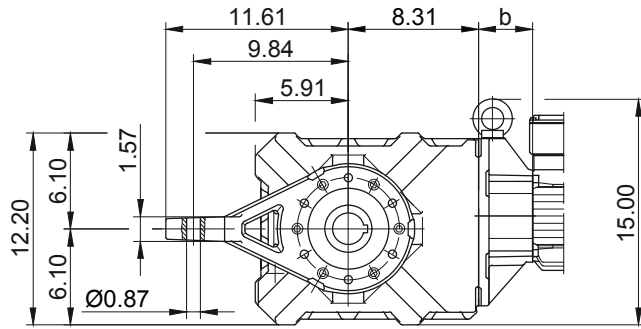
BK-series bevel-geared motors

Dimension - Standard Imperial

BK50 - BK50Z

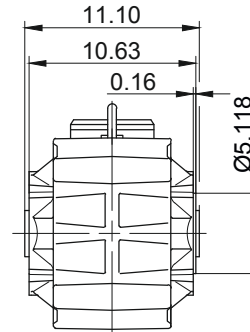
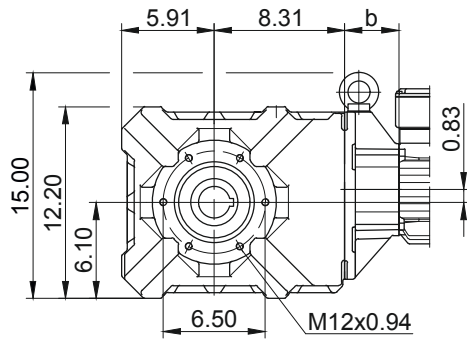
Torque arm at front

Code -5.V/



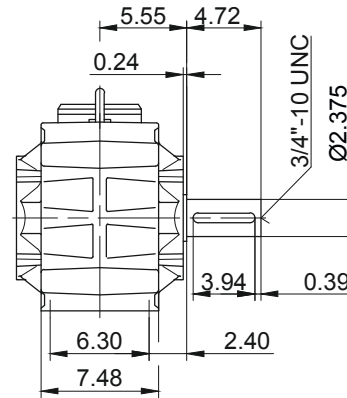
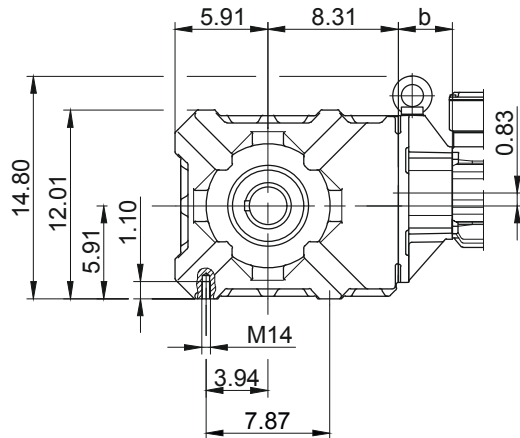
Flange with tapped holes at front

Code -7.V/



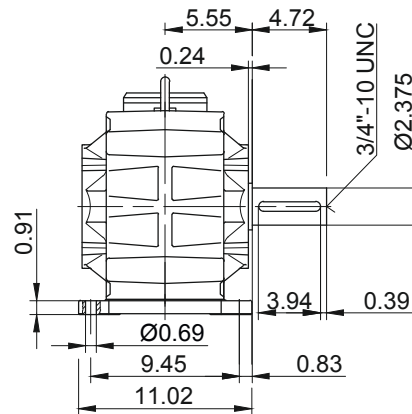
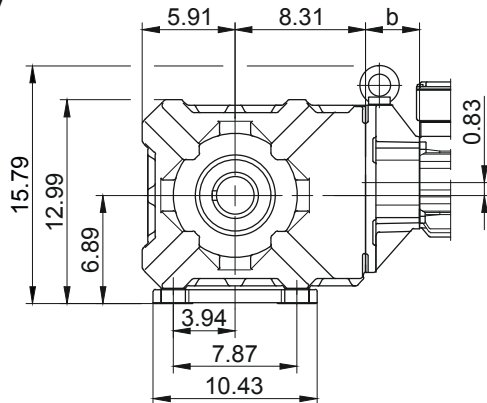
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

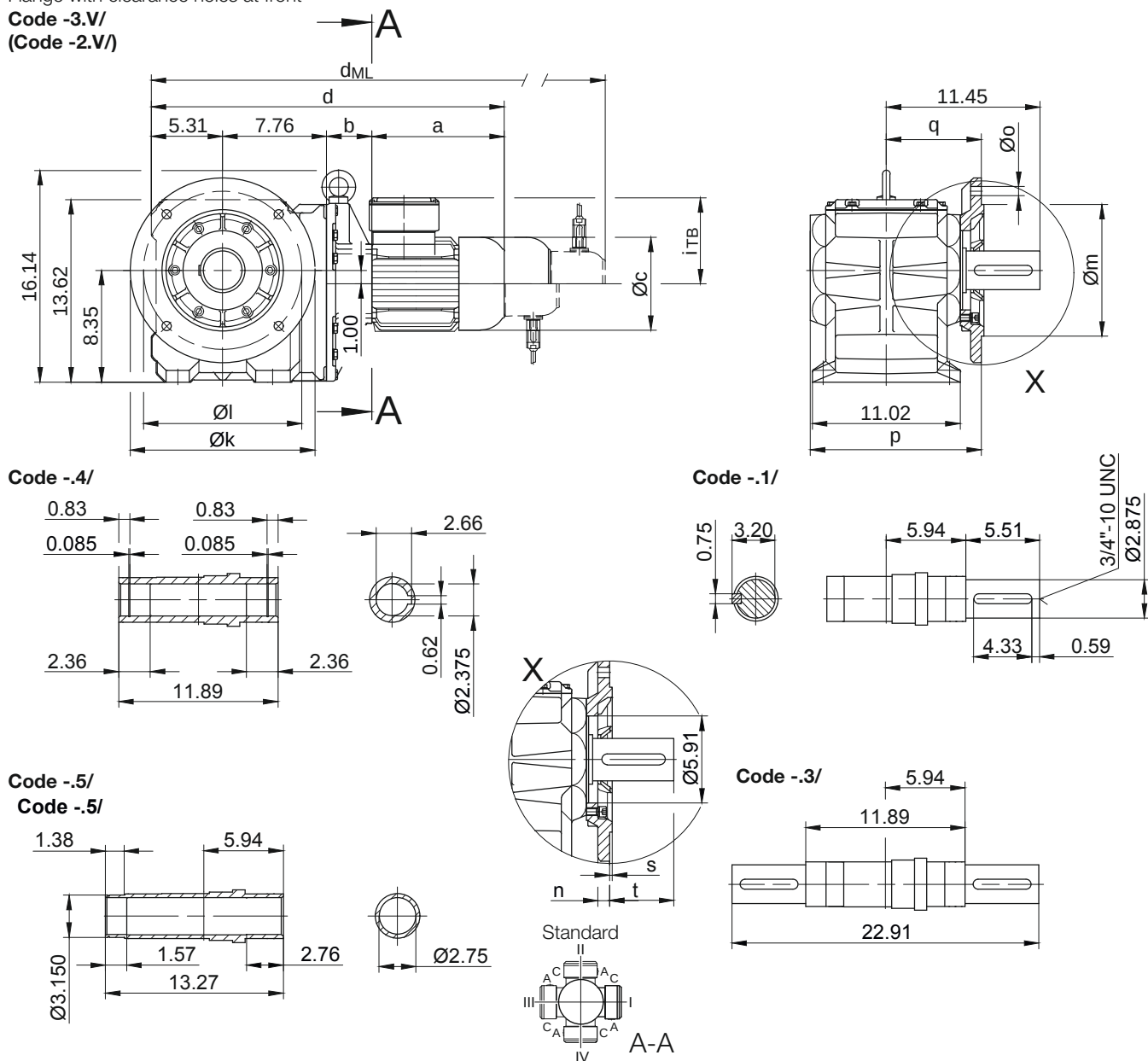
Dimension - Standard Imperial

BK60 - BK60Z

Flange with clearance holes at front

Code -3.V/

(Code -2.V/)



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	p	q	s	t	
BK60..	Code -3.V/	13.780	11.811	9.843	0.787	0.689	12.756	7.087	0.197	4.408	
BK60..	Code -2.V/	11.811	10.433	9.055	0.787	0.531	13.071	7.402	0.157	4.053	
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}
BK60Z-../D..08.A.	7.85	7.13	6.14	28.05	4.51	5.37	30.65	32.46	34.88	30.65
BK60Z-../D..08.B.	9.04	7.13	6.14	29.23	4.51	5.37	31.83	33.64	36.04	31.83
BK60-../D..09.A.	9.86	3.37	6.93	26.30	4.88	6.18	29.96	30.54	34.06	29.96
BK60Z-../D..09.A.	9.86	7.70	6.93	30.63	4.88	6.18	34.29	34.87	38.39	34.29
BK60-../D..09.B.	12.15	3.37	6.93	28.58	4.88	6.18	32.24	32.80	36.34	32.24
BK60Z-../D..09.B.	12.15	7.70	6.93	32.91	4.88	6.18	36.57	37.13	40.67	36.57
BK60-../D..11.A.	12.56	3.62	8.58	29.25	6.50	6.93	33.11	33.49	37.13	33.11
BK60Z-../D..11.A.	12.56	7.95	8.58	33.58	6.50	6.93	37.44	37.82	41.46	37.44
BK60-../D..11.B.	15.24	3.62	8.58	31.93	6.50	6.93	35.71	36.17	39.81	35.71
BK60Z-../D..11.B.	15.24	7.95	8.58	36.26	6.50	6.93	40.04	40.50	44.14	40.04
BK60-../D..13.A.	15.47	4.13	10.16	32.68	8.54	8.54	37.05	36.89	41.03	36.93
BK60-../D..16.B.	17.89	4.69	12.20	35.65	9.57	9.57	41.30	39.87	45.38	41.30
BK60-../D..18.B.	21.34	5.55	13.70	39.96	11.34	11.34	45.85	44.12	49.93	45.85

Dimensions in inch

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

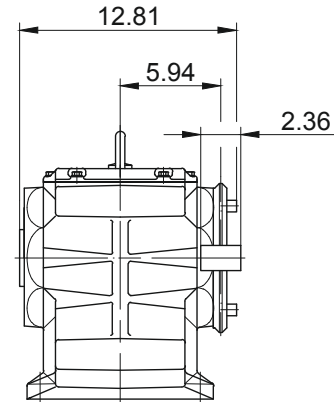
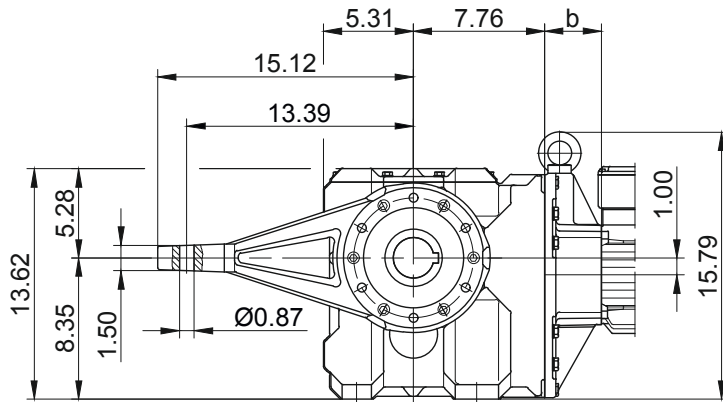
BK-series bevel-gear motors

Dimension - Standard Imperial

BK60 - BK60Z

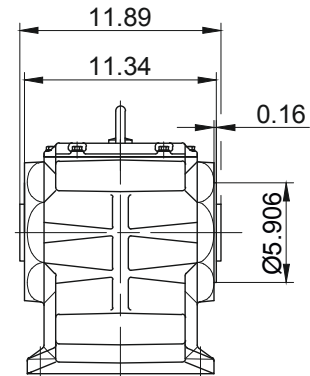
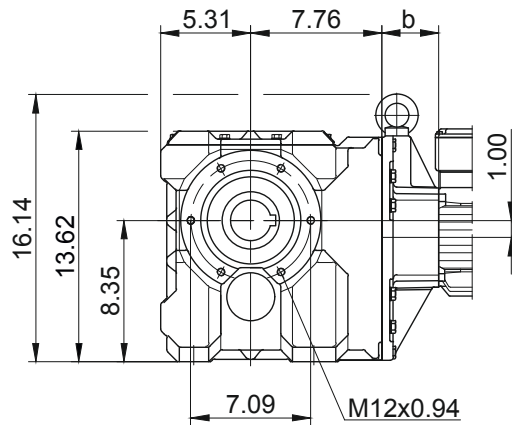
Torque arm at front

Code -5.V/



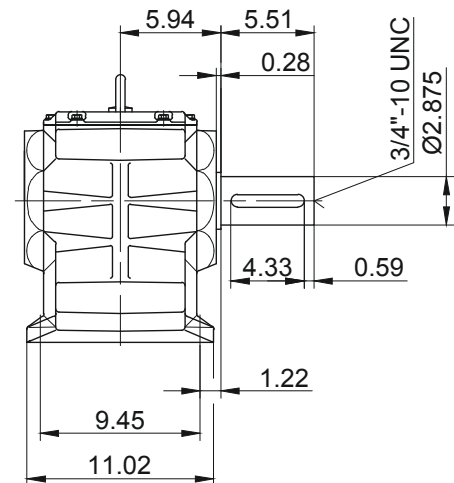
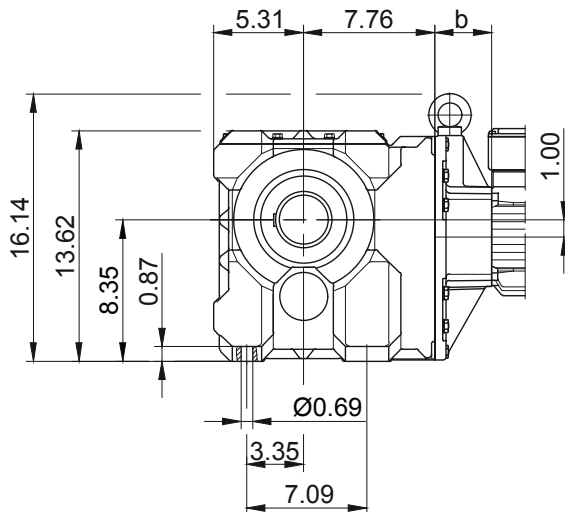
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

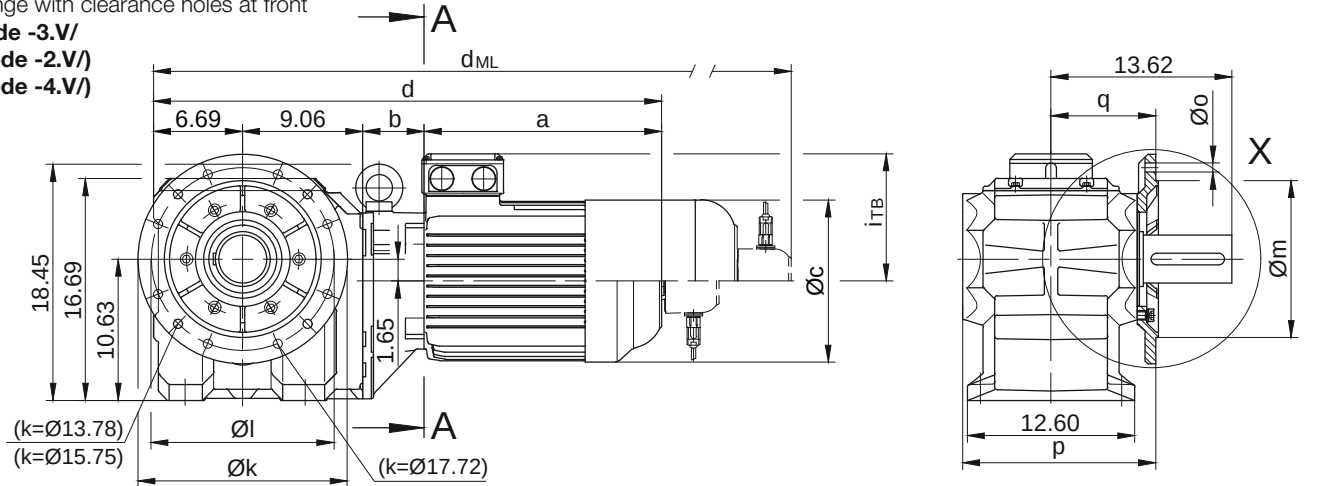
BK-series bevel-geared motors

Dimension - Standard Imperial

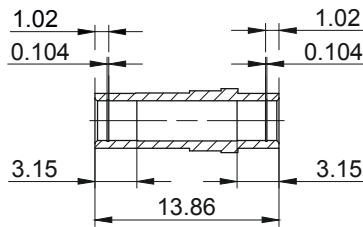
BK70 - BK70Z

Flange with clearance holes at front

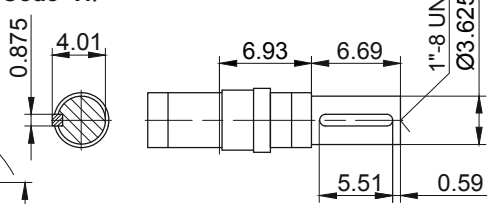
Code -3.V/
(Code -2.V/
(Code -4.V/)



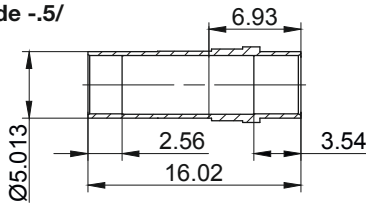
Code -4/



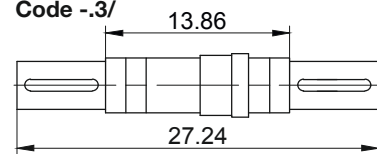
Code -1/



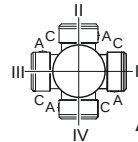
Code -5/



Code -3/



Standard



A-A

Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK70..	Code -3.V/	15.748	13.780	11.811	0.787	4 x 0.689	14.528	7.874	0.197	5.784
BK70..	Code -2.V/	13.780	11.811	9.843	0.787	4 x 0.689	14.528	7.874	0.197	5.784
BK70..	Code -4.V/	17.717	15.748	13.780	0.866	8 x 0.689	14.921	8.268	0.197	5.391

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
							dML	dML	dML	dML
BK70Z-../D..08.A.	7.85	7.95	6.14	31.56	4.51	5.37	34.15	35.96	38.39	34.15
BK70Z-../D..08.B.	9.04	7.95	6.14	32.74	4.51	5.37	35.33	37.15	39.55	35.33
BK70-../D..09.A.	9.86	3.29	6.93	28.90	4.88	6.18	32.56	33.13	36.66	32.56
BK70Z-../D..09.A.	9.86	8.52	6.93	34.13	4.88	6.18	37.80	38.37	41.89	37.80
BK70-../D..09.B.	12.15	3.29	6.93	31.18	4.88	6.18	34.84	35.40	38.94	34.84
BK70Z-../D..09.B.	12.15	8.52	6.93	36.42	4.88	6.18	40.08	40.63	44.18	40.08
BK70-../D..11.A.	12.56	3.54	8.58	31.85	6.50	6.93	35.71	36.09	39.73	35.71
BK70Z-../D..11.A.	12.56	8.78	8.58	37.09	6.50	6.93	40.94	41.32	44.96	40.94
BK70-../D..11.B.	15.24	3.54	8.58	34.53	6.50	6.93	38.31	38.76	42.41	38.31
BK70Z-../D..11.B.	15.24	8.78	8.58	39.76	6.50	6.93	43.54	44.00	47.64	43.54
BK70-../D..13.A.	15.47	4.06	10.16	35.28	8.54	8.54	39.65	39.49	43.63	39.53
BK70Z-../D..13.A.	15.47	9.29	10.16	40.51	8.54	8.54	44.88	44.73	48.86	44.76
BK70-../D..16.B.	17.89	4.61	12.20	38.25	9.57	9.57	43.90	42.46	47.98	43.90
BK70Z-../D..16.B.	17.89	9.84	12.20	43.48	9.57	9.57	49.13	47.70	53.21	49.13
BK70-../D..18.B.	21.34	5.47	13.70	42.56	11.34	11.34	48.44	46.72	52.52	48.44
BK70Z-../D..18.B.	21.34	10.71	13.70	47.80	11.34	11.34	53.68	51.95	57.76	53.68
BK70-../D..20.A.	27.70	6.14	14.29	49.59	11.89	11.89	54.61	53.74	58.76	49.59
BK70-../D..22.A.	27.70	6.14	14.29	49.59	11.89	11.89	54.61	53.74	58.76	49.59

Dimensions in inch

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

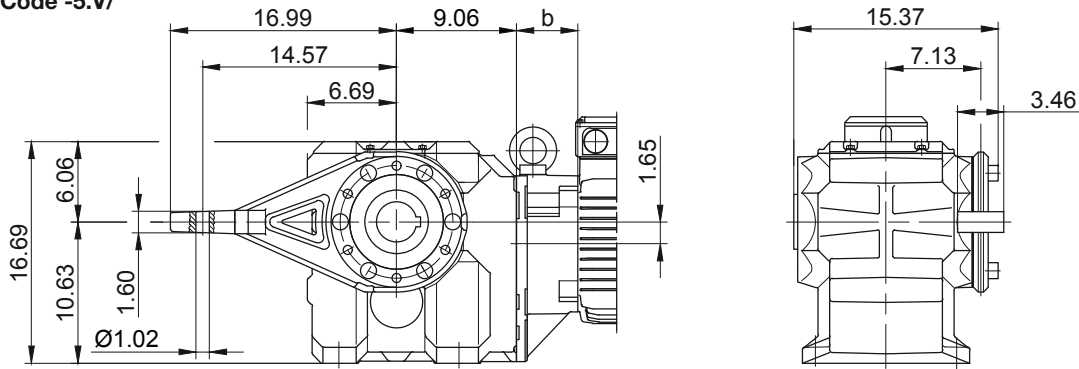
BK-series bevel-gear motors

Dimension - Standard Imperial

BK70 - BK70Z

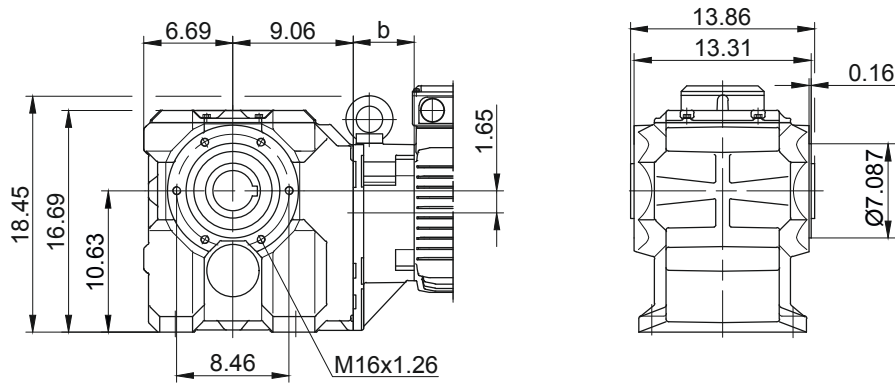
Torque arm at front

Code -5.V/



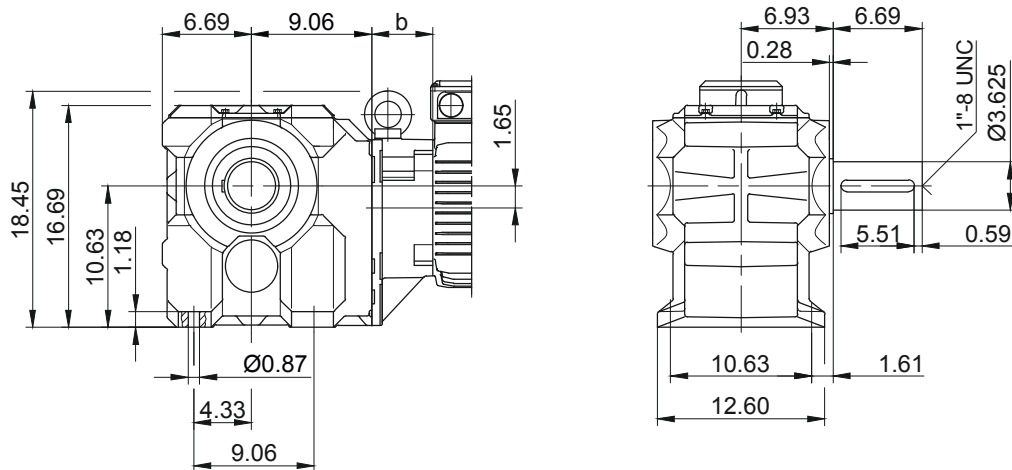
Flange with tapped holes at front

Code -7.V/

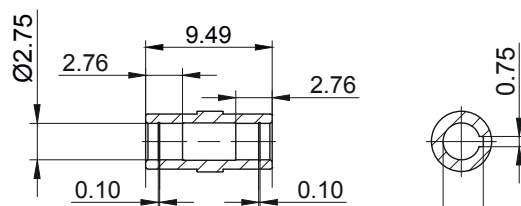


Foot with clearance holes at bottom

Code -1.U/



Code -4/K70



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

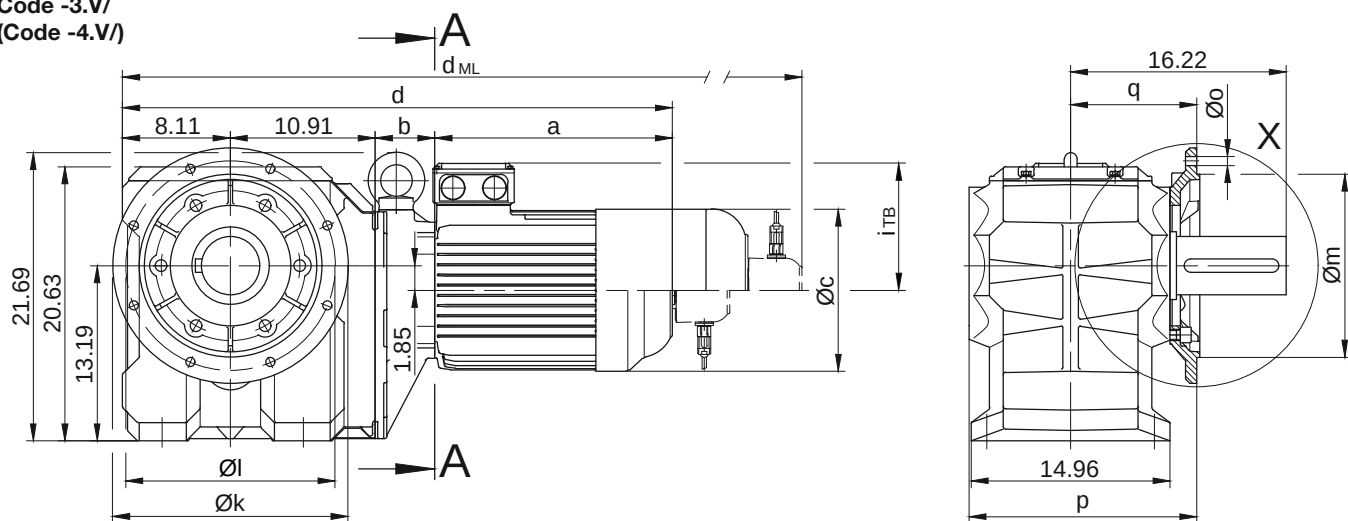
Dimension - Standard Imperial

BK80 - BK80Z

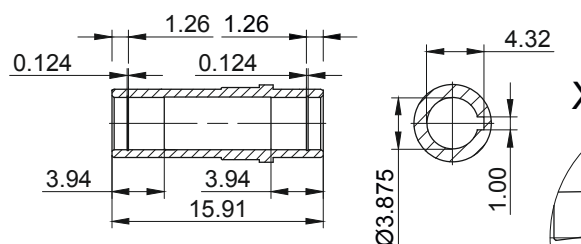
Flange with clearance holes at front

Code -3.V/

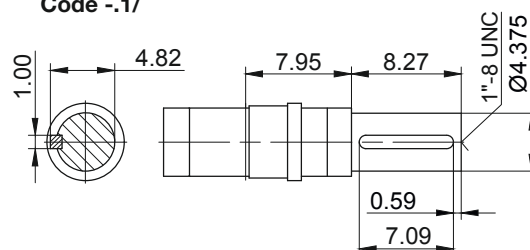
(Code -4.V/)



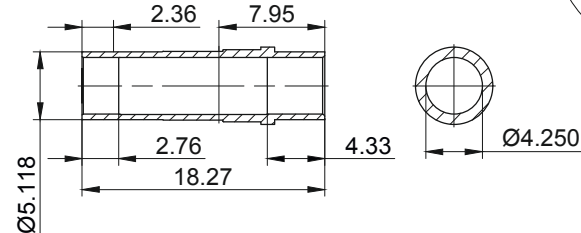
Code -.4/



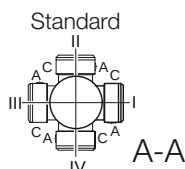
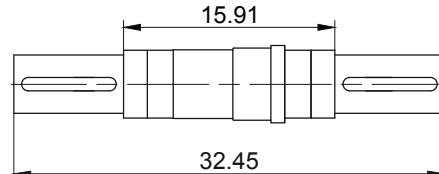
Code -.1/



Code -.5/



Code -.3/



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	p	q	s	t	
BK80..	Code -3.V/	17.717	15.748	13.780	0.866	0.689	17.283	9.646	0.197	6.616	
BK80..	Code -4.V/	21.654	19.685	17.717	0.866	0.689	17.480	9.843	0.197	6.420	
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}
BK80Z-../D..09.A.	9.86	9.94	6.93	38.82	4.88	6.18	42.48	43.06	46.58	42.48
BK80Z-../D..09.B.	12.15	9.94	6.93	41.10	4.88	6.18	44.76	45.32	48.86	44.76
BK80-../D..11.A.	12.56	3.43	8.58	35.00	6.50	6.93	38.86	39.24	42.88	38.86
BK80Z-../D..11.A.	12.56	10.20	8.58	41.77	6.50	6.93	38.86	46.01	49.65	45.63
BK80-../D..11.B.	15.24	3.43	8.58	37.68	6.50	6.93	41.46	41.91	45.56	41.46
BK80Z-../D..11.B.	15.24	10.20	8.58	44.45	6.50	6.93	48.23	48.69	52.33	48.23
BK80-../D..13.A.	15.47	3.94	10.16	38.43	8.54	8.54	42.80	42.64	46.78	42.68
BK80Z-../D..13.A.	15.47	10.71	10.16	45.20	8.54	8.54	49.57	49.41	53.55	49.45
BK80-../D..16.B.	17.89	4.49	12.20	41.40	9.57	9.57	47.05	45.61	51.13	47.05
BK80Z-../D..16.B.	17.89	11.26	12.20	48.17	9.57	9.57	53.82	52.39	57.90	53.82
BK80-../D..18.B.	21.34	5.35	13.70	45.71	11.34	11.34	47.91	49.87	55.67	51.59
BK80Z-../D..18.B.	21.34	12.13	13.70	52.48	11.34	11.34	54.69	56.64	62.44	58.37
BK80-../D..20.A.	27.70	6.02	14.29	52.74	11.89	11.89	57.76	56.89	61.91	52.74
BK80-../D..22.A.	27.70	6.02	14.29	52.74	11.89	11.89	57.76	56.89	61.91	52.74

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

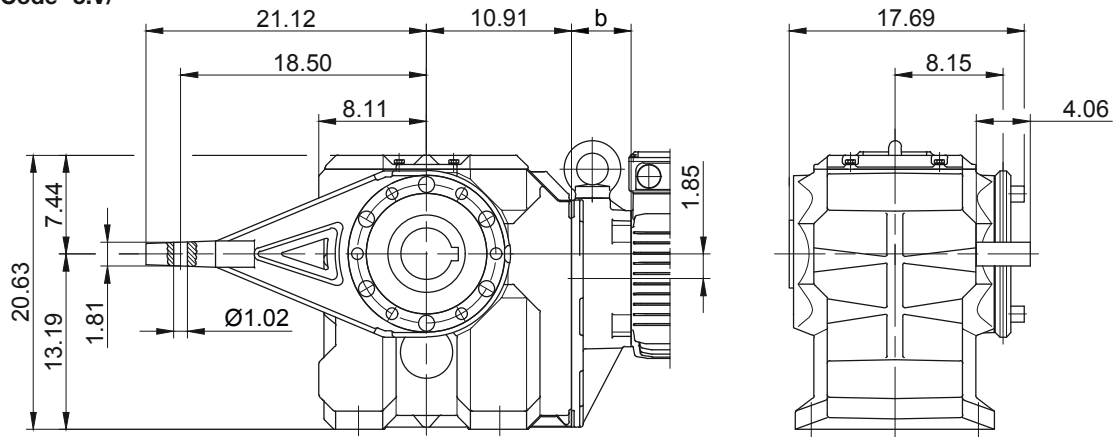
BK-series bevel-geared motors

Dimension - Standard Imperial

BK80 - BK80Z

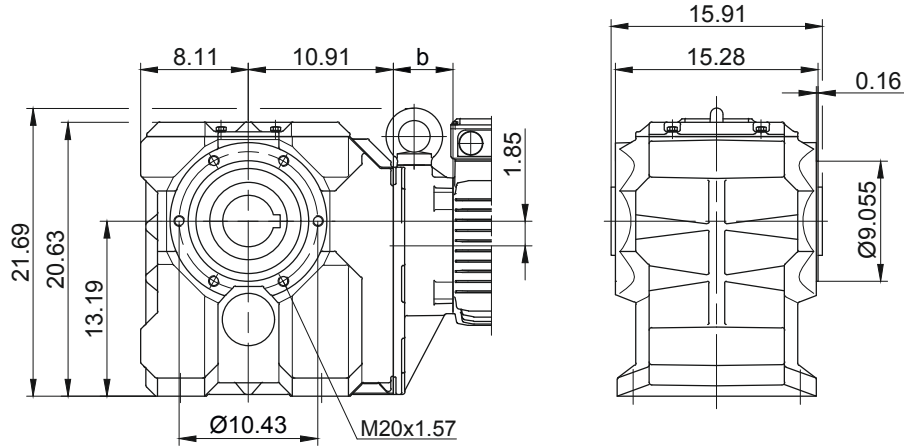
Torque arm at front

Code -5.V/



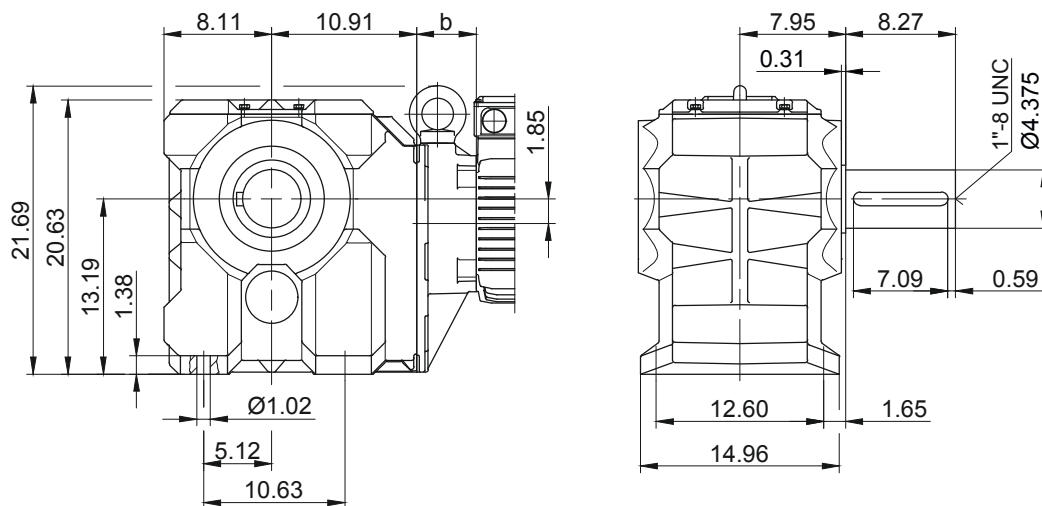
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

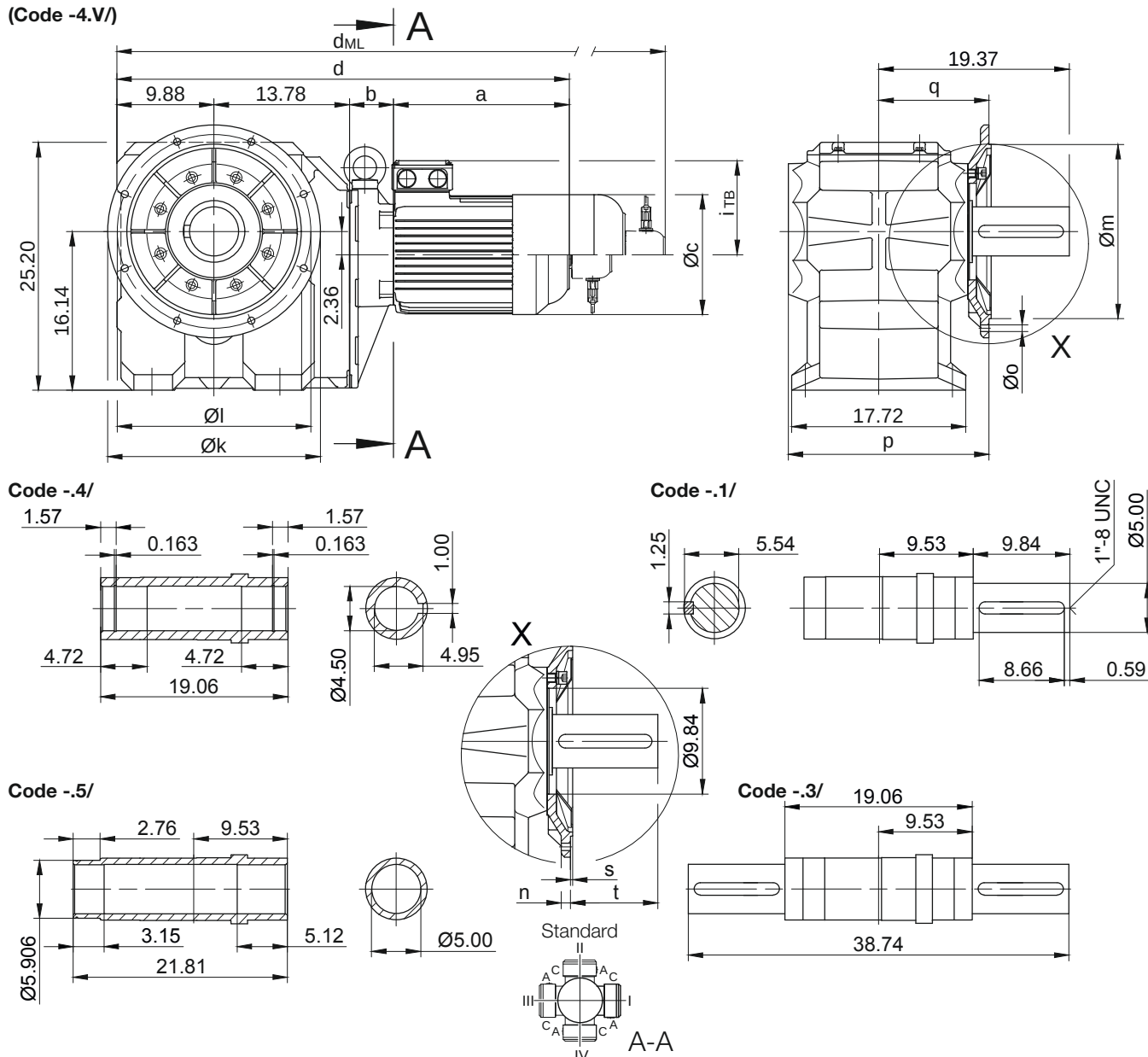
Dimension - Standard Imperial

BK90 - BK90Z

Flange with clearance holes at front

Code -3.V/

(Code -4.V/)



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	p	q	s	t	
BK90..	Code -3.V/	21.654	19.685	17.717	0.866	0.689	20.433	11.220	0.197	8.186	
BK90..	Code -4.V/	25.984	23.622	21.654	0.984	0.866	20.197	10.984	0.236	8.462	
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}
BK90Z-../D..09.A.	9.86	10.51	6.93	44.04	4.88	6.18	47.70	48.27	51.80	47.70
BK90Z-../D..09.B.	12.15	10.51	6.93	46.32	4.88	6.18	49.98	50.54	54.08	49.98
BK90Z-../D..11.A.	12.56	10.77	8.58	46.99	6.50	6.93	50.85	51.22	54.87	50.85
BK90Z-../D..11.B.	15.24	10.77	8.58	49.67	6.50	6.93	53.44	53.90	57.54	53.44
BK90-../D..13.A.	15.47	3.94	10.16	43.07	8.54	8.54	47.44	47.29	51.42	47.32
BK90Z-../D..13.A.	15.47	11.28	10.16	50.41	8.54	8.54	54.78	54.63	58.76	54.67
BK90-../D..16.B.	17.89	4.49	12.20	46.04	9.57	9.57	51.69	50.26	55.77	51.69
BK90Z-../D..16.B.	17.89	11.83	12.20	53.39	9.57	9.57	59.04	57.60	63.11	59.04
BK90-../D..18.B.	21.34	5.35	13.70	50.35	11.34	11.34	56.24	54.51	60.32	56.24
BK90Z-../D..18.B.	21.34	12.70	13.70	57.70	11.34	11.34	63.58	61.85	67.66	63.58
BK90-../D..20.A.	27.70	6.02	14.29	57.38	11.89	11.89	62.40	61.54	66.56	57.38
BK90-../D..22.A.	27.70	6.02	14.29	57.38	11.89	11.89	62.40	61.54	66.56	57.38

Dimensions in inch

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

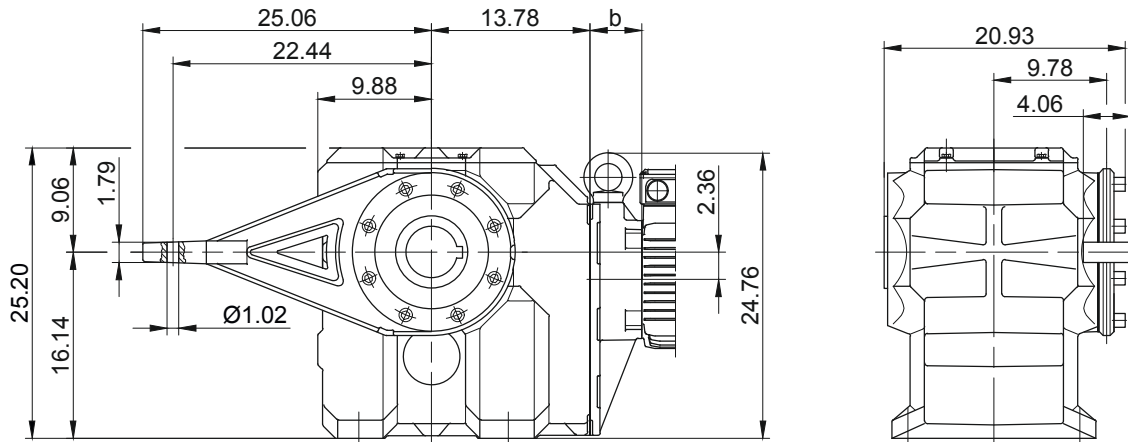
BK-series bevel-geared motors

Dimension - Standard Imperial

BK90 - BK90Z

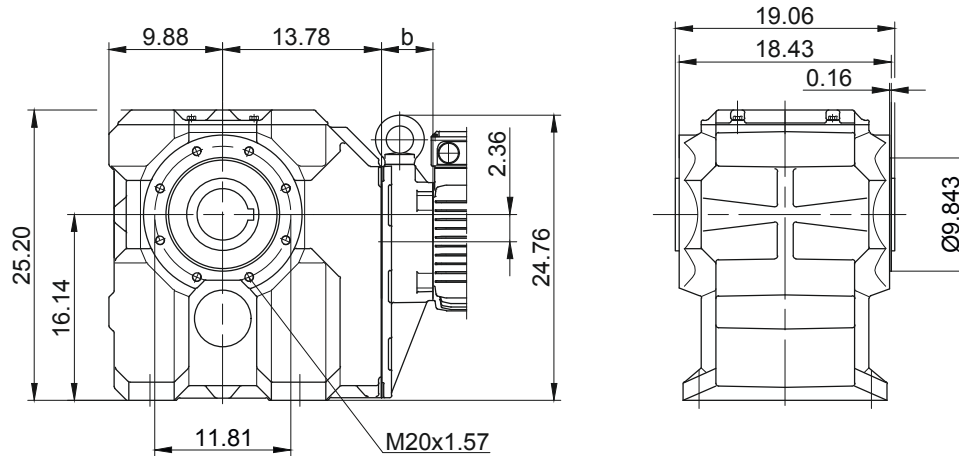
Torque arm at front

Code -5.V/



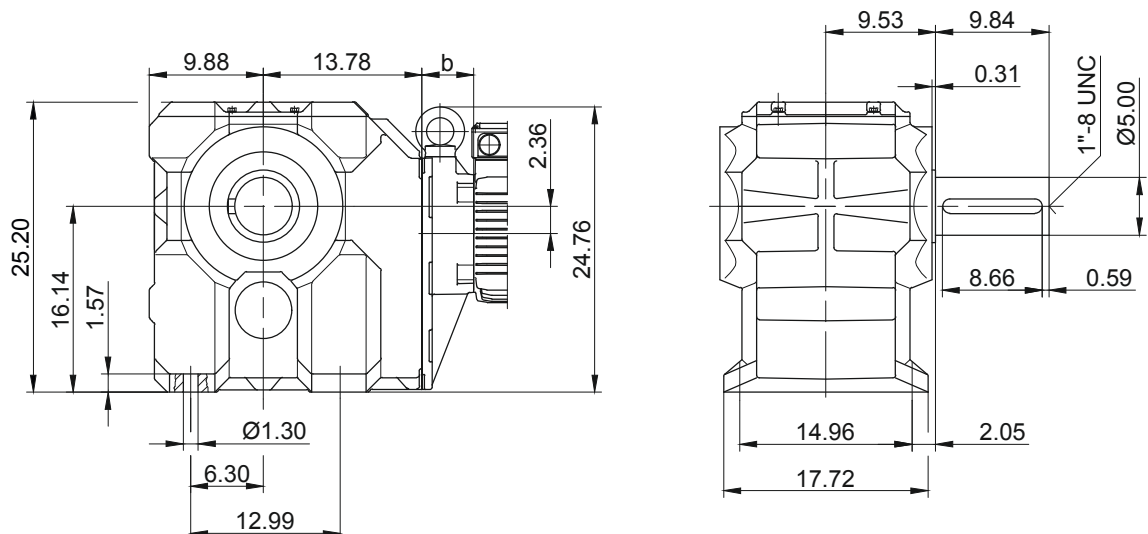
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

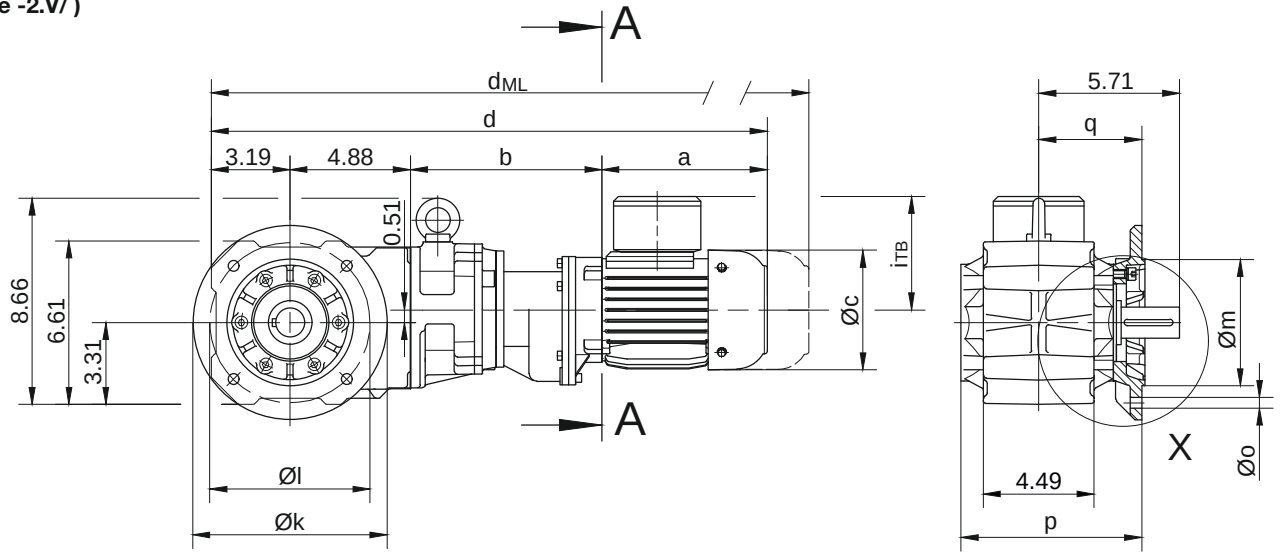
Dimension -Tandem Gearbox Imperial

BK10G06

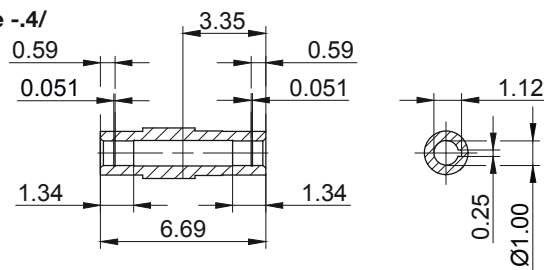
Flange with clearance holes at front

Code -3.V/

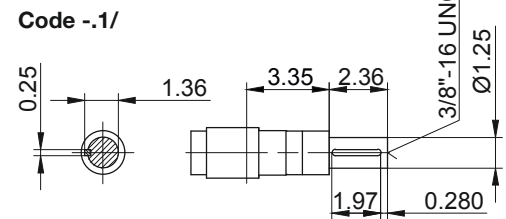
(Code -2.V/)



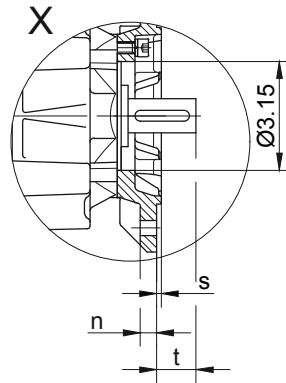
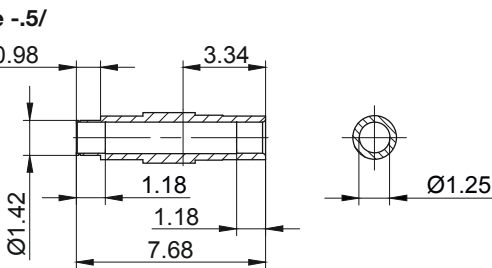
Code -4/



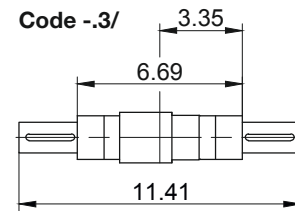
Code -1/



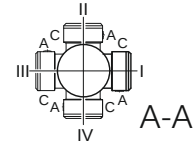
Code -5/



Code -3/



Standard



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK10..	Code -3.V/	7.874	6.496	5.118	0.472	0.433	7.343	4.173	0.138	1.533
BK10..	Code -2.V/	6.299	5.118	4.331	0.394	0.354	7.067	3.898	0.138	1.809

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}
BK10G06-.../D04.A.	5.61	7.60	4.35	21.28	3.54	4.41	22.99	24.72	26.43	-
BK10G06-.../D..05.A.	6.72	7.68	4.84	22.46	3.98	4.61	24.12	26.50	27.98	-
BK10G06-.../D..06.A.	6.70	7.68	4.84	22.45	3.90	4.69	24.11	26.49	27.96	-
BK10G06-.../D..07.A.	7.49	7.68	4.84	23.24	3.90	4.69	24.89	27.28	28.75	-
BK10G06-.../D..08.A.	7.85	9.41	6.14	25.33	4.51	5.37	27.93	29.74	32.17	27.93
BK10G06-.../D..08.B.	9.04	9.41	6.14	26.52	4.51	5.37	29.11	30.93	33.33	29.11

Dimensions in inch

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

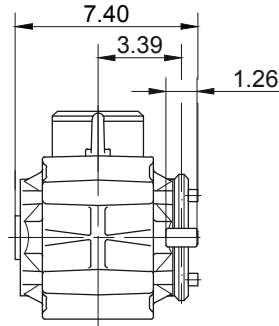
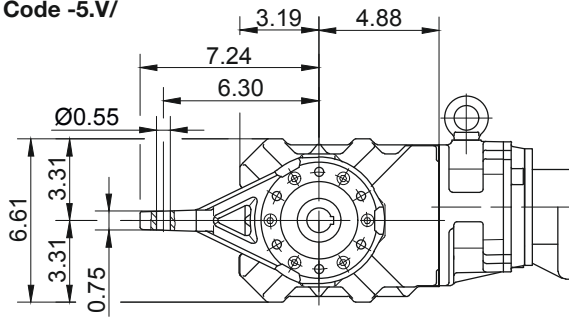
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK10G06

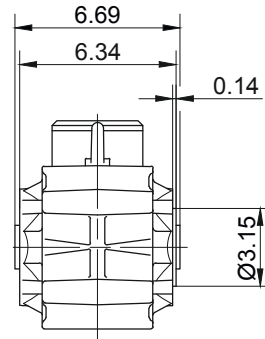
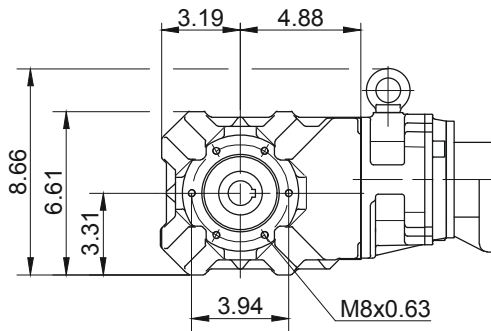
Torque arm at front

Code -5.V/



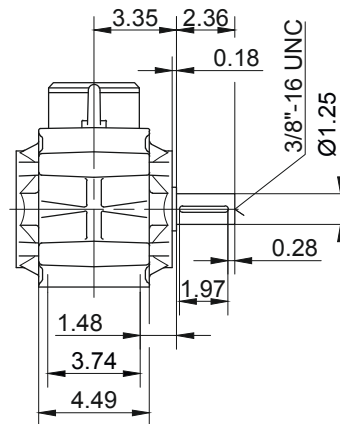
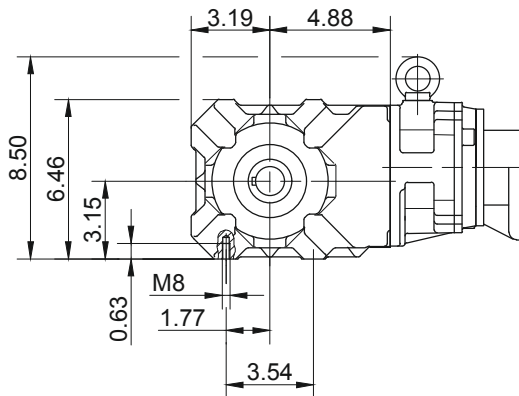
Flange with tapped holes at front

Code -7.V/



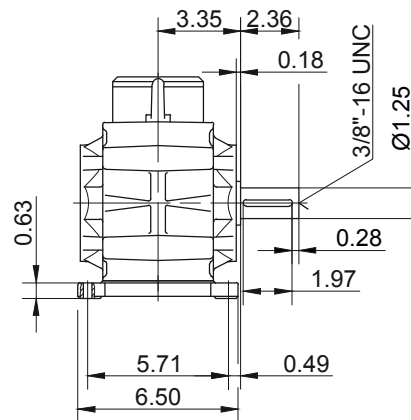
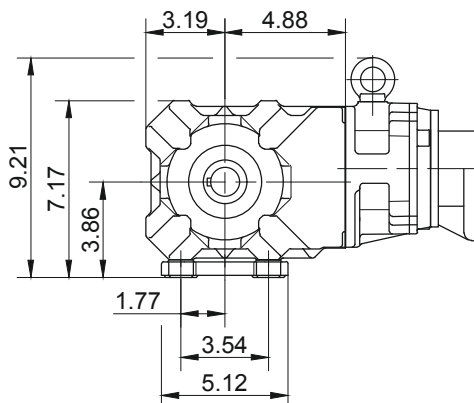
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

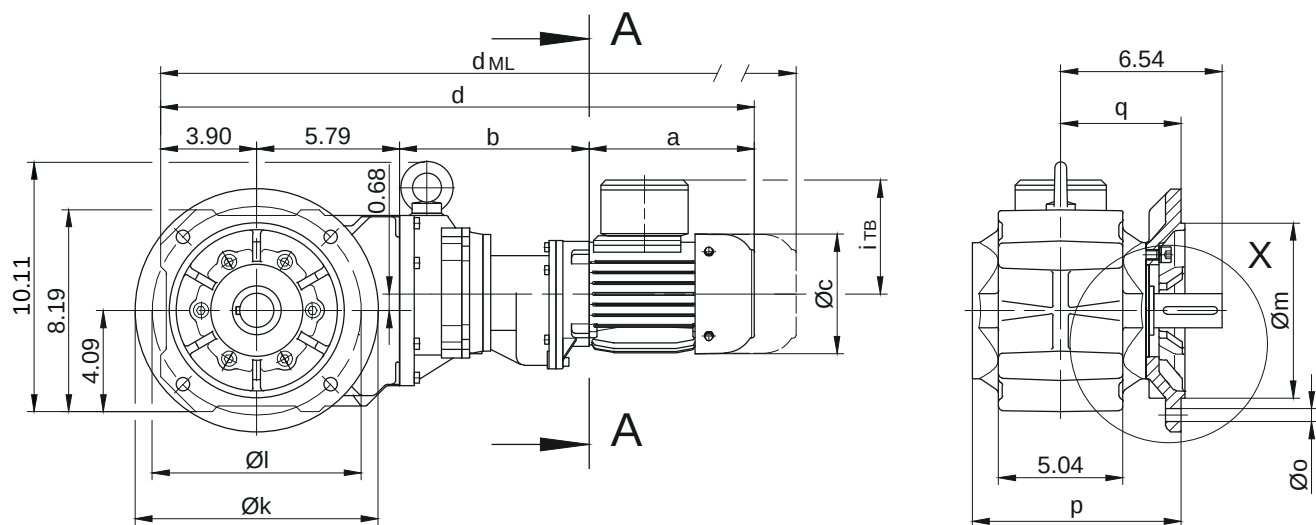
Dimension -Tandem Gearbox Imperial

BK20G06

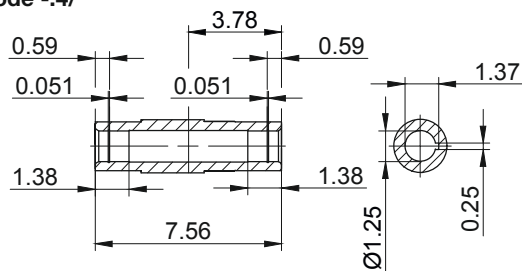
Flange with clearance holes at front

Code -3.V/

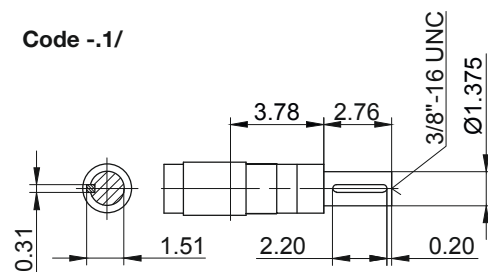
(Code -2.V/)



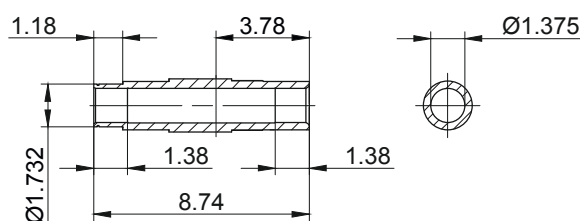
Code -4/



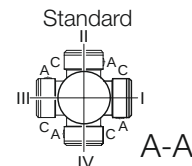
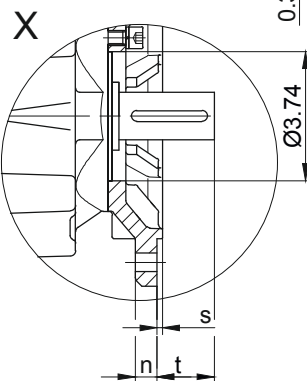
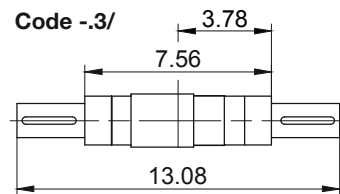
Code -1/



Code -5/



Code -3/



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK20..	Code -3.V/	9.843	8.465	7.087	0.630	0.531	8.484	4.882	0.157	1.677
BK20..	Code -2.V/	7.874	6.496	5.118	0.472	0.433	8.130	4.528	0.138	2.012

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
BK20G06-.../D04.A.	5.61	7.60	4.35	21.28	3.54	4.41	d_ML	d_ML	d_ML
BK20G06-.../D..05.A.	6.72	7.68	4.84	22.46	3.98	4.61	22.99	24.72	26.43
BK20G06-.../D..06.A.	6.70	7.68	4.84	22.45	3.90	4.69	24.12	26.50	27.98
BK20G06-.../D..07.A.	7.49	7.68	4.84	23.24	3.90	4.69	24.11	26.49	27.96
BK20G06-.../D..08.A.	7.85	9.41	6.14	25.33	4.51	5.37	24.89	27.28	28.75
BK20G06-.../D..08.B.	9.04	9.41	6.14	26.52	4.51	5.37	27.93	29.74	32.17
							29.11	30.93	33.33

Dimensions in inch

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

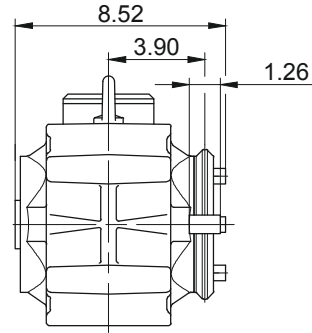
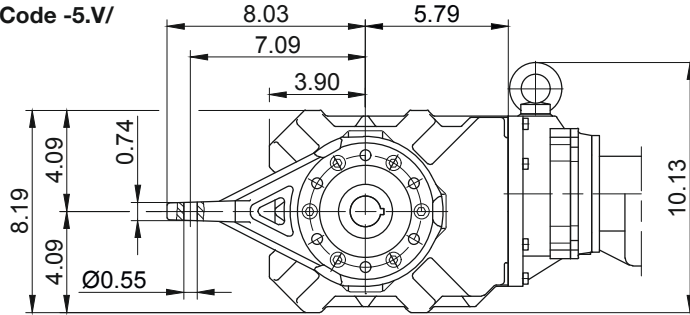
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK20G06

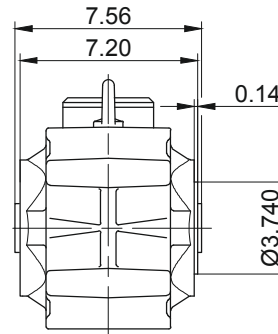
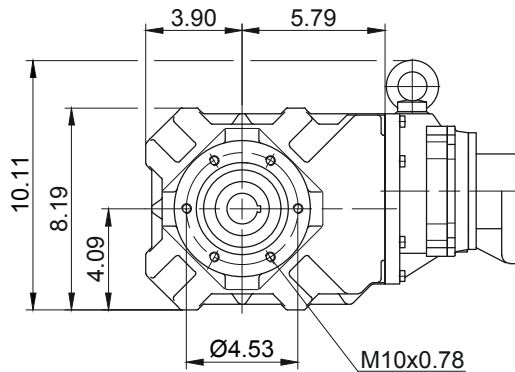
Torque arm at front

Code -5.V/



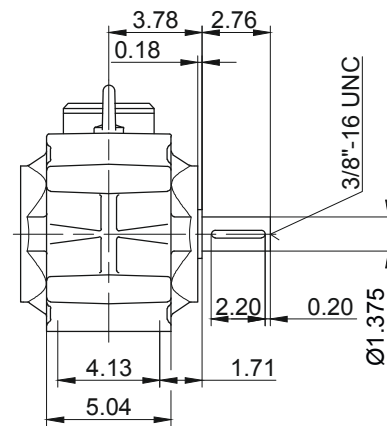
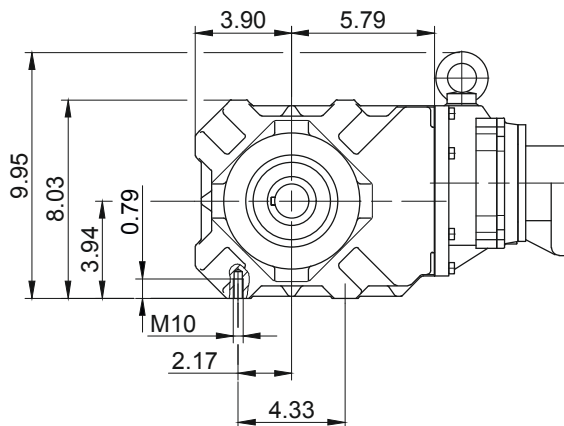
Flange with tapped holes at front

Code -7.V/



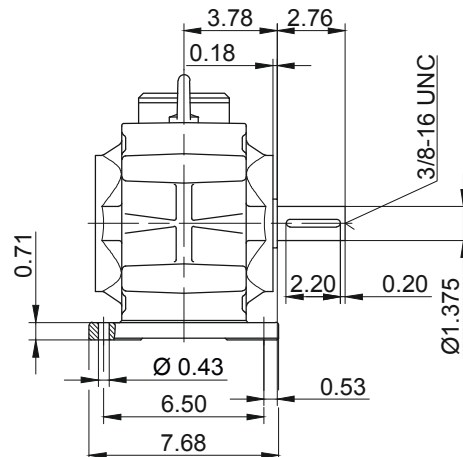
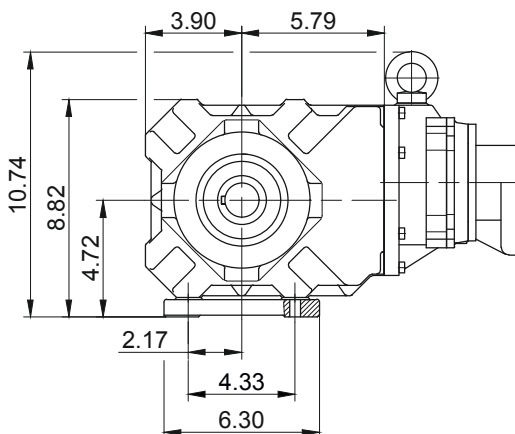
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

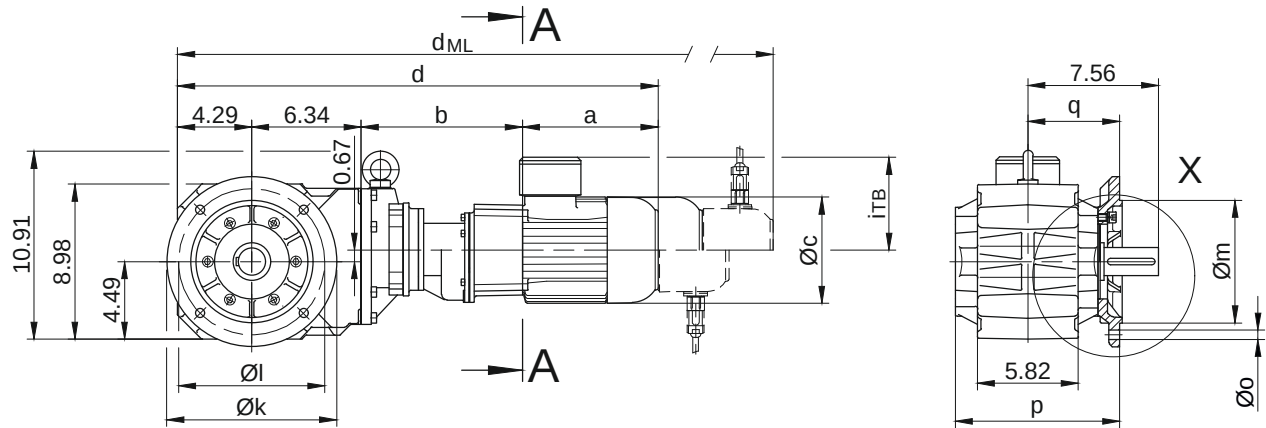
Dimension -Tandem Gearbox Imperial

BK30G06

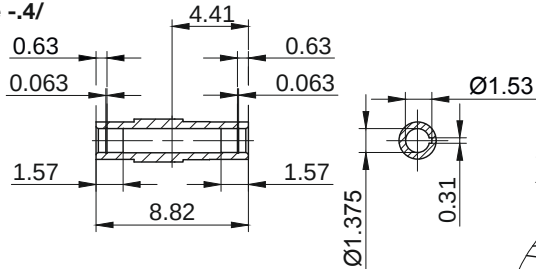
Flange with clearance holes at front

Code -3.V/

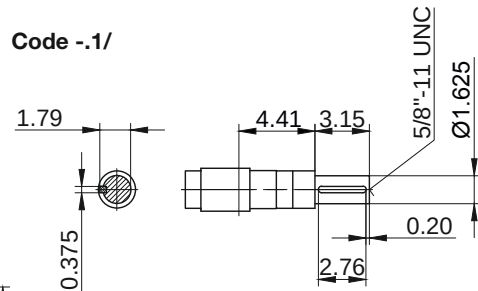
(Code -2.V/)



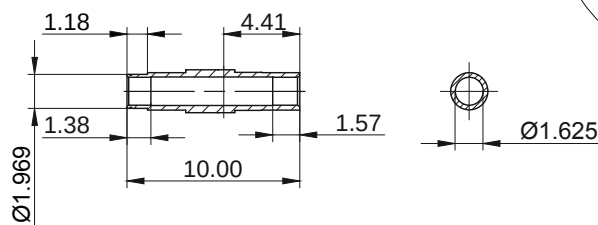
Code -4/



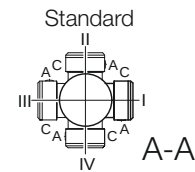
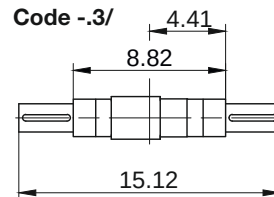
Code -1/



Code -5/



Code -3/



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	p	q	s	t	
BK30..	Code -3.V/	9.843	8.465	7.087	0.630	0.531	9.528	5.315	0.157	2.244	
BK30..	Code -2.V/	7.874	6.496	5.118	0.472	0.433	9.409	5.197	0.138	2.343	

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}
BK30G06-.../D04.A.	5.61	7.52	4.35	23.76	3.54	4.41	25.47	27.20	28.91	-
BK30G06-.../D..05.A.	6.72	7.60	4.84	24.94	3.98	4.61	26.59	28.98	30.46	-
BK30G06-.../D..06.A.	6.70	7.60	4.84	24.93	3.90	4.69	26.59	28.97	30.44	-
BK30G06-.../D..07.A.	7.49	7.60	4.84	25.72	3.90	4.69	27.37	29.76	31.23	-
BK30G06-.../D..08.A.	7.85	9.33	6.14	27.81	4.51	5.37	30.41	32.22	34.65	30.41
BK30G06-.../D..08.B.	9.04	9.33	6.14	29.00	4.51	5.37	31.59	33.41	35.81	31.59

Dimensions in inch

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

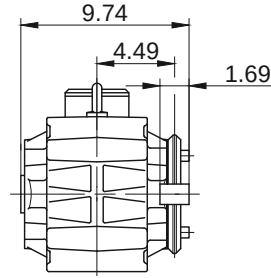
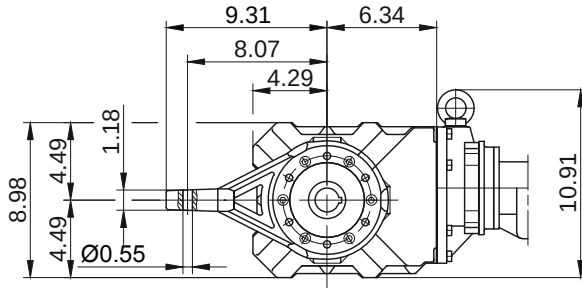
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK30G06

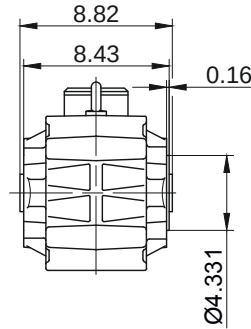
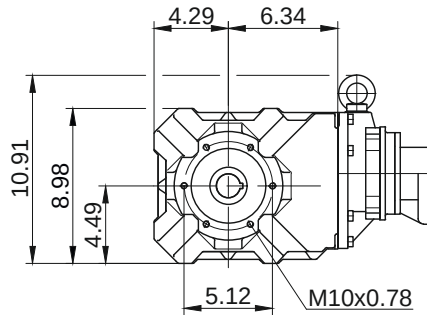
Torque arm at front

Code -5.V/



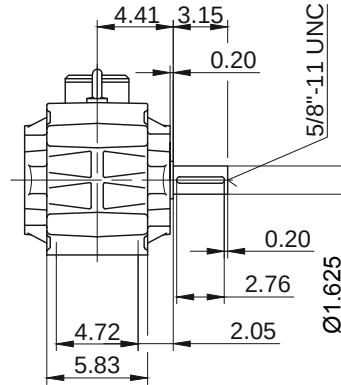
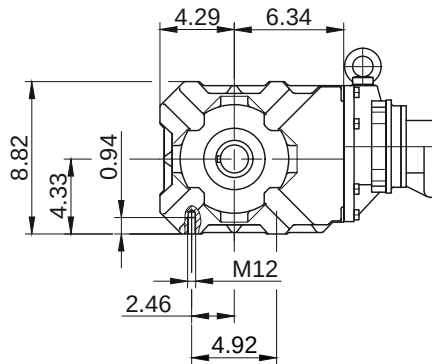
Flange with tapped holes at front

Code -7.V/



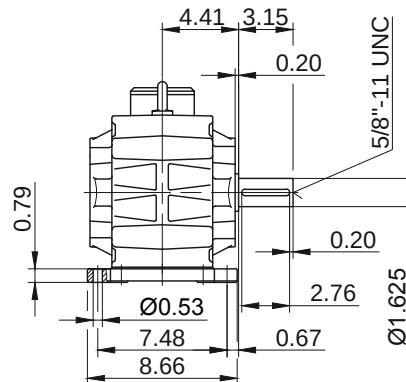
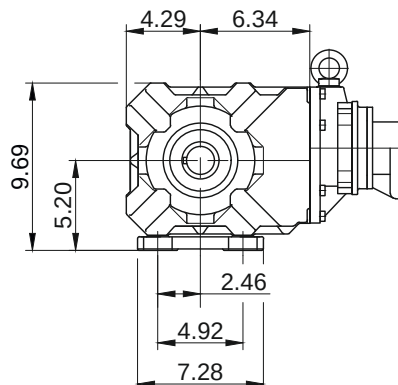
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

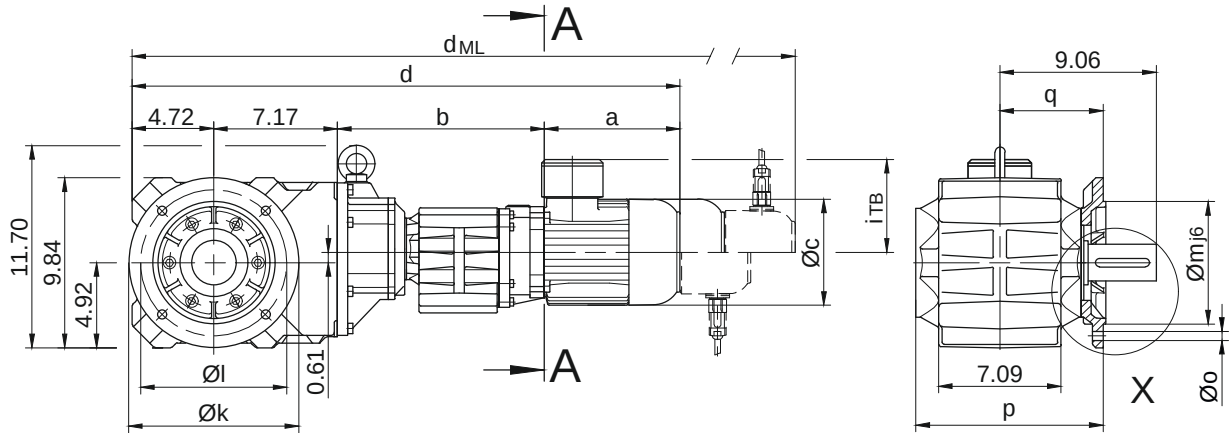
Dimension -Tandem Gearbox Imperial

BK40G10

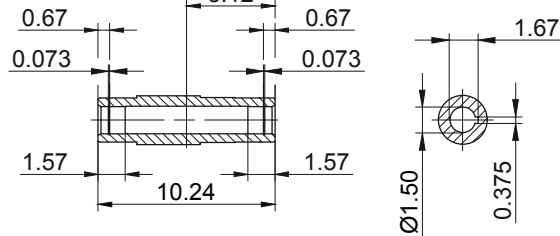
Flange with clearance holes at front

Code -3.V/

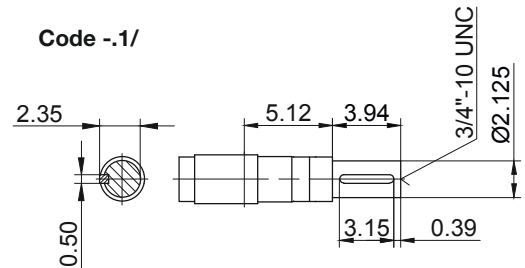
(Code -4.V/)



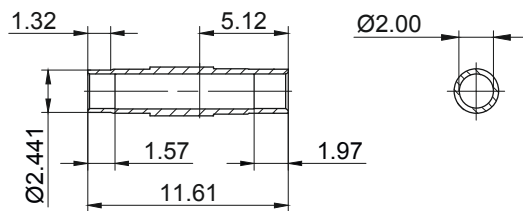
Code -4/



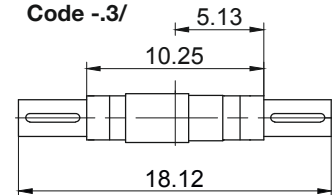
Code -1/



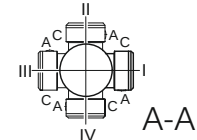
Code -5/



Code -3/



Standard



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK40..	Code -3.V/	9.843	8.465	7.087	0.630	0.531	10.866	5.984	0.157	3.074
BK40..	Code -4.V/	11.811	10.433	9.055	0.787	0.531	11.102	6.220	0.157	2.838

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}
BK40G10-.../D..05.A.	6.72	11.81	4.84	30.42	3.98	4.61	32.07	34.45	35.93	-
BK40G10-.../D..06.A.	6.70	11.81	4.84	30.41	3.90	4.69	32.06	34.44	35.92	-
BK40G10-.../D..07.A.	7.49	11.81	4.84	31.19	3.90	4.69	32.85	35.23	36.70	-
BK40G10-.../D..08.A.	7.85	11.97	6.14	31.71	4.51	5.37	34.31	36.12	38.54	34.31
BK40G10-.../D..08.B.	9.04	11.97	6.14	32.89	4.51	5.37	35.49	37.30	39.70	35.49
BK40G10-.../D..09.A.	9.86	12.54	6.93	34.29	4.88	6.18	37.95	38.53	42.05	37.95
BK40G10-.../D..09.B.	12.15	12.54	6.93	36.57	4.88	6.18	40.24	40.79	44.33	40.24

Dimensions in inch

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

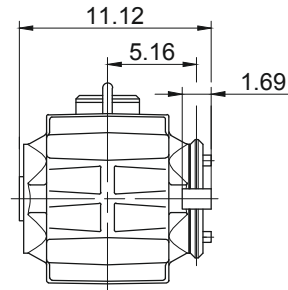
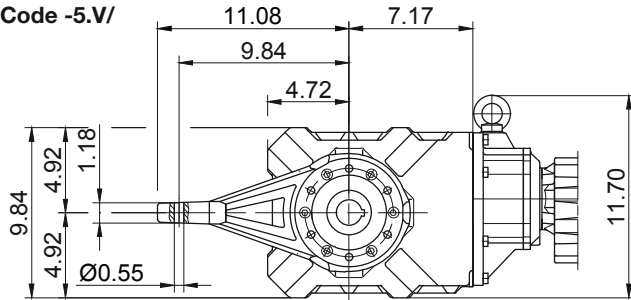
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK40G10

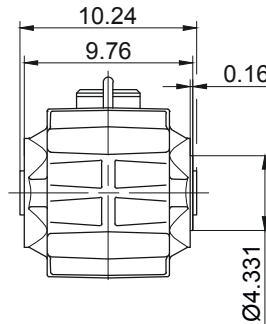
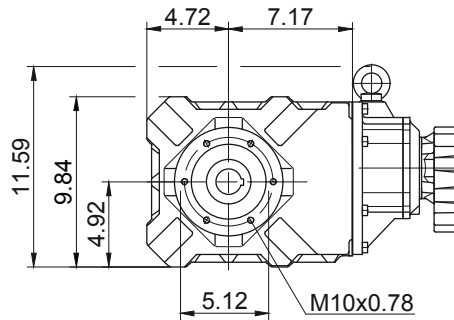
Torque arm at front

Code -5.V/



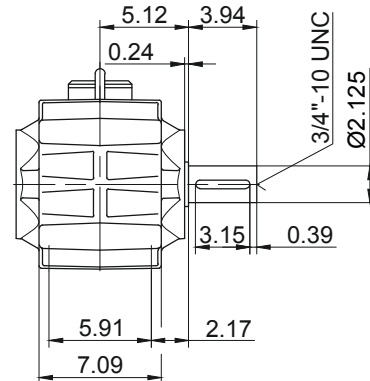
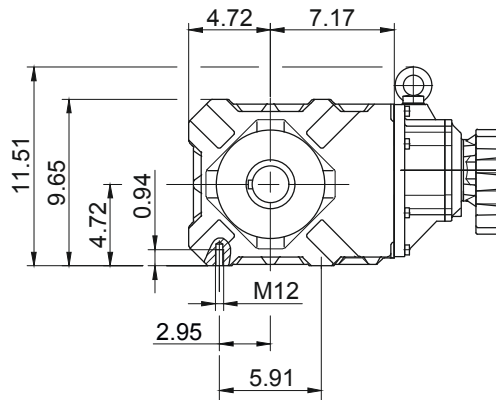
Flange with tapped holes at front

Code -7.V/



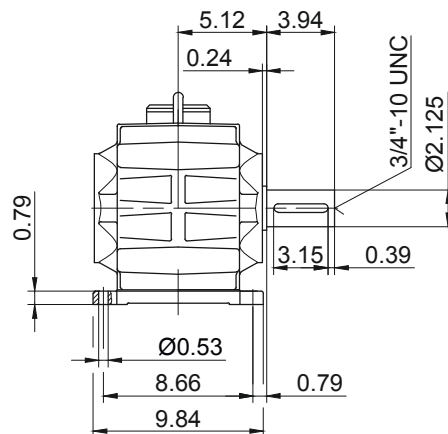
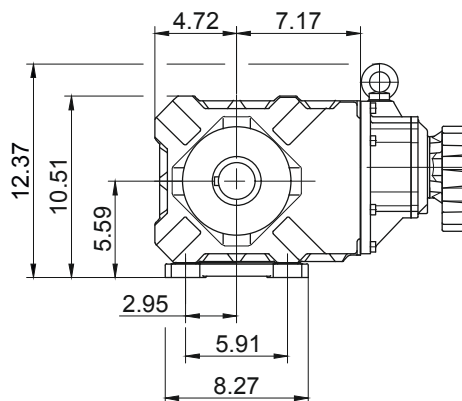
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

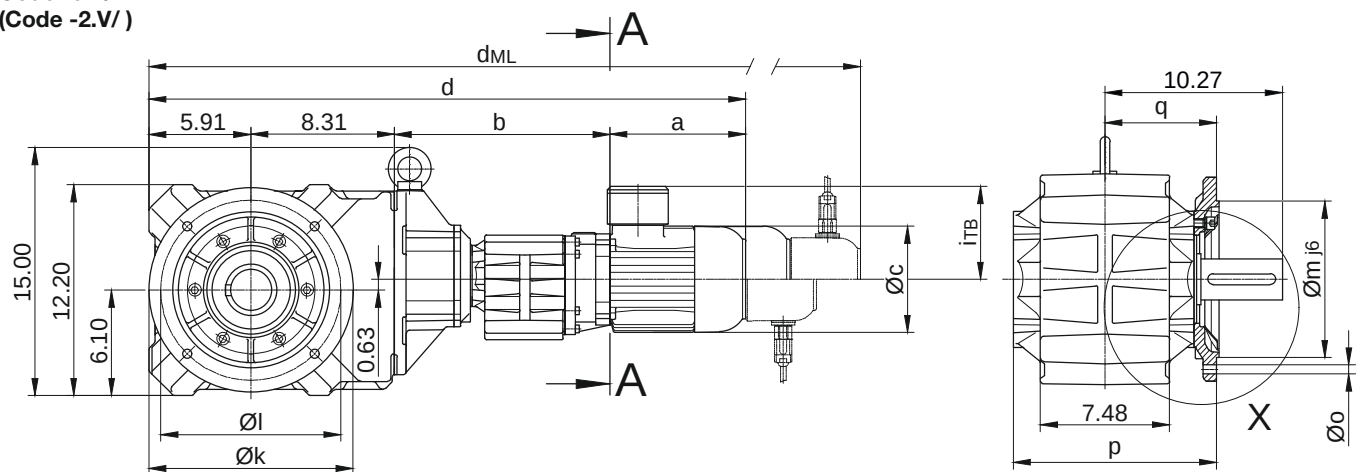
Dimension -Tandem Gearbox Imperial

BK50G10

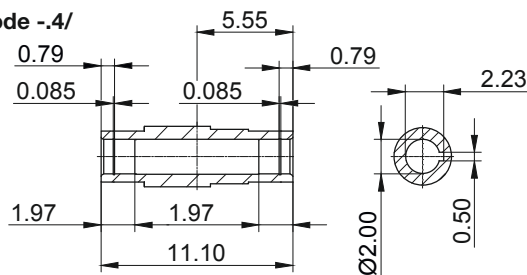
Flange with clearance holes at front

Code -3.V/

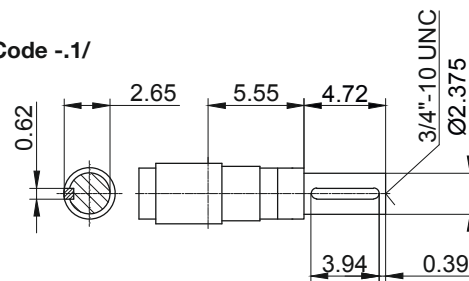
(Code -2.V/)



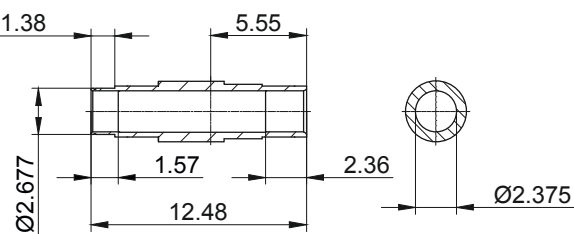
Code -4/



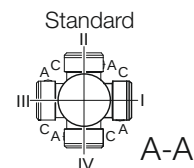
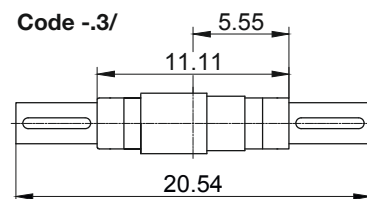
Code -1/



Code -5/



Code -3/



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK50..	Code -3.V/	11.811	10.433	9.055	0.787	0.531	11.772	6.457	0.157	3.814
BK50..	Code -2.V/	9.843	8.465	7.087	0.630	0.531	11.654	6.339	0.157	3.933

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	iT _B	Design with motor extensions			
							Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK50G10-.../D..05.A.	6.72	12.32	4.84	33.25	3.98	4.61	34.91	37.29	38.76	-
BK50G10-.../D..06.A.	6.70	12.32	4.84	33.24	3.90	4.69	34.89	37.28	38.75	-
BK50G10-.../D..07.A.	7.49	12.32	4.84	34.03	3.90	4.69	35.68	38.06	39.54	-
BK50G10-.../D..08.A.	7.85	12.48	6.14	34.55	4.51	5.37	37.15	38.96	41.38	37.15
BK50G10-.../D..08.B.	9.04	12.48	6.14	35.73	4.51	5.37	38.33	40.14	42.54	38.33
BK50G10-.../D..09.A.	9.86	13.05	6.93	37.13	4.88	6.18	40.79	41.36	44.89	40.79
BK50G10-.../D..09.B.	12.15	13.05	6.93	39.41	4.88	6.18	43.07	43.63	47.17	43.07

Dimensions in inch

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

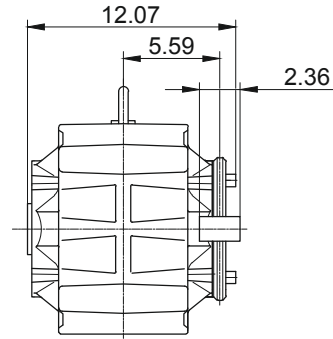
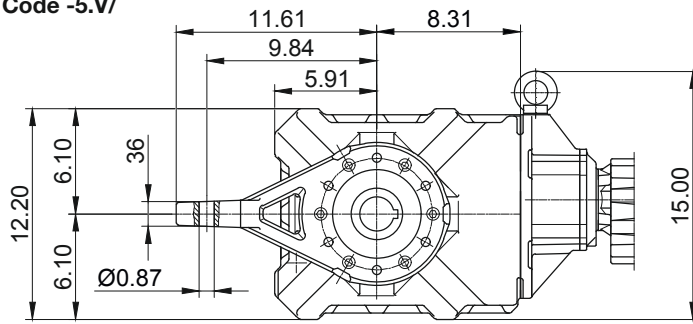
BK-series bevel-gear motors

Dimension -Tandem Gearbox Imperial

BK50G10

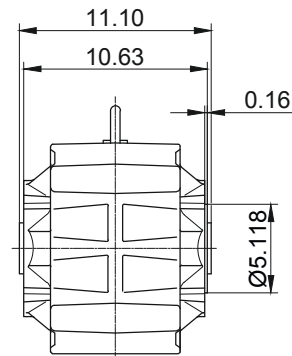
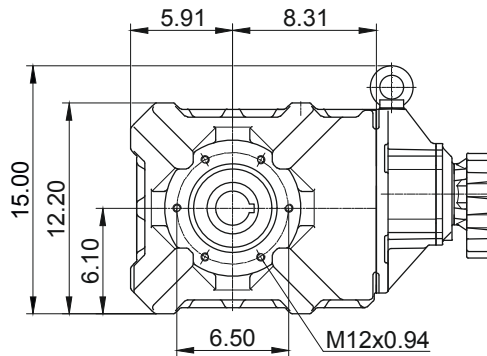
Torque arm at front

Code -5.V/



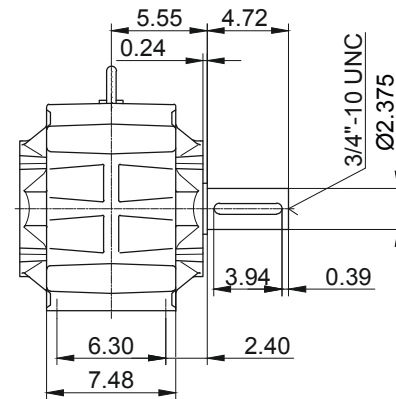
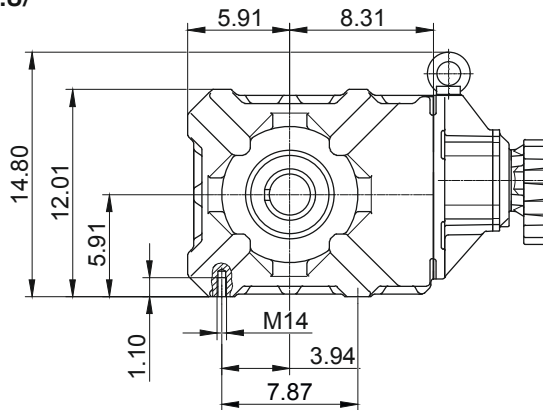
Flange with tapped holes at front

Code -7.V/



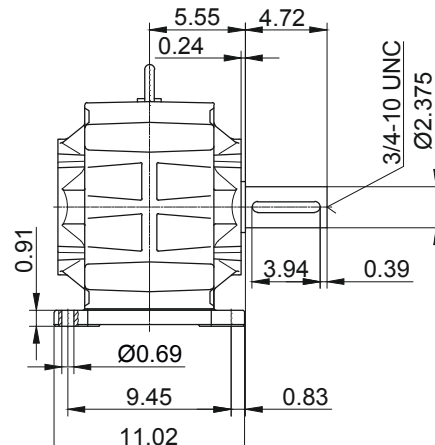
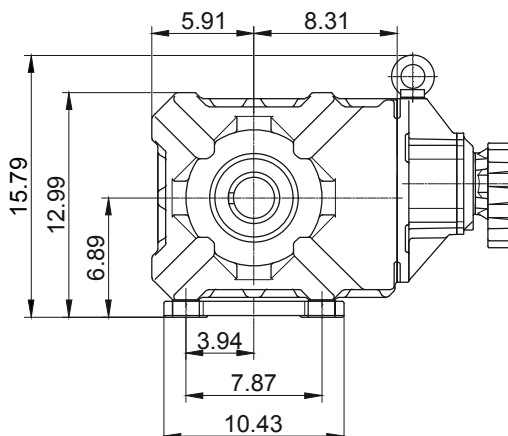
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

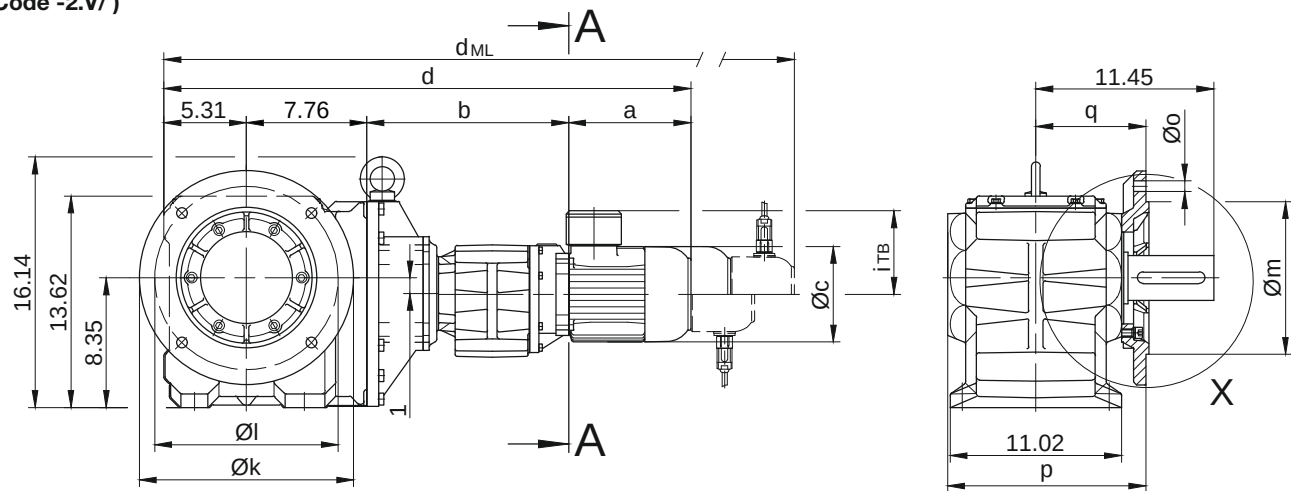
Dimension -Tandem Gearbox Imperial

BK60G20

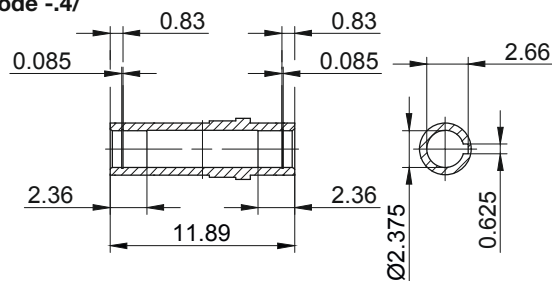
Flange with clearance holes at front

Code -3.V/

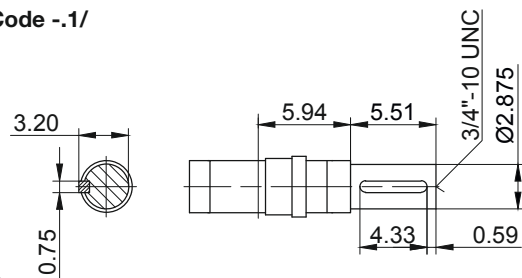
(Code -2.V/)



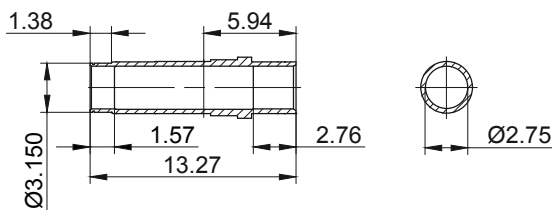
Code -4/



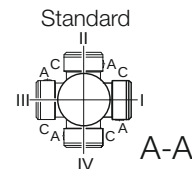
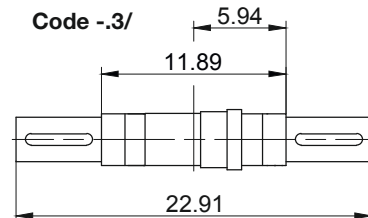
Code -1/



Code -5/



Code -3/



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK60..	Code -3.V/	13.780	11.811	9.843	0.787	0.689	12.756	7.087	0.197	4.408
BK60..	Code -2.V/	11.811	10.433	9.055	0.787	0.531	13.071	7.402	0.157	4.053

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}
BK60G20-.../D..05.A.	6.72	12.83	4.84	32.62	3.98	4.61	34.28	36.66	38.13	-
BK60G20-.../D..06.A.	6.70	12.83	4.84	32.61	3.90	4.69	34.26	36.65	38.12	-
BK60G20-.../D..07.A.	7.49	12.83	4.84	33.40	3.90	4.69	35.05	37.43	38.91	-
BK60G20-.../D..08.A.	7.85	12.99	6.14	33.92	4.51	5.37	36.52	38.33	40.75	36.52
BK60G20-.../D..08.B.	9.04	12.99	6.14	35.10	4.51	5.37	37.70	39.51	41.91	37.70
BK60G20-.../D..09.A.	9.86	13.56	6.93	36.50	4.88	6.18	40.16	40.73	44.26	40.16
BK60G20-.../D..09.B.	12.15	13.56	6.93	38.78	4.88	6.18	42.44	43.00	46.54	42.44

Dimensions in inch

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

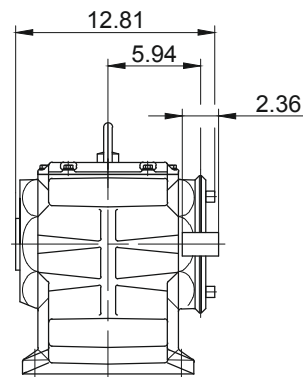
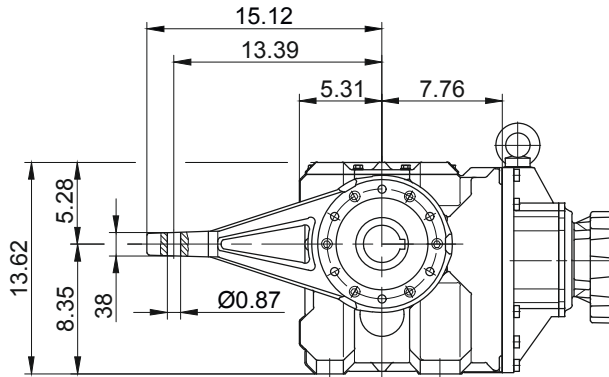
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK60G20

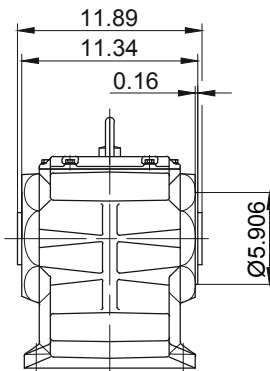
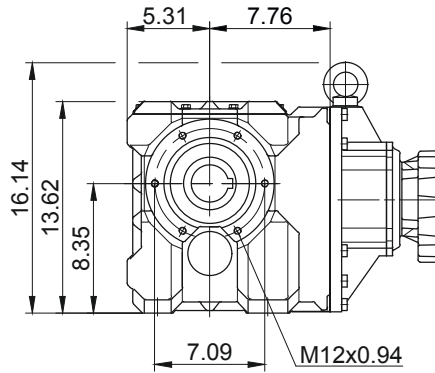
Torque arm at front

Code -5.V/



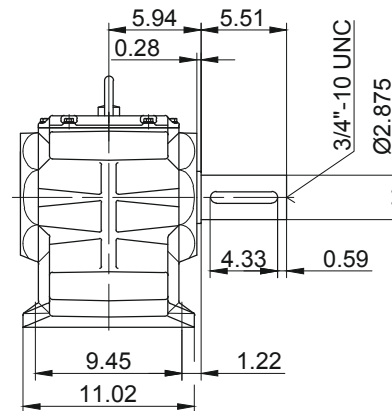
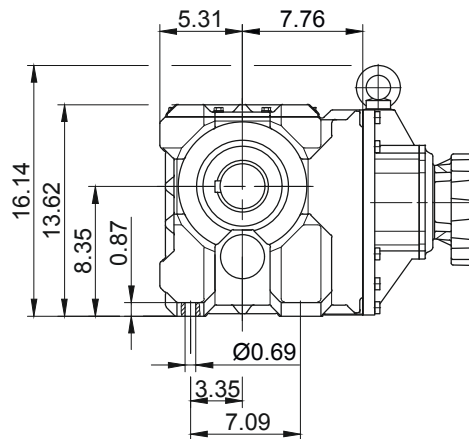
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

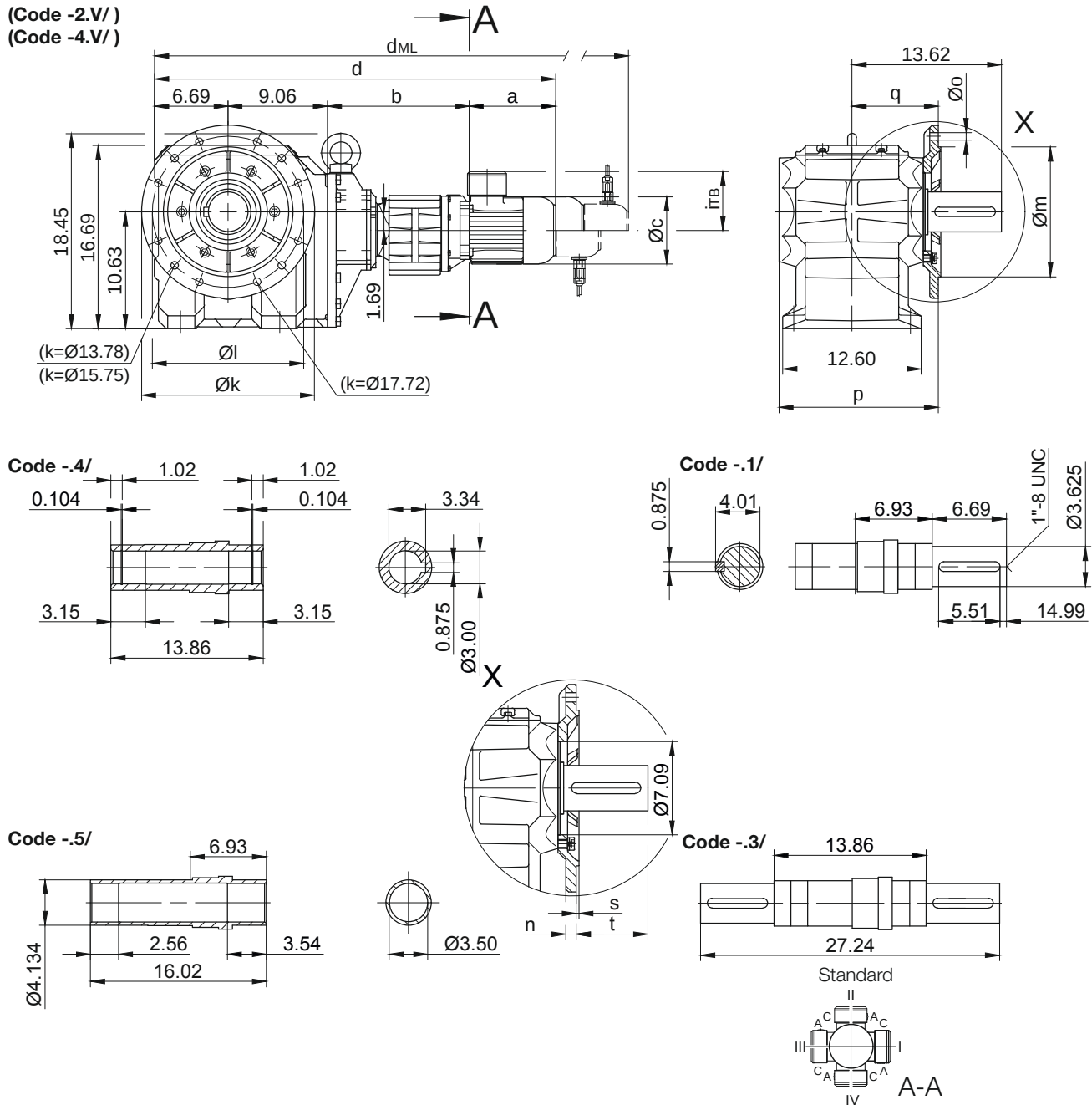
BK70G20

Flange with clearance holes at front

Code -3.V/

(Code -2.V/)

(Code -4.V/)



Flange Dimensions										
Type	Design	k	l	m	n	o	p	q	s	t
BK70..	Code -3.V/	15.748	13.780	11.811	0.787	4 x 0.689	14.528	7.874	0.197	5.784
BK70..	Code -2.V/	13.780	11.811	9.843	0.787	4 x 0.689	14.528	7.874	0.197	5.784
BK70..	Code -4.V/	17.717	15.748	13.780	0.866	8 x 0.689	14.921	8.268	0.197	5.391

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}
BK70G20-.../D..05.A.	6.72	12.83	4.84	35.30	3.98	4.61	36.95	39.33	40.81	-
BK70G20-.../D..06.A.	6.70	12.83	4.84	35.29	3.90	4.69	36.94	39.32	40.80	-
BK70G20-.../D..07.A.	7.49	12.83	4.84	36.07	3.90	4.69	37.73	40.11	41.59	-
BK70G20-.../D..08.A.	7.85	12.99	6.14	36.59	4.51	5.37	39.19	41.00	43.43	39.19
BK70G20-.../D..08.B.	9.04	12.99	6.14	37.78	4.51	5.37	40.37	42.19	44.59	40.37
BK70G20-.../D..09.A.	9.86	13.56	6.93	39.17	4.88	6.18	42.83	43.41	46.93	42.83
BK70G20-.../D..09.B.	12.15	13.56	6.93	41.46	4.88	6.18	45.12	45.67	49.22	45.12

Dimensions in inch

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

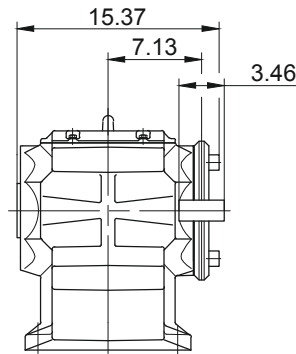
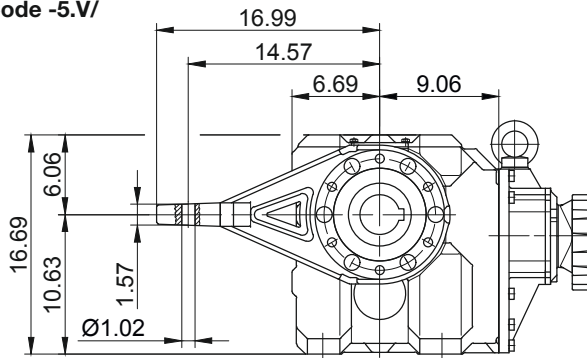
BK-series bevel-gearbed motors

Dimension -Tandem Gearbox Imperial

BK70G20

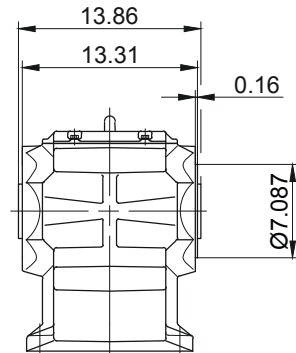
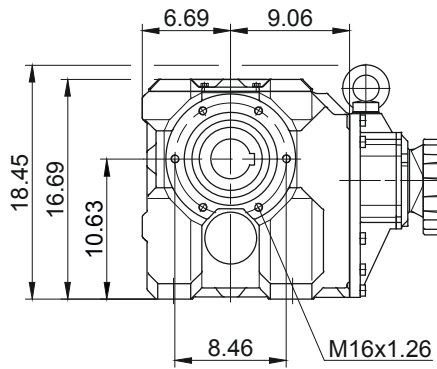
Torque arm at front

Code -5.V/



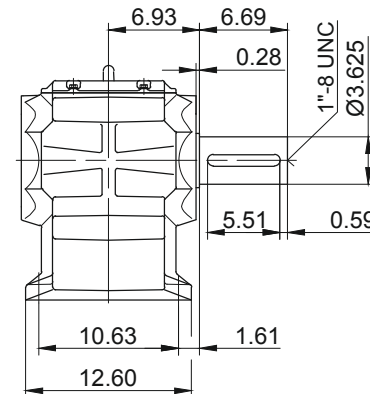
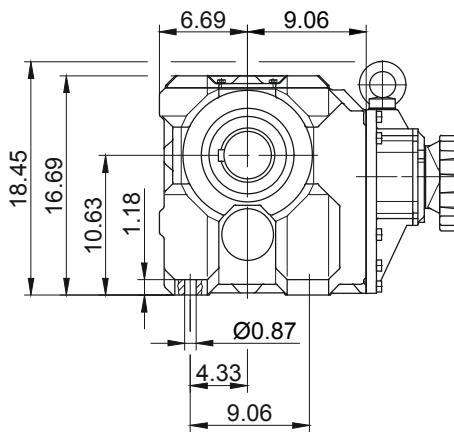
Flange with tapped holes at front

Code -7.V/

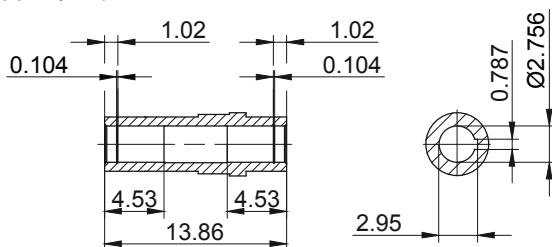


Foot with clearance holes at bottom

Code -1.U/



Code -4/K70



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

BK-series bevel-geared motors

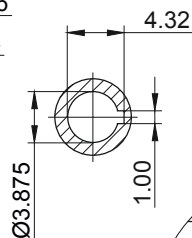
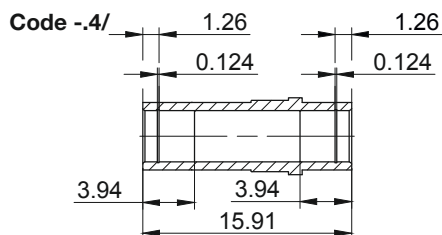
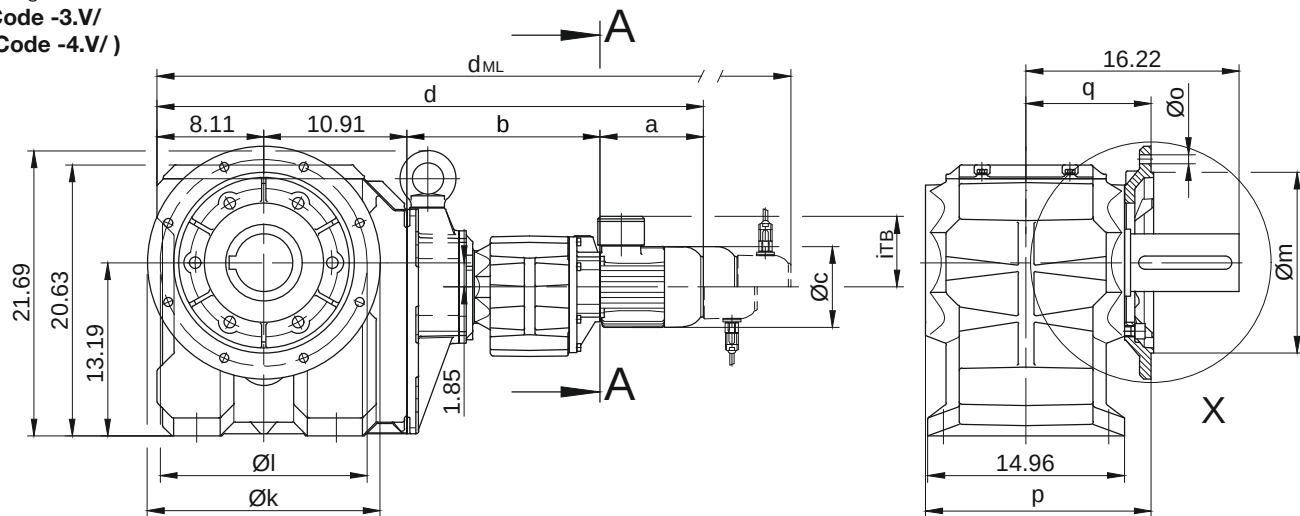
Dimension -Tandem Gearbox Imperial

BK80G40

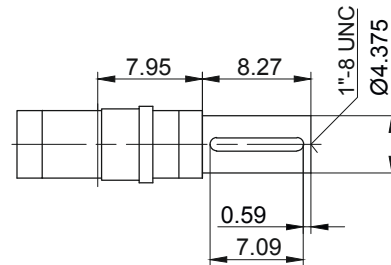
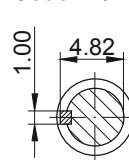
Flange with clearance holes at front

Code -3.V/

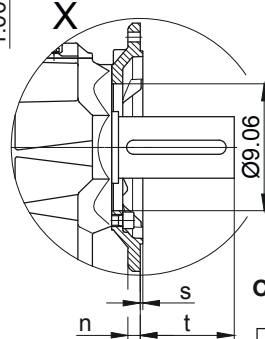
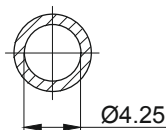
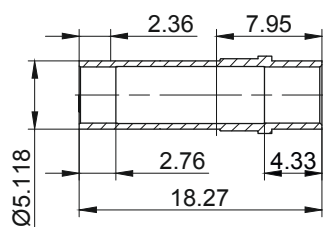
(Code -4.V/)



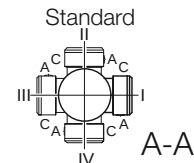
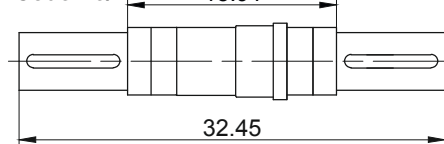
Code -1/



Code -5/



Code -3/



Flange Dimensions

Type	Design	k	l	m	n	o	p	q	s	t
BK80..	Code -3.V/	17.717	15.748	13.780	0.866	0.689	17.283	9.646	0.197	6.616
BK80..	Code -4.V/	21.654	19.685	17.717	0.866	0.689	17.480	9.843	0.197	6.420

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
							d _{ML}	d _{ML}	d _{ML}
BK80G40-.../D..08.A.	7.85	14.06	6.14	40.93	4.51	5.37	43.52	45.33	47.76
BK80G40-.../D..08.B.	9.04	14.06	6.14	42.11	4.51	5.37	44.70	46.52	48.92
BK80G40-.../D..09.A.	9.86	14.63	6.93	43.50	4.88	6.18	47.17	47.74	51.26
BK80G40-.../D..09.B.	12.15	14.63	6.93	45.79	4.88	6.18	49.45	50.00	53.55
BK80G40-.../D..11.A.	12.56	14.88	8.58	46.46	6.50	6.93	50.31	50.69	54.33
BK80G40-.../D..11.B.	15.24	14.88	8.58	49.13	6.50	6.93	52.91	53.37	57.01

Dimensions in inch

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

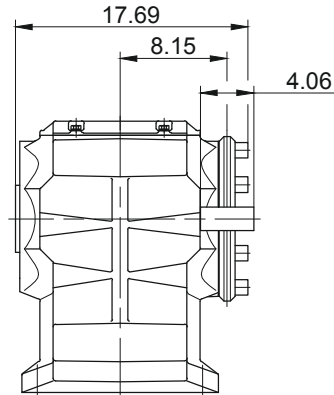
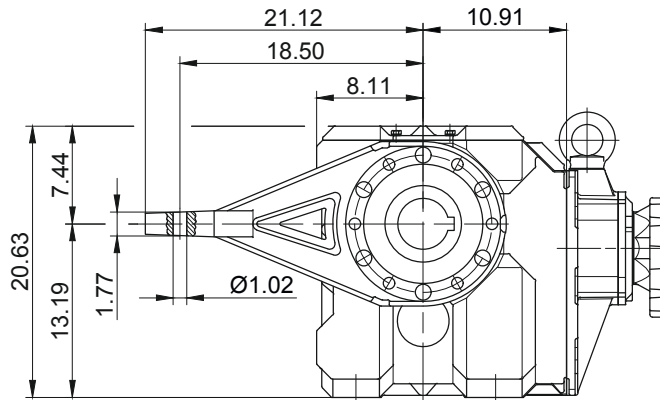
BK-series bevel-gear motors

Dimension -Tandem Gearbox Imperial

BK80G40

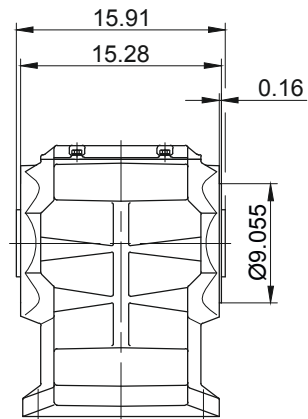
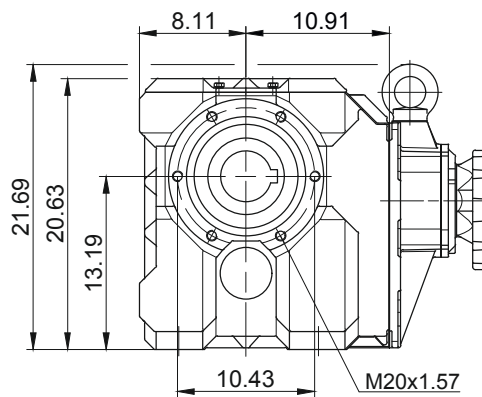
Torque arm at front

Code -5.V/



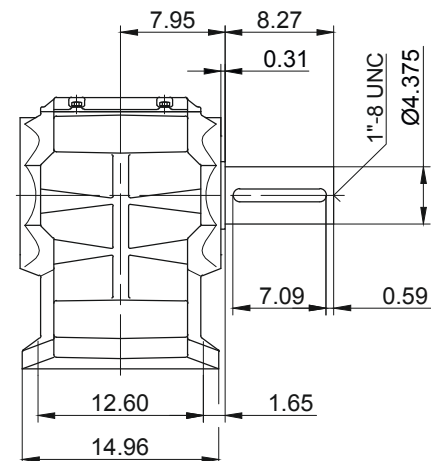
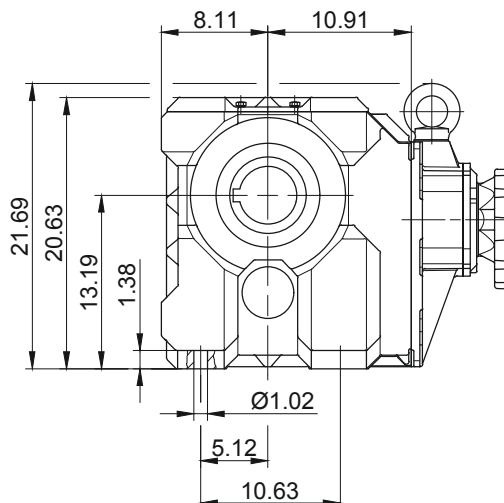
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

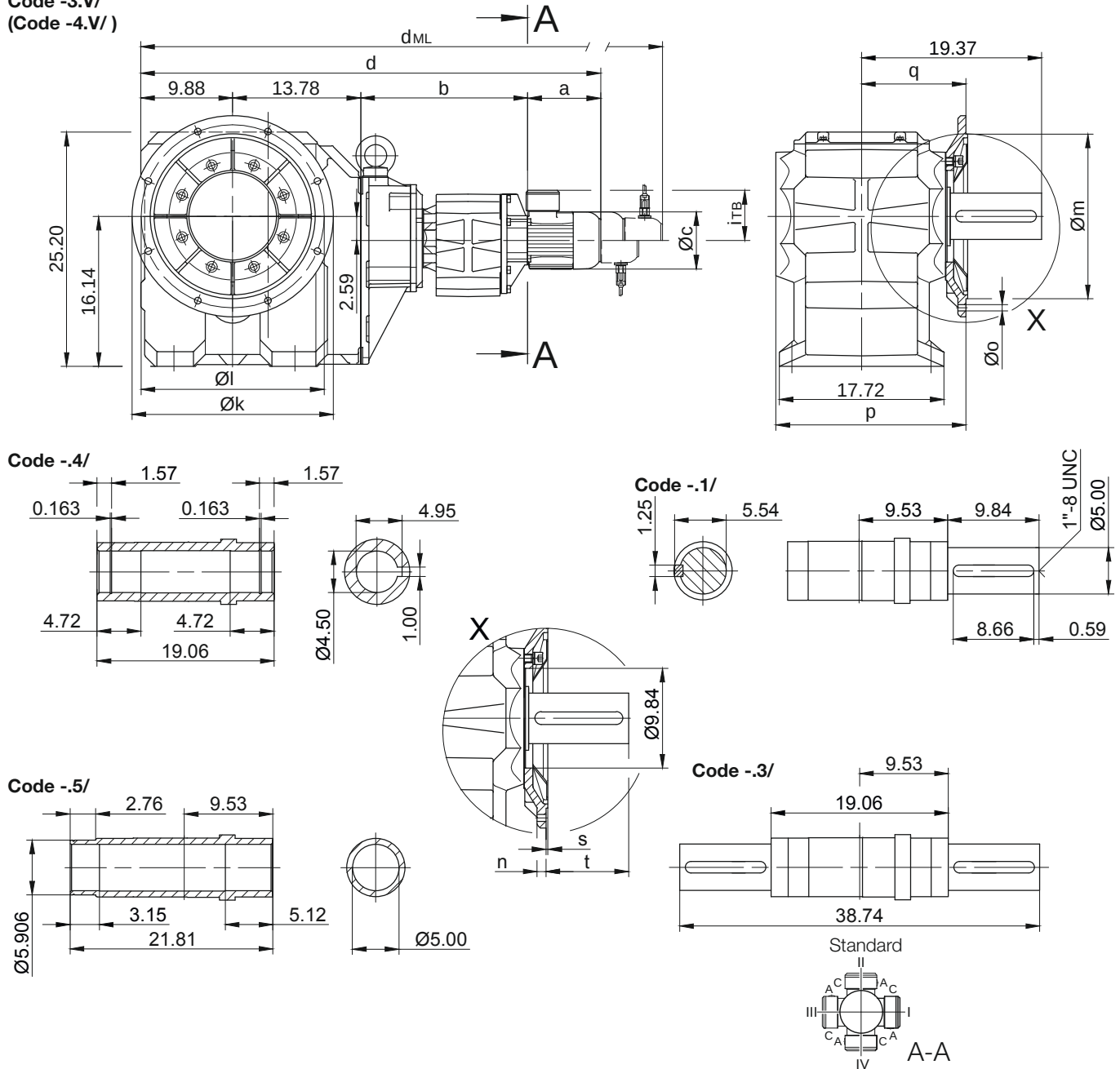
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK90G50

Flange with clearance holes at front

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



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	p	q	s	t	
BK90..	Code -3.V/	21.654	19.685	17.717	0.866	0.689	20.433	11.220	0.197	8.186	
BK90..	Code -4.V/	25.984	23.622	21.654	0.984	0.866	20.197	10.984	0.236	8.462	

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK90G50-../D..08.A.	7.85	16.81	6.14	48.33	4.51	5.37	50.93	52.74	55.16	50.93
BK90G50-../D..08.B.	9.04	16.81	6.14	49.51	4.51	5.37	52.11	53.92	56.32	52.11
BK90G50-../D..09.A.	9.86	17.38	6.93	50.91	4.88	6.18	54.57	55.14	58.67	54.57
BK90G50-../D..09.B.	12.15	17.38	6.93	53.19	4.88	6.18	56.85	57.41	60.95	56.85
BK90G50-../D..11.A.	12.56	17.64	8.58	53.86	6.50	6.93	57.72	58.09	61.74	57.72
BK90G50-../D..11.B.	15.24	17.64	8.58	56.54	6.50	6.93	60.31	60.77	64.41	60.31
BK90G50-../D..13.A.	15.47	18.15	10.16	57.28	8.54	8.54	61.65	61.50	65.63	61.54
BK90G50-../D..16.B.	17.89	18.70	12.20	60.26	9.57	9.57	65.91	64.47	69.98	65.91
BK90G50-../D..18.B.	21.34	19.57	13.70	64.57	11.34	11.34	70.45	68.72	74.53	70.45
Dimensions in inch										

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

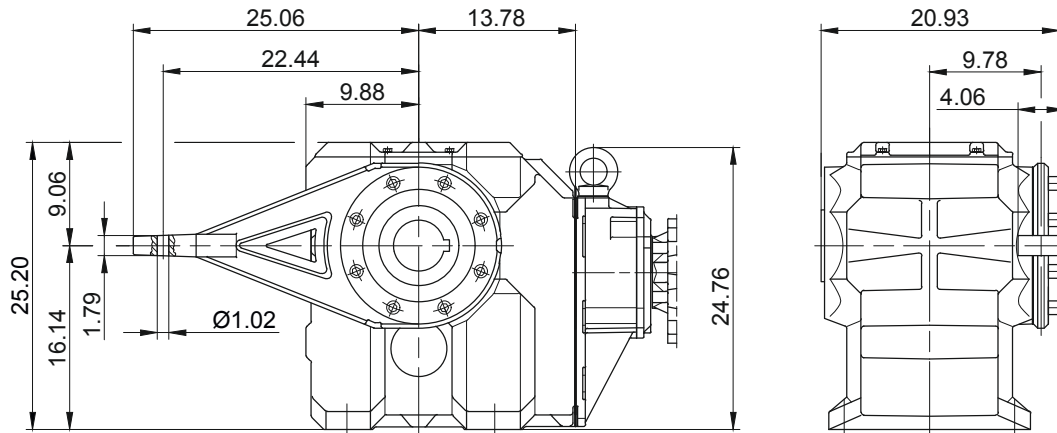
BK-series bevel-geared motors

Dimension -Tandem Gearbox Imperial

BK90G50

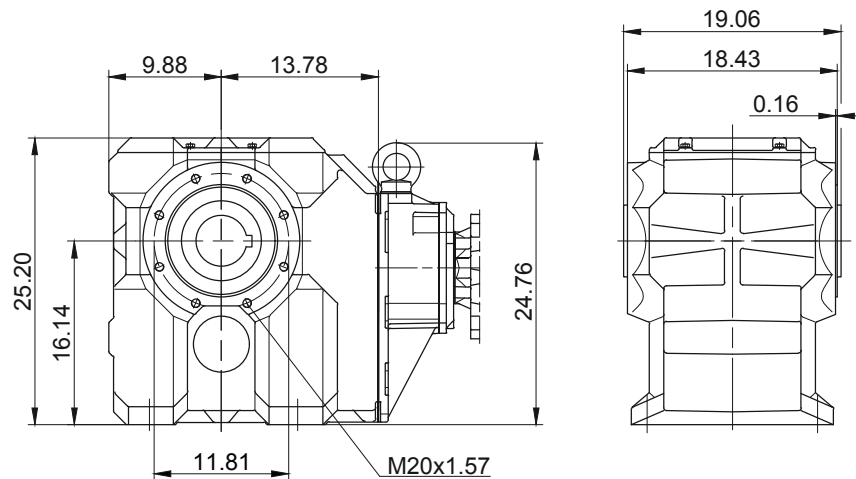
Torque arm at front

Code -5.V/



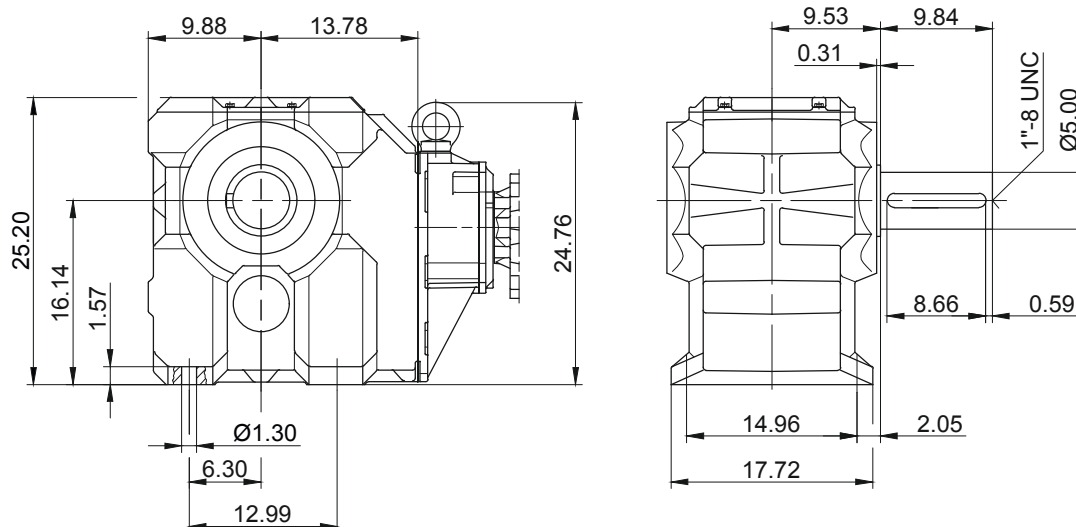
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



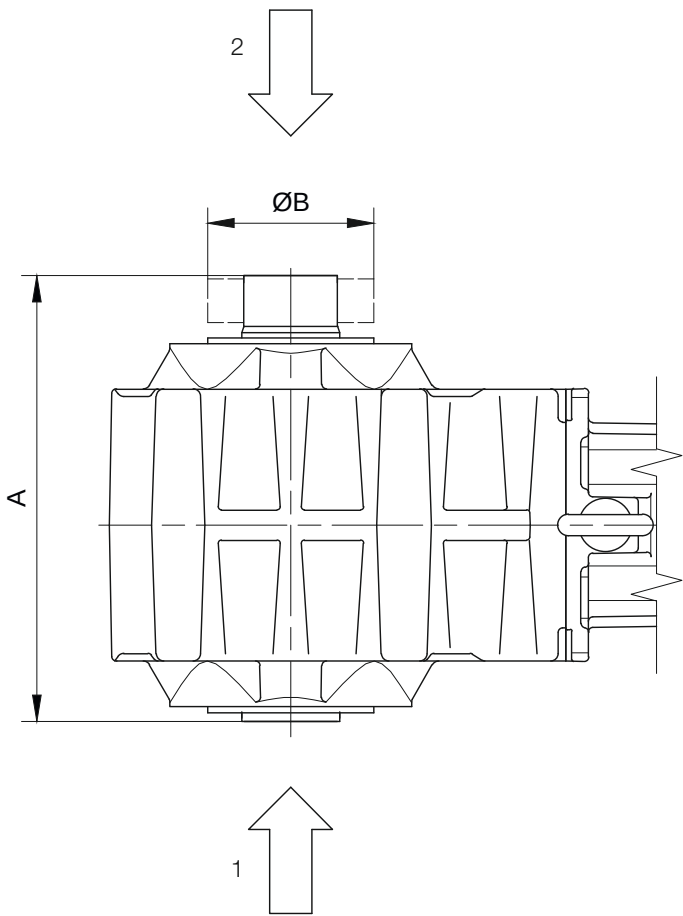
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Shrink disk couplings (SSV)

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



- 1 Gear side FRONT (V)
2 Gear side REAR (H)

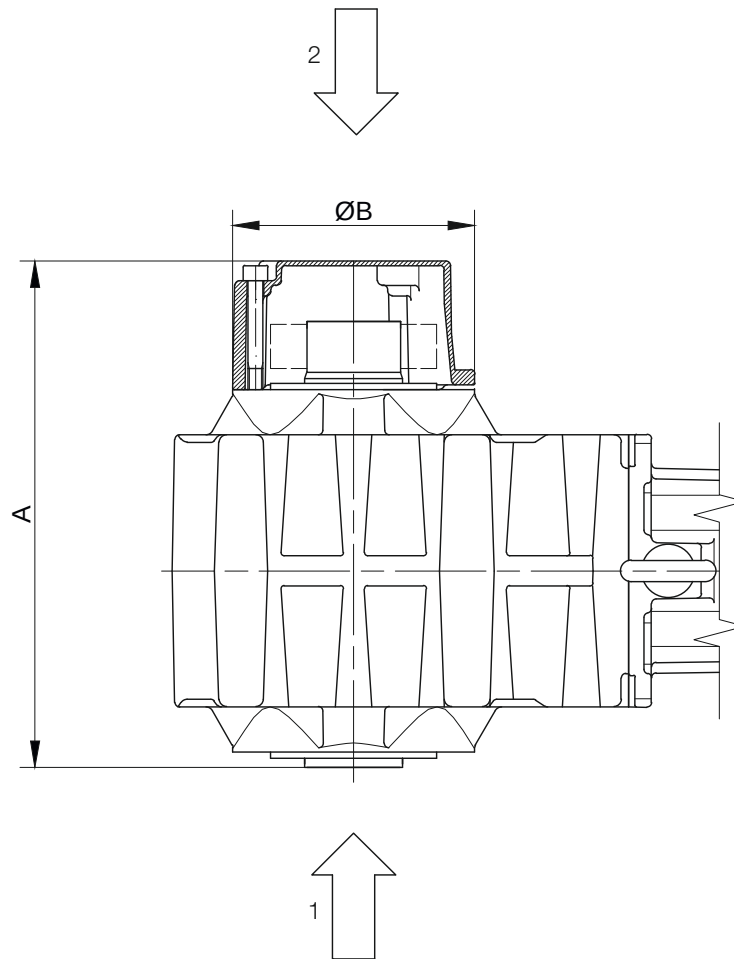
Typ	SSV Ringfeder	SSV STÜWE	A	B
BK06	RfN 4161 024x050	HSD 24-22x24	4.65	1.97
BK10	RfN 4161 036x072	HSD 36-22x36	7.68	2.83
BK20	RfN 4161 044x080	HSD 44-22x44	8.74	3.15
BK30	RfN 4161 050x090	HSD 50-22x50	10.00	3.54
BK40	RfN 4161 062x110	HSD 62-22x62	11.61	4.33
BK50	RfN 4161 068x115	HSD 68-22x68	12.48	4.53
BK60	RfN 4161 080x141	HSD 80-22x80	13.27	5.51
BK70	RfN 4161 105x185	HSD 110-22x105	16.02	7.28
BK80	RfN 4161 130x215	HSD 125-22x130	18.27	8.46
BK90	RfN 4161 150x263	HSD 155-22x150	21.81	10.35
Dimensions in inch				

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

Shrink disk connection with cover (SSV)

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

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



1 Gear side FRONT (V)

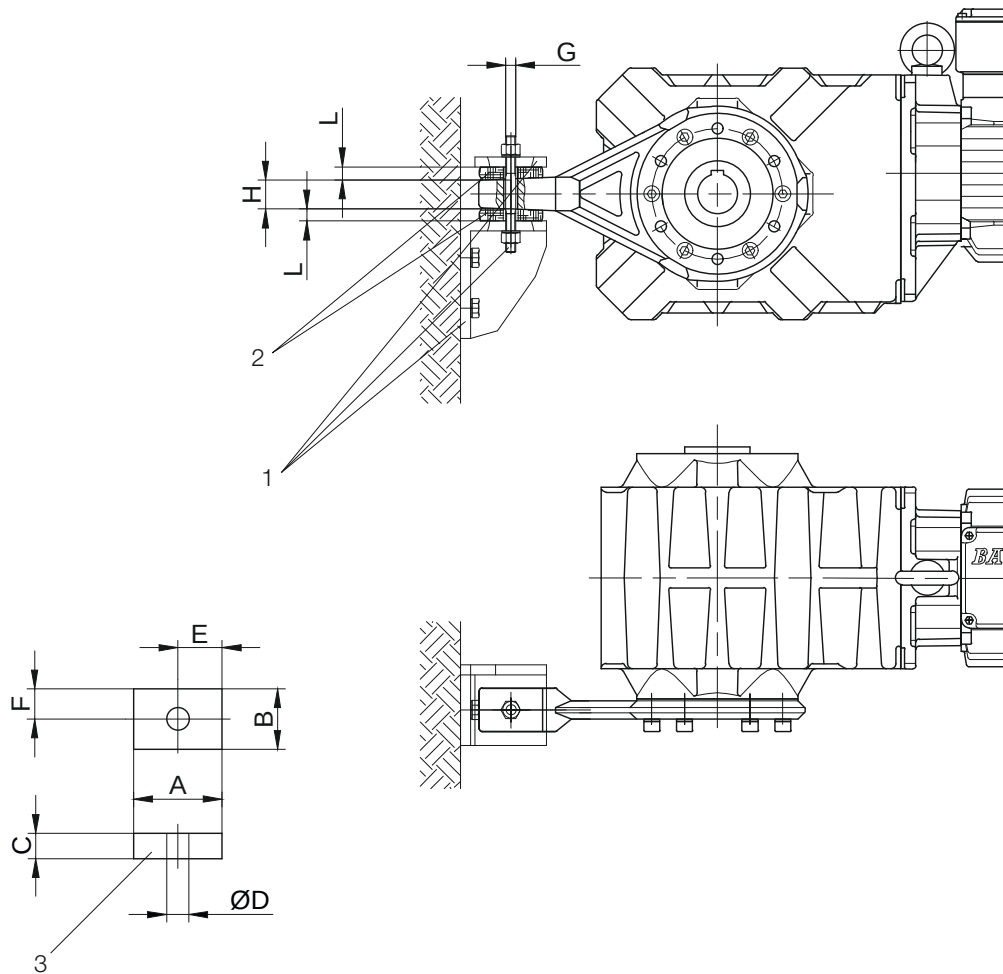
2 Gear side REAR (H)

Typ	SSV Ringfeder	SSV STÜWE	A	B
BK10	RfN 4161 036x072	HSD 36-22x36	8.54	4.72
BK20	RfN 4161 044x080	HSD 44-22x44	10.63	5.51
BK30	RfN 4161 050x090	HSD 50-22x50	11.81	6.30
BK40	RfN 4161 062x110	HSD 62-22x62	13.19	6.30
BK50	RfN 4161 068x115	HSD 68-22x68	12.95	7.87
BK60	RfN 4161 080x141	HSD 80-22x80	15.20	8.27
BK70	RfN 4161 105x185	HSD110-22x105	18.31	9.84
BK80	RfN 4161 130x215	HSD125-22x130	19.76	11.81
BK90	RfN 4161 150x263	HSD155-22x150	23.70	13.78
Dimensions in inch				

BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Rubber buffer for torque arm



1 not included in delivery

2 Rubber buffers pretensioned

3 Rubber buffer

G maximaler Schraubendurchmesser

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

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

Gear	Position	A	B	C	D	E	F	G	H	L
BK06	Position 0	1.18	1.18	0.47	0.47	0.59	0.59	M10	0.39	0.39
BK08	Position 1	1.89	1.26	0.59	0.55	0.94	0.63	M10	0.75	0.53
BK10	Position 1	1.89	1.26	0.59	0.55	0.94	0.63	M10	0.75	0.53
BK17	Position 1	1.89	1.26	0.59	0.55	0.94	0.63	M10	0.75	0.51
BK20	Position 1	1.89	1.26	0.59	0.55	0.94	0.63	M10	0.75	0.51
BK30	Position 2	2.48	1.69	0.79	0.55	1.24	0.8.5	M10	1.18	0.67
BK40	Position 2	2.48	1.69	0.79	0.55	1.24	0.8.5	M10	1.18	0.67
BK50	Position 3	3.46	2.36	0.98	0.87	1.73	1.18	M18	1.42	0.8.5
BK60	Position 3	3.46	2.36	0.98	0.87	1.73	1.18	M18	1.50	0.83
BK70	Position 4	4.84	3.46	1.18	1.02	2.42	1.73	M20	1.57	1.00
BK80	Position 5	5.24	4.06	1.38	1.02	2.62	2.03	M20	1.77	1.18
BK90	Position 5	5.24	4.06	1.38	1.02	2.62	2.03	M20	1.77	1.16

Dimensions in inch

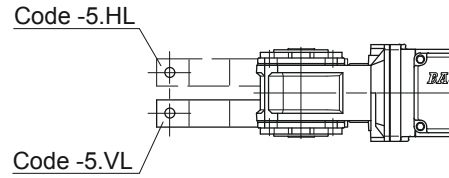
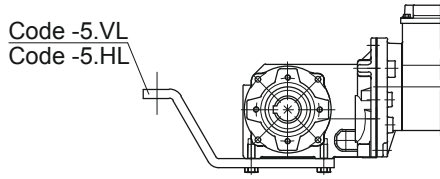
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

BK-series bevel-geared motors

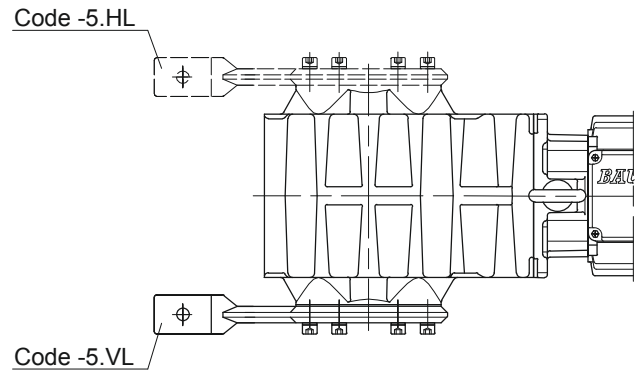
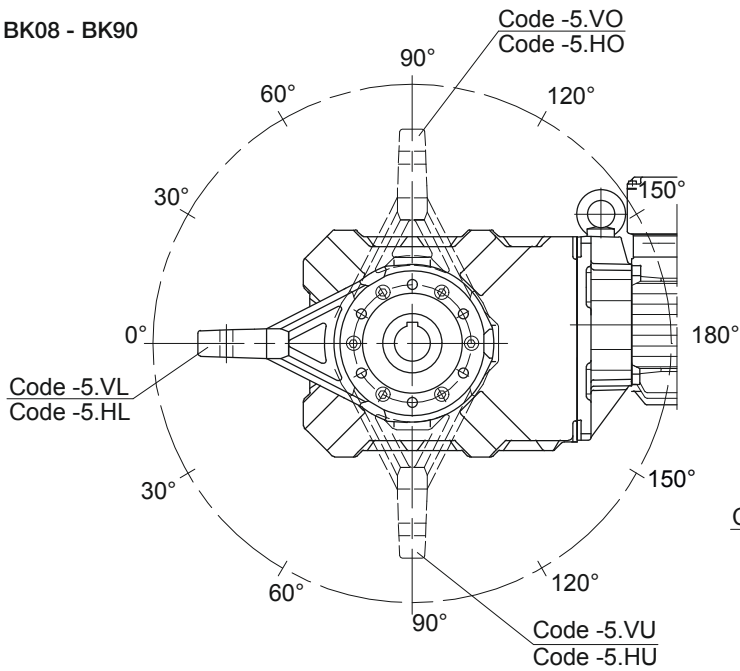
Additional Dimension Sheet Imperial

Position of the torque arm

BK06



BK08 - BK90



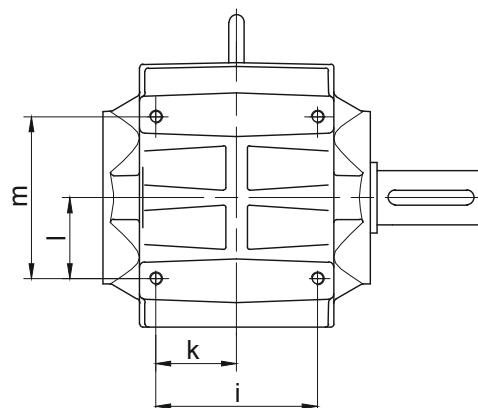
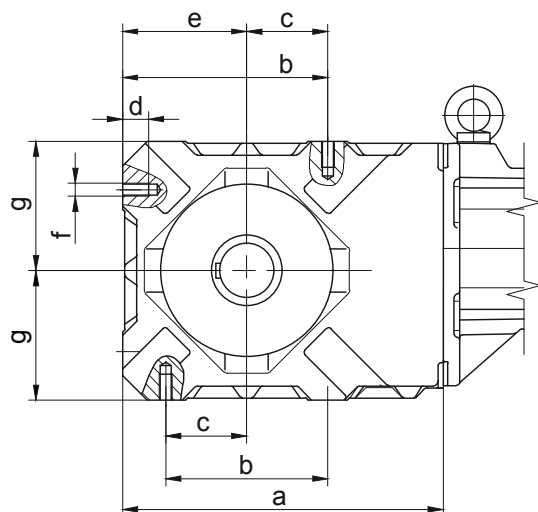
Gear	Position						
	VL/HL	VO/HO/VU/HU					VR/HR
BK06	0°	-	-	-	-	-	-
BK08	0°	30°	60°	90°	120°	-	-
BK10	0°	30°	60°	90°	120°	150°	-
BK17	0°	30°	60°	90°	120°	-	-
BK20	0°	30°	60°	90°	120°	150°	-
BK30	0°	30°	60°	90°	120°	150°	-
BK40	0°	30°	60°	90°	120°	150°	-
BK50	0°	30°	60°	90°	120°	150°	-
BK60	0°	30°	60°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

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

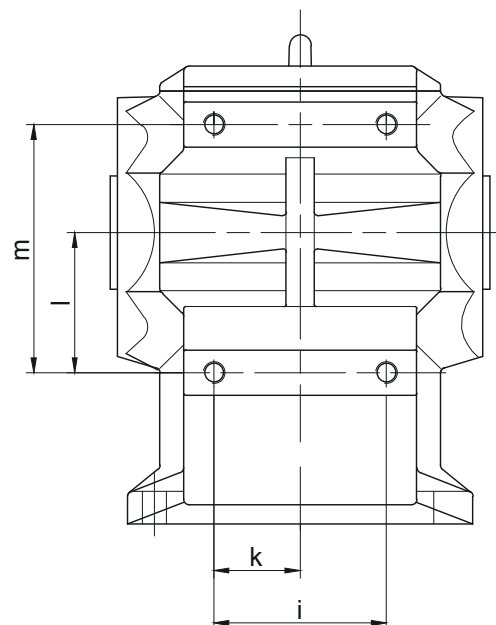
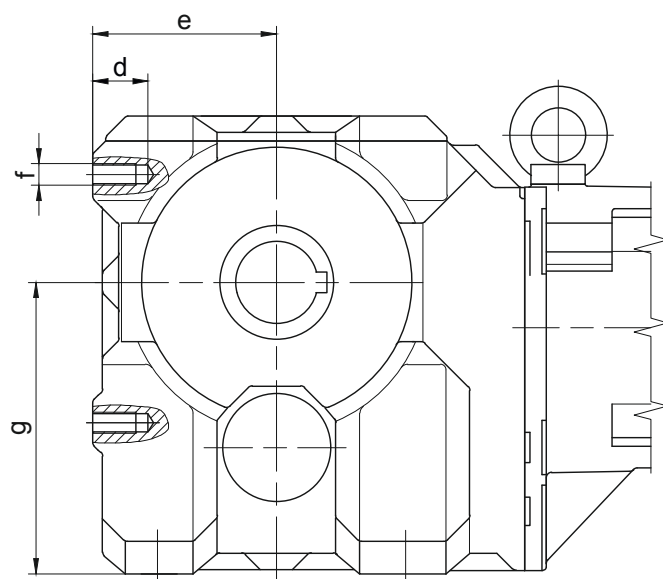
BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Foot with tapped holes



Type	a	b	c	d	e	f	g	i	k	l	m
BK10-BK10Z	7.95	3.54	1.77	0.63	3.07	M8	3.15	3.74	1.87	1.77	3.54
BK20-BK20Z	9.53	4.33	2.17	0.79	3.74	M10	3.94	4.13	2.07	2.17	4.33
BK30-BK30Z	10.47	4.92	2.46	0.94	4.13	M12	4.33	4.72	2.36	2.46	4.92
BK40-BK40Z	11.69	5.91	2.95	0.94	4.53	M12	4.72	5.91	2.95	2.95	5.91
BK50-BK50Z	14.02	7.87	3.94	1.10	5.71	M14	5.91	6.30	3.15	3.94	7.87



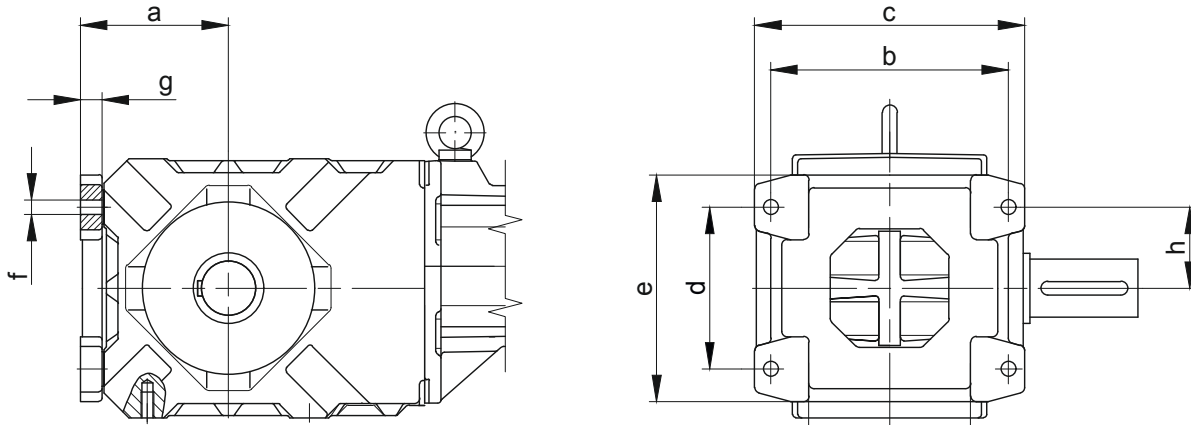
Type	a	b	c	d	e	f	g	i	k	l	m
BK60-BK60Z	-	-	-	1.57	5.12	M20	8.35	6.30	3.15	5.71	9.06
BK70-BK70Z	-	-	-	1.57	6.50	M20	10.63	6.30	3.15	5.12	9.06
BK80-BK80Z	-	-	-	2.36	7.87	M30	13.19	8.27	4.13	9.45	14.17
BK90-BK90Z	-	-	-	2.36	9.65	M30	16.14	8.27	4.13	8.46	14.17

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

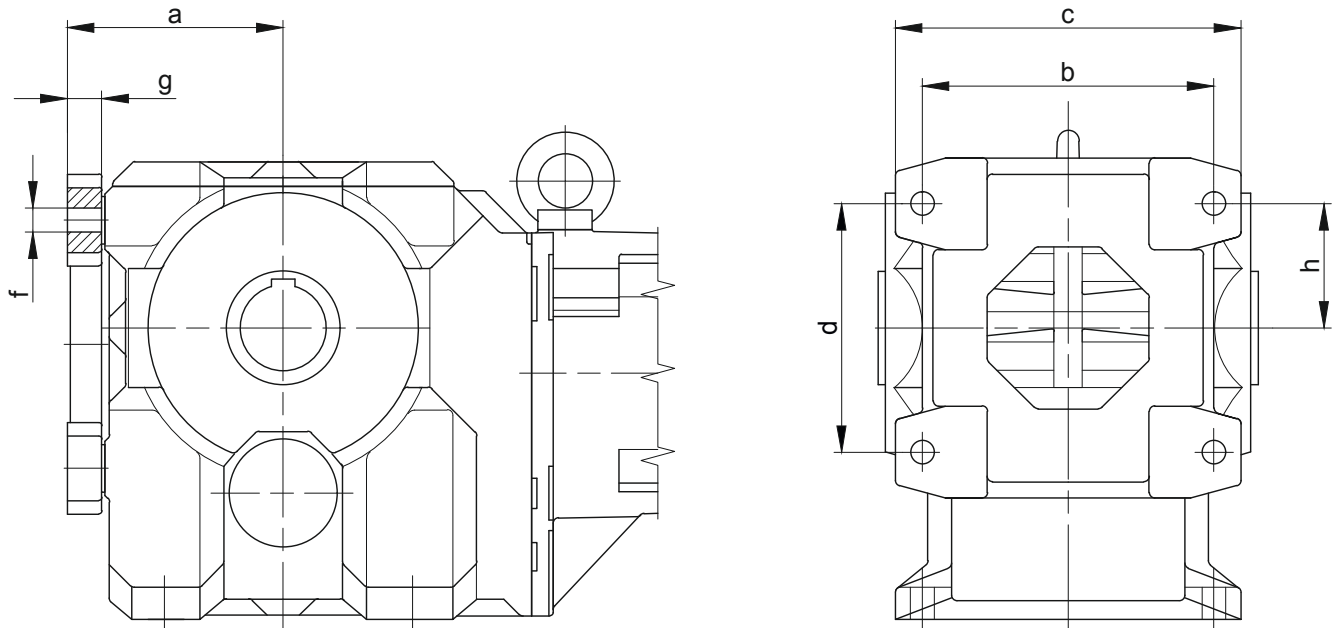
BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Foot plate with clearance holes



Type	a	b	c	d	e	f	g	h
BK10-BK10Z	3.78	5.71	6.50	3.54	5.12	Ø0.35	0.63	1.77
BK20-BK20Z	4.53	6.50	7.68	4.33	6.30	Ø0.43	0.71	2.17
BK30-BK30Z	5.00	7.48	8.66	4.92	7.28	Ø0.53	0.79	2.46
BK40-BK40Z	5.39	8.66	9.84	5.91	8.27	Ø0.53	0.79	2.95
BK50-BK50Z	6.69	9.45	11.02	7.87	10.43	Ø0.69	0.91	3.94



12

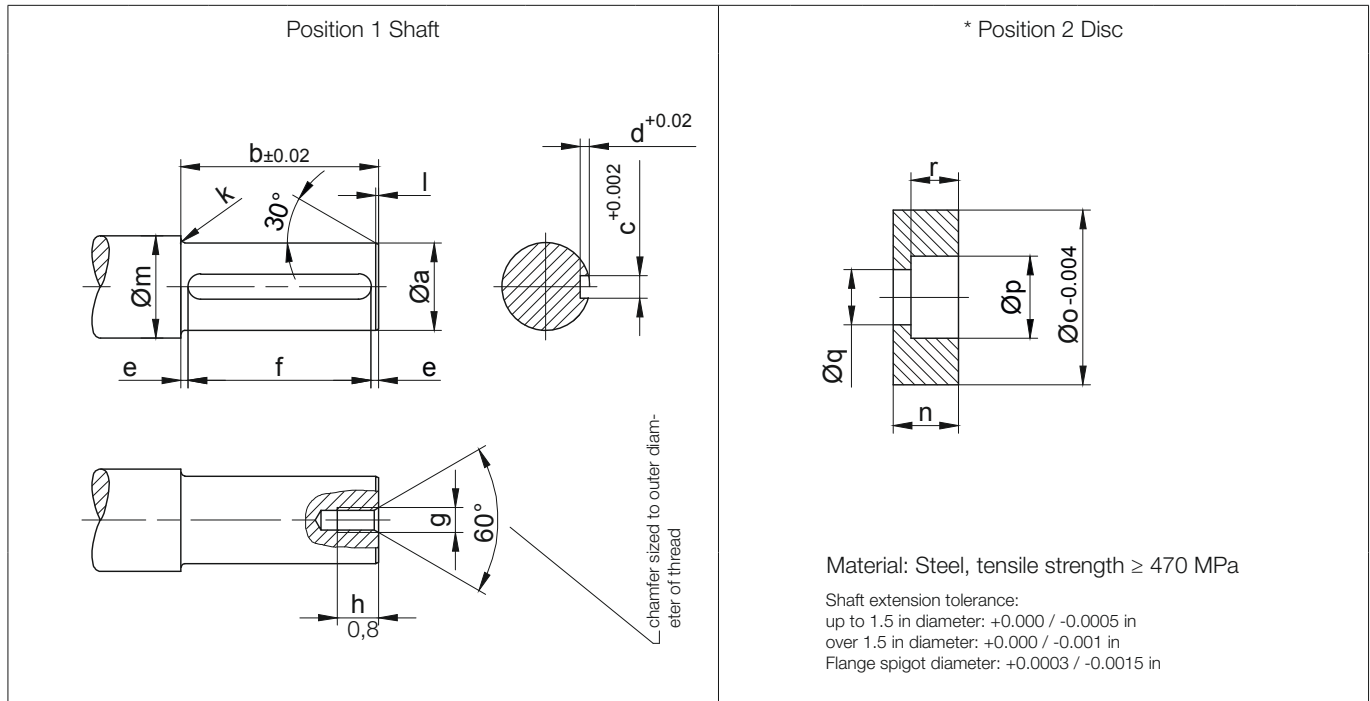
Type	a	b	c	d	e	f	g	h
BK60-BK60Z	6.50	10.63	12.60	9.06	12.40	Ø0.87	1.26	3.35
BK70-BK70Z	7.87	10.63	12.60	9.06	12.40	Ø0.87	1.26	3.94
BK80-BK80Z	9.84	15.75	18.90	14.17	18.90	Ø1.30	1.85	4.72
BK90-BK90Z	11.61	15.75	18.90	14.17	18.90	Ø1.30	1.85	5.71

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

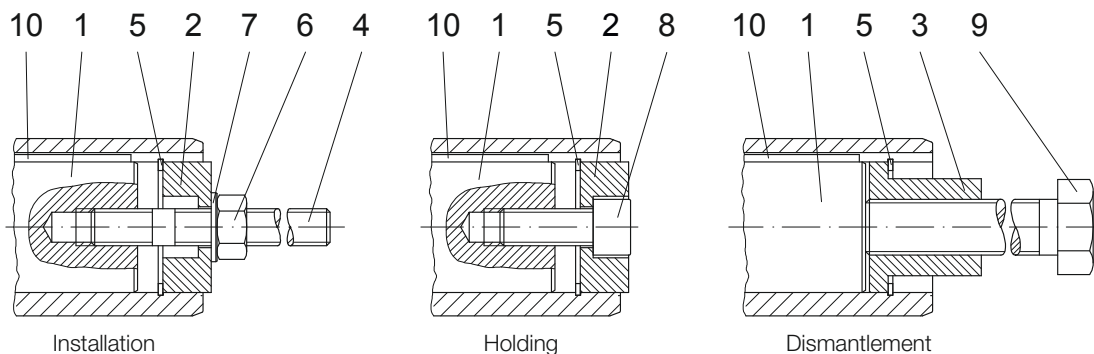
BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Assembly tools for hollow shaft and keyway



Type	Dimensions (inch)															
	Position 1 Shaft											Position 2 Disc				
	a	b	c	d	e	f	g	h	k	l	m	n	o	p	q	r
BK06	0.75	2.95	0.188	0.106	0.235	2.48	M8	0.63	0.08	0.04	1.10	0.53	0.74	0.43	0.26	0.26
BK10	1.00	5.83	0.25	0.141	0.455	4.92	M8	0.71	0.10	0.06	1.30	0.53	0.99	0.59	0.35	0.33
BK20	1.25	6.69	0.25	0.138	0.59	5.51	M10	0.79	0.12	0.06	1.50	0.59	1.24	0.71	0.43	0.39
BK30	1.375	7.91	0.313	0.174	0.41	7.09	M10	0.79	0.12	0.06	1.69	0.63	1.365	0.71	0.43	0.39
BK40	1.50	9.25	0.375	0.211	0.69	7.87	M12	0.87	0.12	0.08	1.89	0.71	1.49	0.79	0.53	0.47
BK50	2.00	10.00	0.50	0.282	0.67	8.66	M16	1.18	0.14	0.08	2.28	0.83	1.99	1.02	0.69	0.59
BK60	2.375	10.75	0.625	0.354	0.455	9.84	M20	1.50	0.14	0.08	2.68	0.94	2.365	1.30	0.87	0.71
BK70	3.00	12.44	0.75	0.423	0.71	11.02	M20	1.50	0.16	0.08	3.54	1.06	2.99	1.30	0.87	0.79
BK80	3.875	14.17	1.00	0.566	0.785	12.60	M24	1.77	0.16	0.12	4.33	1.26	3.865	1.57	1.02	0.98
BK90	4.50	17.01	1.00	0.566	0.63	15.75	M24	1.77	0.18	0.12	5.12	1.38	4.49	1.57	1.02	1.10



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

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

BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Assembly tools for hollow shaft and keyway

Position 3 Sleeve

Material: Steel, tensile strength ≥ 470 MPa

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

* Position 4 Stud bolt

Material: steel, tensile strength ≥ 1000 MPa Thread rolled

Type	Dimensions (inch)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Starting torque (Nm)	Hexagon bolt DIN EN 24017-8.8	Key DIN 6885 Width/Height/Length							
	Position 3 Sleeve						Position 4 Stud bolt																	
	s	t	u	v	w	R	x	y	z	z1														
BK06	0.74	0.79	0.20	0.41	M8	0.03	5.12	3.94	0.79	M6	19x1	M6	6.4	M6x30	44.25	M6x120	3/16x3/16x2.48							
BK10	0.99	0.94	0.20	0.61	M12	0.03	7.87	6.69	0.79	M8	25x1.2	M8	8.4	M8x30		M12x190	1/4x1/4x9.20							
BK20	1.24	1.10	0.20	0.81	M14	0.03	9.06	7.68	0.91	M10	32x1.2	M10	10.5	M10x30	70.81	M14x210	1/4x1/4x5.510							
BK30	1.365	1.10	0.20	0.93	M14	-	10.24	8.66	0.91	M10	35x1.5	M10	10x35	M10x35		M14x240	5/16x5/16x7.09							
BK40	1.49	1.57	0.24	1.04	M20	0.03	11.81	10.24	1.10	M12	38x1.75	M12	13	M12x35	141.61	M20x290	3/8x3/8x7.87							
BK50	1.99	1.89	0.24	1.43	M24	-	13.39	11.42	1.46	M16	50x2.0	M16	17	M16x40	265.52	M24x320	1/2x1/2x8.66							
BK60	2.365	2.36	0.24	1.76	M30	-	14.57	12.20	1.77	M20	60x2.0	M20	21	M20x50	371.73	M30x350	5/8x5/8x9.84							
BK70	2.99	2.36	0.32	2.29	M30	-	16.54	14.17	1.77	M20	78x2.5	M20	21	M20x50		M30x400	3/4x3/4x11.02							
BK80	3.865	2.83	0.39	3.11	M36	-	18.90	16.14	2.17	M24	98x3.0	M24	25	M24x60	885.07	M36x450	1x1x12.6							
BK90	4.49	2.83	0.39	3.66	M36	-	22.05	18.90	2.17	M24	115x4.0	M24	25	M24x60		M36x520	1x1x15.75							

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

Optional

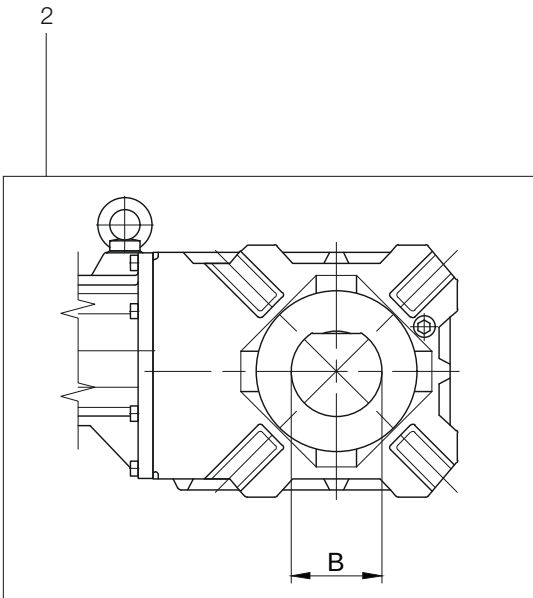
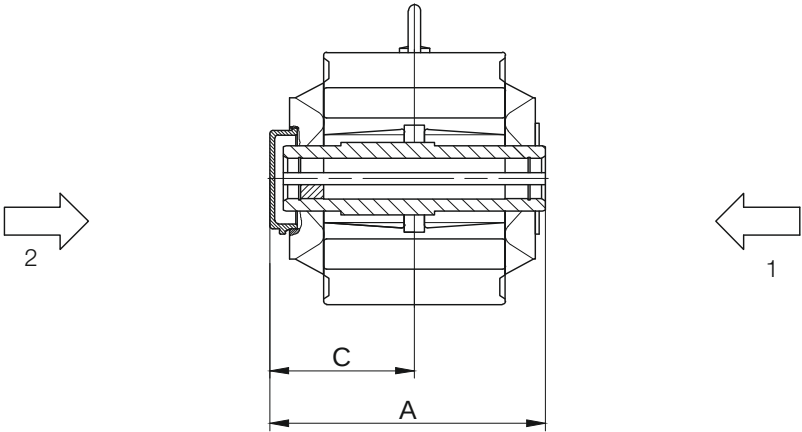
Type	Assembly tool „Holding“
BK06	available only on request
BK10	available only on request
BK20	available only on request
BK30	available only on request
BK40	available only on request
BK50	available only on request
BK60	available only on request
BK70	available only on request
BK80	available only on request
BK90	available only on request

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

BK-series bevel-gear motors

Additional Dimension Sheet Imperial

Shaft cap (VK)



- 1 Gear side FRONT (V)
2 Gear side REAR (H)

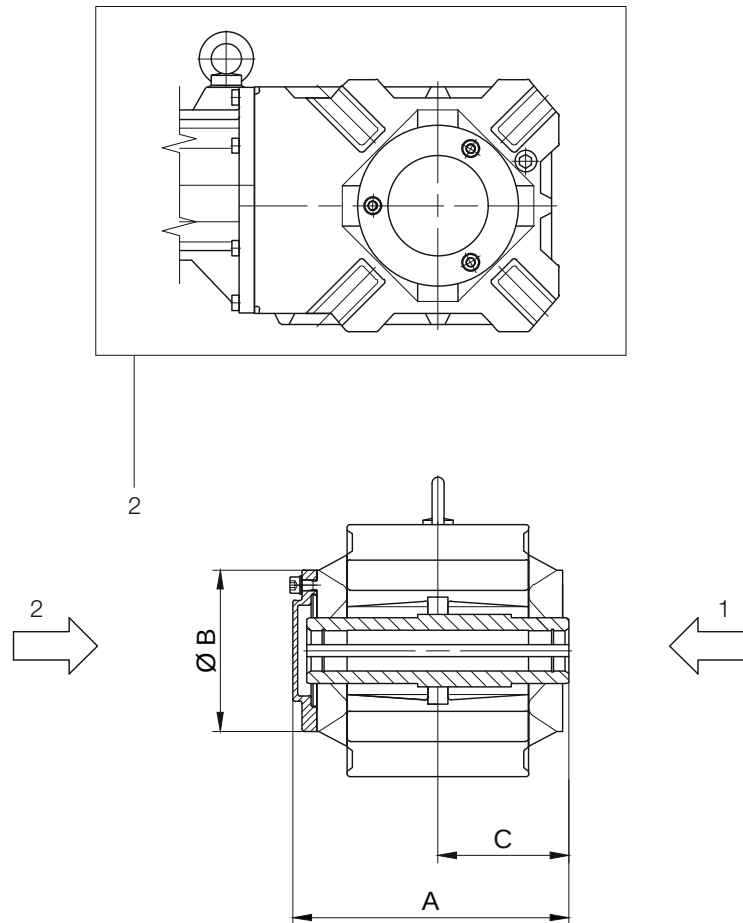
Type	A	B	C
BK10	7.19	3.35	3.84
BK20	8.05	3.54	4.27
BK40	10.77	3.94	5.65
BK50	11.73	4.53	6.18
BK60	12.68	5.12	6.73
BK70	14.57	6.30	7.64
Dimensions in inch			

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

BK-series bevel-geared motors

Additional Dimension Sheet Imperial

Shaft cover (VD)



- 1 Gear side FRONT (V)
2 Gear side REAR (H)

Type	A	B	C
BK10	7.13	4.72	3.35
BK20	8.11	5.49	3.78
BK30	9.41	6.30	4.41
BK40	10.79	6.30	5.12
BK50	11.69	7.83	5.55
BK60	12.64	8.27	5.94
BK70	14.49	9.84	6.93
BK80	16.50	11.81	7.95
BK90	19.37	13.82	9.53
Dimensions in inch			

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

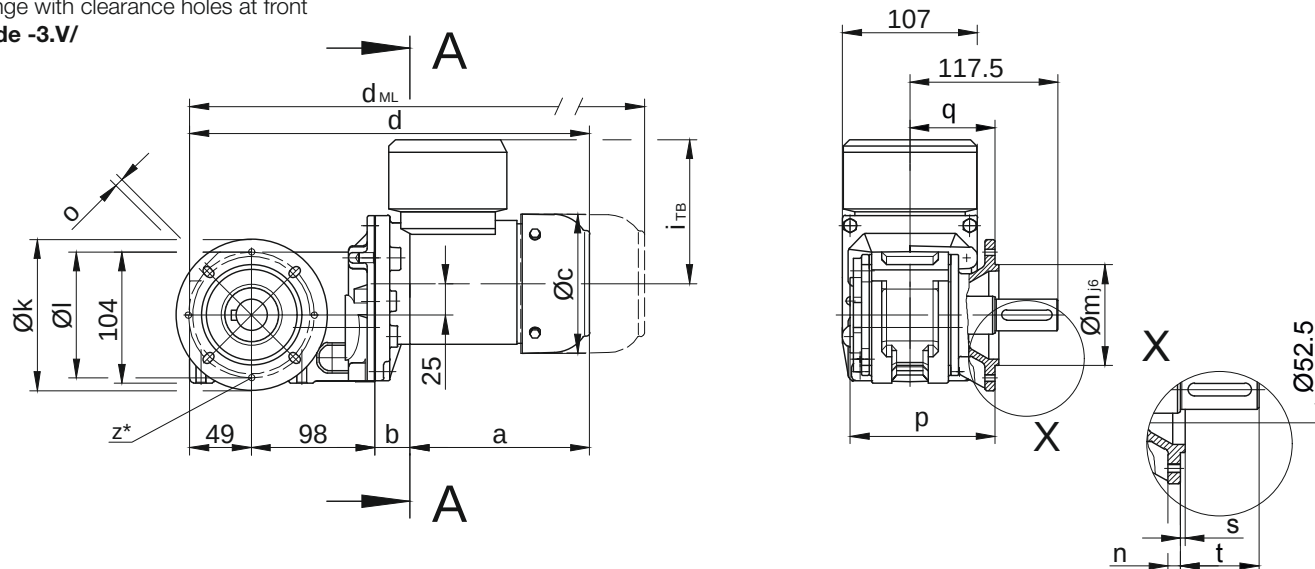
BK-series bevel-geared motors

Dimension - Standard Metric

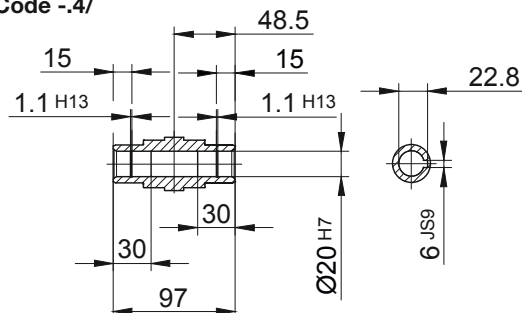
BK06

Flange with clearance holes at front

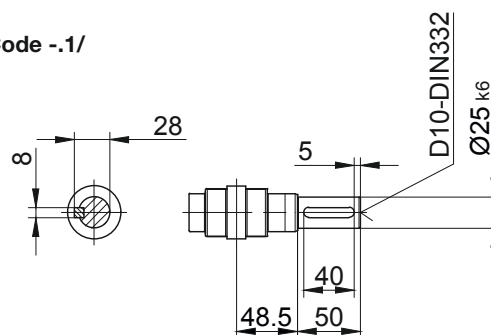
Code -3.V/



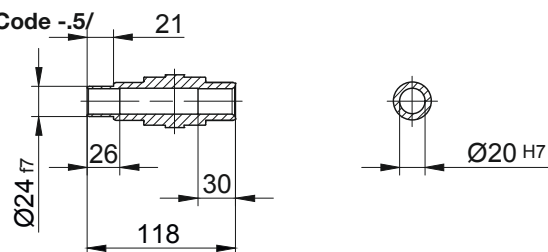
Code -4/



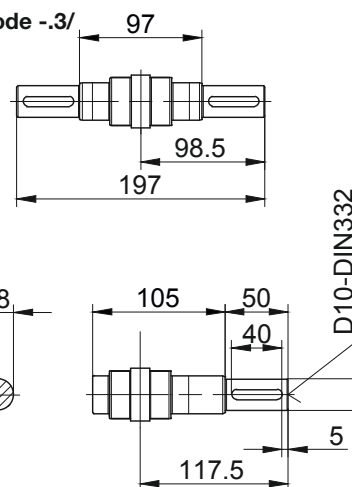
Code -1/



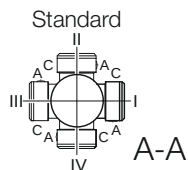
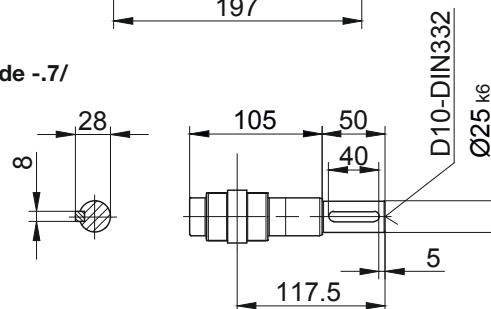
Code -5/



Code -3/



Code -7/



* optional 4xM6 for code -3.

Flange Dimensions											
Type	Design	k	l	m	n	o	p	q	s	t	
BK06	Code -3.V/	120	100	80	8	6.6	115	67.5	3	50	

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
							dML	dML	dML	dML
BK06-.../D04.A.	142.5	28	110.5	317.5	90	112	361	405	448.5	-
BK06-.../D...05.A.	170.5	30	123	347.5	101	117	389.5	450	487.5	-
BK06-.../D...06.A.	170.5	30	123	347.5	99	119	389.5	450	487.5	-
BK06-.../D...07.A.	190.5	30	123	367.5	99	119	409.5	470	507.5	-
BK06-.../D...08.A.	199.5	74	156	420.5	114.5	136.5	486.5	532.5	594	486.5
BK06-.../D...08.B.	229.5	74	156	450.5	114.5	136.5	516.5	562.5	623.5	516.5

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.

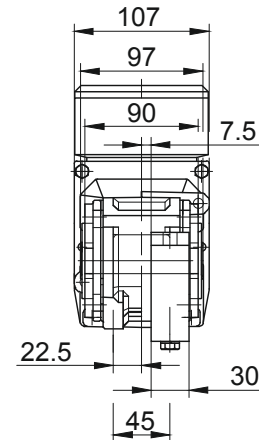
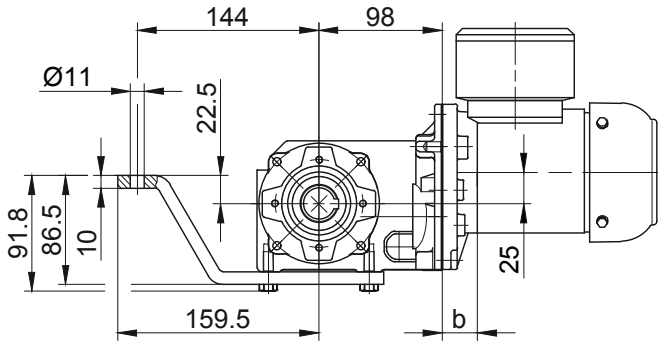
BK-series bevel-geared motors

Dimension - Standard Metric

BK06

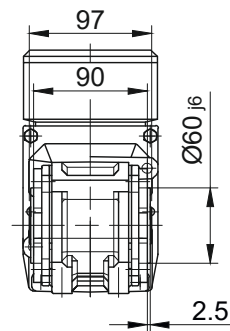
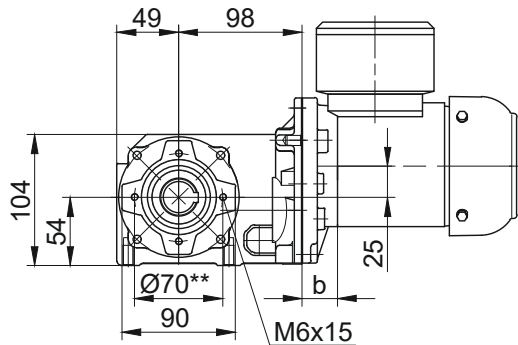
Torque arm at front

Code -5.V/



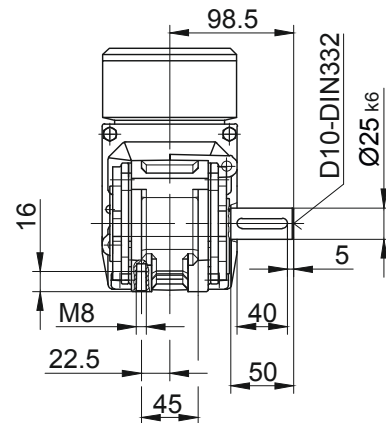
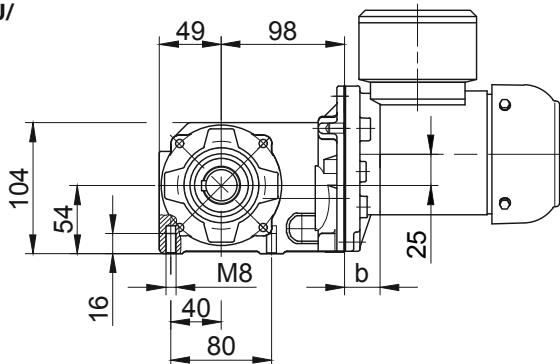
Flange with tapped holes at front

Code -7.V/



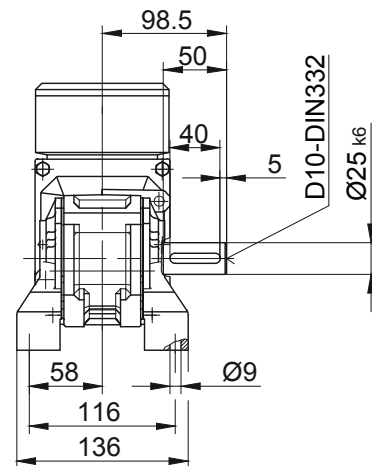
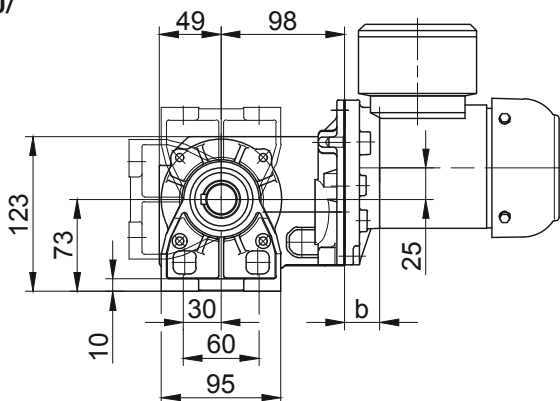
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



** not for D..08.. with PTO shaft (code -.1, -.2, -.3., -.7, -.8, -.9)

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

BK-series bevel-geared motors

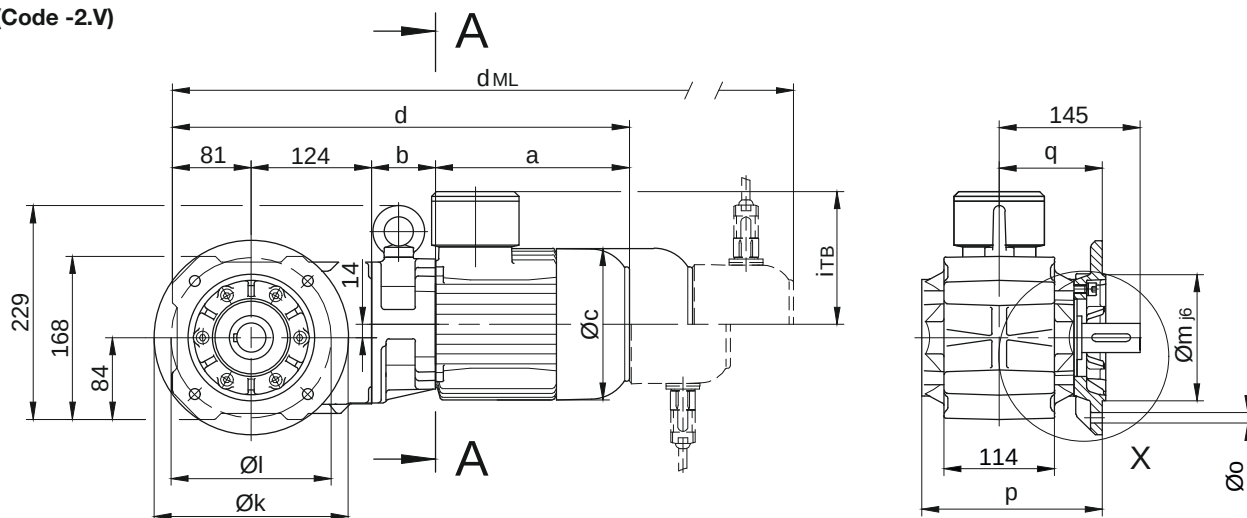
Dimension - Standard Metric

BK10 - BK10Z

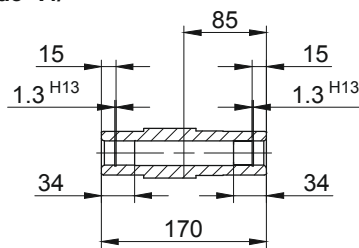
Flange with clearance holes at front

Code -3.V/

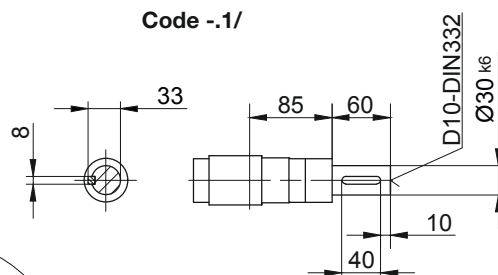
(Code -2.V)



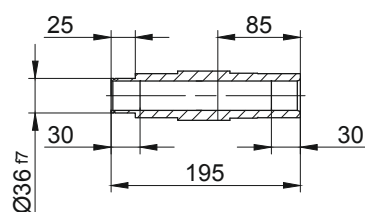
Code -4/



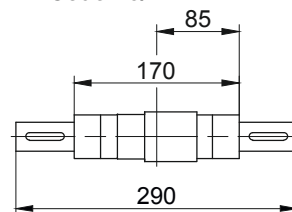
Code -1/



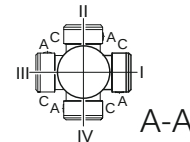
Code -5/



Code -3/



Standard



Flange Dimensions

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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	iTB	Design with motor extensions			
							Brake	Encoder	Brake with Encoder	Back Stop
BK10Z-../D04.A.	142.5	86	110.5	433.5	90	112	dML 477	dML 521	dML 564.5	-
BK10-../D..05.A.	170.5	62	123	437.5	101	117	479.5	540	577.5	-
BK10Z-../D..05.A.	170.5	88	123	463.5	101	117	505.5	566	603.5	-
BK10-../D..06.A.	170.5	62	123	437.5	99	119	479.5	540	577.5	-
BK10Z-../D..06.A.	170.5	88	123	463.5	99	119	505.5	566	603.5	-
BK10-../D..07.A.	190.5	62	123	457.5	99	119	499.5	560	597.5	-
BK10Z-../D..07.A.	190.5	88	123	483.5	99	119	525.5	586	623.5	-
BK10-../D..08.A.	199.5	66	156	470.5	114.5	136.5	536.5	582.5	644	536.5
BK10Z-../D..08.A.	199.5	132	156	536.5	114.5	136.5	602.5	648.5	710	602.5
BK10-../D..08.B.	229.5	66	156	500.5	114.5	136.5	566.5	612.5	673.5	566.5
BK10Z-../D..08.B.	229.5	132	156	566.5	114.5	136.5	632.5	678.5	739.5	632.5
BK10-../D..09.A.	250.5	80.5	176	536	124	157	629	643.5	733	629
BK10-../D..09.B.	308.5	80.5	176	594	124	157	687	701	791	687

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.

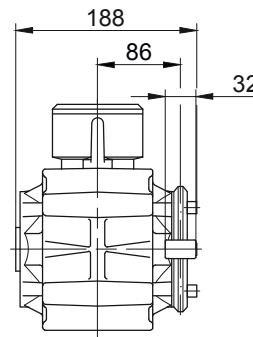
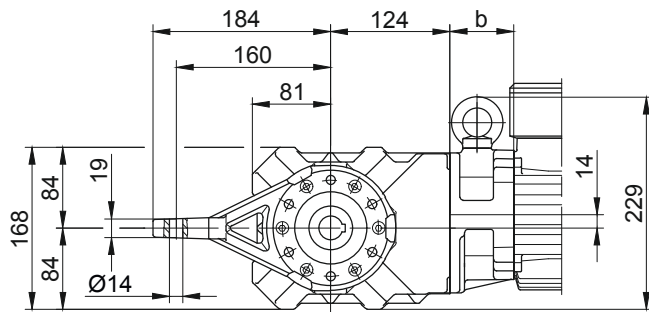
BK-series bevel-geared motors

Dimension - Standard Metric

BK10 - BK10Z

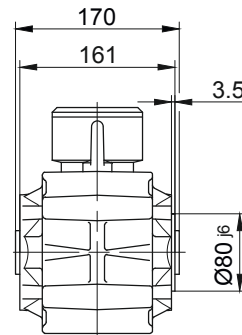
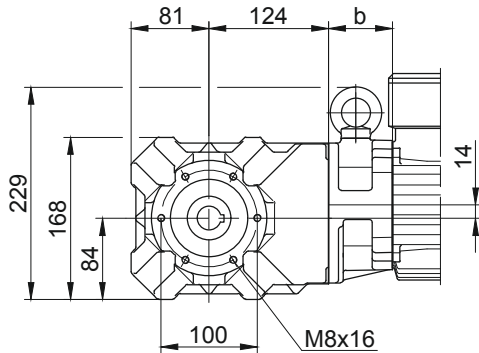
Torque arm at front

Code -5.V/



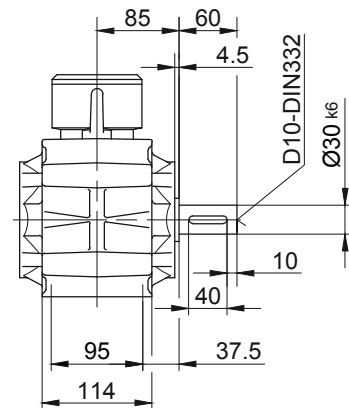
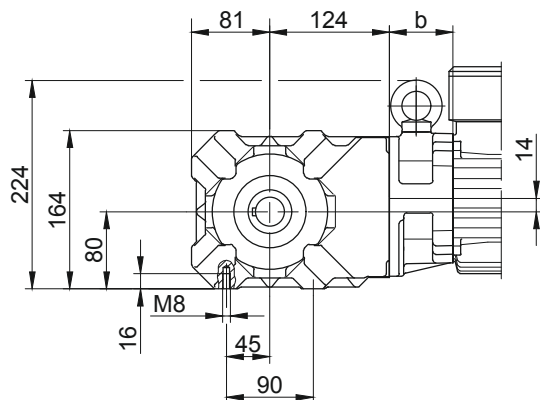
Flange with tapped holes at front

Code -7.V/



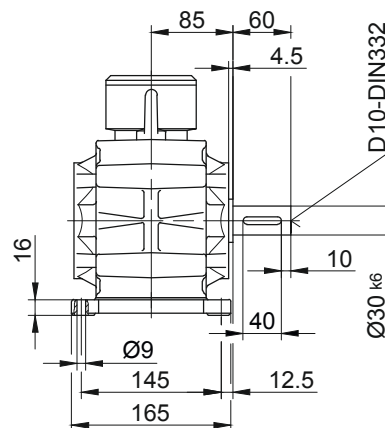
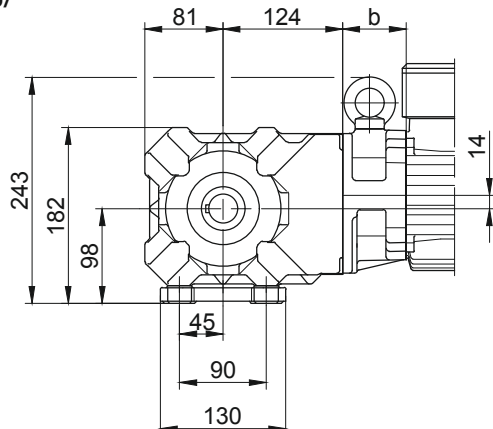
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

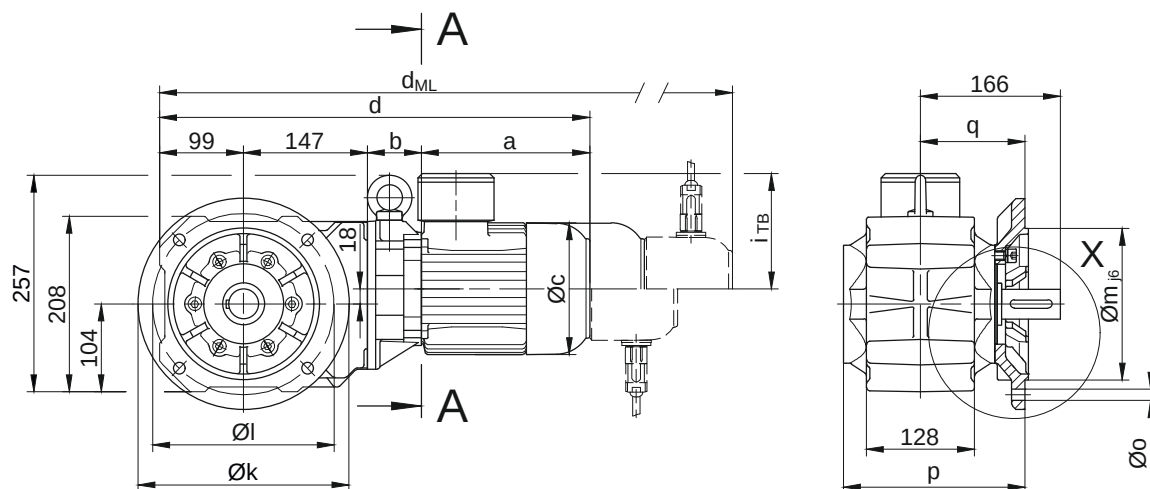
Dimension - Standard Metric

BK20 - BK20Z

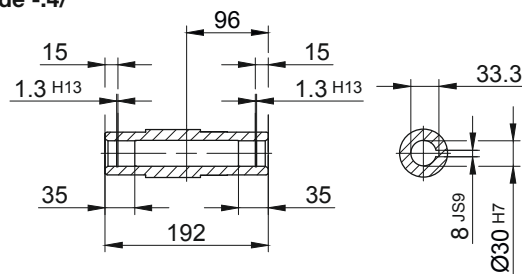
Flange with clearance holes at front

Code -3.V/

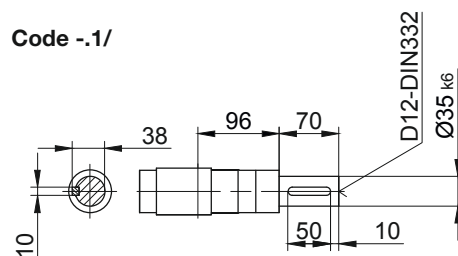
(Code -2.V)



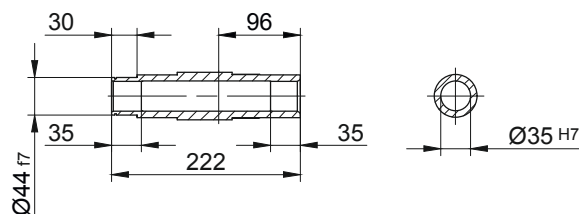
Code -4/



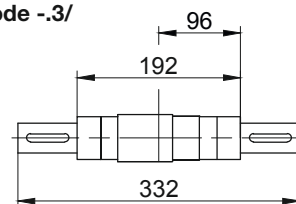
Code -1/



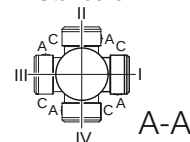
Code -5/



Code -3/



Standard



Flange Dimensions

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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK20Z-../D04.A.	142.5	100	110.5	488.5	90	112	532	576	619.5	-
BK20-../D..05.A.	170.5	60	123	476.5	101	117	518.5	579	616.5	-
BK20Z-../D..05.A.	170.5	102	123	518.5	101	117	560.5	621	658.5	-
BK20-../D..06.A.	170.5	60	123	476.5	99	119	518.5	579	616.5	-
BK20Z-../D..06.A.	170.5	102	123	518.5	99	119	560.5	621	658.5	-
BK20-../D..07.A.	190.5	60	123	496.5	99	119	538.5	599	636.5	-
BK20Z-../D..07.A.	190.5	102	123	538.5	99	119	580.5	641	678.5	-
BK20-../D..08.A.	199.5	64	156	509.5	114.5	136.5	575.5	621.5	683	575.5
BK20Z-../D..08.A.	199.5	146	156	591.5	114.5	136.5	657.5	703.5	765	657.5
BK20-../D..08.B.	229.5	64	156	539.5	114.5	136.5	605.5	651.5	712.5	605.5
BK20Z-../D..08.B.	229.5	146	156	621.5	114.5	136.5	687.5	733.5	794.5	687.5
BK20-../D..09.A.	250.5	78.5	176	575	124	157	741.5	682.5	772	668
BK20-../D..09.B.	308.5	78.5	176	633	124	157	620	740	830	726

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.

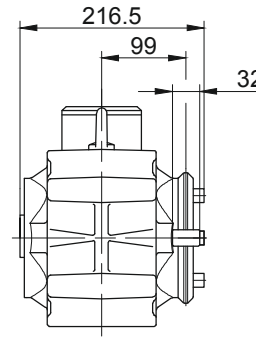
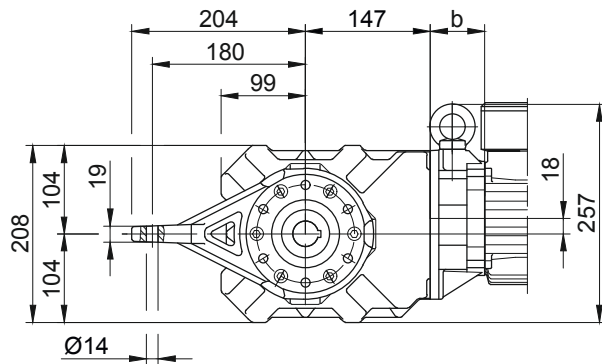
BK-series bevel-geared motors

Dimension - Standard Metric

BK20 - BK20Z

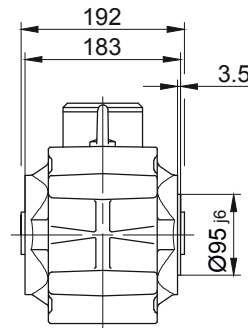
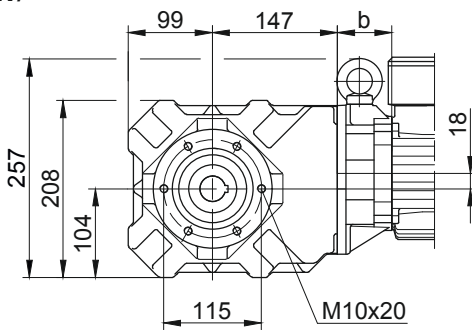
Torque arm at front

Code -5.V/



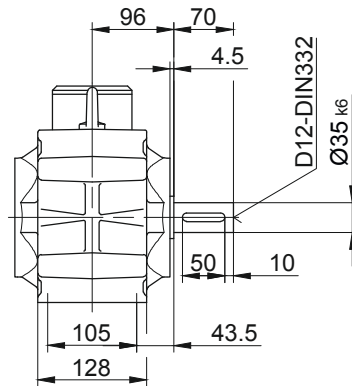
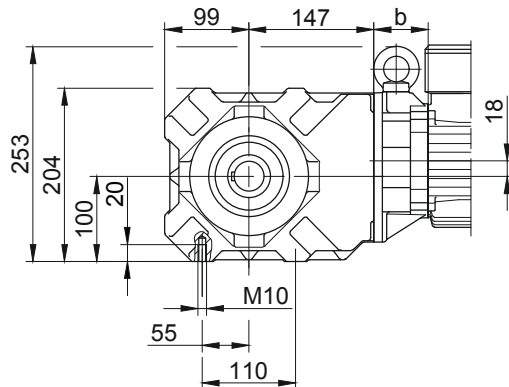
Flange with tapped holes at front

Code -7.V/



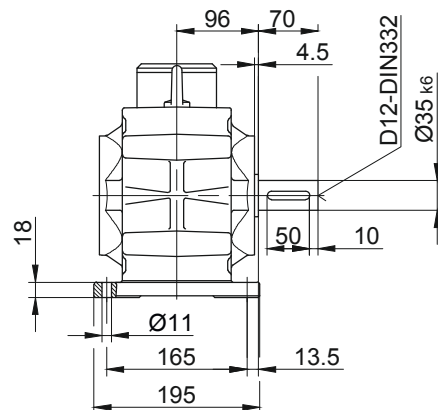
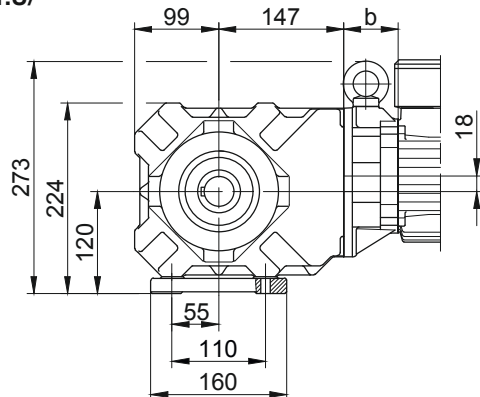
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

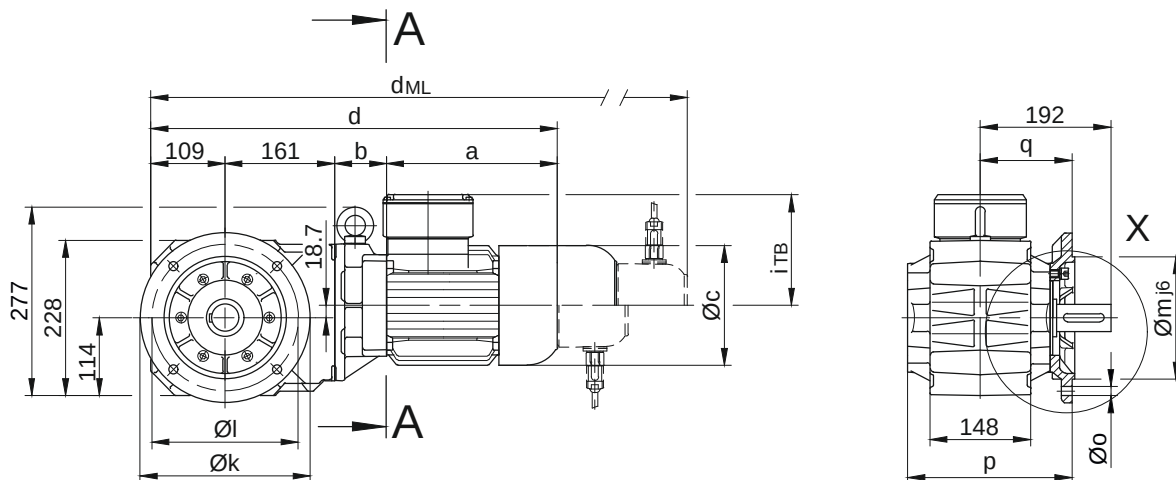
Dimension - Standard Metric

BK30 - BK30Z

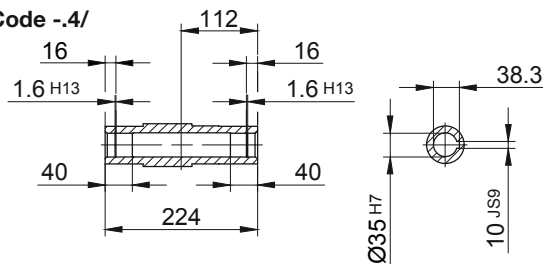
Flange with clearance holes at front

Code -3.V/

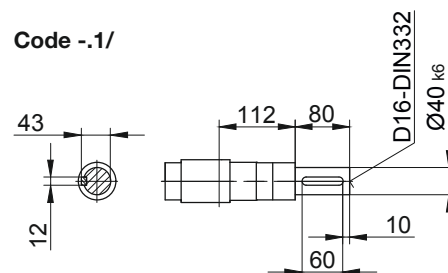
(Code -2.V)



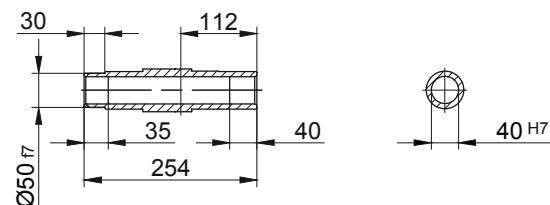
Code -4/



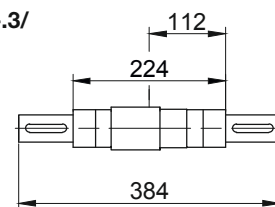
Code -1/



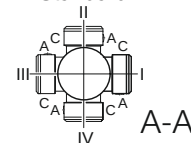
Code -5/



Code -3/



Standard



Flange Dimensions

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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK30-../D..05.A.	170.5	58	123	498.5	101	117	540.5	601	638.5	-
BK30Z-../D..05.A.	170.5	133.5	123	574	101	117	616	676.5	714	-
BK30-../D..06.A.	170.5	58	123	498.5	99	119	540.5	601	638.5	-
BK30Z-../D..06.A.	170.5	133.5	123	574	99	119	616	676.5	714	-
BK30-../D..07.A.	190.5	58	123	518.5	99	119	560.5	621	658.5	-
BK30Z-../D..07.A.	190.5	133.5	123	594	99	119	636	696.5	734	-
BK30-../D..08.A.	199.5	62	156	531.5	114.5	136.5	597.5	643.5	705	597.5
BK30Z-../D..08.A.	199.5	137.5	156	607	114.5	136.5	673	719	780.5	673
BK30-../D..08.B.	229.5	62	156	561.5	114.5	136.5	627.5	673.5	734.5	627.5
BK30Z-../D..08.B.	229.5	137.5	156	637	114.5	136.5	703	749	810	703
BK30-../D..09.A.	250.5	76.5	176	597	124	157	690	704.5	794	690
BK30Z-../D..09.A.	250.5	152	176	672.5	124	157	765.5	780	869.5	765.5
BK30-../D..09.B.	308.5	76.5	176	655	124	157	748	762	852	748
BK30Z-../D..09.B.	308.5	152	176	730.5	124	157	823.5	837.5	927.5	823.5
BK30-../D..11.A.	319	83	218	672	165	176	770	779.5	872	770
BK30-../D..11.B.	387	83	218	740	165	176	836	847.5	940	836

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.

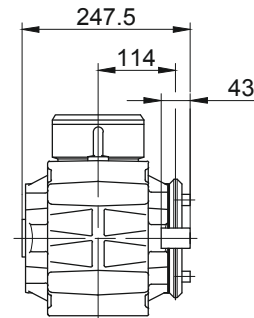
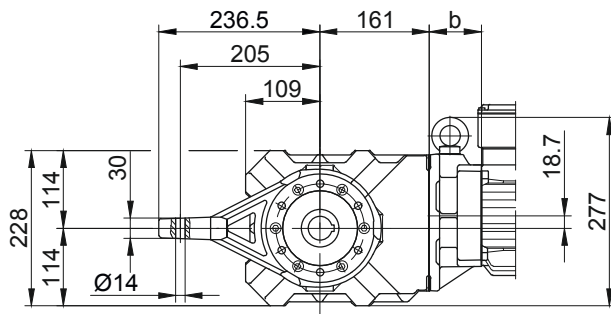
BK-series bevel-geared motors

Dimension - Standard Metric

BK30 - BK30Z

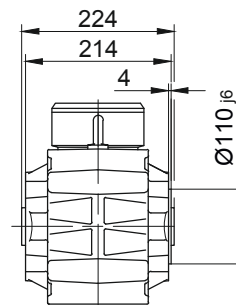
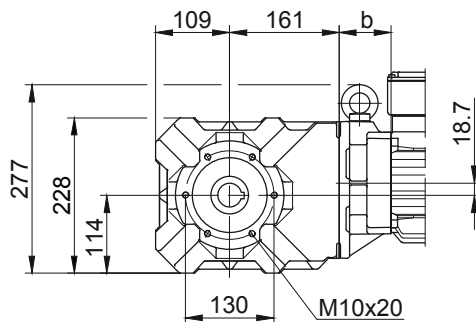
Torque arm at front

Code -5.V/



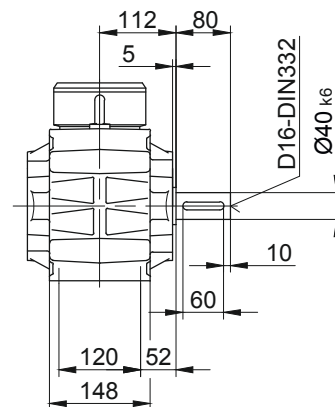
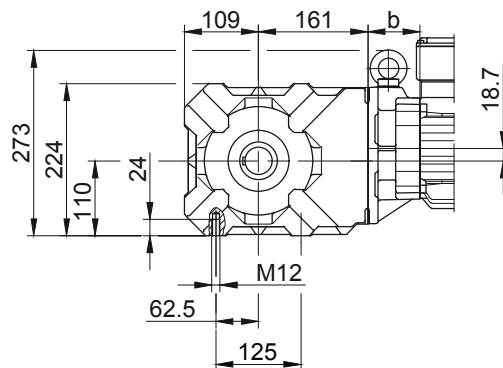
Flange with tapped holes at front

Code -7.V/



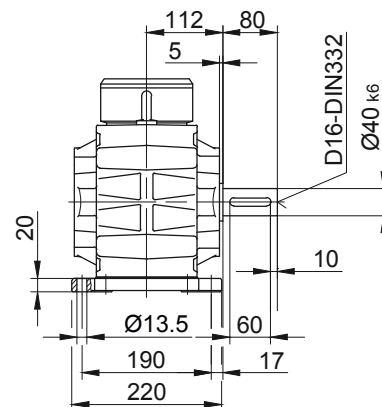
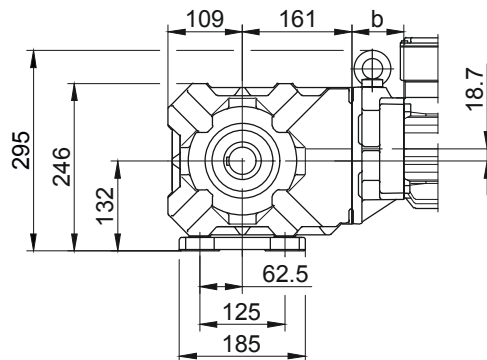
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

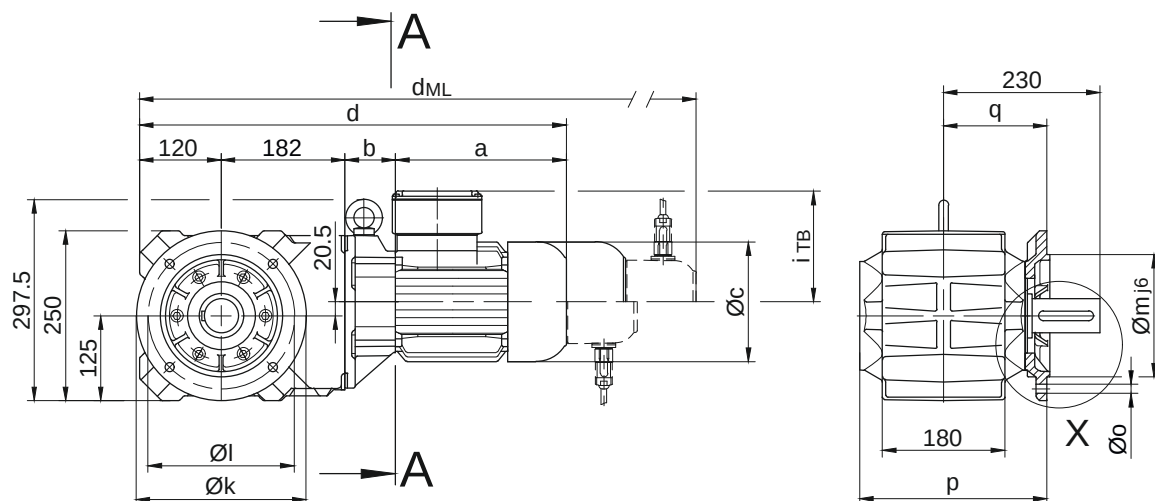
Dimension - Standard Metric

BK40 - BK40Z

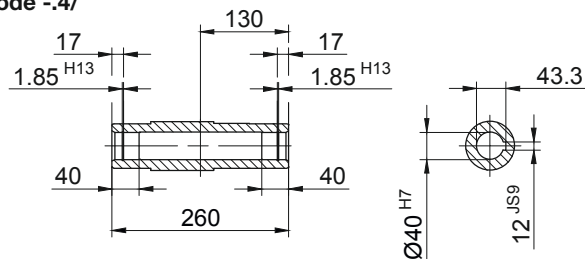
Flange with clearance holes at front

Code -3.V/

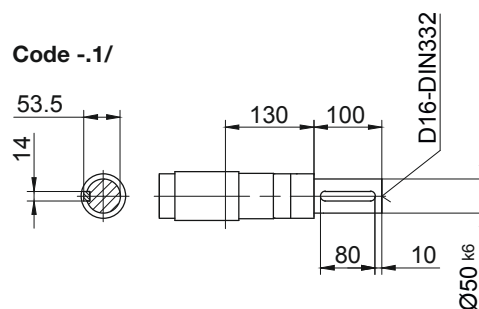
(Code -4.V)



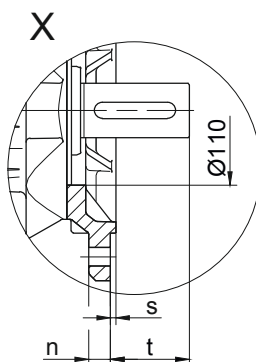
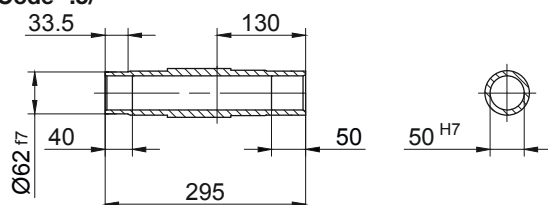
Code -.4/



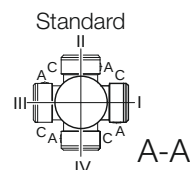
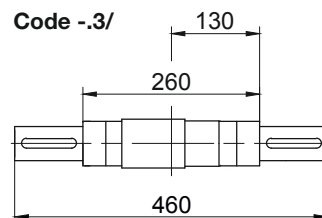
Code -.1/



Code -.5/



Code -.3/



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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK40Z-../D..05.A.	170.5	138.5	123	611	101	117	653	713.5	751	-
BK40Z-../D..06.A.	170.5	138.5	123	611	99	119	653	713.5	751	-
BK40Z-../D..07.A.	190.5	138.5	123	631	99	119	673	733.5	771	-
BK40-../D..08.A.	199.5	60	156	561.5	114.5	136.5	627.5	673.5	735	627.5
BK40Z-../D..08.A.	199.5	142.5	156	644	114.5	136.5	710	756	817.5	710
BK40-../D..08.B.	229.5	60	156	591.5	114.5	136.5	657.5	703.5	764.5	657.5
BK40Z-../D..08.B.	229.5	142.5	156	674	114.5	136.5	740	786	847	740
BK40-../D..09.A.	250.5	74.5	176	627	124	157	720	734.5	824	720
BK40Z-../D..09.A.	250.5	157	176	709.5	124	157	802.5	817	906.5	802.5
BK40-../D..09.B.	308.5	74.5	176	685	124	157	778	792	882	778
BK40Z-../D..09.B.	308.5	157	176	767.5	124	157	860.5	874.5	964.5	860.5
BK40-../D..11.A.	319	81	218	702	165	176	800	809.5	902	800
BK40-../D..11.B.	387	81	218	770	165	176	866	877.5	970	866

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

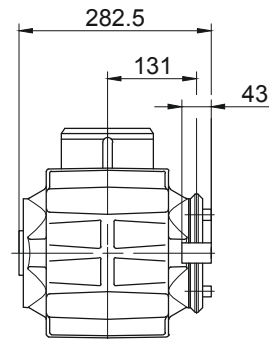
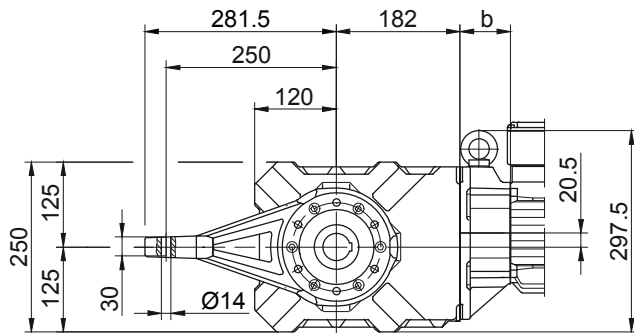
BK-series bevel-gear motors

Dimension - Standard Metric

BK40 - BK40Z

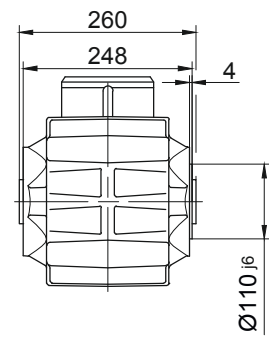
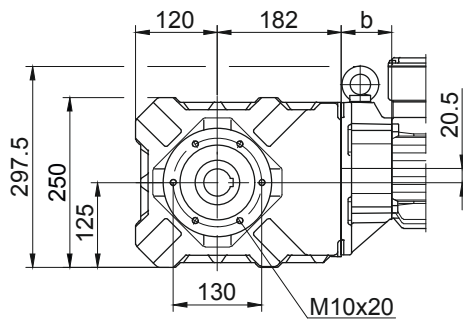
Torque arm at front

Code -5.V/



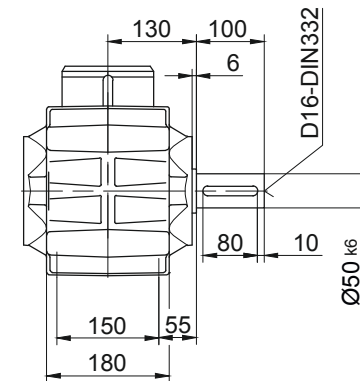
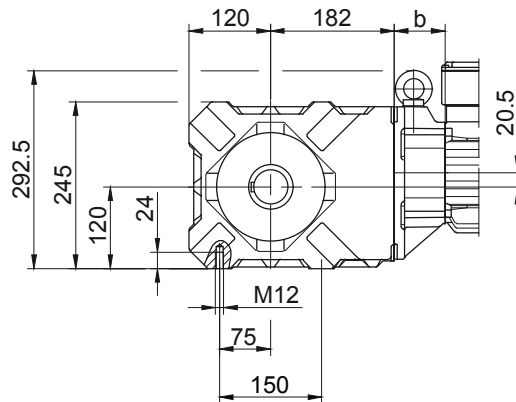
Flange with tapped holes at front

Code -7.V/



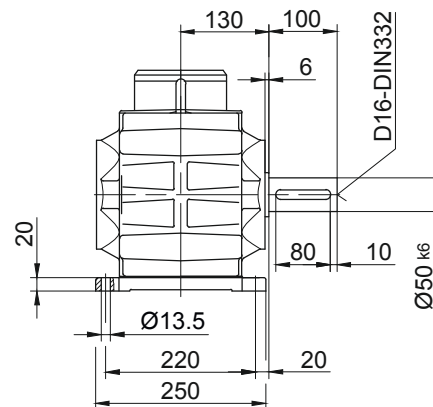
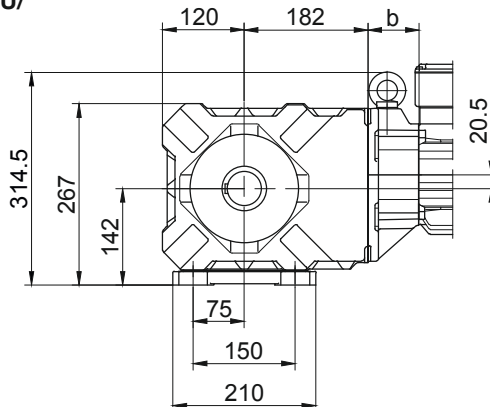
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

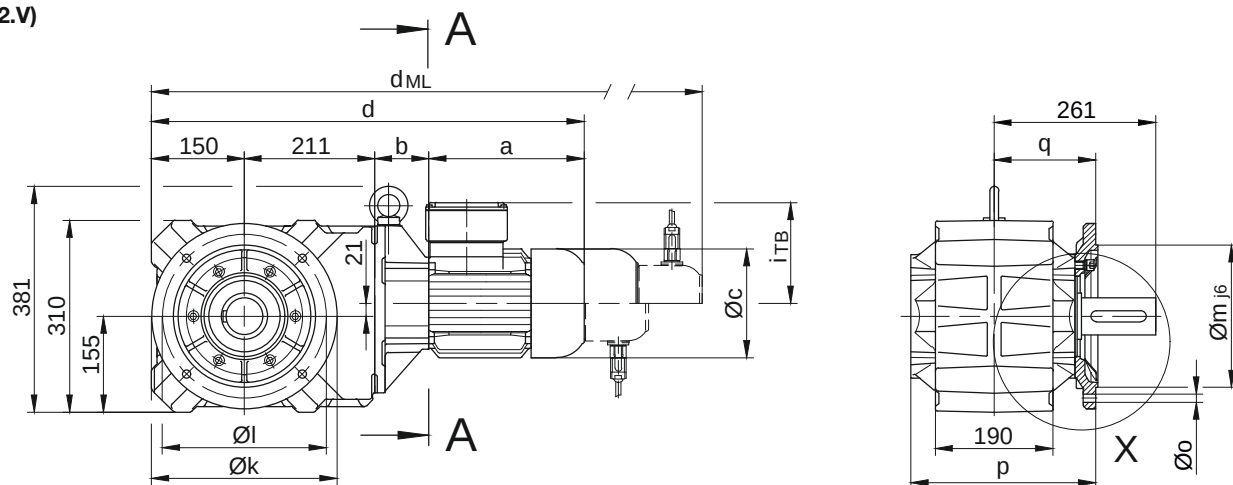
Dimension - Standard Metric

BK50 - BK50Z

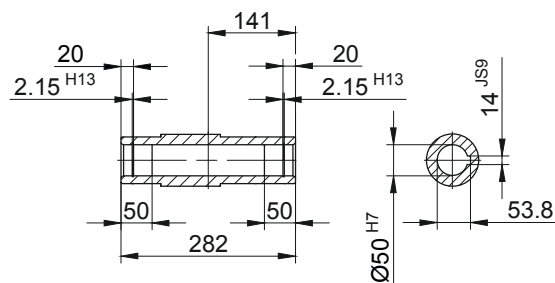
Flange with clearance holes at front

Code -3.V/

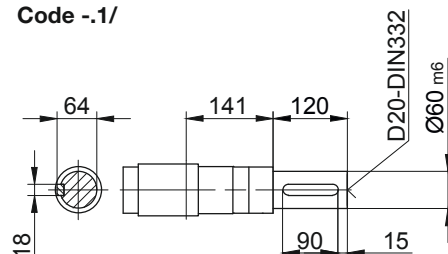
(Code -2.V)



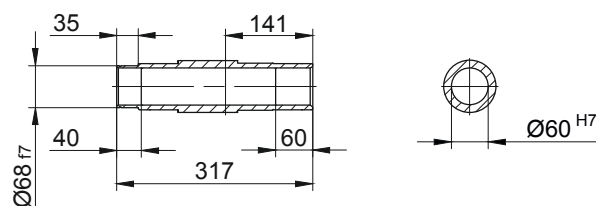
Code -.4/



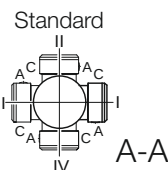
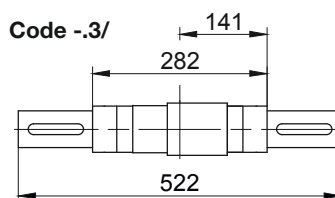
Code -.1/



Code -.5/



Code -.3/



Flange Dimensions

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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
BK50Z-../D..05.A.	170.5	155	123	686.5	101	117	728.5	789	826.5	-
BK50Z-../D..06.A.	170.5	155	123	686.5	99	119	728.5	789	826.5	-
BK50Z-../D..07.A.	190.5	155	123	706.5	99	119	748.5	809	846.5	-
BK50-../D..08.A.	199.5	73	156	633.5	114.5	136.5	699.5	745.5	807	699.5
BK50Z-../D..08.A.	199.5	159	156	719.5	114.5	136.5	785.5	831.5	893	785.5
BK50-../D..08.B.	229.5	73	156	663.5	114.5	136.5	729.5	775.5	836.5	729.5
BK50Z-../D..08.B.	229.5	159	156	749.5	114.5	136.5	815.5	861.5	922.5	815.5
BK50-../D..09.A.	250.5	87.5	176	699	124	157	792	806.5	896	792
BK50Z-../D..09.A.	250.5	173.5	176	785	124	157	878	892.5	982	878
BK50-../D..09.B.	308.5	87.5	176	757	124	157	850	864	954	850
BK50Z-../D..09.B.	308.5	173.5	176	843	124	157	936	950	1040	936
BK50-../D..11.A.	319	94	218	774	165	176	872	881.5	974	872
BK50-../D..11.B.	387	94	218	842	165	176	938	949.5	1042	938
BK50-../D..13.A.	393	107	258	861	217	217	972	968	1073	969
BK50-../D..16.B.	454.5	121	310	936.5	243	243	1080	1043.5	1183.5	1080
BK50-../D..18.B.	542	143	348	1046	288	288	1195.5	1151.5	1299	1195.5

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.

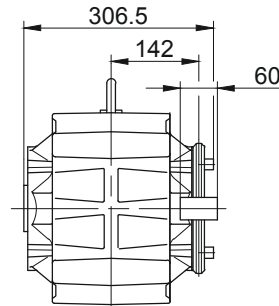
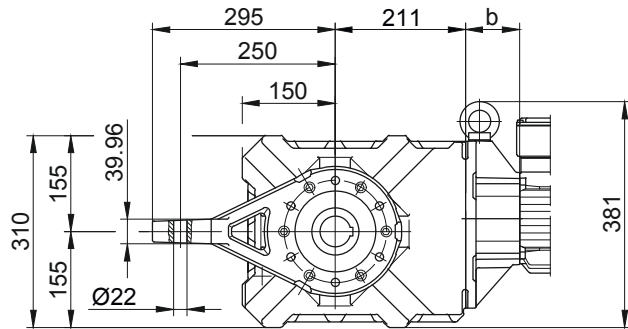
BK-series bevel-geared motors

Dimension - Standard Metric

BK50 - BK50Z

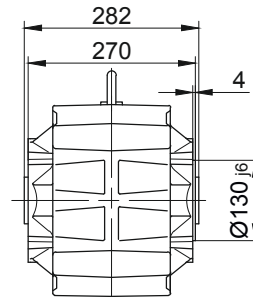
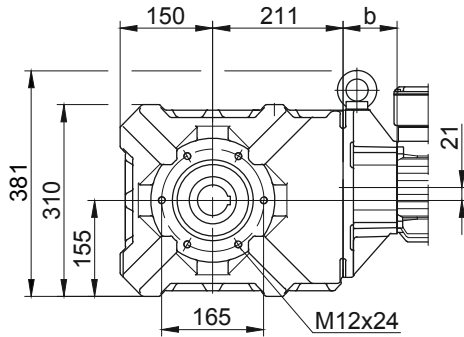
Torque arm at front

Code -5.V/



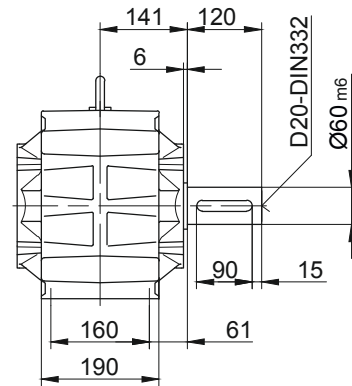
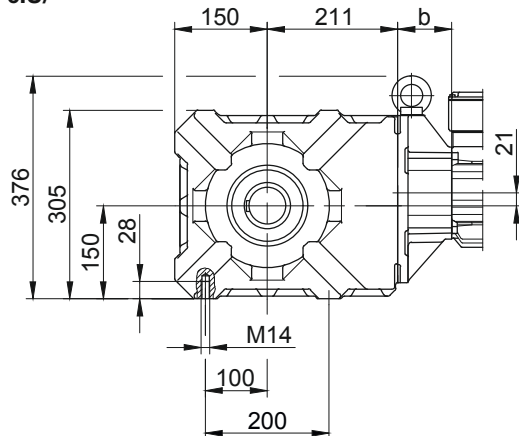
Flange with tapped holes at front

Code -7.V/



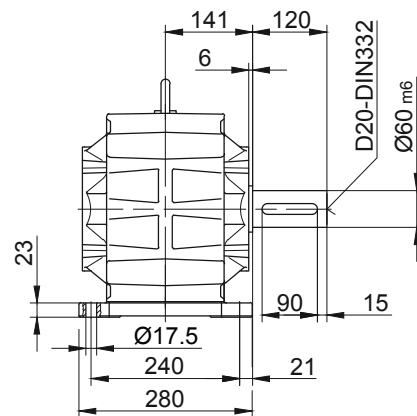
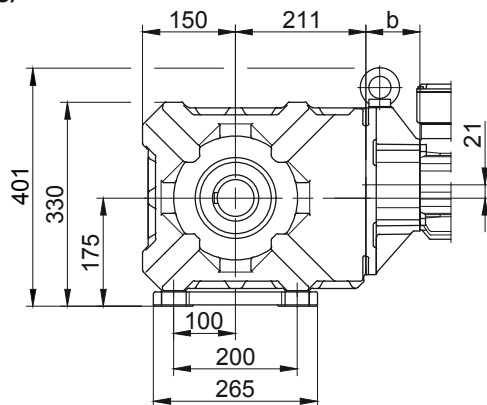
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

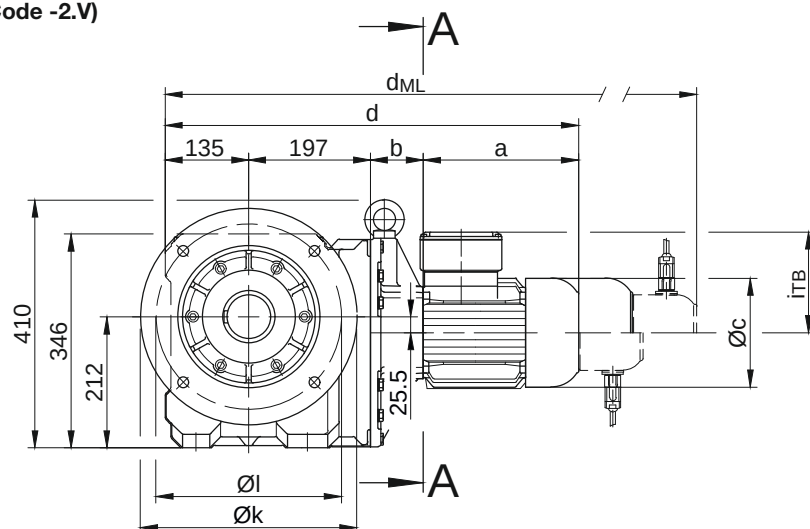
Dimension - Standard Metric

BK60 - BK60Z

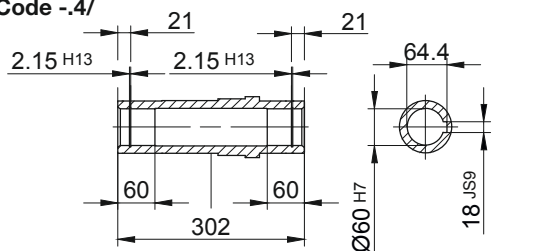
Flange with clearance holes at front

Code -3.V/

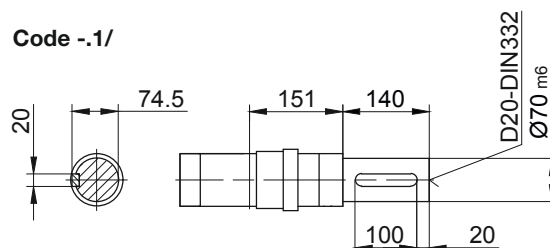
(Code -2.V)



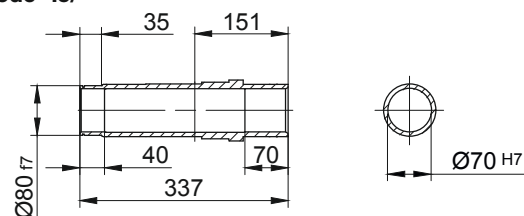
Code -4/



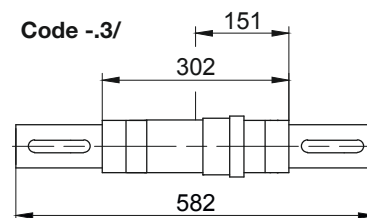
Code -1/



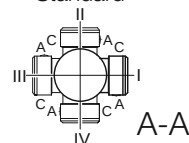
Code -5/



Code -3/



Standard



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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
BK60Z-../D..08.A.	199.5	181	156	712.5	114.5	136.5	778.5	824.5	886	778.5
BK60Z-../D..08.B.	229.5	181	156	742.5	114.5	136.5	808.5	854.5	915.5	808.5
BK60-../D..09.A.	250.5	85.5	176	668	124	157	761	775.5	865	761
BK60Z-../D..09.A.	250.5	195.5	176	778	124	157	871	885.5	975	871
BK60-../D..09.B.	308.5	85.5	176	726	124	157	819	833	923	819
BK60Z-../D..09.B.	308.5	195.5	176	836	124	157	929	943	1033	929
BK60-../D..11.A.	319	92	218	743	165	176	841	850.5	943	841
BK60Z-../D..11.A.	319	202	218	853	165	176	951	960.5	1053	951
BK60-../D..11.B.	387	92	218	811	165	176	907	918.5	1011	907
BK60Z-../D..11.B.	387	202	218	921	165	176	1017	1028.5	1121	1017
BK60-../D..13.A.	393	105	258	830	217	217	941	937	1042	938
BK60-../D..16.B.	454.5	119	310	905.5	243	243	1049	1012.5	1152.5	1049
BK60-../D..18.B.	542	141	348	1015	288	288	1164.5	1120.5	1268	1164.5

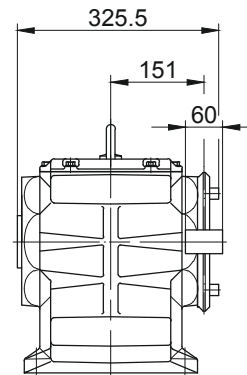
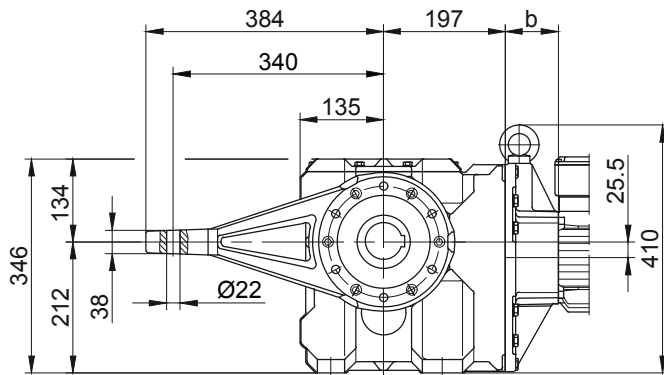
Dimensions in millimetres (mm)

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

BK60 - BK60Z

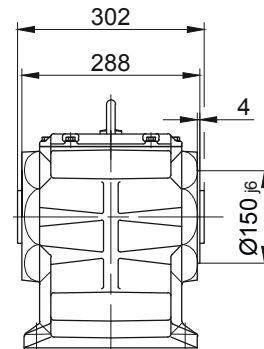
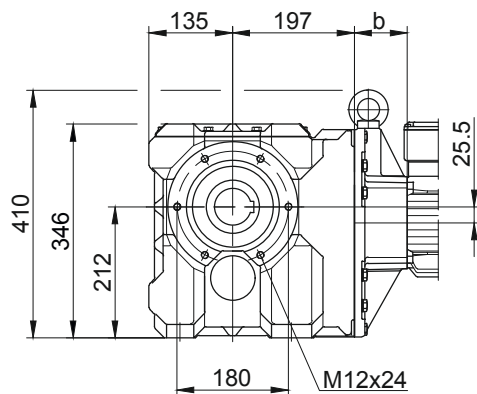
Torque arm at front

Code -5.V/



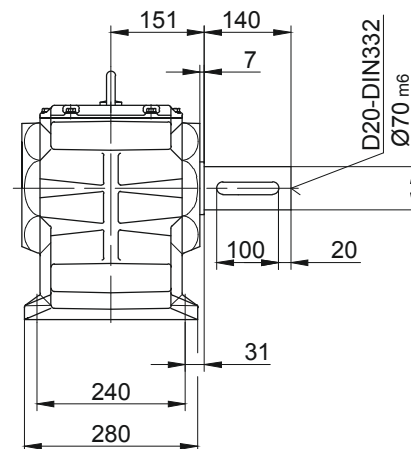
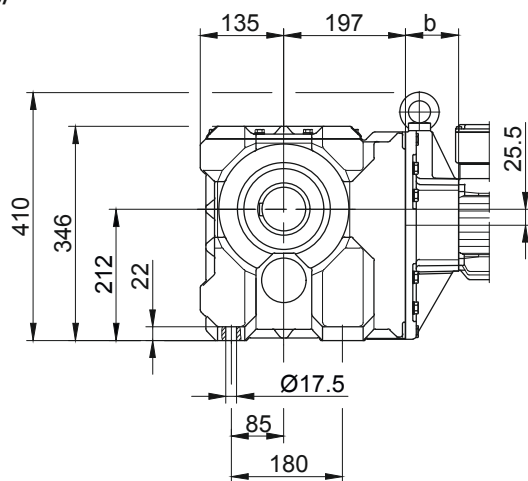
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



BK-series bevel-geared motors

Dimension - Standard Metric

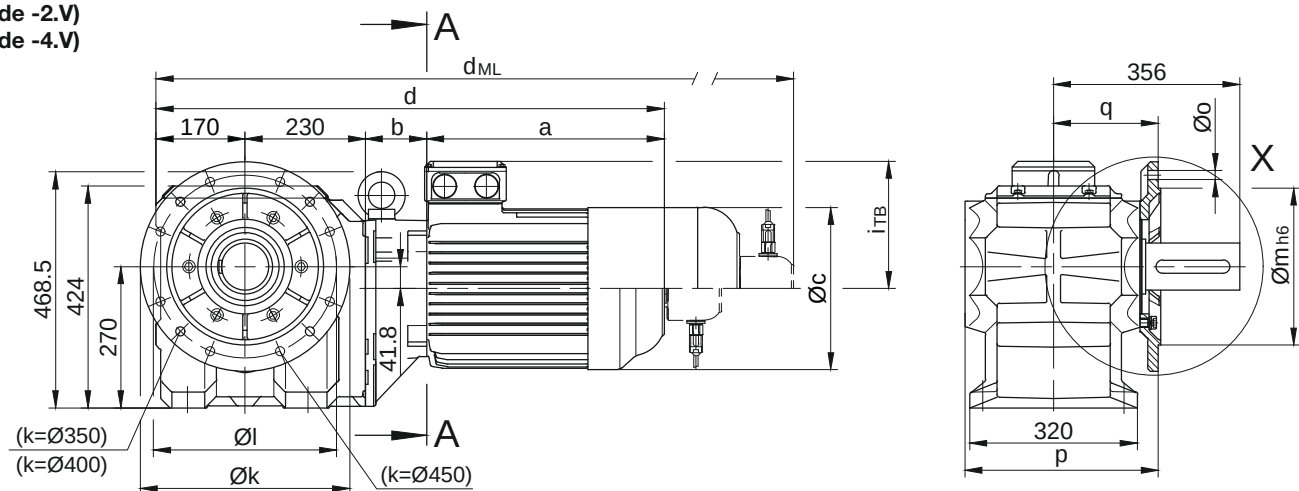
BK70 - BK70Z

Flange with clearance holes at front

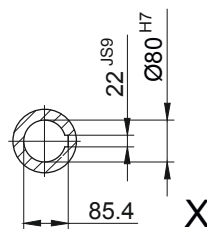
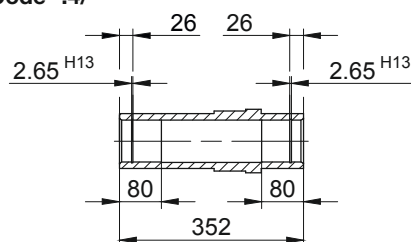
Code -3.V/

(Code -2.V)

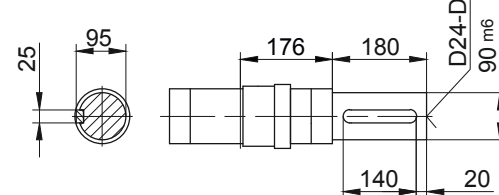
(Code -4.V)



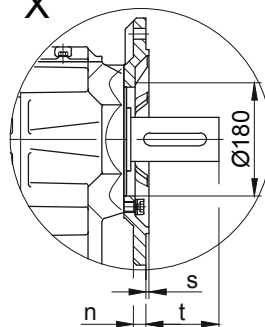
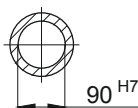
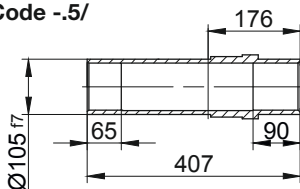
Code -4/



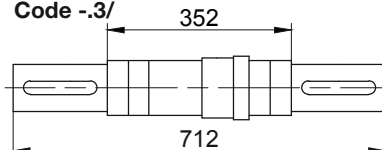
Code -1/



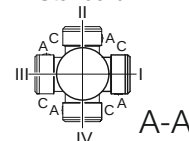
Code -5/



Code -3/



Standard



Type	Design	k	l	m	n	o	p	q	s	t
BK70..	Code -3.V/	400	350	300	20	4 x 17.5	369	200	5	157
BK70..	Code -2.V/	350	300	250	20	4 x 17.5	369	200	5	157
BK70..	Code -4.V/	450	400	350	22	4 x 17.5	379	210	5	147

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK70Z-../D..08.A.	199.5	202	156	801.5	114.5	136.5	867.5	913.5	975	867.5
BK70Z-../D..08.B.	229.5	202	156	831.5	114.5	136.5	897.5	943.5	1004.5	897.5
BK70-../D..09.A.	250.5	83.5	176	734	124	157	827	841.5	931	827
BK70Z-../D..09.A.	250.5	216.5	176	867	124	157	960	974.5	1064	960
BK70-../D..09.B.	308.5	83.5	176	792	124	157	885	899	989	885
BK70Z-../D..09.B.	308.5	216.5	176	925	124	157	1018	1032	1122	1018
BK70-../D..11.A.	319	90	218	809	165	176	907	916.5	1009	907
BK70Z-../D..11.A.	319	223	218	942	165	176	1040	1049.5	1142	1040
BK70-../D..11.B.	387	90	218	877	165	176	973	984.5	1077	973
BK70Z-../D..11.B.	387	223	218	1010	165	176	1106	1117.5	1210	1106
BK70-../D..13.A.	393	103	258	896	217	217	1007	1003	1108	1004
BK70Z-../D..13.A.	393	236	258	1029	217	217	1140	1136	1241	1137
BK70-../D..16.B.	454.5	117	310	971.5	243	243	1115	1078.5	1218.5	1115
BK70Z-../D..16.B.	454.5	250	310	1104.5	243	243	1248	1211.5	1351.5	1248
BK70-../D..18.B.	542	139	348	1081	288	288	1230.5	1186.5	1334	1230.5
BK70Z-../D..18.B.	542	272	348	1214	288	288	1363.5	1319.5	1467	1363.5
BK70-../D..20.A.	703.5	156	363	1259.5	302	302	1387	1365	1492.5	1259.5
BK70-../D..22.A.	703.5	156	363	1259.5	302	302	1387	1365	1492.5	1259.5

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.

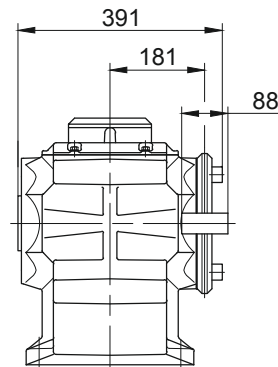
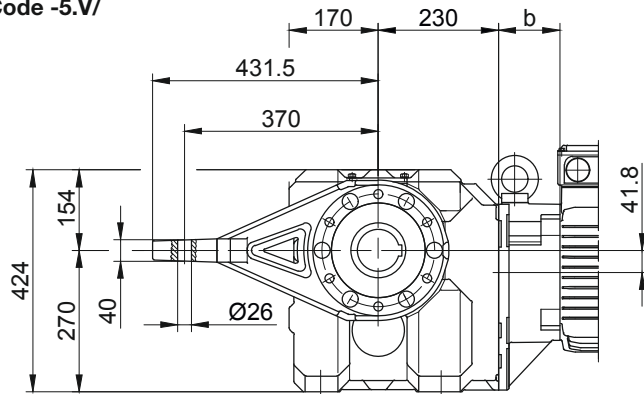
BK-series bevel-geared motors

Dimension - Standard Metric

BK70 - BK70Z

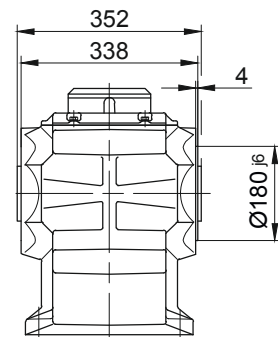
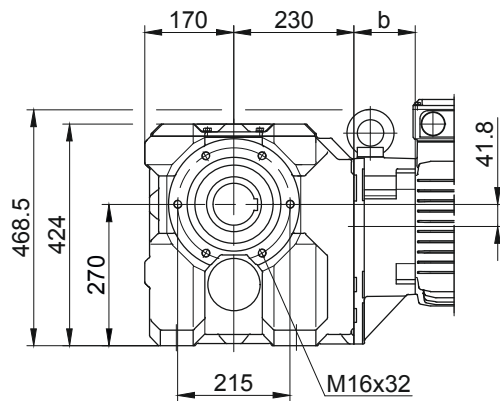
Torque arm at front

Code -5.V/



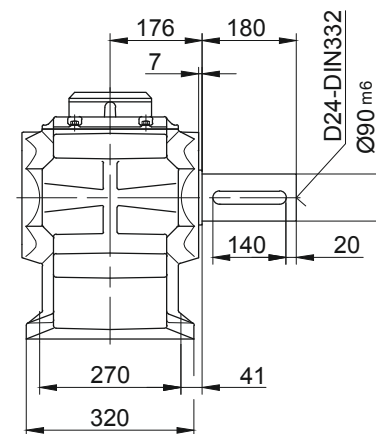
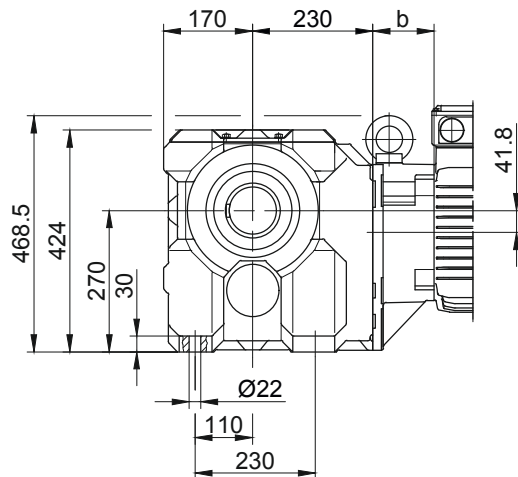
Flange with tapped holes at front

Code -7.V/

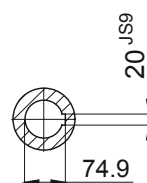
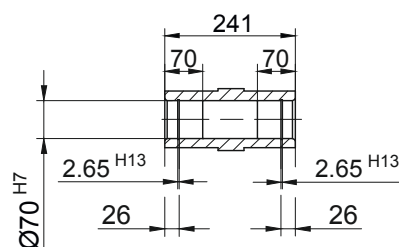


Foot with clearance holes at bottom

Code -1.U/



Code -.4/K70



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

BK-series bevel-geared motors

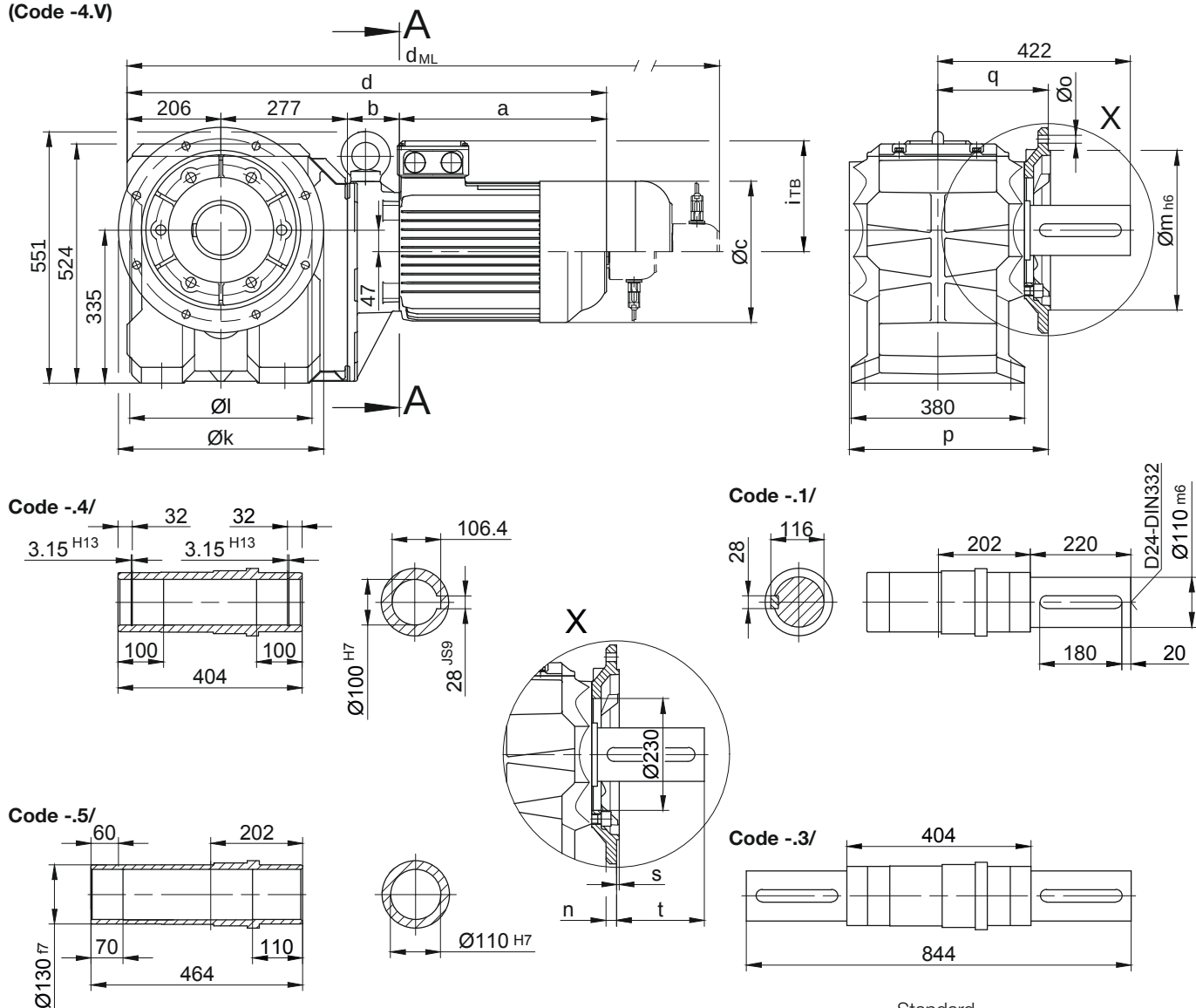
Dimension - Standard Metric

BK80 - BK80Z

Flange with clearance holes at front

Code -3.V/

(Code -4.V)



Flange Dimensions

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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	iTB	Design with motor extensions			
							Brake	Encoder	Brake with Encoder	Back Stop
BK80Z-../D..09.A.	250.5	252.5	176	986	124	157	1079	1093.5	1183	1079
BK80Z-../D..09.B.	308.5	252.5	176	1044	124	157	1137	1151	1241	1137
BK80-../D..11.A.	319	87	218	889	165	176	987	996.5	1089	987
BK80Z-../D..11.A.	319	259	218	1061	165	176	987	1168.5	1261	1159
BK80-../D..11.B.	387	87	218	957	165	176	1053	1064.5	1157	1053
BK80Z-../D..11.B.	387	259	218	1129	165	176	1225	1236.5	1329	1225
BK80-../D..13.A.	393	100	258	976	217	217	1087	1083	1188	1084
BK80Z-../D..13.A.	393	272	258	1148	217	217	1259	1255	1360	1256
BK80-../D..16.B.	454.5	114	310	1051.5	243	243	1195	1158.5	1298.5	1195
BK80Z-../D..16.B.	454.5	286	310	1223.5	243	243	1367	1330.5	1470.5	1367
BK80-../D..18.B.	542	136	348	1161	288	288	1217	1266.5	1414	1310.5
BK80Z-../D..18.B.	542	308	348	1333	288	288	1389	1438.5	1586	1482.5
BK80-../D..20.A.	703.5	153	363	1339.5	302	302	1467	1445	1572.5	1339.5
BK80-../D..22.A.	703.5	153	363	1339.5	302	302	1467	1445	1572.5	1339.5

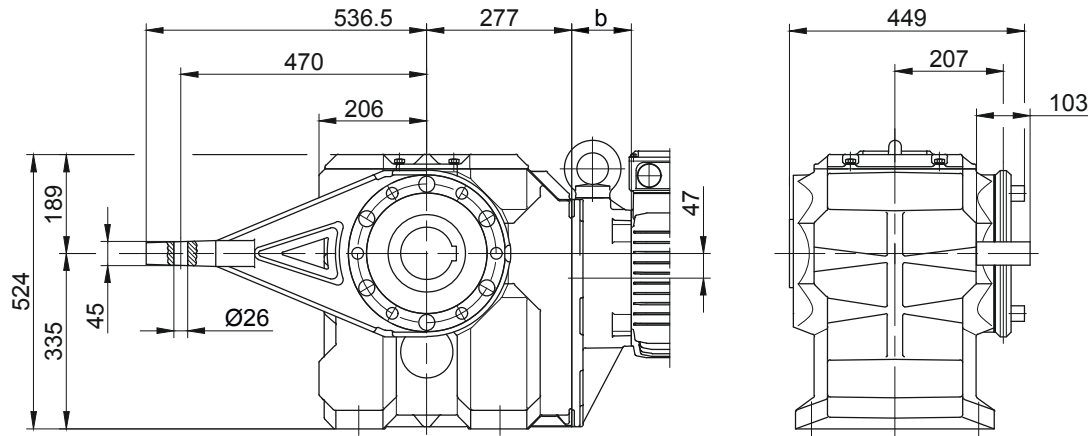
Dimensions in millimetres (mm)

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

BK80 - BK80Z

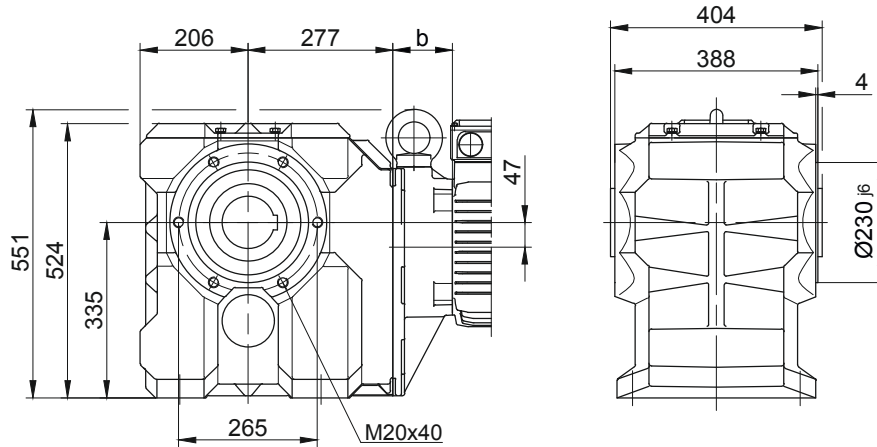
Torque arm at front

Code -5.V/



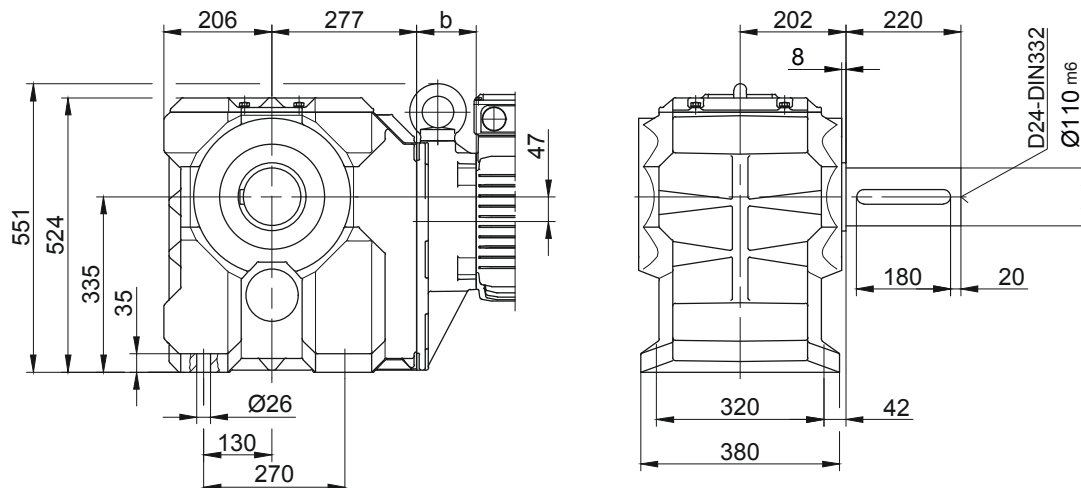
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

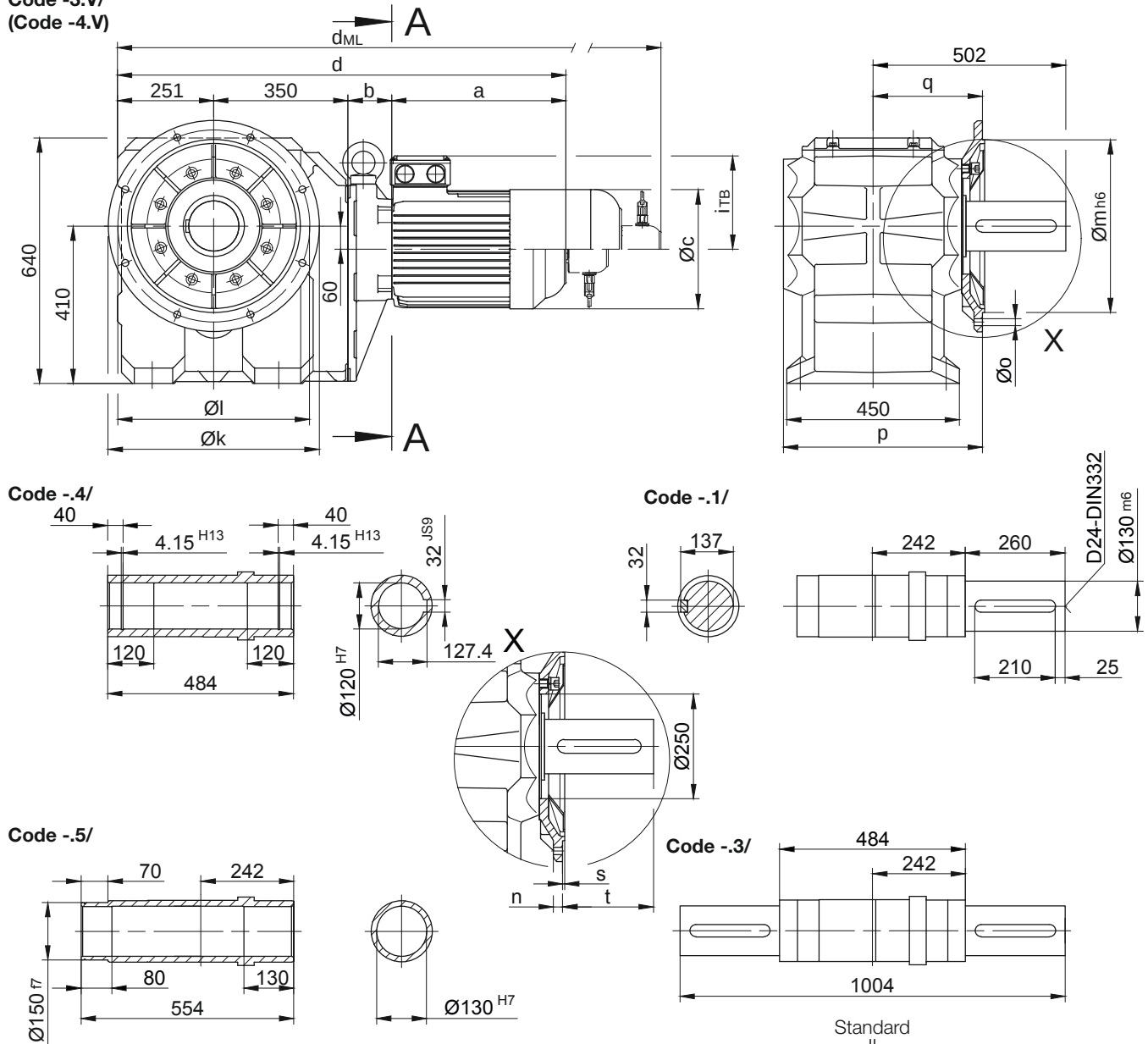
BK-series bevel-geared motors

Dimension - Standard Metric

BK90 - BK90Z

Flange with clearance holes at front

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



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

Dimensions in millimetres (mm)

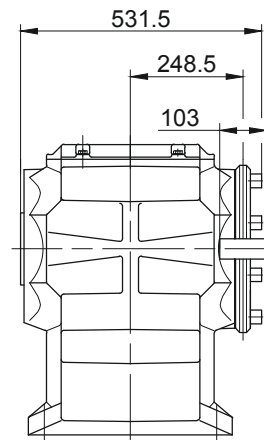
Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK90Z-../D..09.A.	250.5	267	176	1118.5	124	157	1211.5	1226	1315.5	1211.5
BK90Z-../D..09.B.	308.5	267	176	1176.5	124	157	1269.5	1283.5	1373.5	1269.5
BK90Z-../D..11.A.	319	273.5	218	1193.5	165	176	1291.5	1301	1393.5	1291.5
BK90Z-../D..11.B.	387	273.5	218	1261.5	165	176	1357.5	1369	1461.5	1357.5
BK90-../D..13.A.	393	100	258	1094	217	217	1205	1201	1306	1202
BK90Z-../D..13.A.	393	286.5	258	1280.5	217	217	1391.5	1387.5	1492.5	1388.5
BK90-../D..16.B.	454.5	114	310	1169.5	243	243	1313	1276.5	1416.5	1313
BK90Z-../D..16.B.	454.5	300.5	310	1356	243	243	1499.5	1463	1603	1499.5
BK90-../D..18.B.	542	136	348	1279	288	288	1428.5	1384.5	1532	1428.5
BK90Z-../D..18.B.	542	322.5	348	1465.5	288	288	1615	1571	1718.5	1615
BK90-../D..20.A.	703.5	153	363	1457.5	302	302	1585	1563	1690.5	1457.5
BK90-../D..22.A.	703.5	153	363	1457.5	302	302	1585	1563	1690.5	1457.5

Dimensions in millimetres (mm)

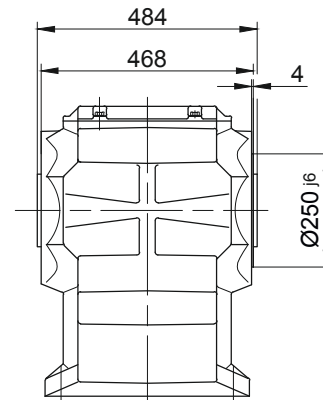
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Dimension - Standard Metric

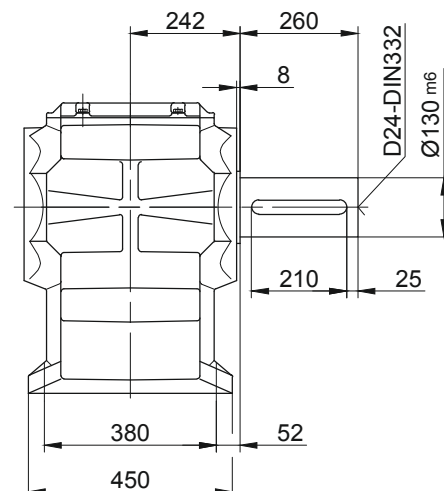
Code -5.V/



Code -7.V/



Code -1.U/



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BK-series bevel-geared motors

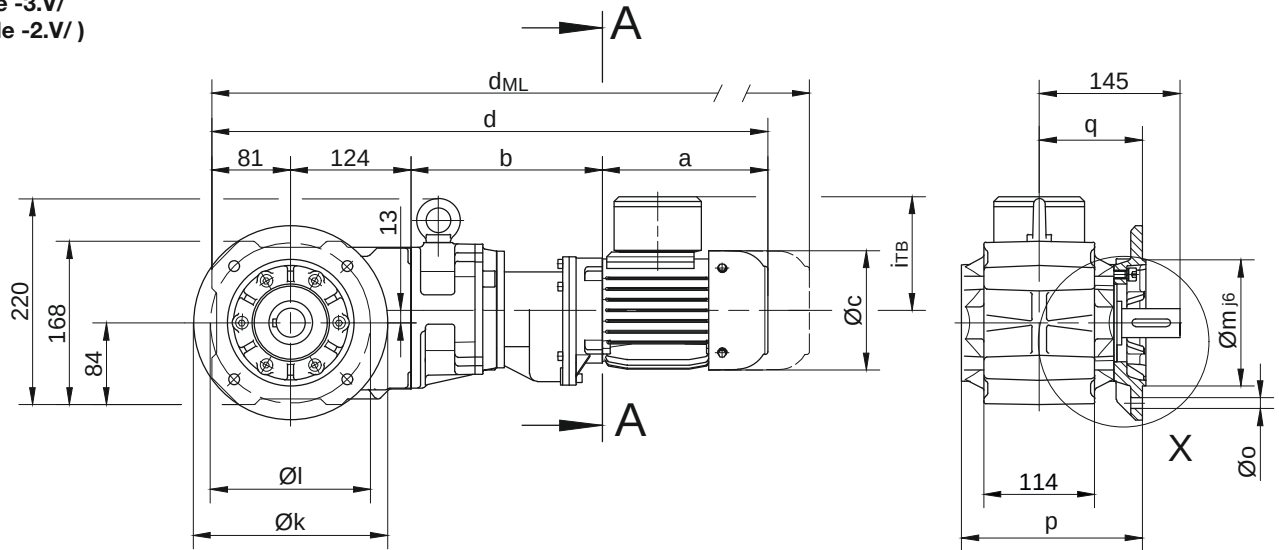
Dimension - Tandem Gearbox Metric

BK10G06

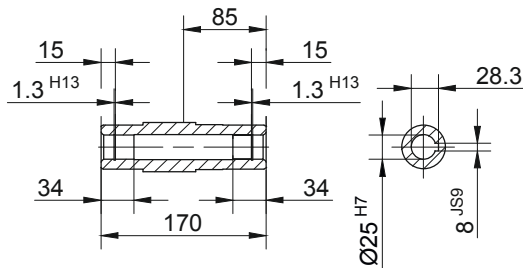
Flange with clearance holes at front

Code -3.V/

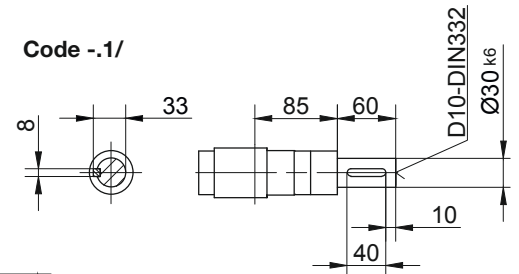
(Code -2.V/)



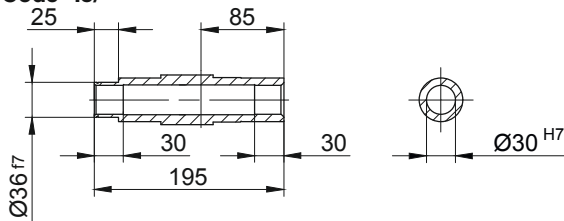
Code -4/



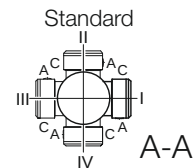
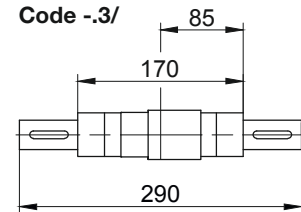
Code -1/



Code -5/



Code -3/



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

Dimensions in millimeters (mm)

Type	a	b	c	d	i	Design with motor extensions				
						iTB	Brake	Encoder	Brake with Encoder	Back Stop
							dML	dML	dML	dML
BK10G06-.../D04.A.	142.5	193	110.5	540.5	90	112	584	628	671.5	-
BK10G06-.../D..05.A.	170.5	195	123	570.5	101	117	612.5	673	710.5	-
BK10G06-.../D..06.A.	170.5	195	123	570.5	99	119	612.5	673	710.5	-
BK10G06-.../D..07.A.	190.5	195	123	590.5	99	119	632.5	693	730.5	-
BK10G06-.../D..08.A.	199.5	239	156	643.5	114.5	136.5	709.5	755.5	817	709.5
BK10G06-.../D..08.B.	229.5	239	156	673.5	114.5	136.5	739.5	785.5	846.5	739.5

Dimensions in millimeters (mm)

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

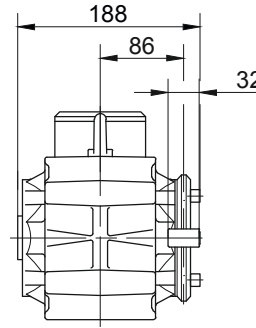
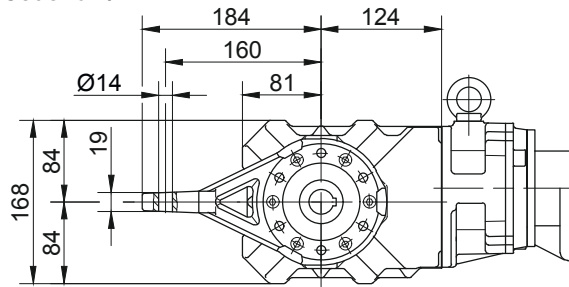
BK-series bevel-geared motors

Dimension - Tandem Gearbox Metric

BK10G06

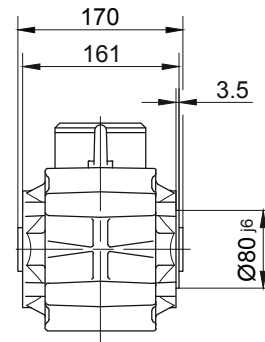
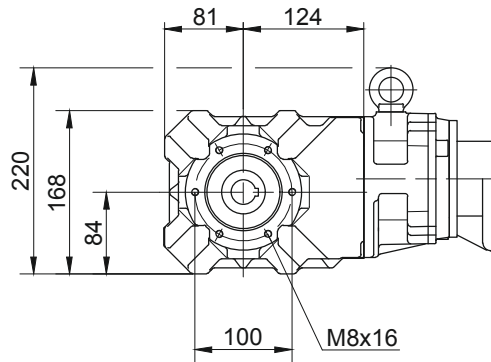
Torque arm at front

Code -5.V/



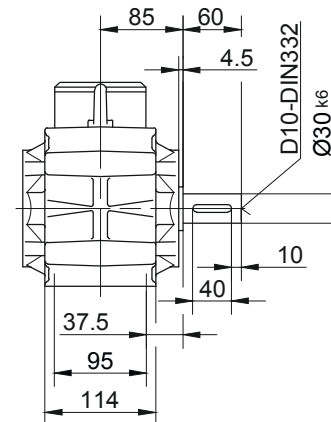
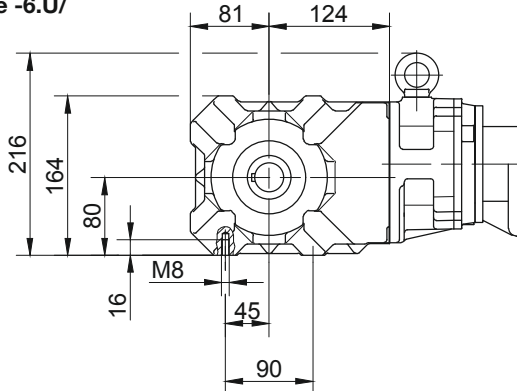
Flange with tapped holes at front

Code -7.V/



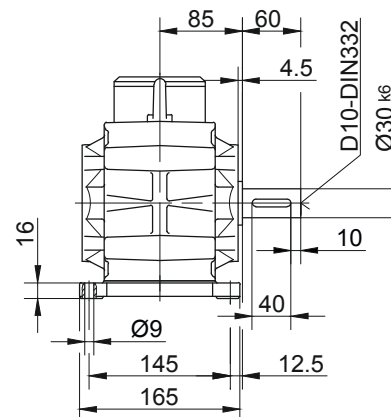
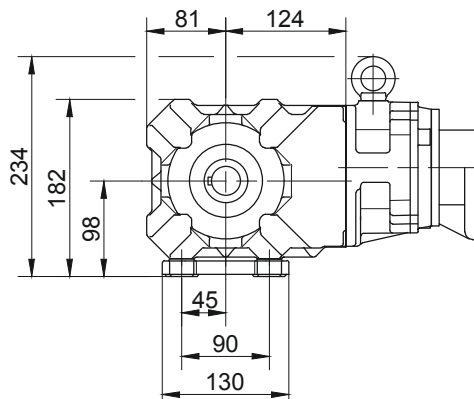
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

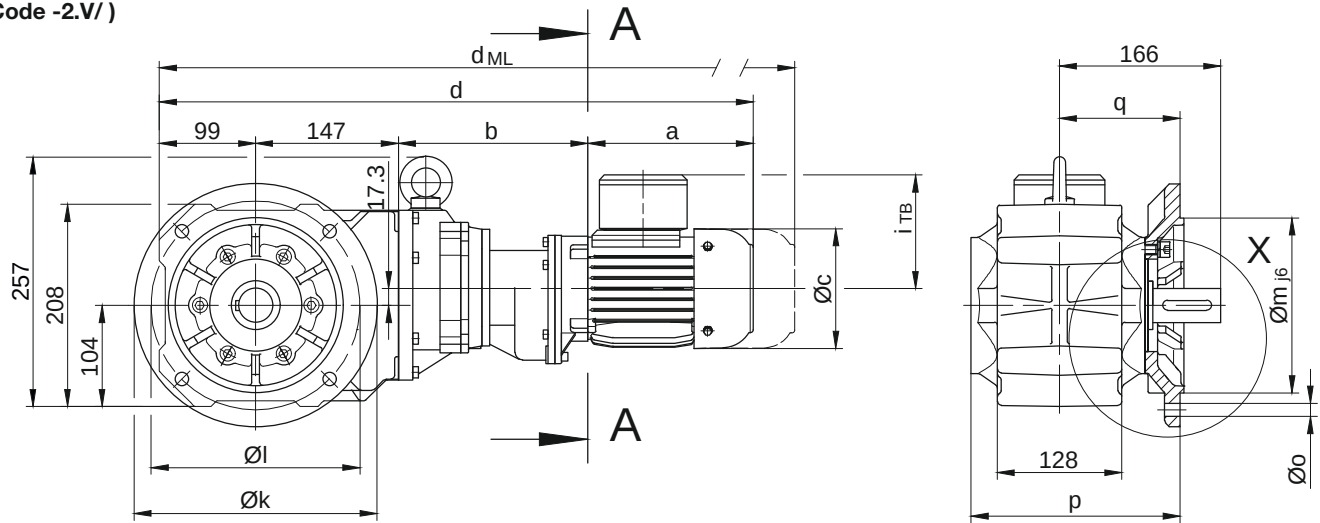
Dimension - Tandem Gearbox Metric

BK20G06

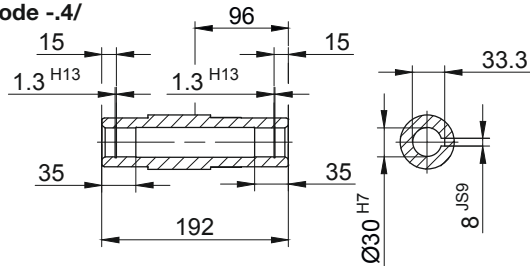
Flange with clearance holes at front

Code -3.V/

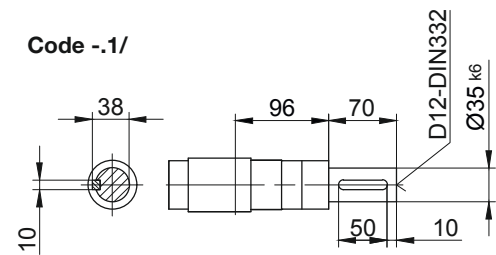
(Code -2.V/)



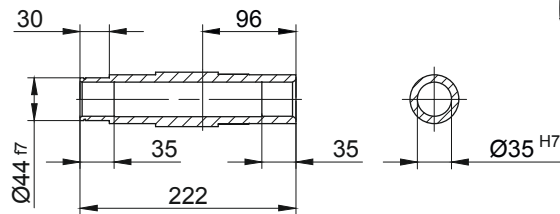
Code -4/



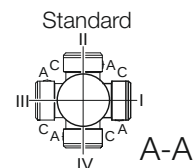
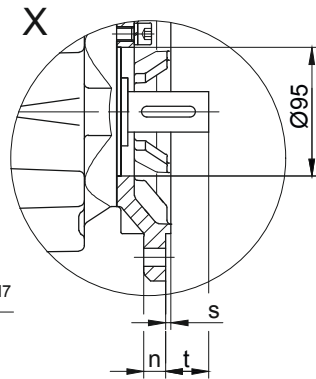
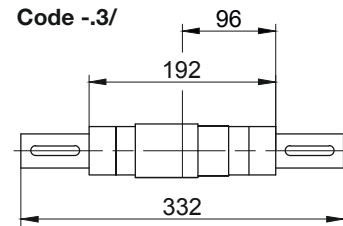
Code -1/



Code -5/



Code -3/



Flange Dimensions

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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK20G06-.../D04.A.	142.5	193	110.5	581.5	90	112	625	669	712.5	-
BK20G06-.../D..05.A.	170.5	195	123	611.5	101	117	653.5	714	751.5	-
BK20G06-.../D..06.A.	170.5	195	123	611.5	99	119	653.5	714	751.5	-
BK20G06-.../D..07.A.	190.5	195	123	631.5	99	119	673.5	734	771.5	-
BK20G06-.../D..08.A.	199.5	239	156	684.5	114.5	136.5	750.5	796.5	858	750.5
BK20G06-.../D..08.B.	229.5	239	156	714.5	114.5	136.5	780.5	826.5	887.5	780.5

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.

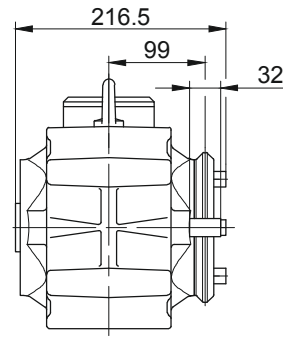
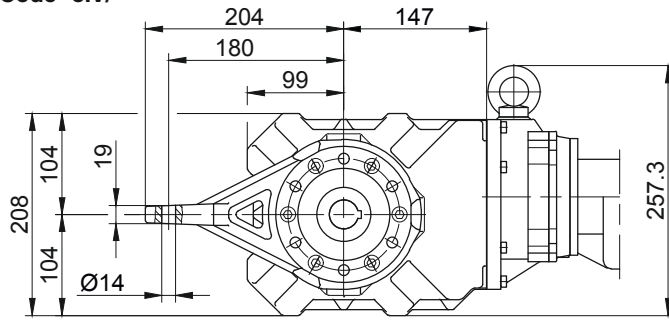
BK-series bevel-geared motors

Dimension - Tandem Gearbox Metric

BK20G06

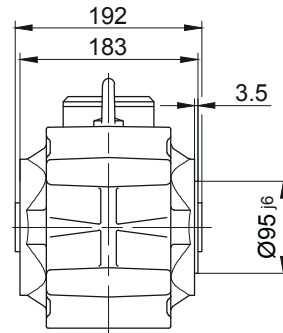
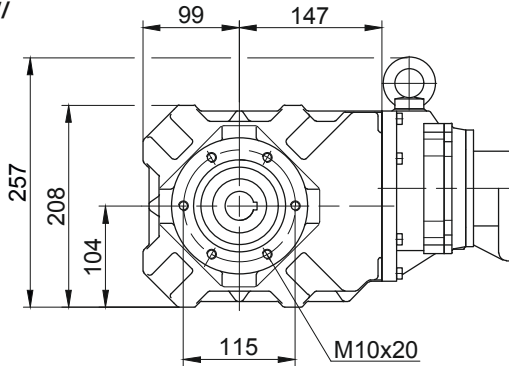
Torque arm at front

Code -5.V/



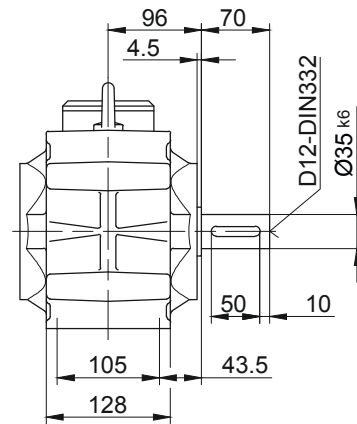
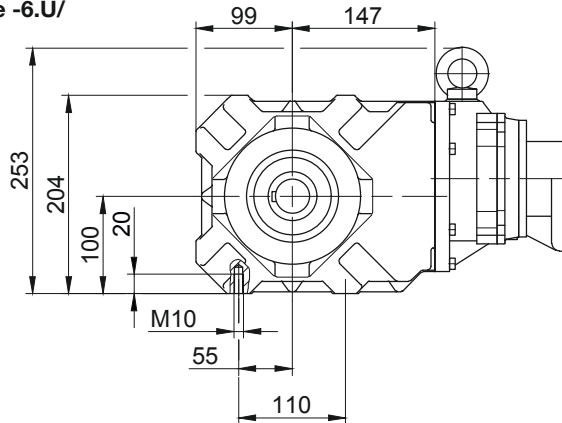
Flange with tapped holes at front

Code -7.V/



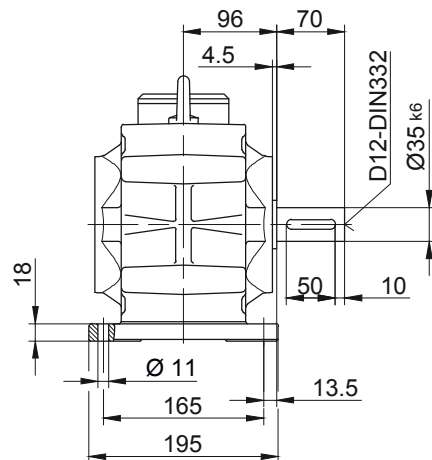
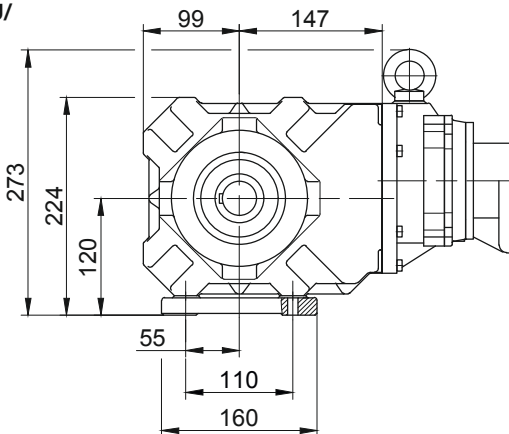
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

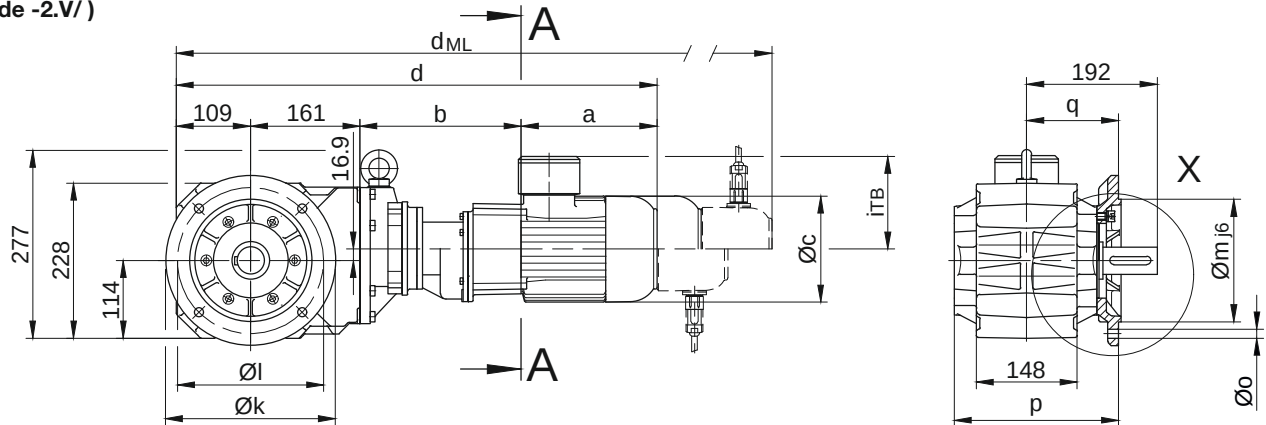
Dimension - Tandem Gearbox Metric

BK30G06

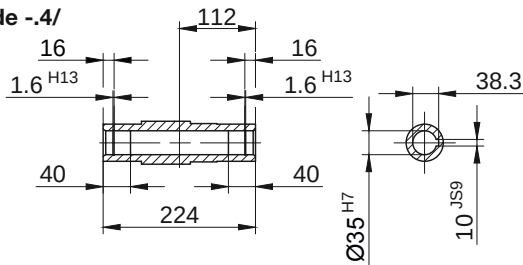
Flange with clearance holes at front

Code -3.V/

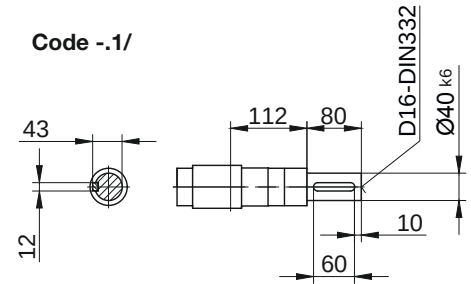
(Code -2.V/)



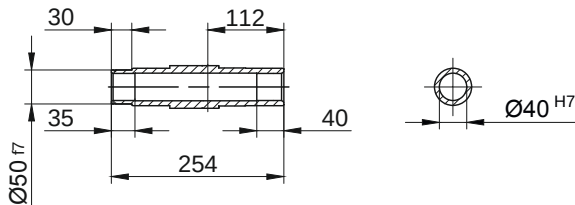
Code -.4/



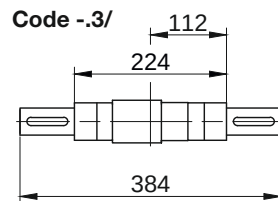
Code -.1/



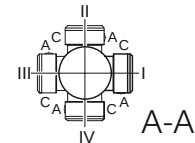
Code -.5/



Code -.3/



Standard



Flange Dimensions

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

Dimensions in millimeters (mm)

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}
BK30G06-.../D04.A.	142.5	191	110.5	603.5	90	112	647	691	734.5	-
BK30G06-.../D..05.A.	170.5	193	123	633.5	101	117	675.5	736	773.5	-
BK30G06-.../D..06.A.	170.5	193	123	633.5	99	119	675.5	736	773.5	-
BK30G06-.../D..07.A.	190.5	193	123	653.5	99	119	695.5	756	793.5	-
BK30G06-.../D..08.A.	199.5	237	156	706.5	114.5	136.5	772.5	818.5	880	772.5
BK30G06-.../D..08.B.	229.5	237	156	736.5	114.5	136.5	802.5	848.5	909.5	802.5

Dimensions in millimeters (mm)

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

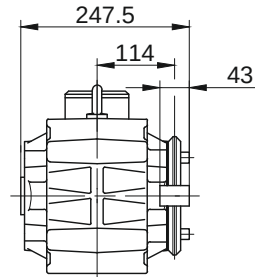
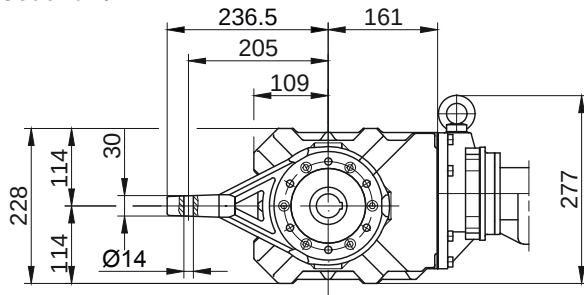
BK-series bevel-gearbed motors

Dimension - Tandem Gearbox Metric

BK30G06

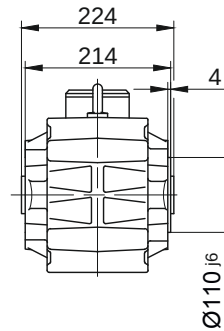
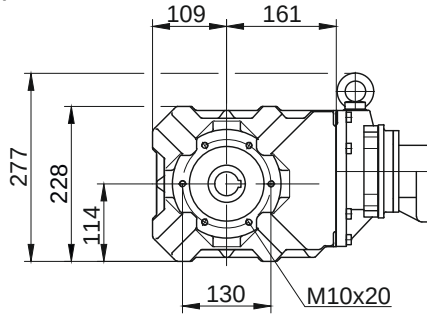
Torque arm at front

Code -5.V/



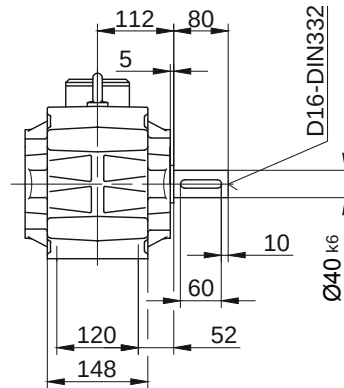
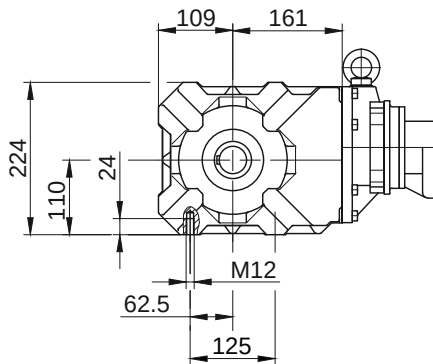
Flange with tapped holes at front

Code -7.V/



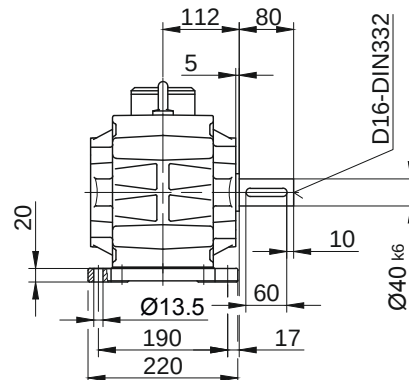
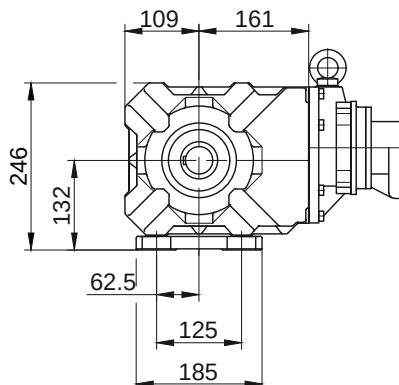
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

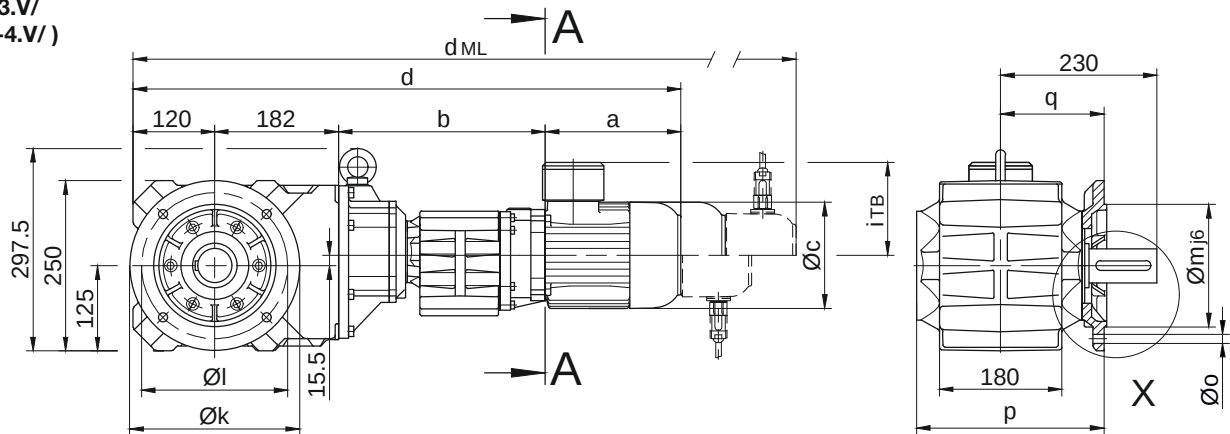
Dimension - Tandem Gearbox Metric

BK40G10

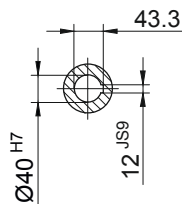
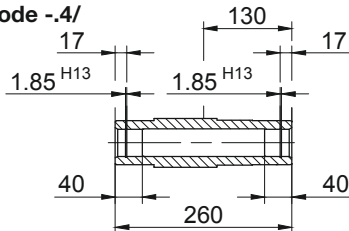
Flange with clearance holes at front

Code -3.V/

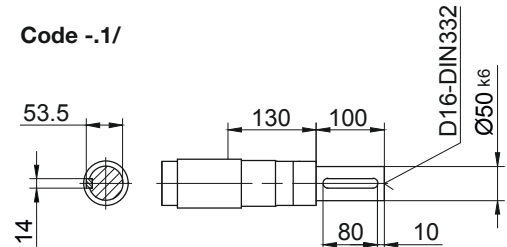
(Code -4.V/)



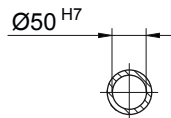
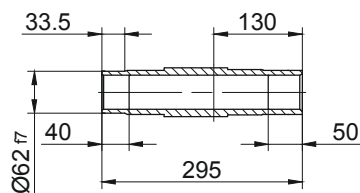
Code -4/



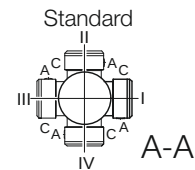
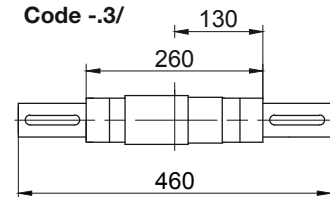
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK40G10-.../D..05.A.	170.5	300	123	772.5	101	117	814.5	875	912.5	-
BK40G10-.../D..06.A.	170.5	300	123	772.5	99	119	814.5	875	912.5	-
BK40G10-.../D..07.A.	190.5	300	123	792.5	99	119	834.5	895	932.5	-
BK40G10-.../D..08.A.	199.5	304	156	805.5	114.5	136.5	871.5	917.5	979	871.5
BK40G10-.../D..08.B.	229.5	304	156	835.5	114.5	136.5	901.5	947.5	1008.5	901.5
BK40G10-.../D..09.A.	250.5	318.5	176	871	124	157	964	978.5	1068	964
BK40G10-.../D..09.B.	308.5	318.5	176	929	124	157	1022	1036	1126	1022

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.

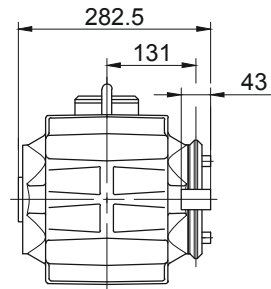
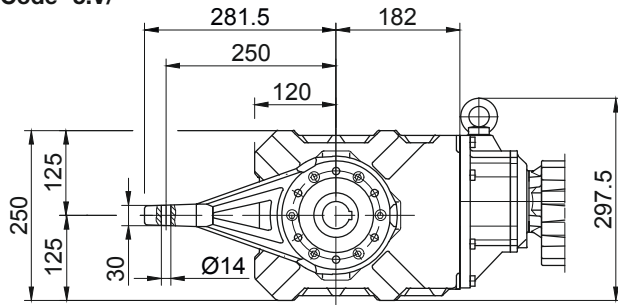
BK-series bevel-gear motors

Dimension - Tandem Gearbox Metric

BK40G10

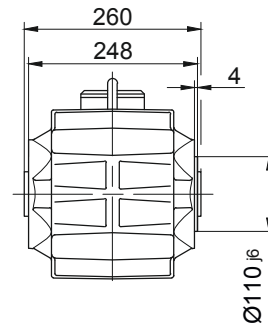
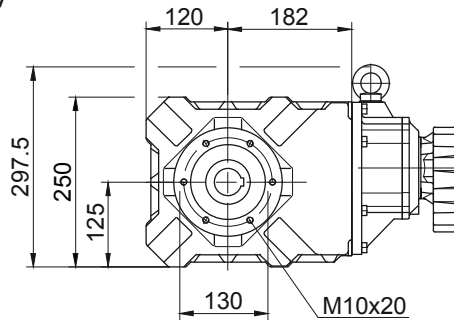
Torque arm at front

Code -5.V/



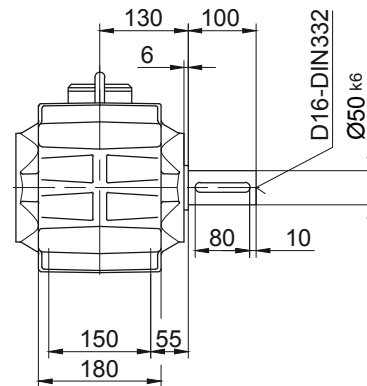
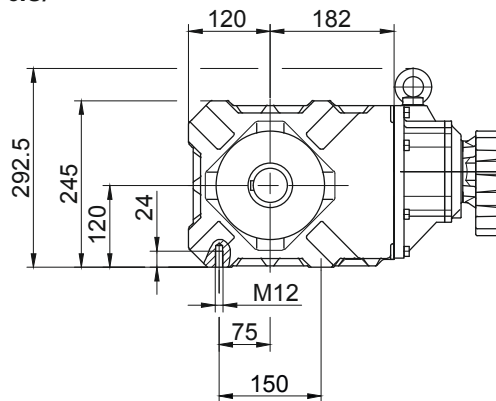
Flange with tapped holes at front

Code -7.V/



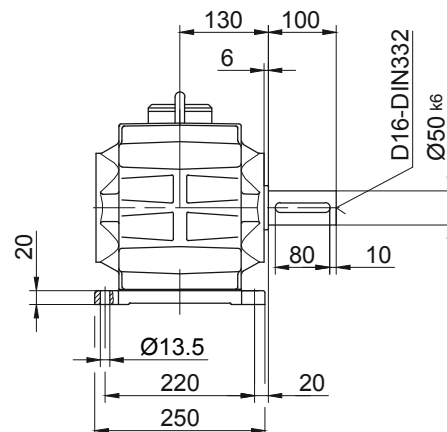
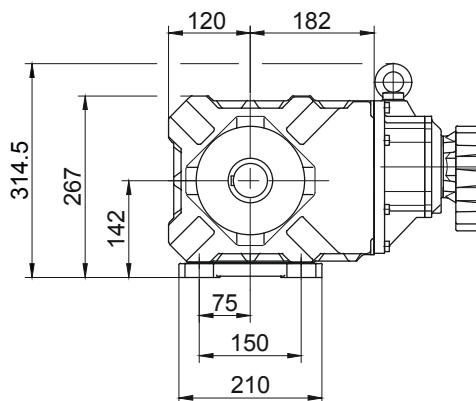
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

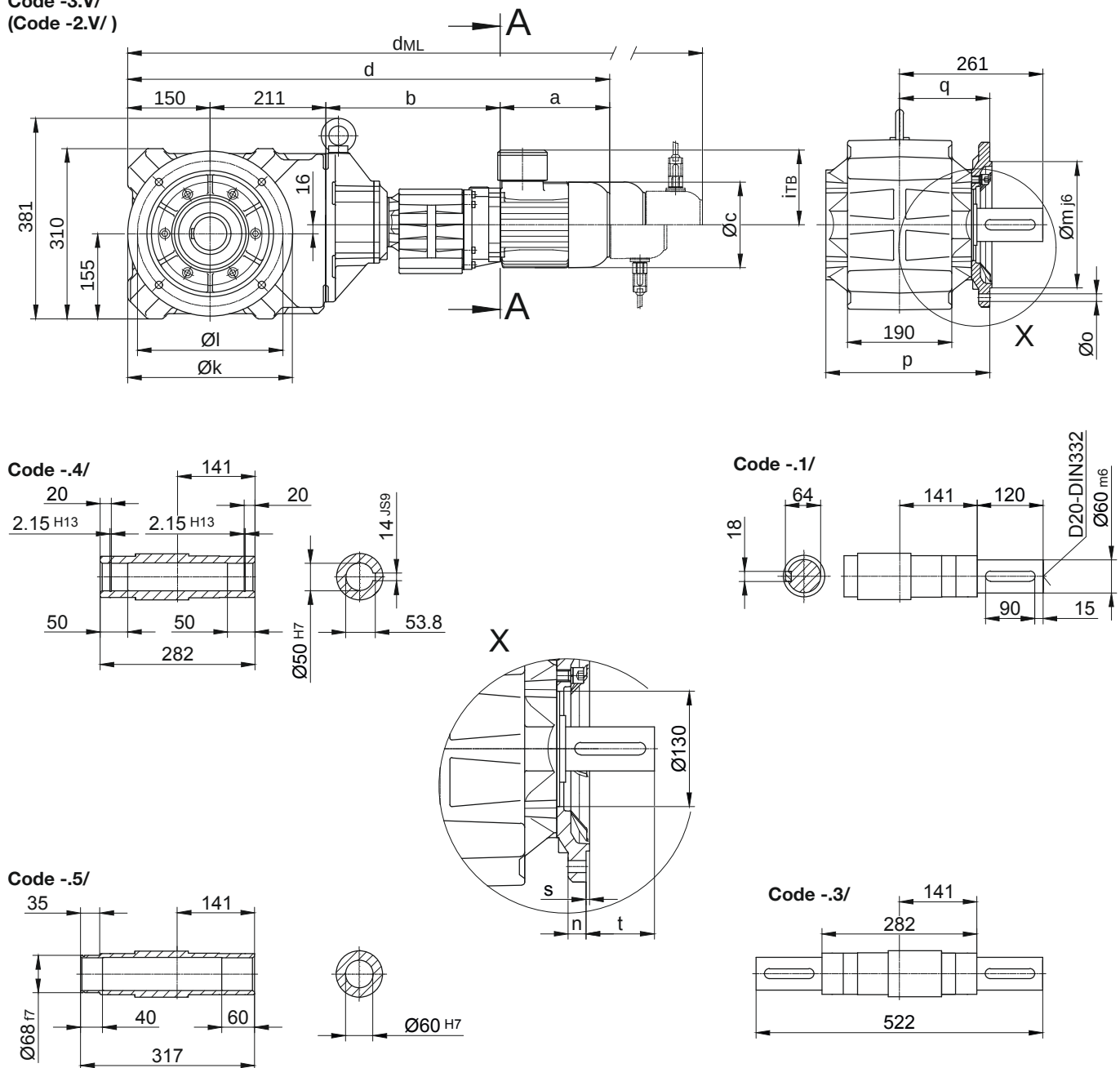
Dimension - Tandem Gearbox Metric

BK50G10

Flange with clearance holes at front

Code -3.V/

(Code -2.V/)



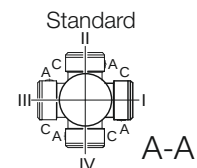
Flange Dimensions										
Type	Design	k	l	m	n	o	p	q	s	t
BK50..	Code -3.V/	300	265	230	20	13.5	299	164	4	97
BK50..	Code -2.V/	250	215	180	16	13.5	296	161	4	100

Dimensions in millimeters (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i_{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d_{ML}	d_{ML}	d_{ML}	d_{ML}
BK50G10-.../D...05.A.	170.5	313	123	844.5	101	117	886.5	947	984.5	-
BK50G10-.../D...06.A.	170.5	313	123	844.5	99	119	886.5	947	984.5	-
BK50G10-.../D...07.A.	190.5	313	123	864.5	99	119	906.5	967	1004.5	-
BK50G10-.../D...08.A.	199.5	317	156	877.5	114.5	136.5	943.5	989.5	1051	943.5
BK50G10-.../D...08.B.	229.5	317	156	907.5	114.5	136.5	973.5	1019.5	1080.5	973.5
BK50G10-.../D...09.A.	250.5	331.5	176	943	124	157	1036	1050.5	1140	1036
BK50G10-.../D...09.B.	308.5	331.5	176	1001	124	157	1094	1108	1198	1094

Dimensions in millimeters (mm)

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



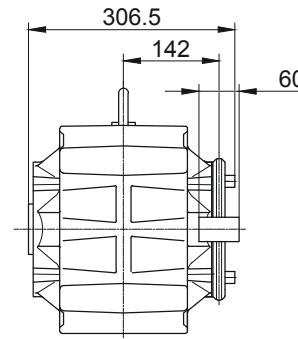
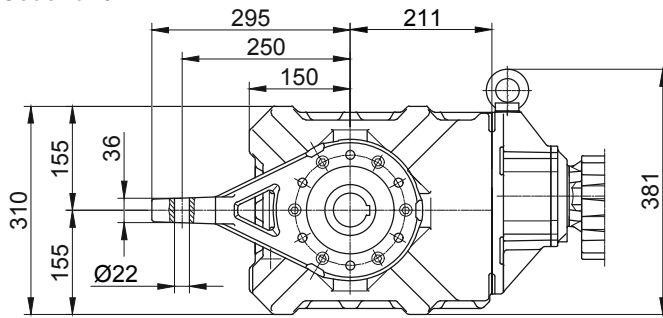
BK-series bevel-geared motors

Dimension - Tandem Gearbox Metric

BK50G10

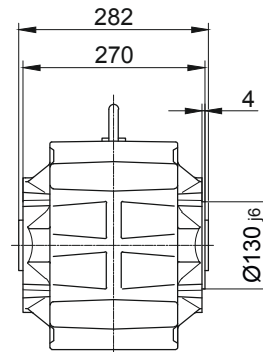
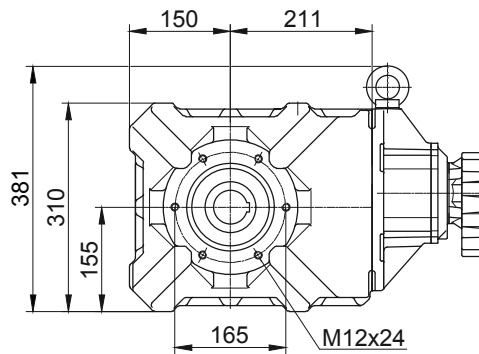
Torque arm at front

Code -5.V/



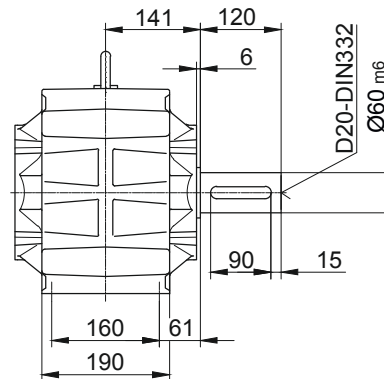
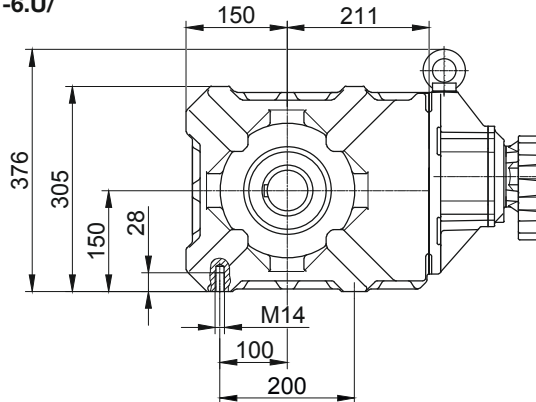
Flange with tapped holes at front

Code -7.V/



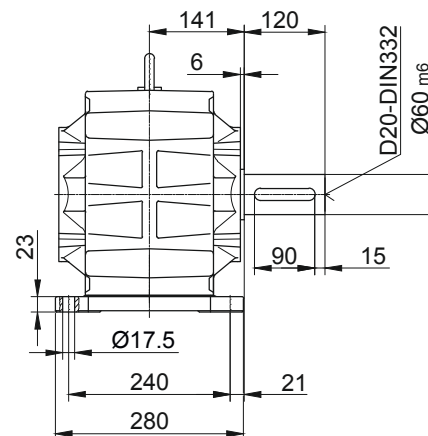
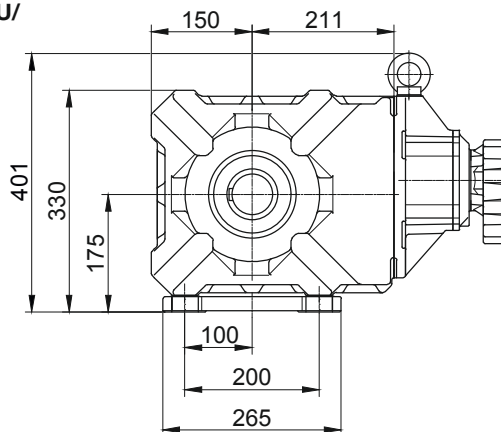
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

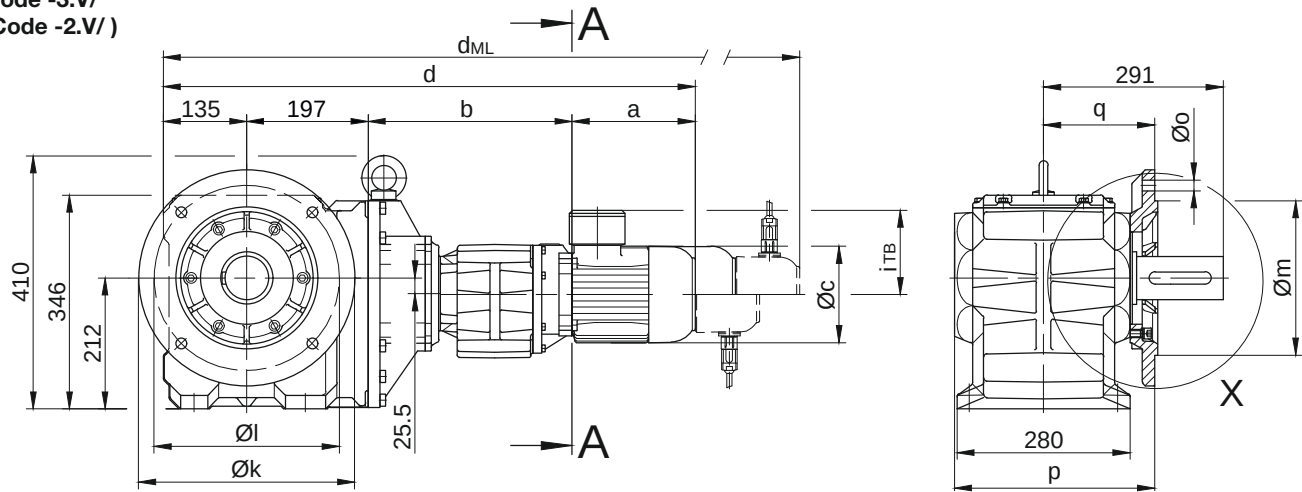
Dimension - Tandem Gearbox Metric

BK60G20

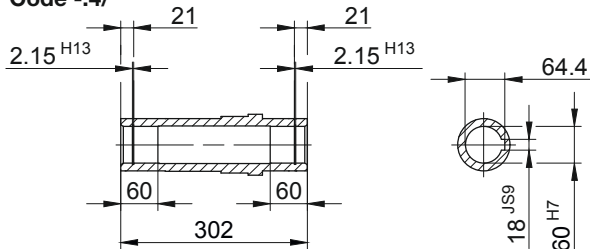
Flange with clearance holes at front

Code -3.V/

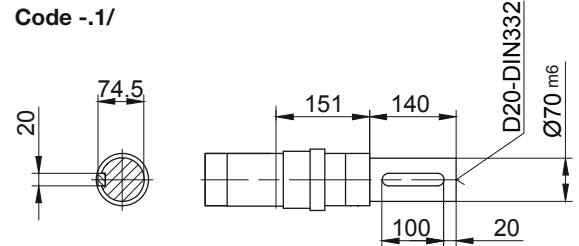
(Code -2.V/)



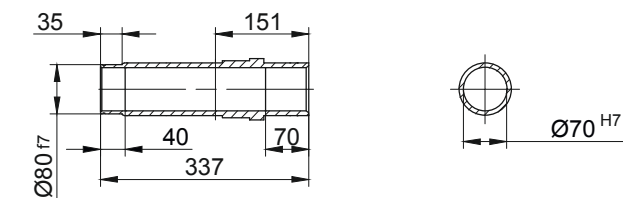
Code -.4/



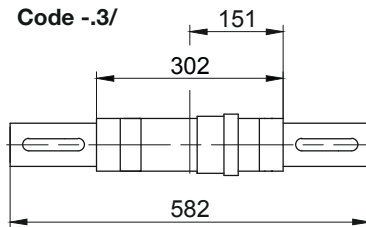
Code -.1/



Code -.5/

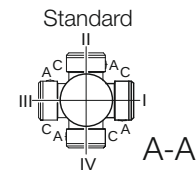


Code -.3/



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

Dimensions in millimeters (mm)



Type	a	b	c	d	i	Design with motor extensions				
						i_TB	Brake	Encoder	Brake with Encoder	Back Stop
							d_ML	d_ML	d_ML	d_ML
BK60G20-.../D...05.A.	170.5	326	123	828.5	101	117	870.5	931	968.5	-
BK60G20-.../D...06.A.	170.5	326	123	828.5	99	119	870.5	931	968.5	-
BK60G20-.../D...07.A.	190.5	326	123	848.5	99	119	890.5	951	988.5	-
BK60G20-.../D...08.A.	199.5	330	156	861.5	114.5	136.5	927.5	973.5	1035	927.5
BK60G20-.../D...08.B.	229.5	330	156	891.5	114.5	136.5	957.5	1003.5	1064.5	957.5
BK60G20-.../D...09.A.	250.5	344.5	176	927	124	157	1020	1034.5	1124	1020
BK60G20-.../D...09.B.	308.5	344.5	176	985	124	157	1078	1092	1182	1078

Dimensions in millimeters (mm)

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

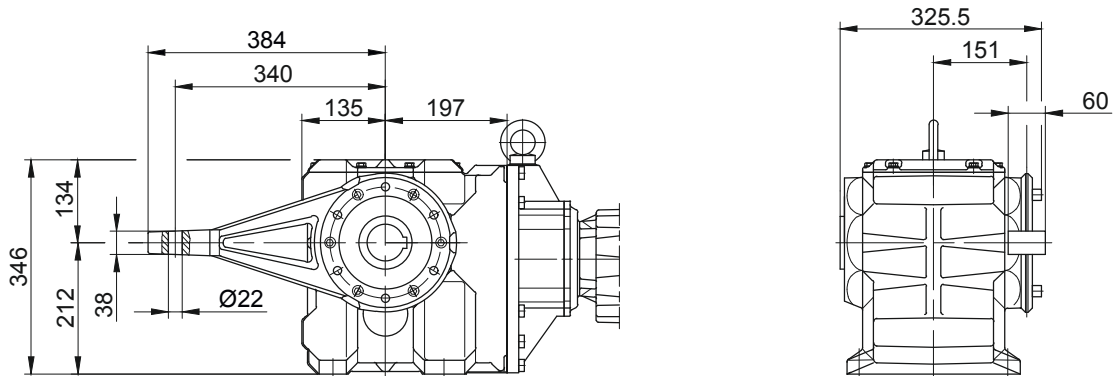
BK-series bevel-geared motors

Dimension - Tandem Gearbox Metric

BK60G20

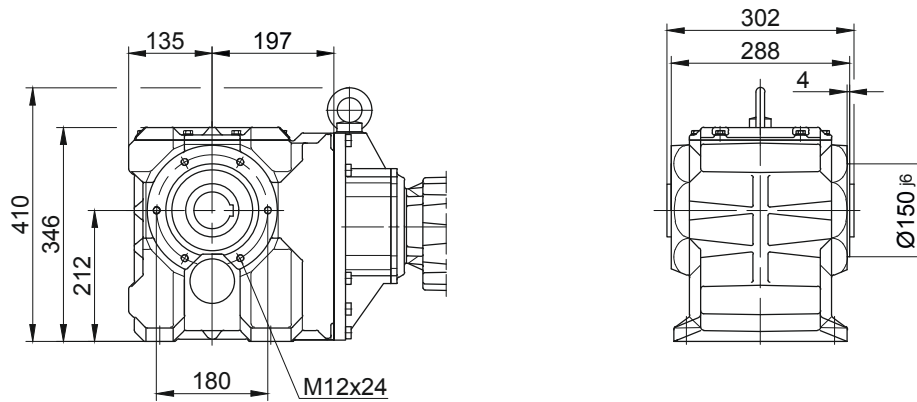
Torque arm at front

Code -5.V/



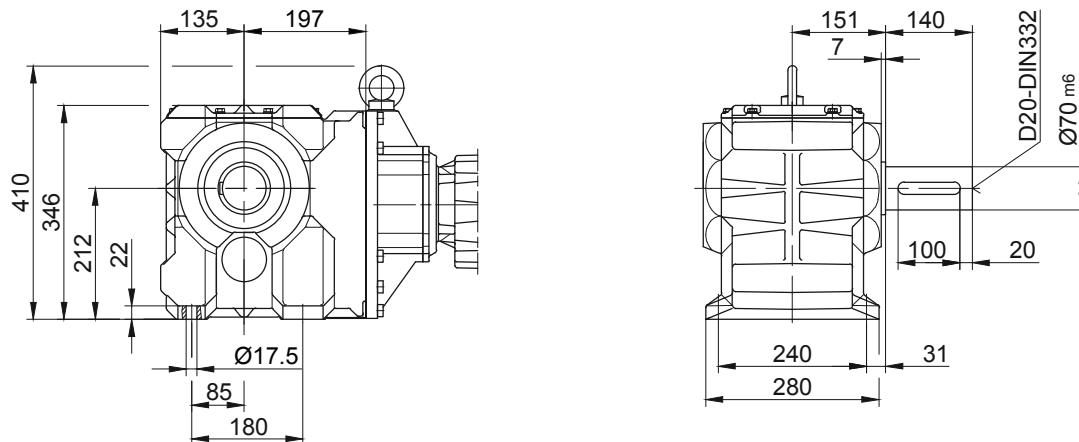
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

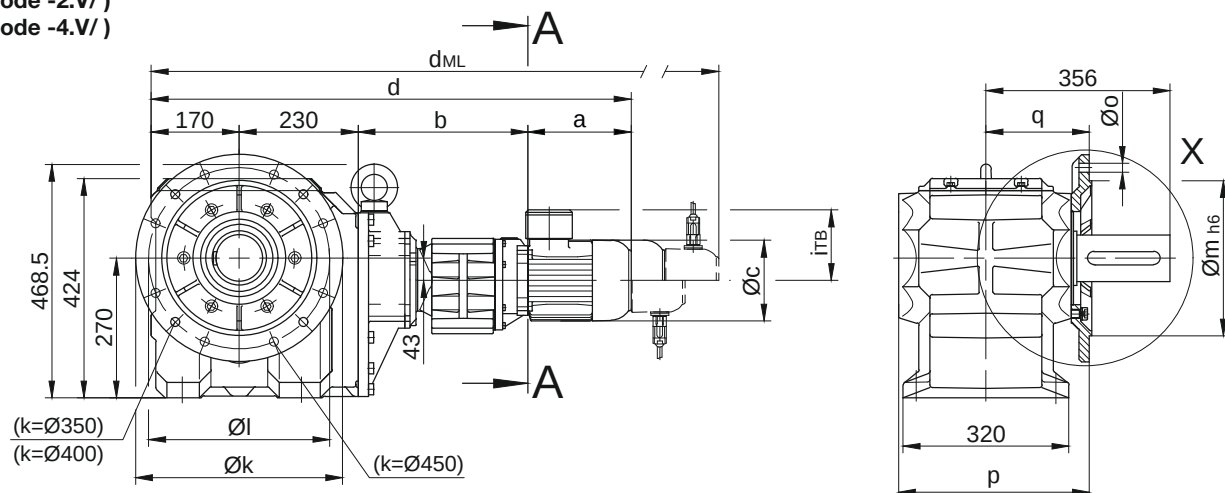
BK70G20

Flange with clearance holes at front

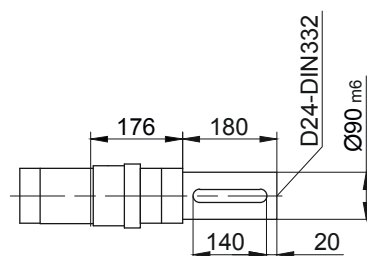
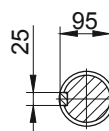
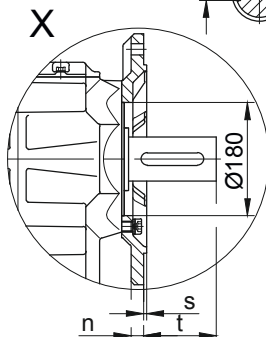
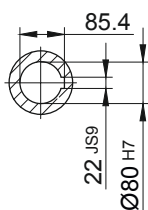
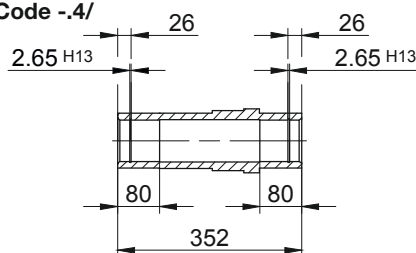
Code -3.V/

(Code -2.V/)

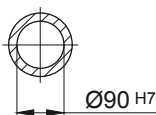
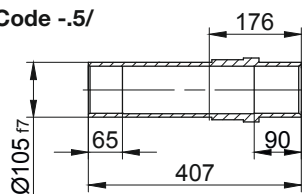
(Code -4.V/)



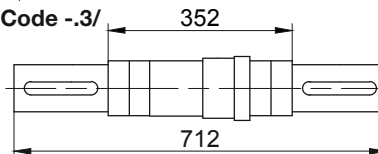
Code -.4/



Code -.5/



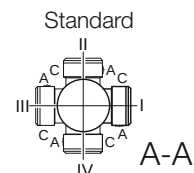
Code -.3/



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

Dimensions in millimeters (mm)

Dimensions in millimeters (mm)



Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK70G20-../D..05.A.	170.5	326	123	896.5	101	117	938.5	999	1036.5	-
BK70G20-../D..06.A.	170.5	326	123	896.5	99	119	938.5	999	1036.5	-
BK70G20-../D..07.A.	190.5	326	123	916.5	99	119	958.5	1019	1056.5	-
BK70G20-../D..08.A.	199.5	330	156	929.5	114.5	136.5	995.5	1041.5	1103	995.5
BK70G20-../D..08.B.	229.5	330	156	959.5	114.5	136.5	1025.5	1071.5	1132.5	1025.5
BK70G20-../D..09.A.	250.5	344.5	176	995	124	157	1088	1102.5	1192	1088
BK70G20-../D..09.B.	308.5	344.5	176	1053	124	157	1146	1160	1250	1146

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.

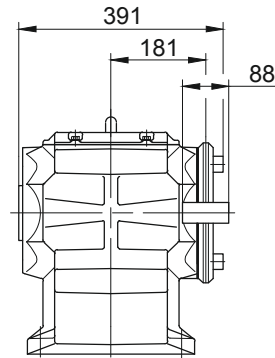
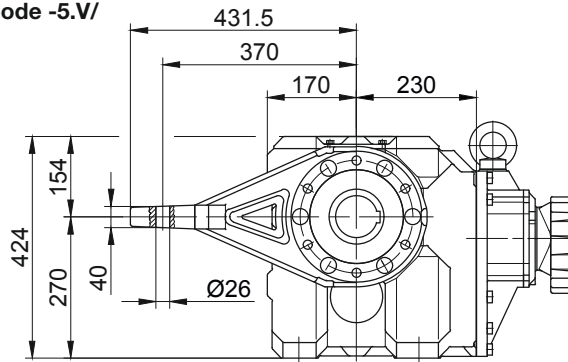
BK-series bevel-gear motors

Dimension - Tandem Gearbox Metric

BK70G20

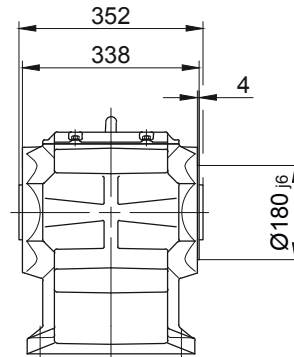
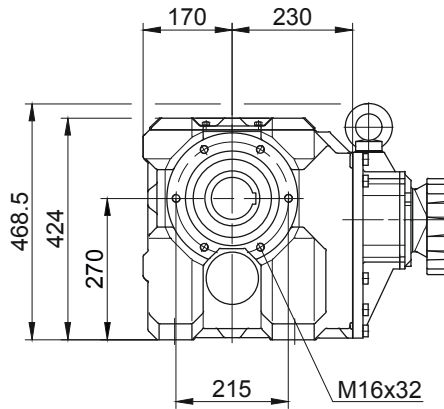
Torque arm at front

Code -5.V/



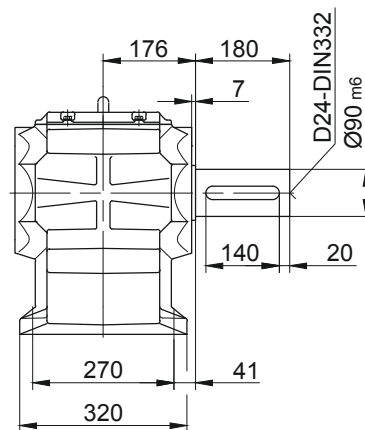
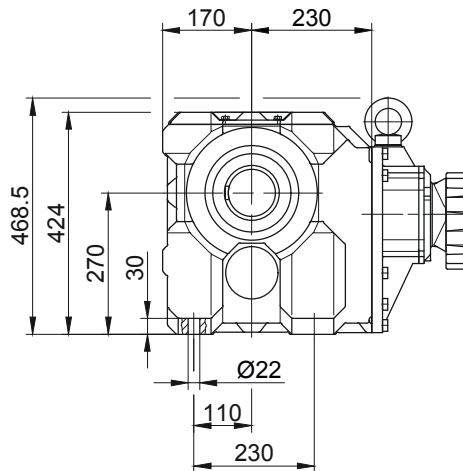
Flange with tapped holes at front

Code -7.V/

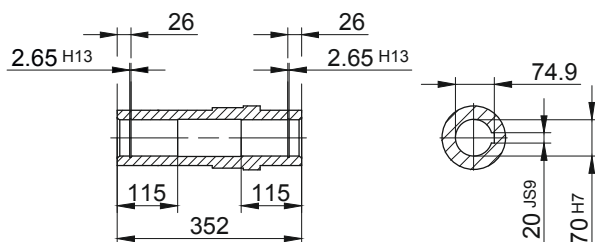


Foot with clearance holes at bottom

Code -1.U/



Code -4/K70



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

BK-series bevel-geared motors

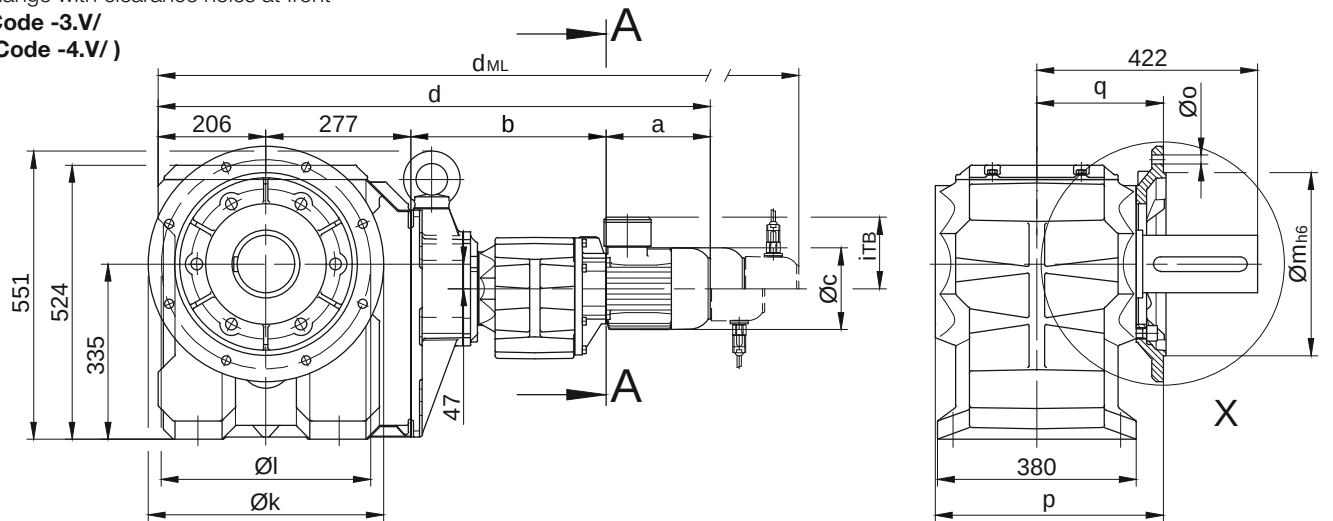
Dimension - Tandem Gearbox Metric

BK80G40

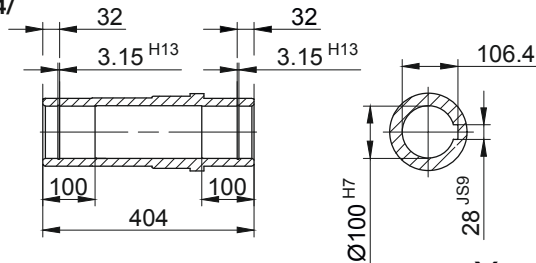
Flange with clearance holes at front

Code -3.V/

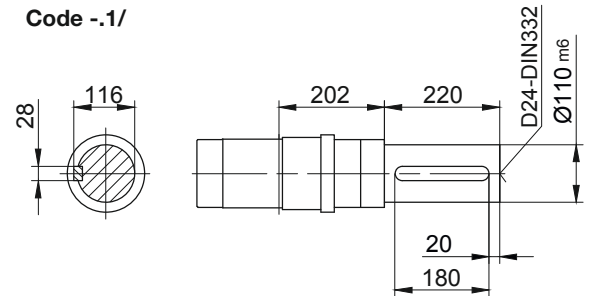
(Code -4.V/)



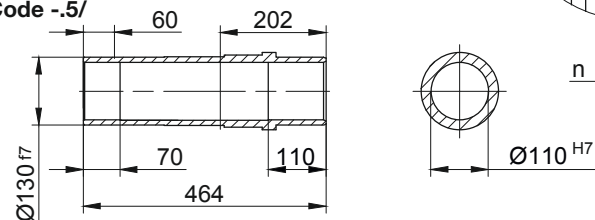
Code -4/



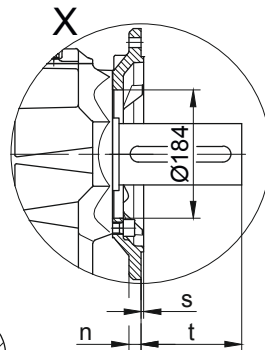
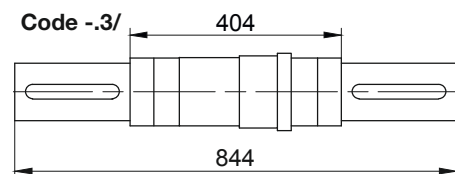
Code -.1/



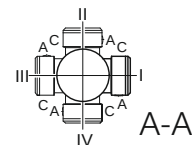
Code -.5/



Code -.3/



Standard



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

Dimensions in millimeters (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK80G40-.../D..08.A.	199.5	357	156	1039.5	114.5	136.5	1105.5	1151.5	1213	1105.5
BK80G40-.../D..08.B.	229.5	357	156	1069.5	114.5	136.5	1135.5	1181.5	1242.5	1135.5
BK80G40-.../D..09.A.	250.5	371.5	176	1105	124	157	1198	1212.5	1302	1198
BK80G40-.../D..09.B.	308.5	371.5	176	1163	124	157	1256	1270	1360	1256
BK80G40-.../D..11.A.	319	378	218	1180	165	176	1278	1287.5	1380	1278
BK80G40-.../D..11.B.	387	378	218	1248	165	176	1344	1355.5	1448	1344

Dimensions in millimeters (mm)

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

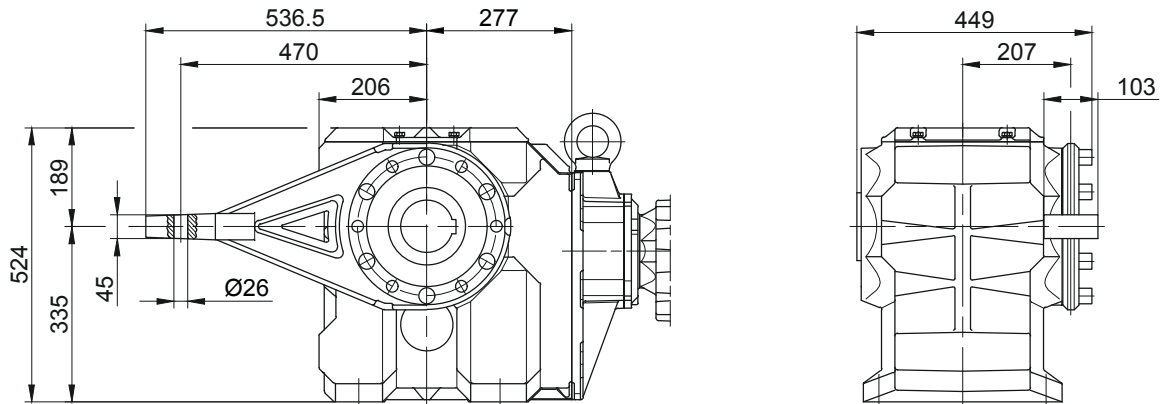
BK-series bevel-gear motors

Dimension - Tandem Gearbox Metric

BK80G40

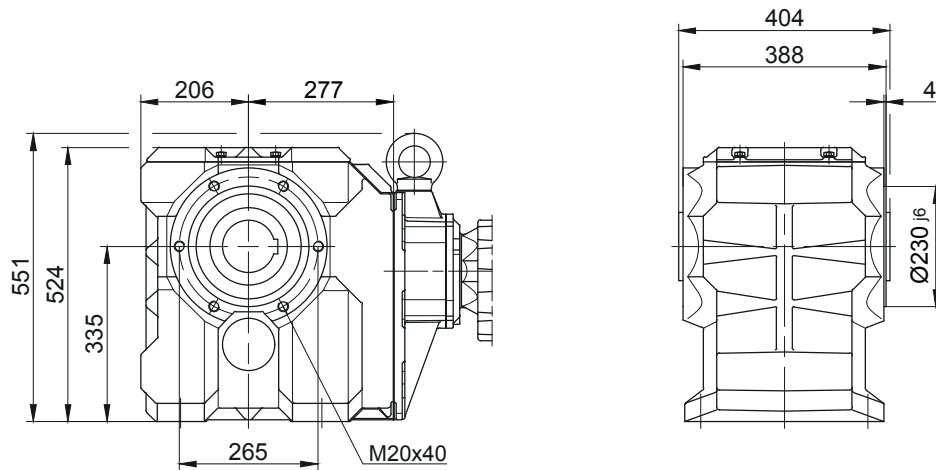
Torque arm at front

Code -5.V/



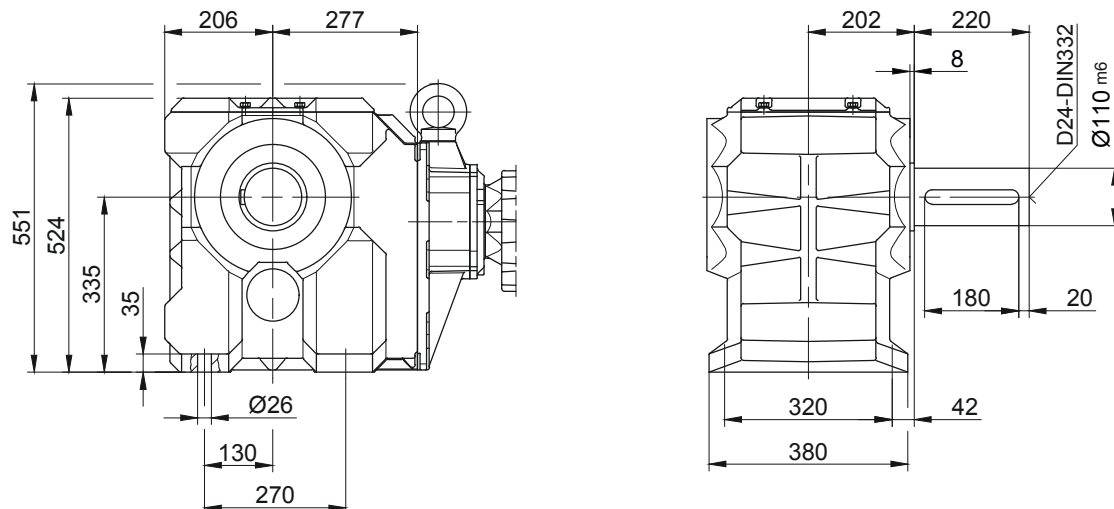
Flange with tapped holes at front

Code -7.V/



Foot with clearance holes at bottom

Code -1.U/



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

BK-series bevel-geared motors

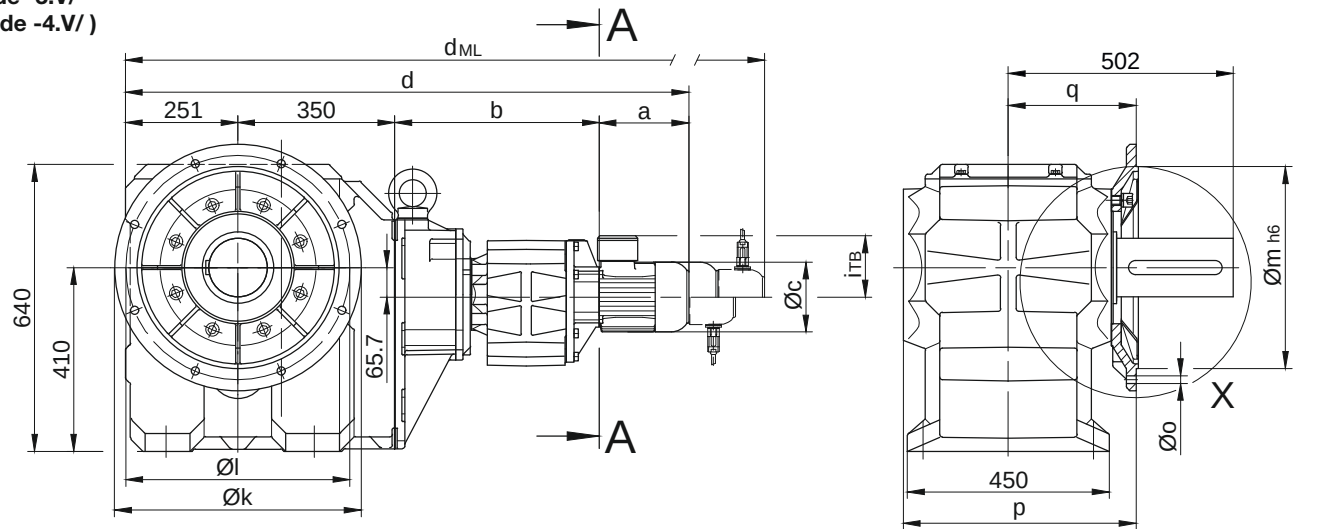
Dimension - Tandem Gearbox Metric

BK90G50

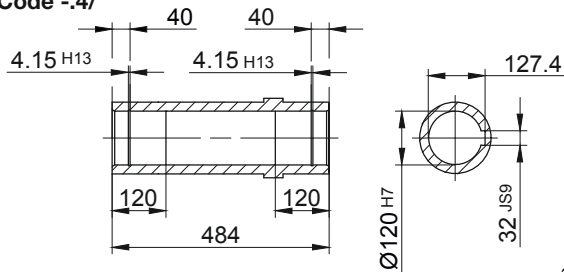
Flange with clearance holes at front

Code -3.V/

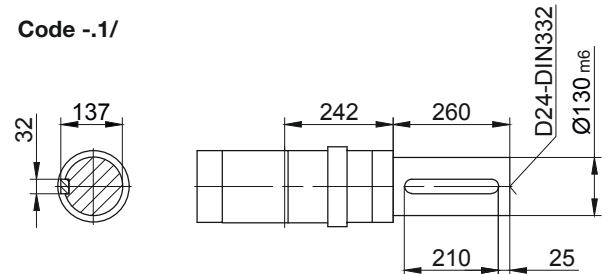
(Code -4.V/)



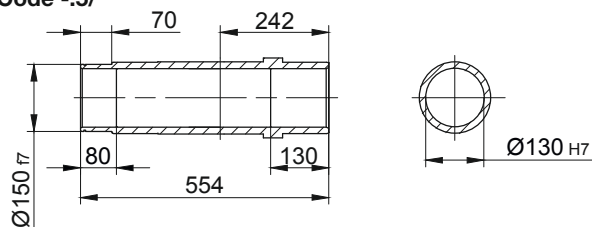
Code -4/



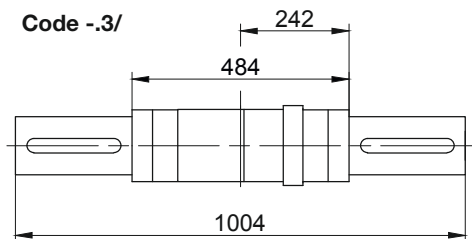
Code -1/



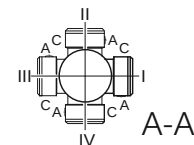
Code -5/



Code -3/



Standard



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

Dimensions in millimetres (mm)

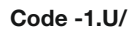
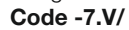
Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BK90G50-.../D...08.A.	199.5	427	156	1227.5	114.5	136.5	1293.5	1339.5	1401	1293.5
BK90G50-.../D...08.B.	229.5	427	156	1257.5	114.5	136.5	1323.5	1369.5	1430.5	1323.5
BK90G50-.../D...09.A.	250.5	441.5	176	1293	124	157	1386	1400.5	1490	1386
BK90G50-.../D...09.B.	308.5	441.5	176	1351	124	157	1444	1458	1548	1444
BK90G50-.../D...11.A.	319	448	218	1368	165	176	1466	1475.5	1568	1466
BK90G50-.../D...11.B.	387	448	218	1436	165	176	1532	1543.5	1636	1532
BK90G50-.../D...13.A.	393	461	258	1455	217	217	1566	1562	1667	1563
BK90G50-.../D...16.B.	454.5	475	310	1530.5	243	243	1674	1637.5	1777.5	1674
BK90G50-.../D...18.B.	542	497	348	1640	288	288	1789.5	1745.5	1893	1789.5

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

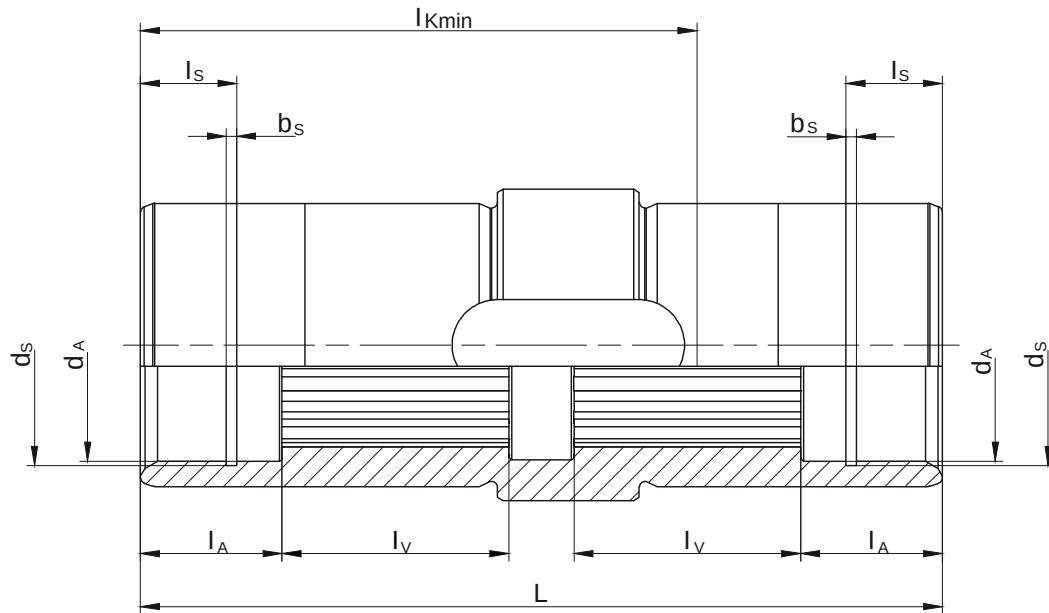
Code -5.V/



Energy Efficient Geared Motors

AC Line Operated / North America

Splined shaft



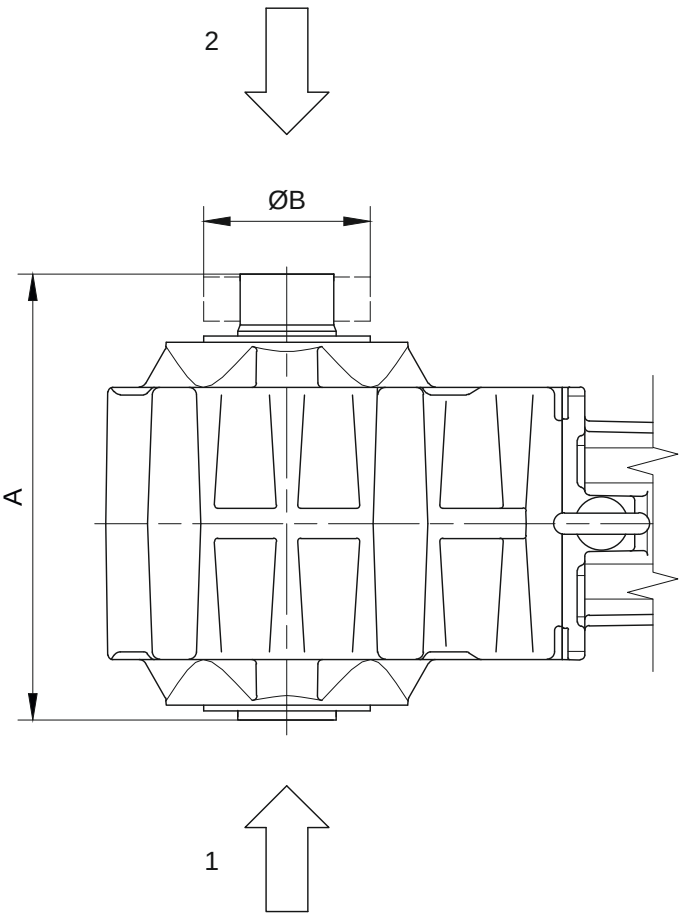
Type	Splined shaft acc. to DIN 5480	d_A	l_A	l_v	l_{Kmin}	L	d_s	l_s	b_s
BK10	N30x1.25x22x9H	35 ^{G7}	28	35	132	170	37 ^{H12}	16	1.6 ^{H13}
BK20	N35x2x16x9H	36 ^{G7}	28	35	154	192	37 ^{H12}	16	1.6 ^{H13}
BK30	N40x2x18x9H	41 ^{G7}	25	42	179	224	42.5 ^{H12}	17	1.85 ^{H13}
BK40	N50x2x24x9H	51 ^{G7}	25	49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

BK-series bevel-geared motors

Additional Dimension Sheet Metric

Shrink disc coupling (SSV)

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



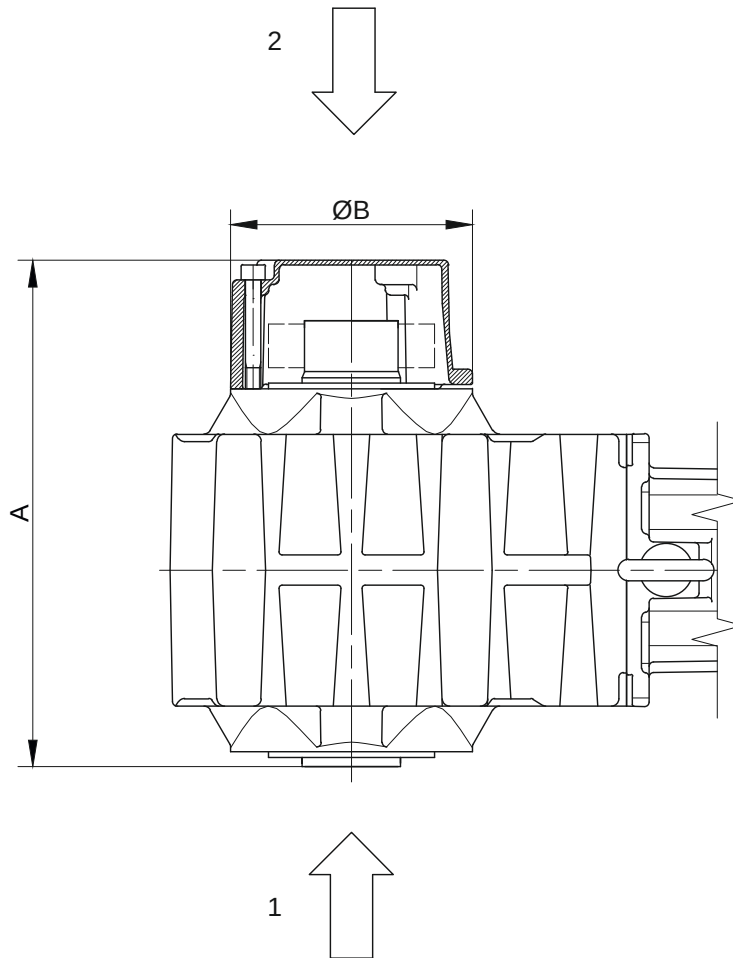
- 1 Gear side FRONT (V)
2 Gear side REAR (H)

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

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

Shrink disc connection with cover (SSV)

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



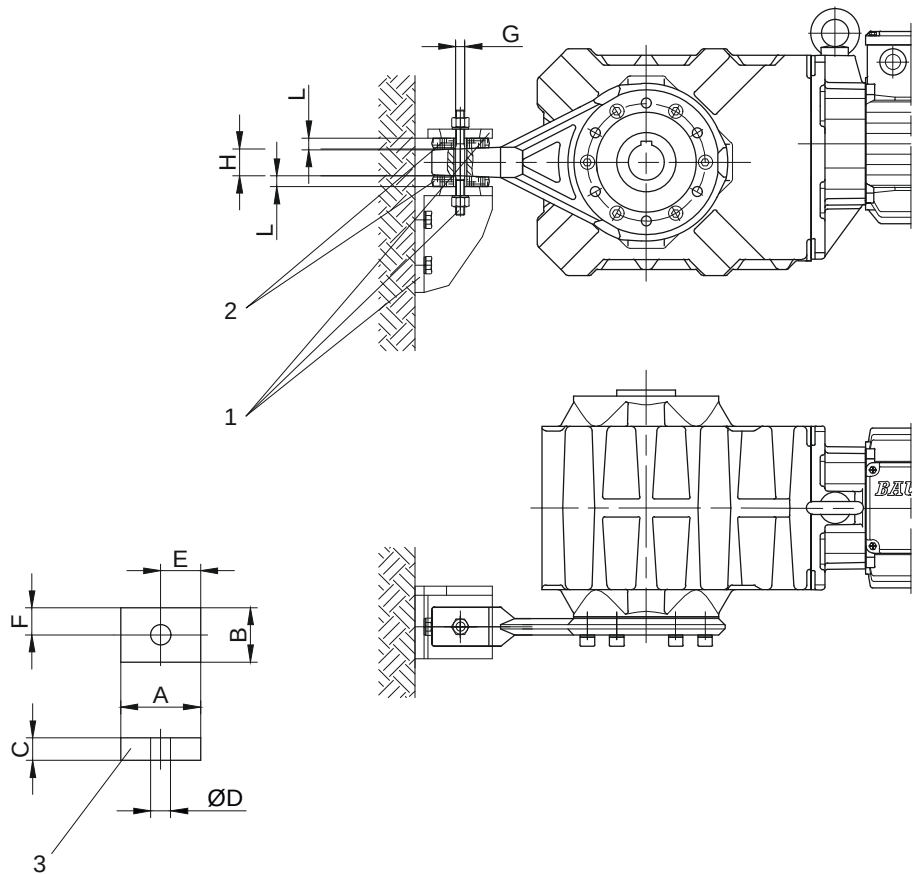
- 1 Gear side FRONT (V)
2 Gear side REAR (H)

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

BK-series bevel-gear motors

Additional Dimension Sheet Metric

Rubber buffer for torque arm



1 not included in delivery

2 Rubber buffers pretensioned

3 Rubber buffer

G maximaler Schraubendurchmesser

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

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

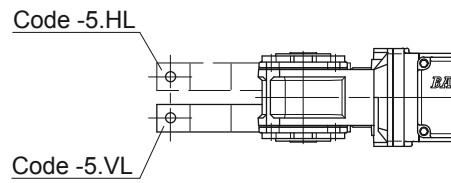
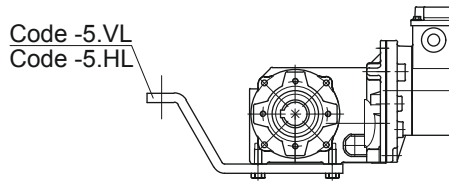
Gear	Position	A	B	C	D	E	F	G	H	L
BK06	Position 0	30	30	12	12	15	15	M10	10	10
BK08	Position 1	48	32	15	14	24	16	M10	19	13.5
BK10	Position 1	48	32	15	14	24	16	M10	19	13.5
BK17	Position 1	48	32	15	14	24	16	M10	19	13
BK20	Position 1	48	32	15	14	24	16	M10	19	13
BK30	Position 2	63	43	20	14	31.5	21.5	M10	30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

Dimensions in millimetres (mm)

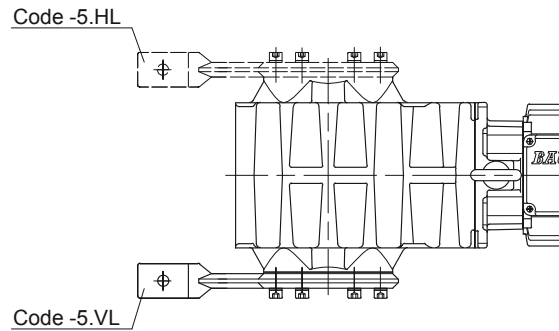
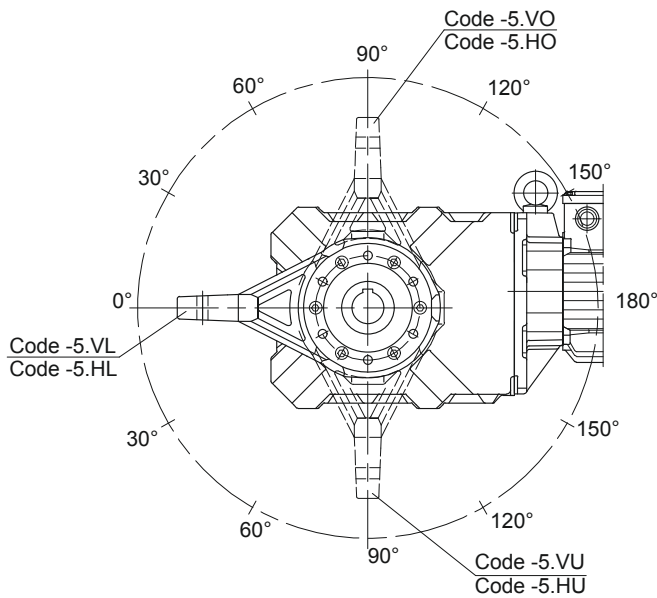
The actual gearbox design can vary from the geometry shown. Generate drive specific 3D and 2D geometries under www.BauerCat.com.

Position of the torque arm

BK06



BK10 - BK70



12

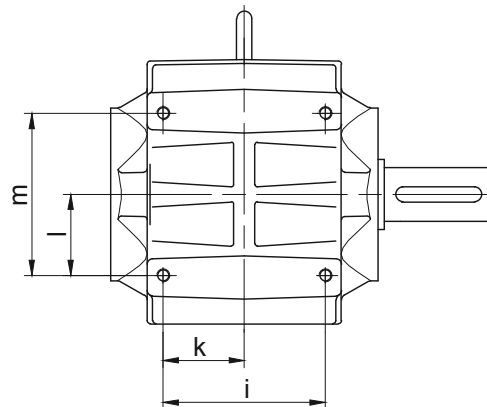
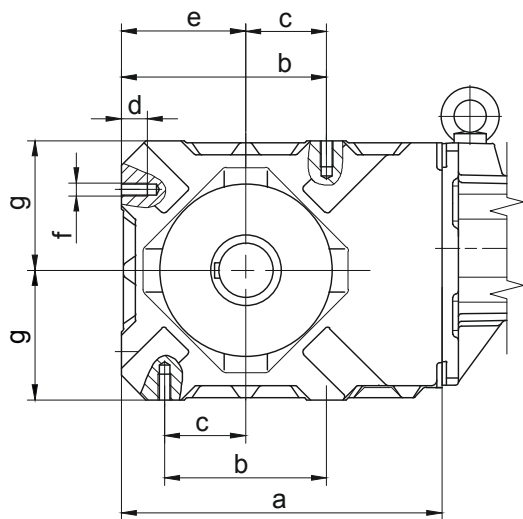
Gear	Position						
	VL/HL	VO/HO/VU/HU					VR/HR
BK06	0°	-	-	-	-	-	-
BK08	0°	30°	60°	90°	120°	-	-
BK10	0°	30°	60°	90°	120°	150°	-
BK17	0°	30°	60°	90°	120°	-	-
BK20	0°	30°	60°	90°	120°	150°	-
BK30	0°	30°	60°	90°	120°	150°	-
BK40	0°	30°	60°	90°	120°	150°	-
BK50	0°	30°	60°	90°	120°	150°	-
BK60	0°	30°	60°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

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

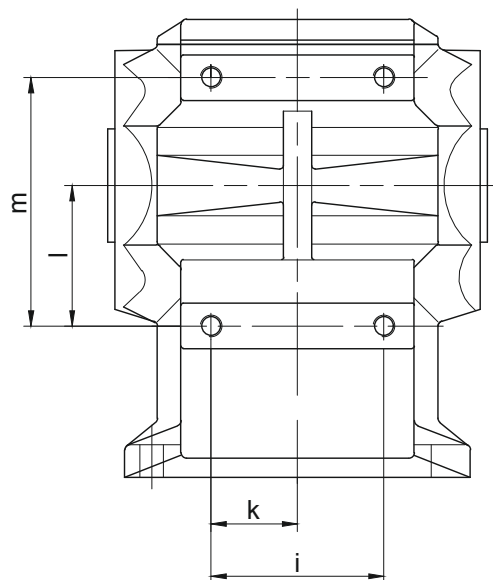
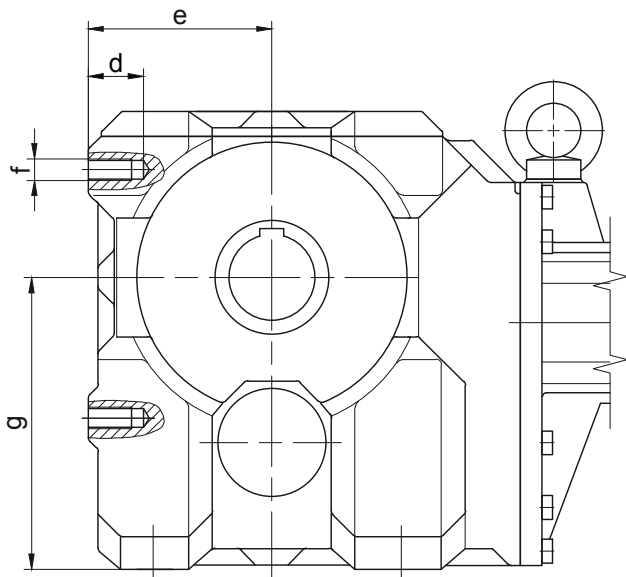
BK-series bevel-gear motors

Additional Dimension Sheet Metric

Foot with tapped holes



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



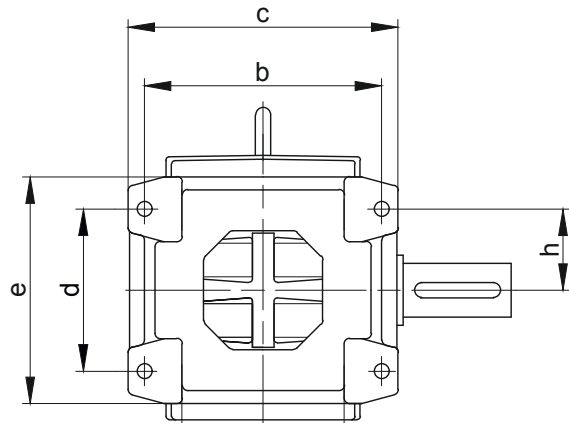
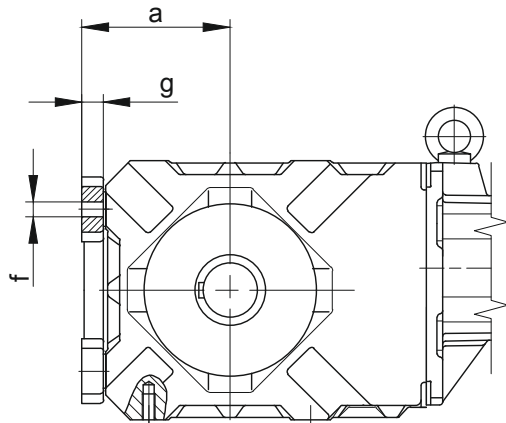
Type	a	b	c	d	e	f	g	i	k	l	m
BK60-BK60Z	-	-	-	40	130	M20	212	160	80	145	230
BK70-BK70Z	-	-	-	40	165	M20	270	160	80	130	230
BK80-BK80Z	-	-	-	60	200	M30	335	210	105	240	360
BK90-BK90Z	-	-	-	60	245	M30	410	210	105	215	360

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

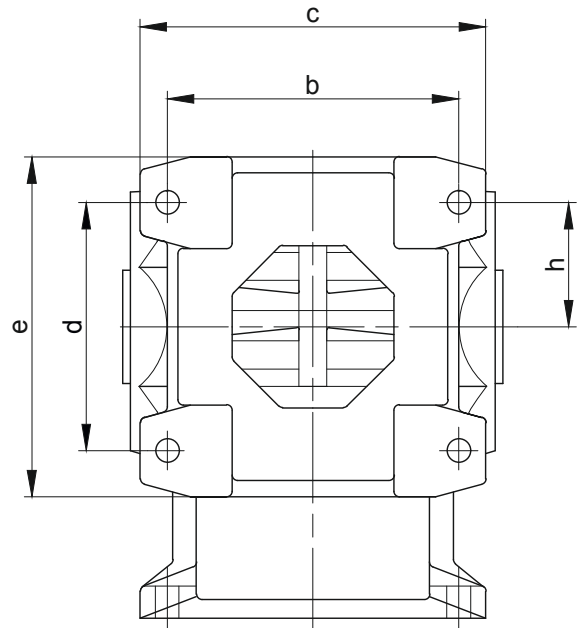
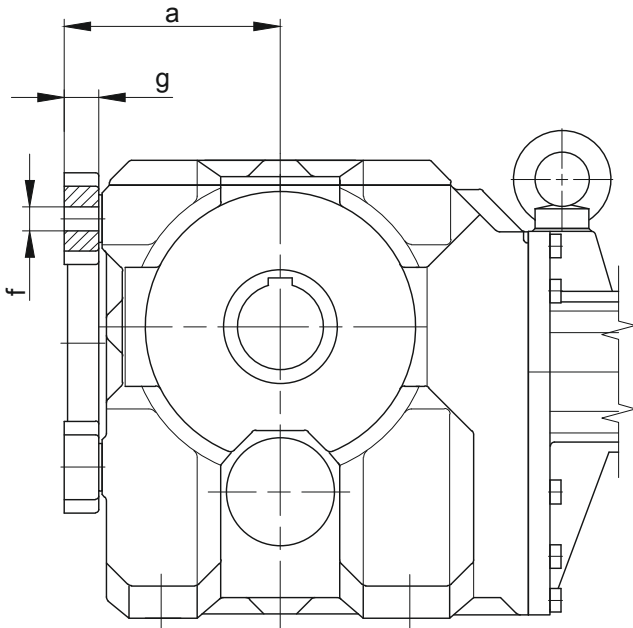
BK-series bevel-geared motors

Additional Dimension Sheet Metric

Foot plate with clearance holes



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



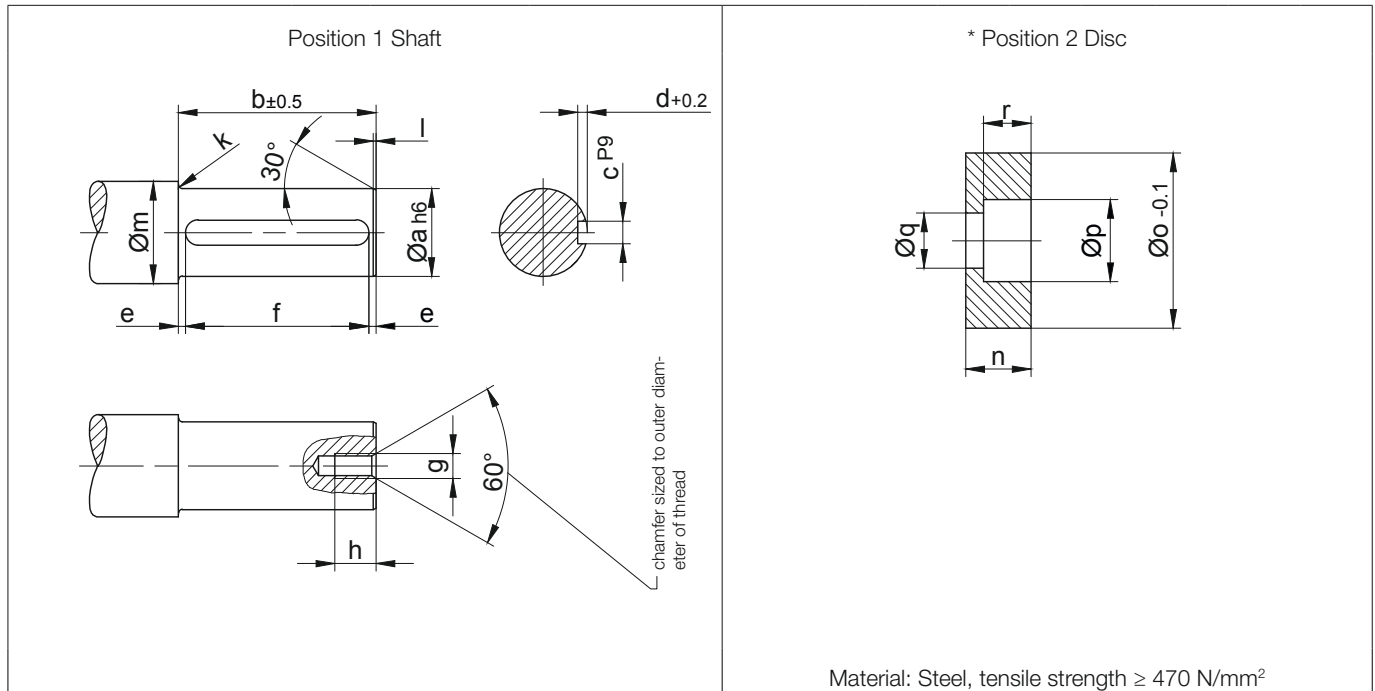
Type	a	b	c	d	e	f	g	h
BK60-BK60Z	165	270	320	230	315	Ø22	32	85
BK70-BK70Z	200	270	320	230	315	Ø22	32	100
BK80-BK80Z	250	400	480	360	480	Ø33	47	120
BK90-BK90Z	295	400	480	360	480	Ø33	47	145

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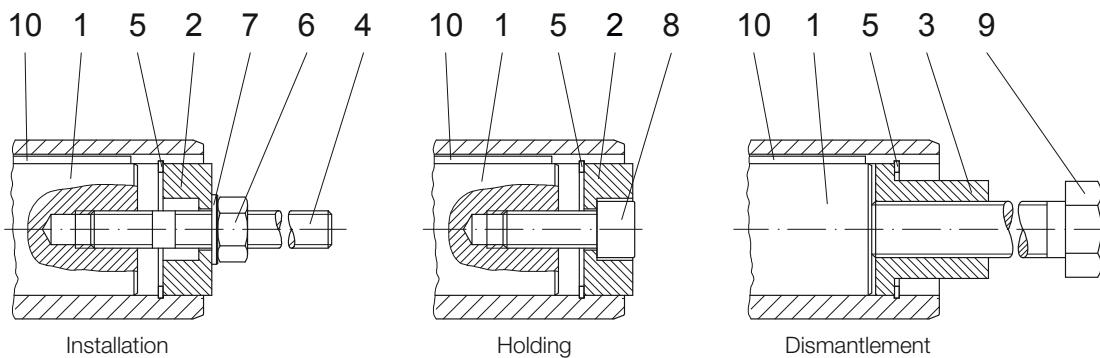
BK-series bevel-geared motors

Additional Dimension Sheet Metric

Assembly tools for hollow shaft and keyway



Type	Dimensions (mm)															
	Position 1 Shaft											Position 2 Disc				
	a	b	c	d	e	f	g	h	k	l	m	n	o	p	q	r
BK06	20	75	6	3.5	6	63 ^{+0.3}	M8	16	2	1	28	13.5	19.8	11	6.6	6.5
BK10	25	148	8	4	11.5	125 ^{+0.5}	M8	18	2.5	1.5	33	13.5	24.8	15	9	8.5
BK20	30	170	8	4	15	140 ^{+0.5}	M10	20	3	1.5	38	15	29.8	18	11	10
BK30	35	201	10	5	10.5	180 ^{+0.5}	M10	20	3	1.5	43	16	34.8	18	11	10
BK40	40	235	12	5	17.5	200 ^{+0.5}	M12	22	3	2	48	18	39.8	20	13.5	12
BK50	50	254	14	5.5	17	220 ^{+0.5}	M16	30	3.5	2	58	21	49.8	26	17.5	15
BK60	60	273	18	7	11.5	250 ^{+0.5}	M20	38	3.5	2	68	24	59.8	33	22	18
BK70	80	316	22	9	18	280 ^{+0.5}	M20	38	4	2	90	27	79.8	33	22	20
BK70-K70	70	316	20	7.5	18	280 ^{+0.5}	M20	38	4	2	90	27	69.8	33	22	20
BK80	100	360	28	10	20	320 ^{+0.5}	M24	45	4	3	110	32	99.8	40	26	25
BK90	120	432	32	11	16	400 ^{+0.5}	M24	45	4.5	3	130	35	119.8	40	26	28



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

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

BK-series bevel-geared motors

Additional Dimension Sheet Metric

Assembly tools for hollow shaft and keyway

Position 3 Sleeve

Technical drawing of Position 3 Sleeve. The drawing shows a cross-section of a sleeve with a central hole. The outer diameter is labeled Øs-0.1. The inner diameter is labeled Øv. The sleeve has a total length of t. The sleeve is divided into two sections, each with a width of w. The sleeve has a fillet radius R. The sleeve is shown with a hatched pattern on the outer surface.

Material: Steel, tensile strength $\geq 470 \text{ N/mm}^2$

* Position 4 Stud bolt

Technical drawing of Position 4 Stud bolt. The drawing shows a side view of a stud bolt. The total length is labeled x. The distance from the head to the end of the thread is labeled y. The distance from the head to the start of the thread is labeled z. The distance from the end of the thread to the end of the bolt is labeled z1.

Material: Steel, tensile strength $\geq 1000 \text{ N/mm}^2$ Thread rolled

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

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

Optional

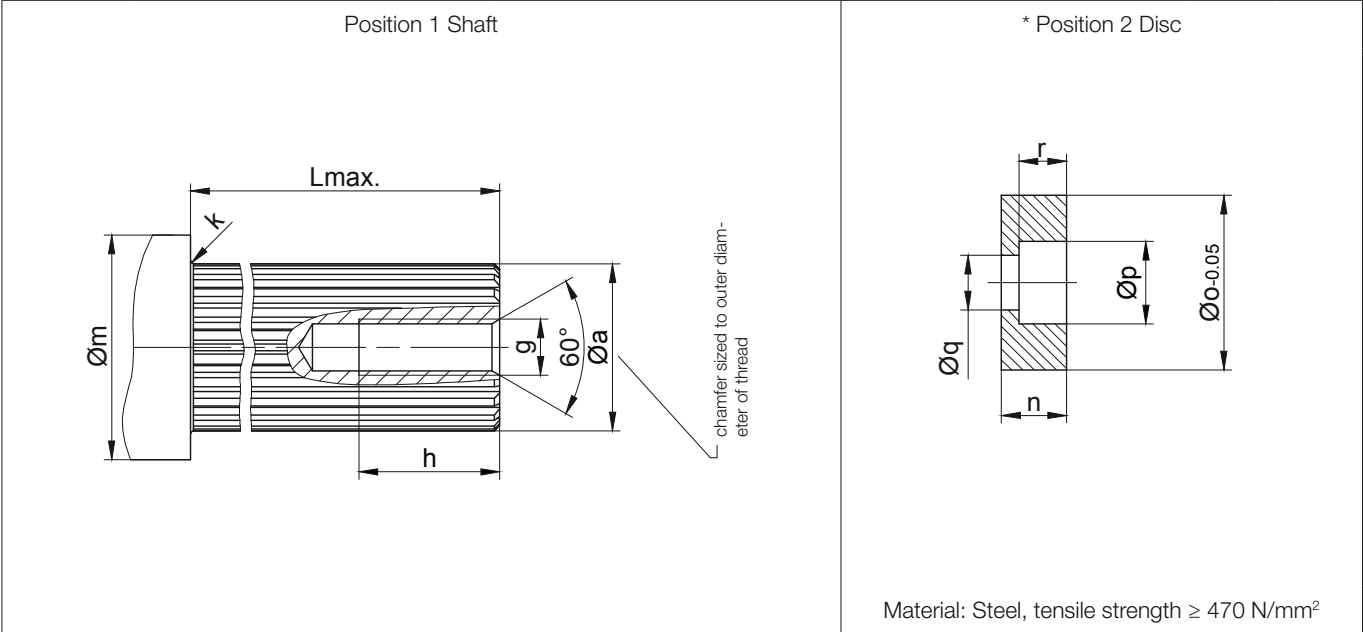
Type	Assembly tool „Holding“
BK06	Id.Nr.4104013
BK10	Id.Nr.4103921
BK20	Id.Nr.4103939
BK30	Id.Nr.4103947
BK40	Id.Nr.4103955
BK50	Id.Nr.4103963
BK60	Id.Nr.4103971
BK70	Id.Nr.4103980
BK70-K70	Id.Nr.4104765
BK80	Id.Nr.4103998
BK90	Id.Nr.4104005

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

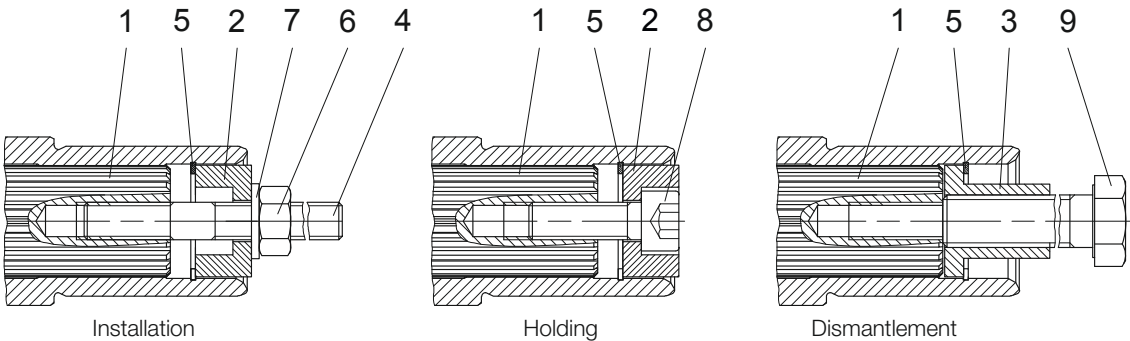
BK-series bevel-gear motors

Additional Dimension Sheet Metric

Assembly tools for splined shaft



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

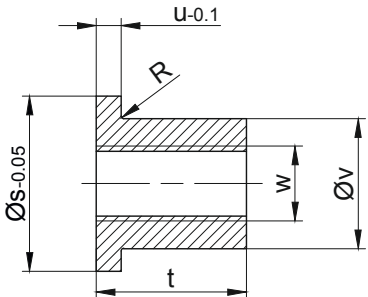
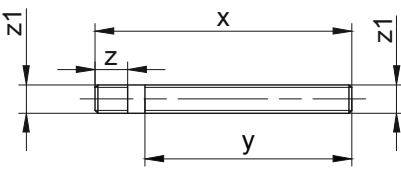


The parts shown are necessary for assembly. ONLY * specified parts are enclosed in the assembly kit.
Suitable measures are to be used to secure Bolt Pos. 8 against loosening!

BK-series bevel-geared motors

Additional Dimension Sheet Metric

Assembly tools for splined shaft

Position 3 Sleeve 											* Position 4 Stud bolt 					
Material: Steel, tensile strength ≥ 470 N/mm ²											Material: Steel, tensile strength ≥ 1000 N/mm ² Thread rolled					
Type	Dimensions (mm)										* Retaining ring DIN 472	Hexagon nut DIN 394-8	Disc DIN 125-St	* Filister head screw DIN 912-8.8	Tightening torques (Nm)	Hexagon bolt DIN EN 24017-8.8
	Position 3 Sleeve						Position 4 Stud bolt									
	s	t	u	v	w	R	x	y	z	z1						
BK10	30.4	28	5	19.8	M14	-	200	170	23	M10	35x1.5	M10	10.5	M10x30	8	M14x190
BK20	35.9	28	5	23	M14	-	230	195	23	M10	35x1.5	M10	10.5	M10x35		M14x210
BK30	40.9	40	6	27.7	M20	-	260	220	28	M12	40x1.75	M12	13	M12x35	16	M20x240
BK40	50.9	48	6	36	M24	0.8	300	260	37	M16	50x2.0	M16	17	M16x40	30	M24x290
BK50	60.9	60	6	44	M30	-	340	290	45	M20	60x2.0	M20	21	M20x50	42	M30x320
BK60	71.9	60	6	53	M30	0.8	370	310	45	M20	72x2.5	M20	21	M20x50		M30x350
BK70	85.9	60	8	65	M30	0.8	420	360	45	M20	85x3	M20	21	M20x50		M30x400
BK80	111.9	72	10	85	M36	0.8	480	410	55	M24	112x4	M24	25	M24x60	100	M36x450
BK90	131.4	72	10	95	M36	0.8	560	480	55	M24	130x4	M24	25	M24x60		M36x520
The parts shown are necessary for assembly. ONLY * specified parts are enclosed in the assembly kit. Suitable measures are to be used to secure Bolt Pos. 8 against loosening!																

Optional

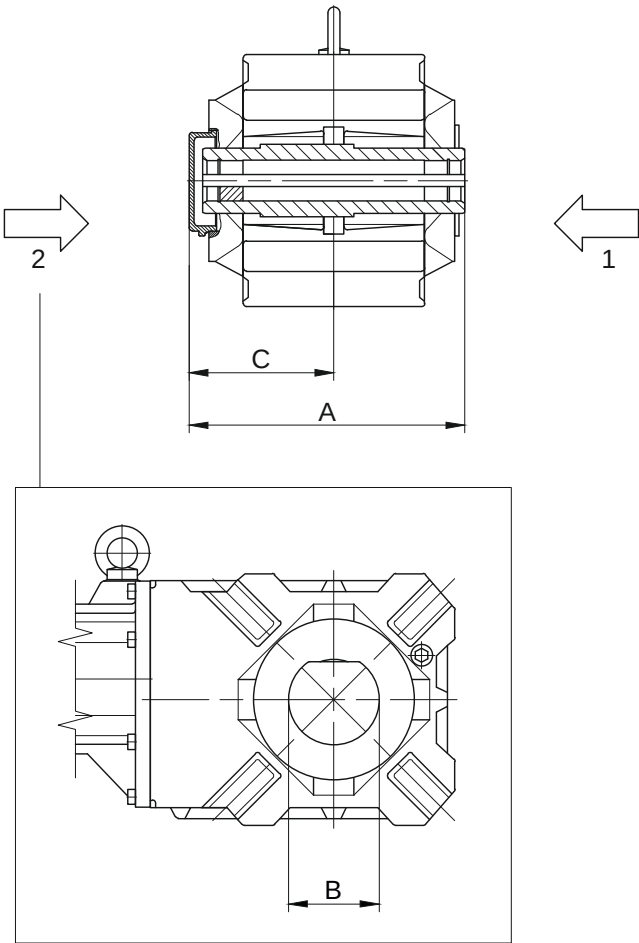
Type	Assembly tool „Holding“
BK10	Id.Nr. 4105133
BK20	Id.Nr. 4105141
BK30	Id.Nr. 4105150
BK40	Id.Nr. 4105168
BK50	Id.Nr. 4105176
BK60	Id.Nr. 4105184
BK70	Id.Nr. 4105192
BK80	Id.Nr. 4105206
BK90	Id.Nr. 4105214

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

BK-series bevel-gear motors

Additional Dimension Sheet Metric

Shaft cap (VK)

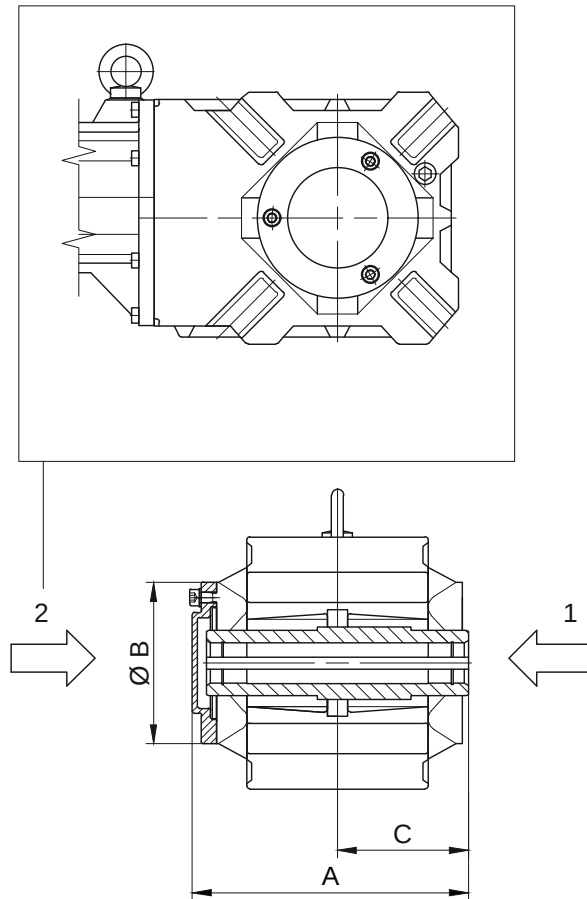


- 1 Gear side FRONT (V)
- 2 Gear side REAR (H)

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

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

Shaft cover (VD)



- 1 Gear side FRONT (V)
2 Gear side REAR (H)

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

Energy Efficient Geared Motors

AC Line Operated / North America
