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BS-series worm-geared motors - Dimensions

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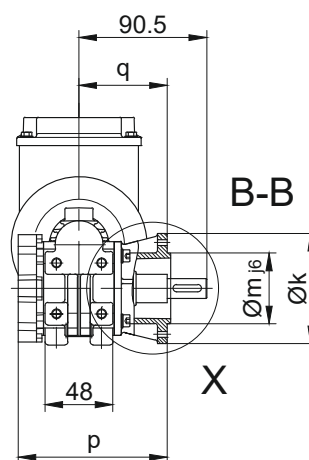
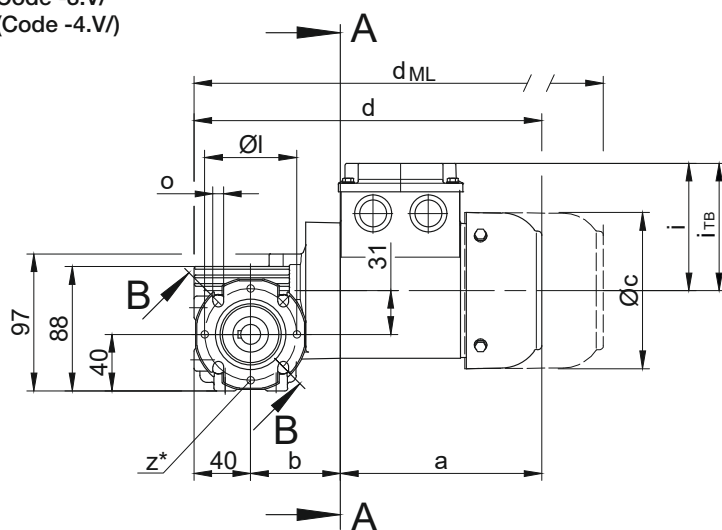
Dimension - Standard

BS02

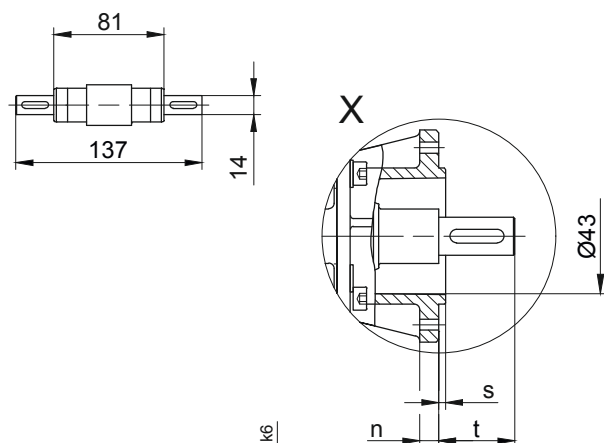
Flange with clearance holes at front

Code -3.V/

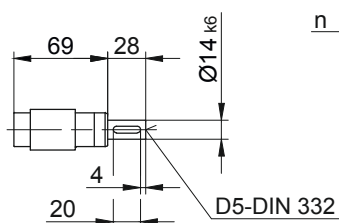
(Code -4.V/)



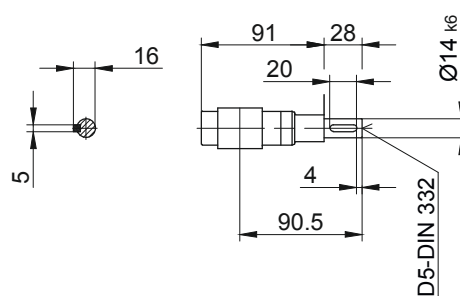
Code -.3/



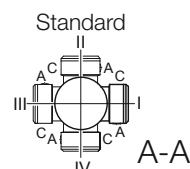
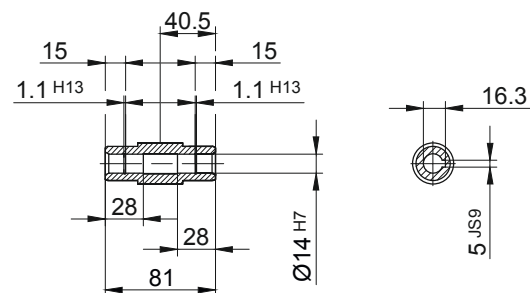
Code -.1/



Code -.7/



Code -.4/



* optional 4xM5 with code -3.

* optional 4xM6 with code -4.

Flange Dimensions										
Type	Design	k	l	m	n	o	p	q	s	t
BS02	Code -3.V/	80	65	50	7.5	5.5	105.5	62.5	2.5	28
BS02	Code -4.V/	110	80	60	8	6.6	105.5	62.5	2.5	28

Dimensions in millimetres (mm)

Dimensions in millimetres (mm)

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

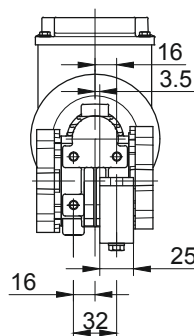
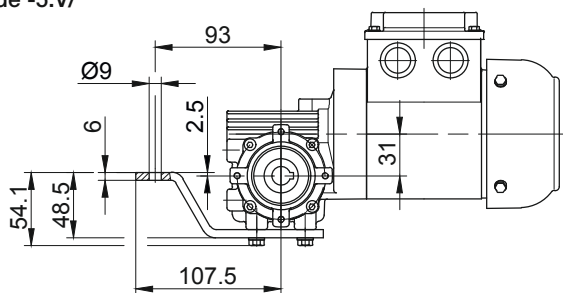
Dimensions in millimetres (mm)

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

BS02

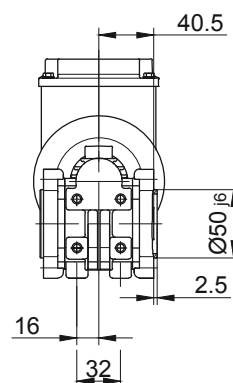
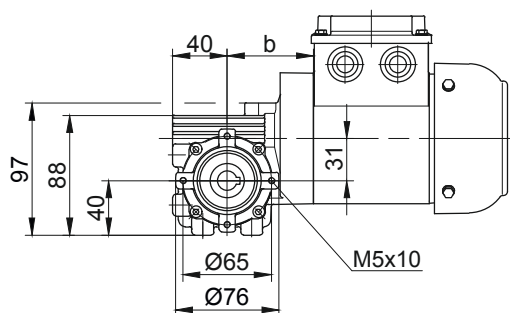
Torque arm at front

Code -5.V/



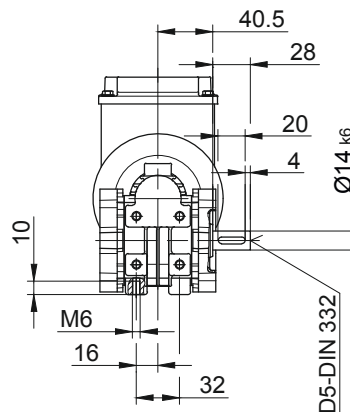
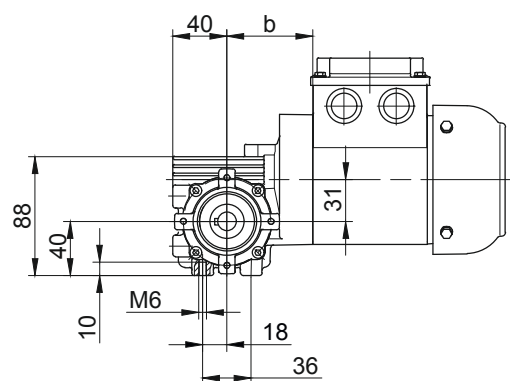
Flange with tapped holes at front

Code -7.V/



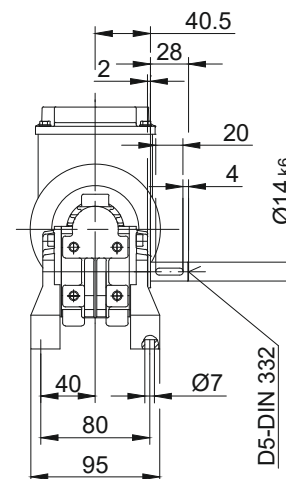
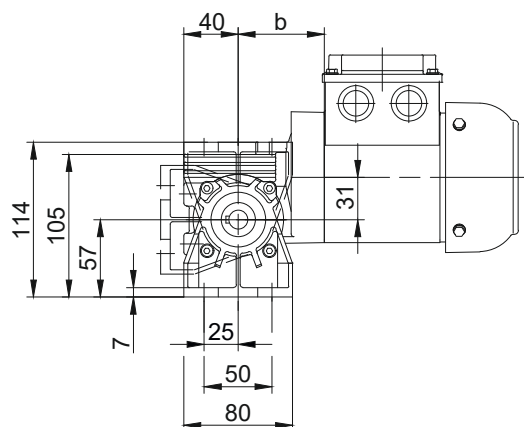
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



Dimension - Standard

Code -3.V/



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

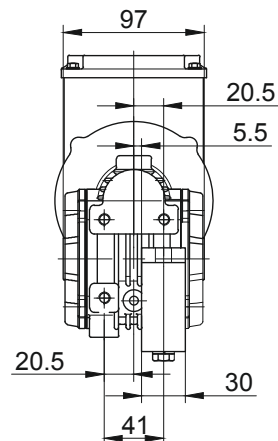
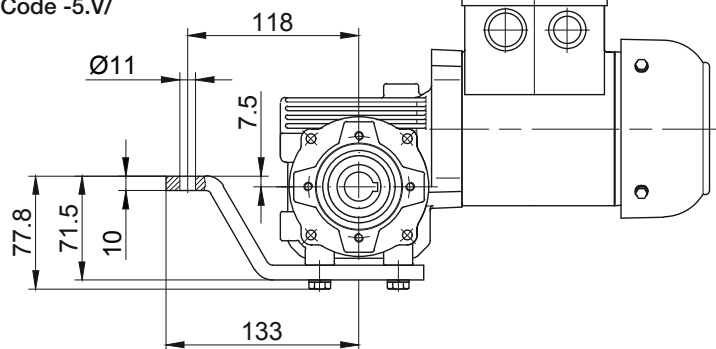
Dimensions in millimetres (mm)

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

BS03

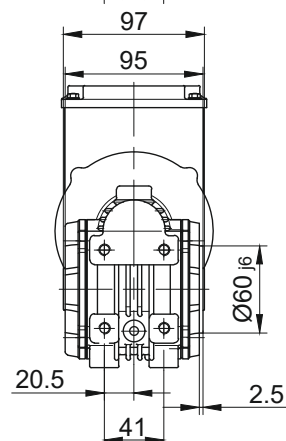
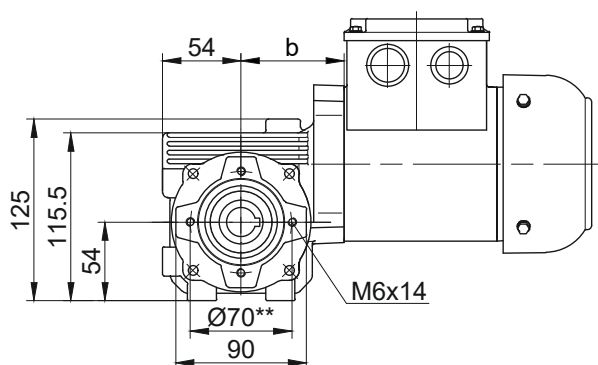
Torque arm at front

Code -5.V/



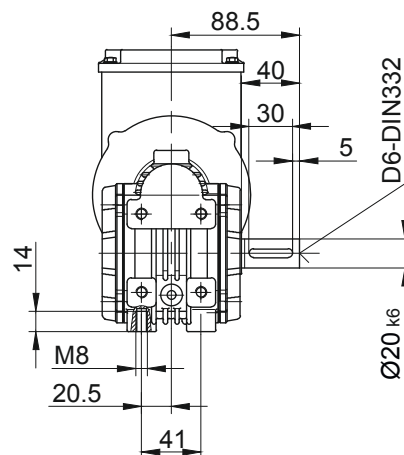
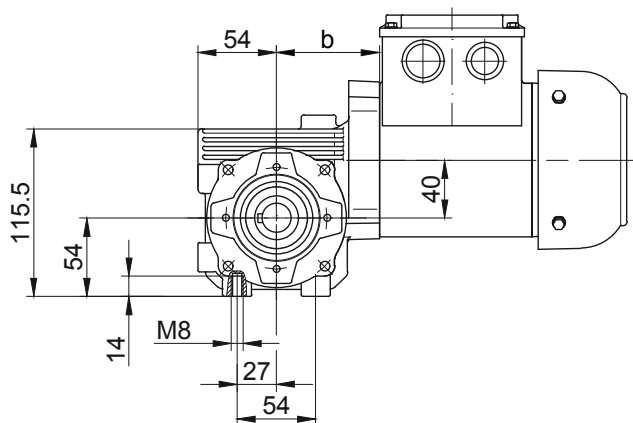
Flange with tapped holes at front

Code -7.V/



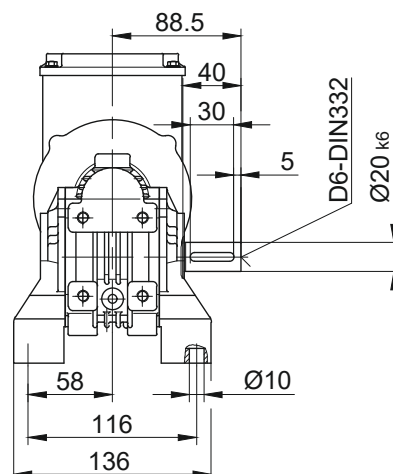
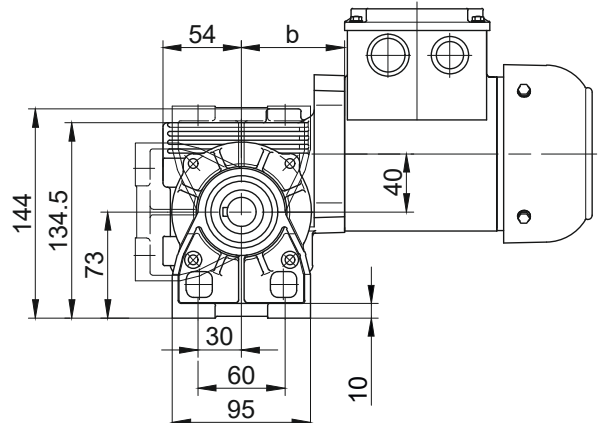
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/

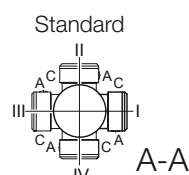


** not for S..08.. with PTO shaft (Code -.1, -.2, -.3., -.7, -.8, -.9)

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Dimension - Standard

Code -3.V/



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

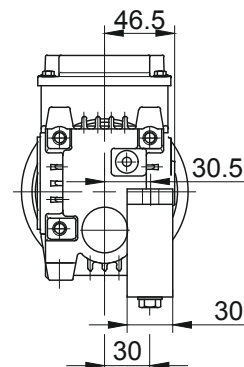
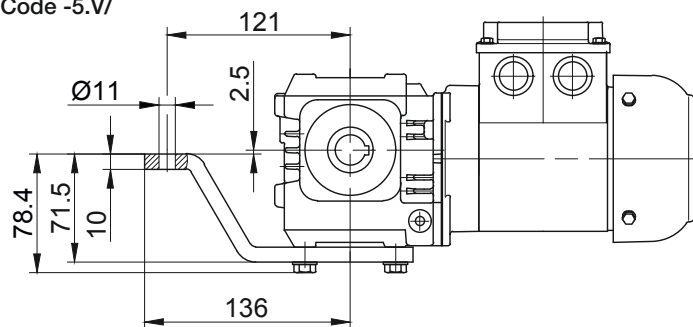
Dimensions in millimetres (mm)

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BS04

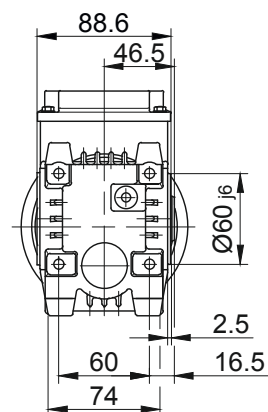
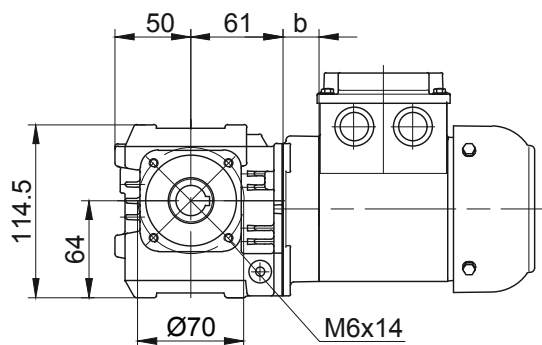
Torque arm at front

Code -5.V/



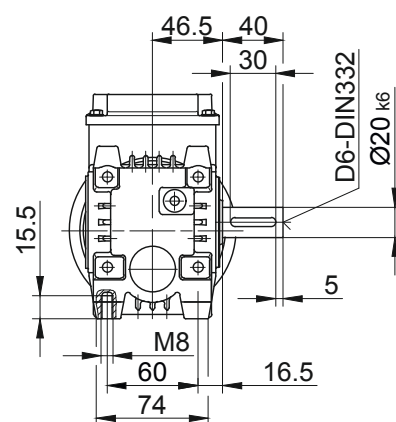
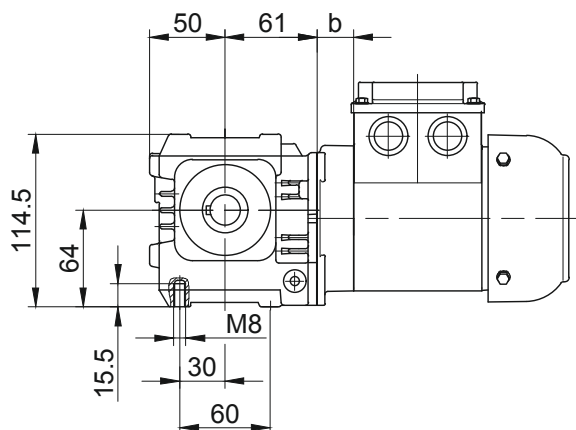
Flange with tapped holes at front

Code -7.V/



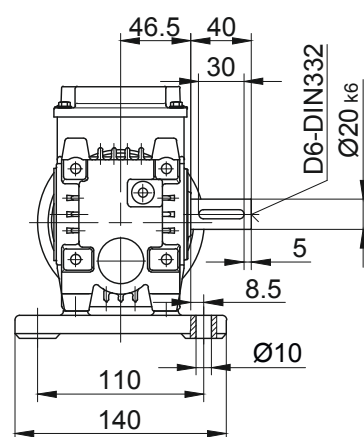
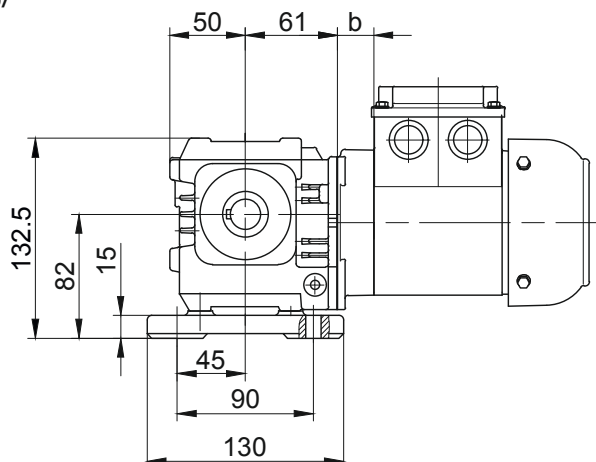
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

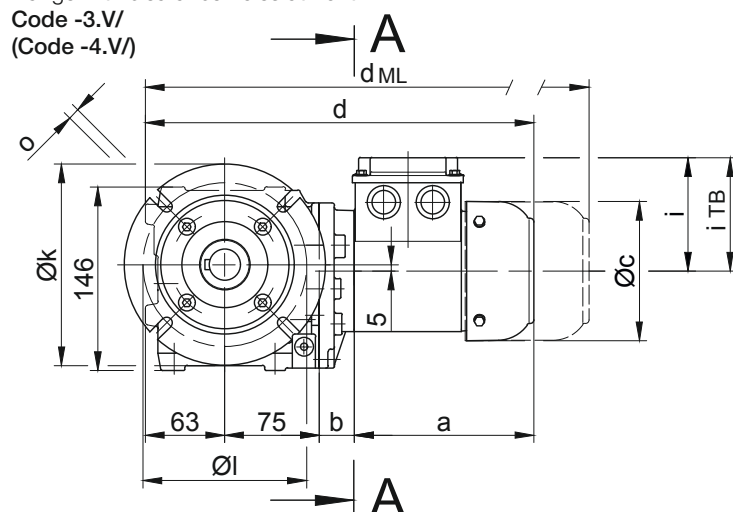
BS-series worm-geared motors

Dimension - Standard

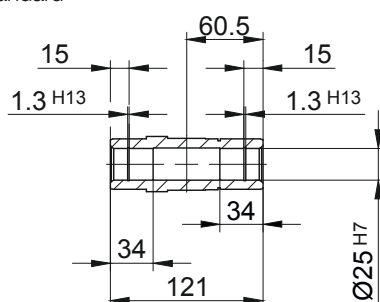
BS06

Flange with clearance holes at front

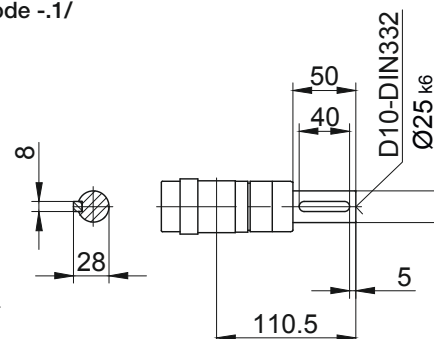
Code -3.V/
(Code -4.V/)



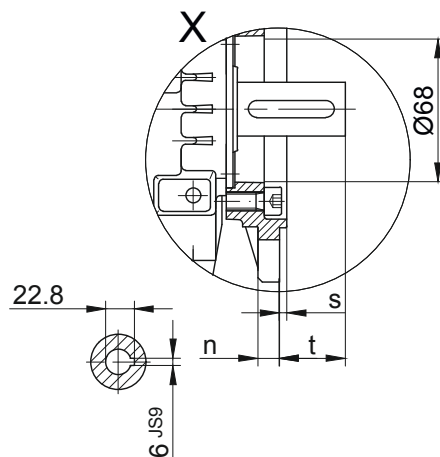
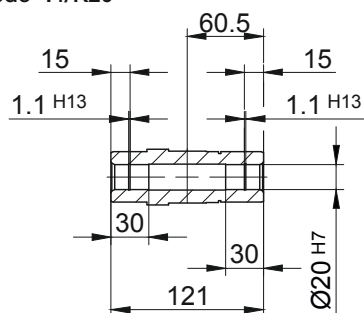
Code -4/
Standard



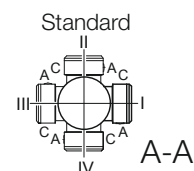
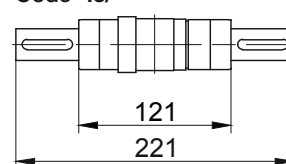
Code -1/



Code -4/K20



Code -3/



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

Dimensions in millimetres (mm)

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

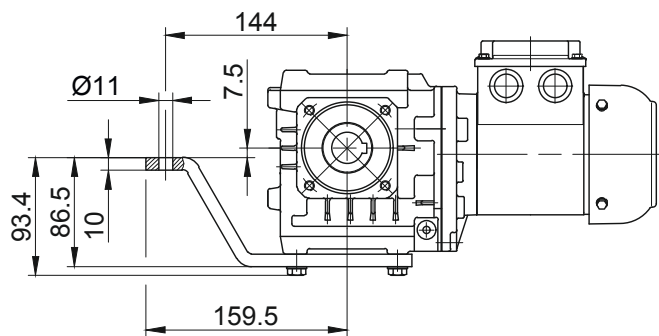
Dimensions in millimetres (mm)

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

BS06

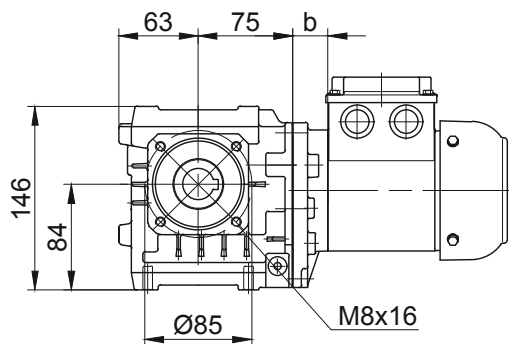
Torque arm at front

Code -5.V/



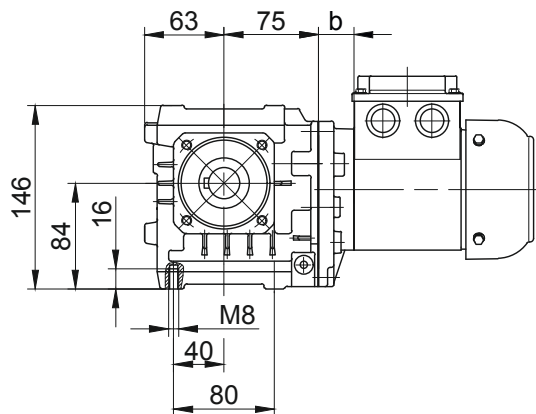
Flange with tapped holes at front

Code -7.V/



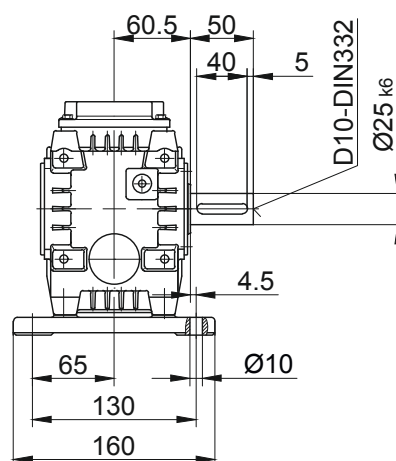
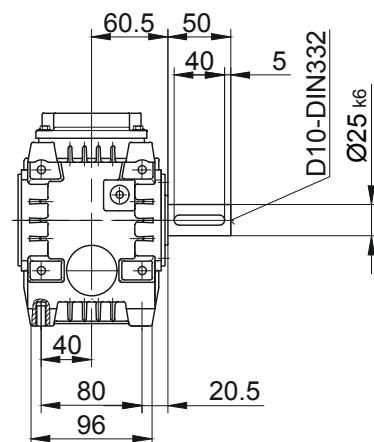
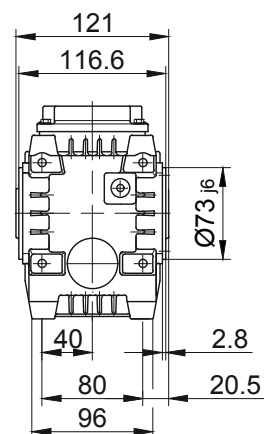
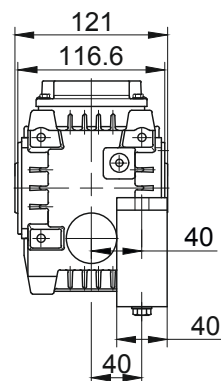
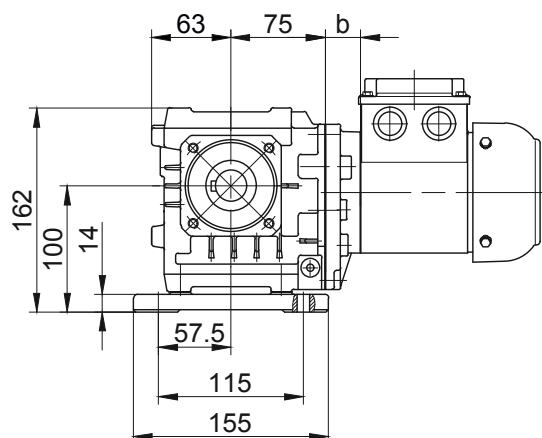
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



BS-series worm-geared motors

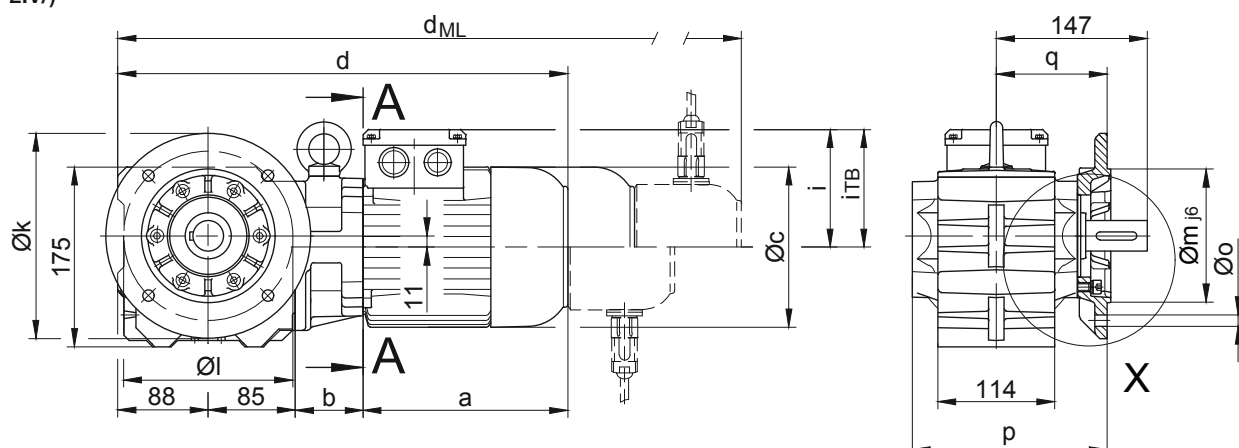
Dimension - Standard

BS10-BS10Z

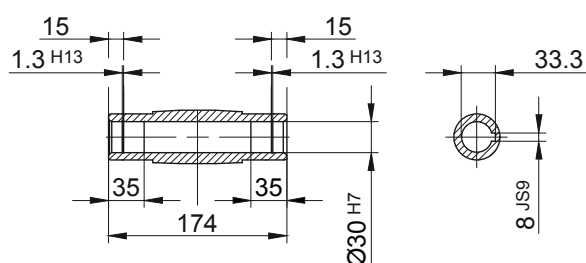
Flange with clearance holes at front

Code -3.V/

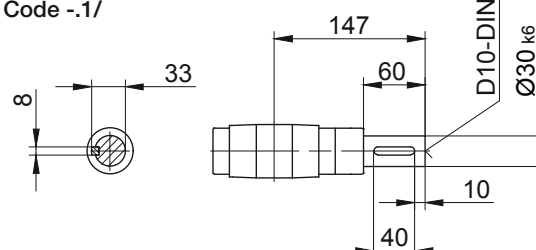
(Code -2.V/)



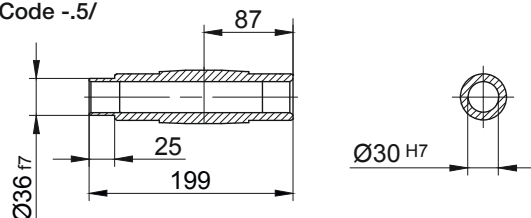
Code -4/



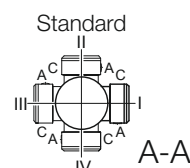
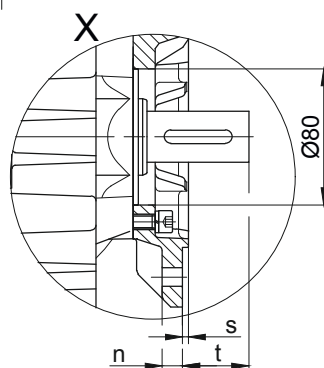
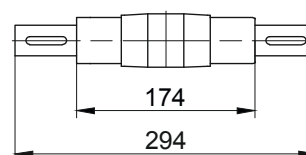
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

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

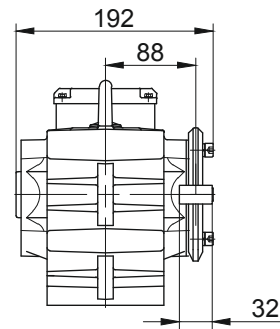
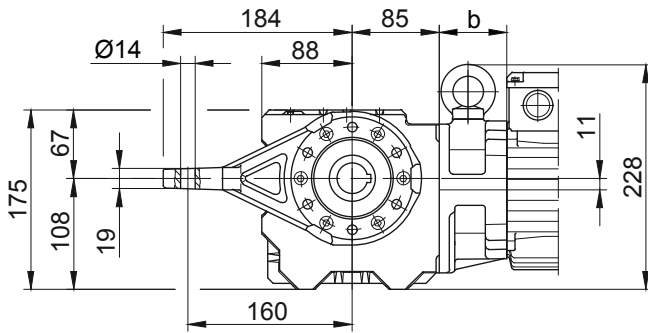
Dimensions in millimetres (mm)

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BS10-BS10Z

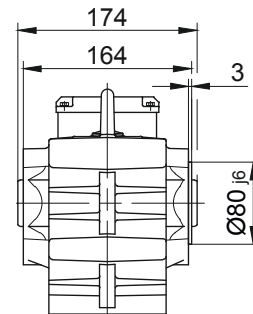
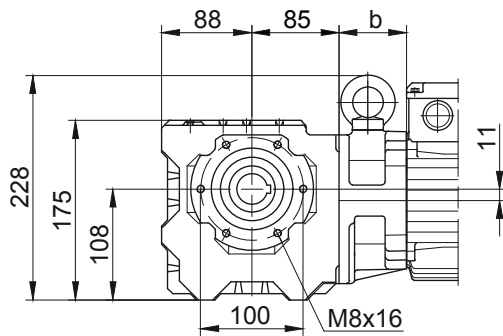
Torque arm at front

Code -5.V/



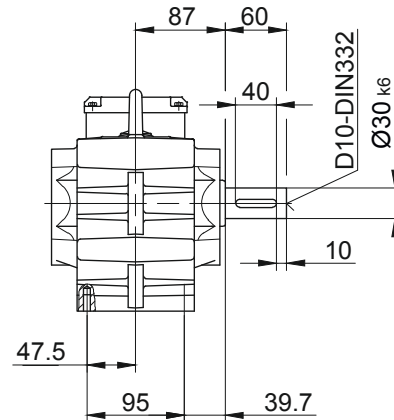
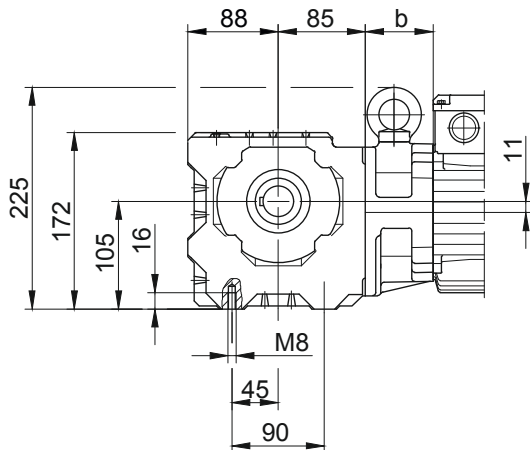
Flange with tapped holes at front

Code -7.V/



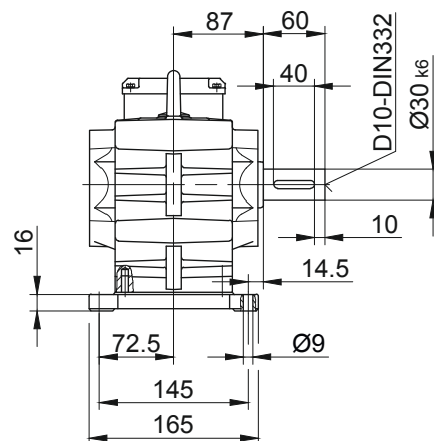
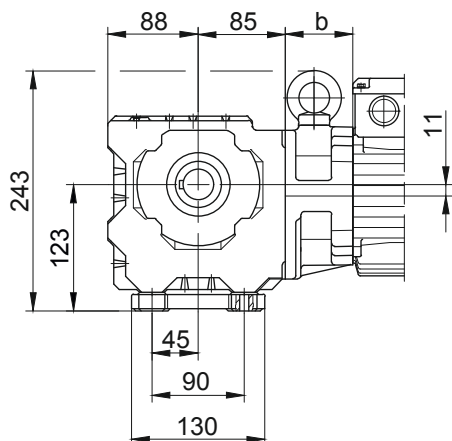
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BS-series worm-geared motors

Dimension - Standard

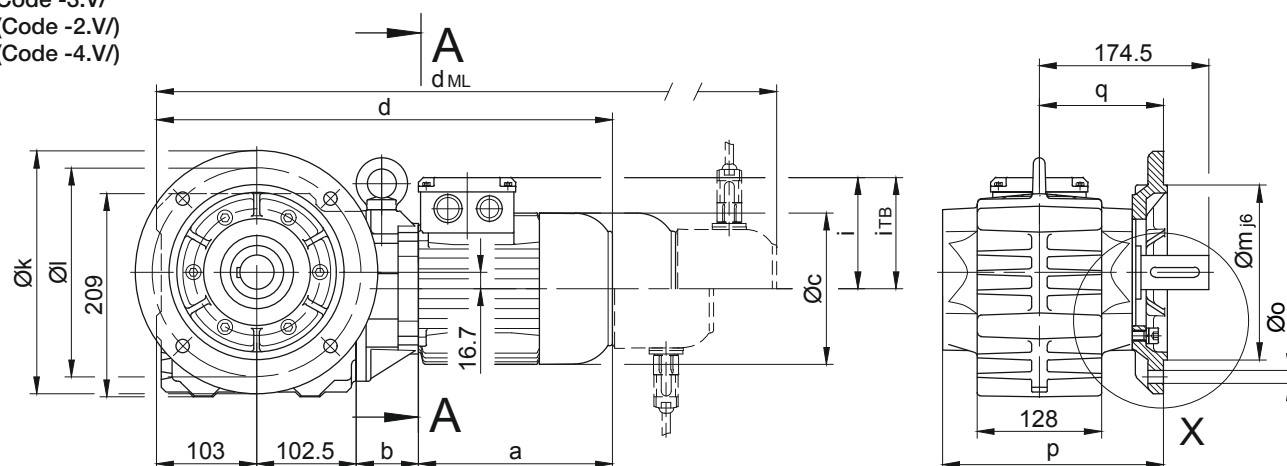
BS20-BS20Z

Flange with clearance holes at front

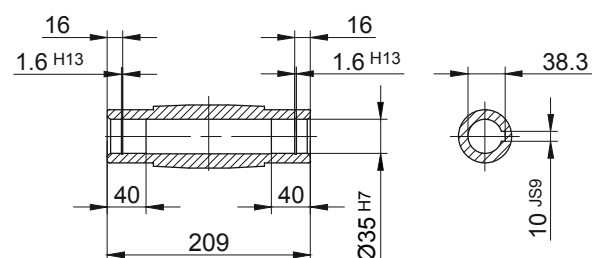
Code -3.V/

(Code -2.V/)

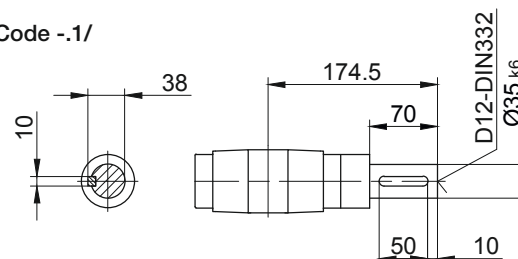
(Code -4.V/)



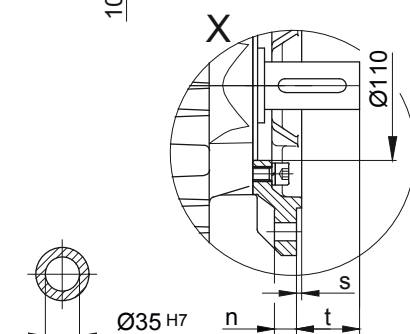
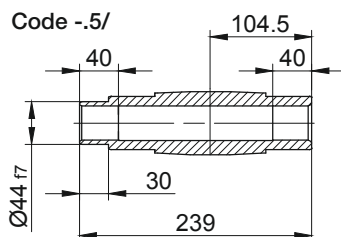
Code -4/



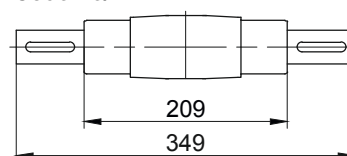
Code -1/



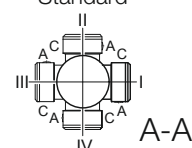
Code -5/



Code -3/



Standard



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

Dimensions in millimetres (mm)

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

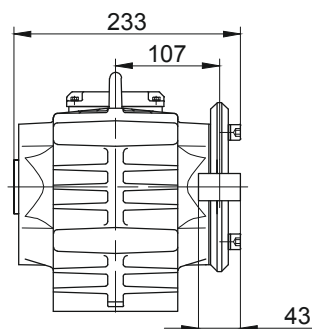
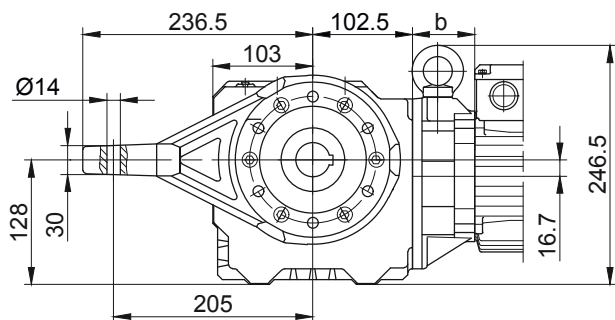
Dimensions in millimetres (mm)

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

BS20-BS20Z

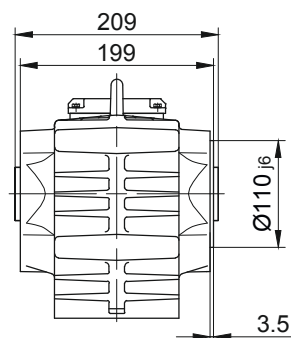
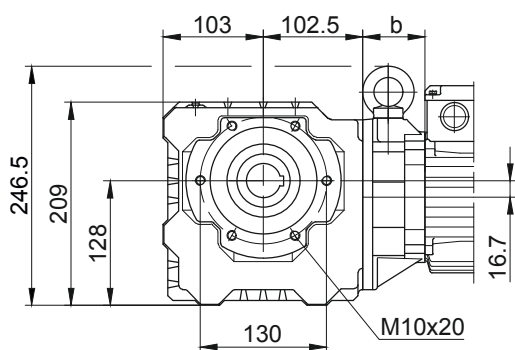
Torque arm at front

Code -5.V/



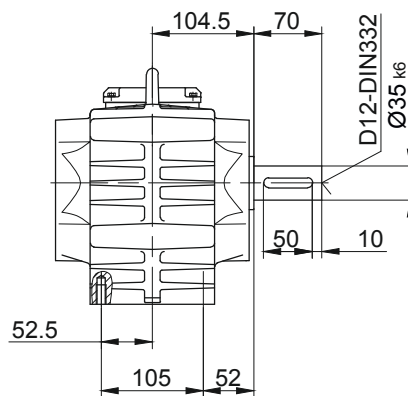
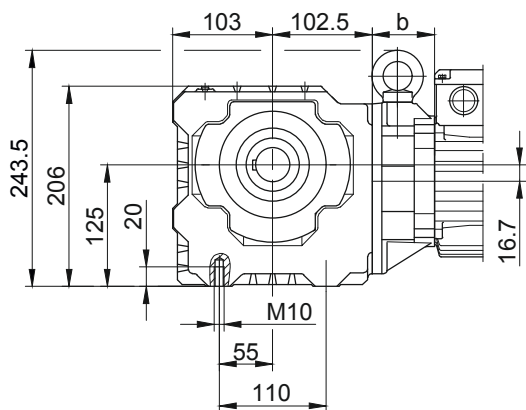
Flange with tapped holes at front

Code -7.V/



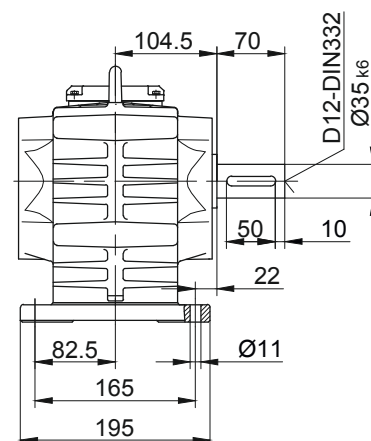
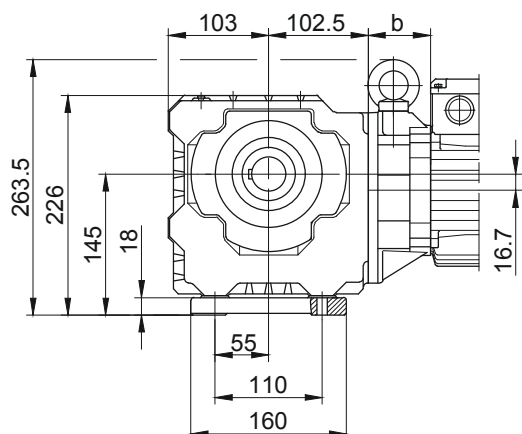
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BS-series worm-geared motors

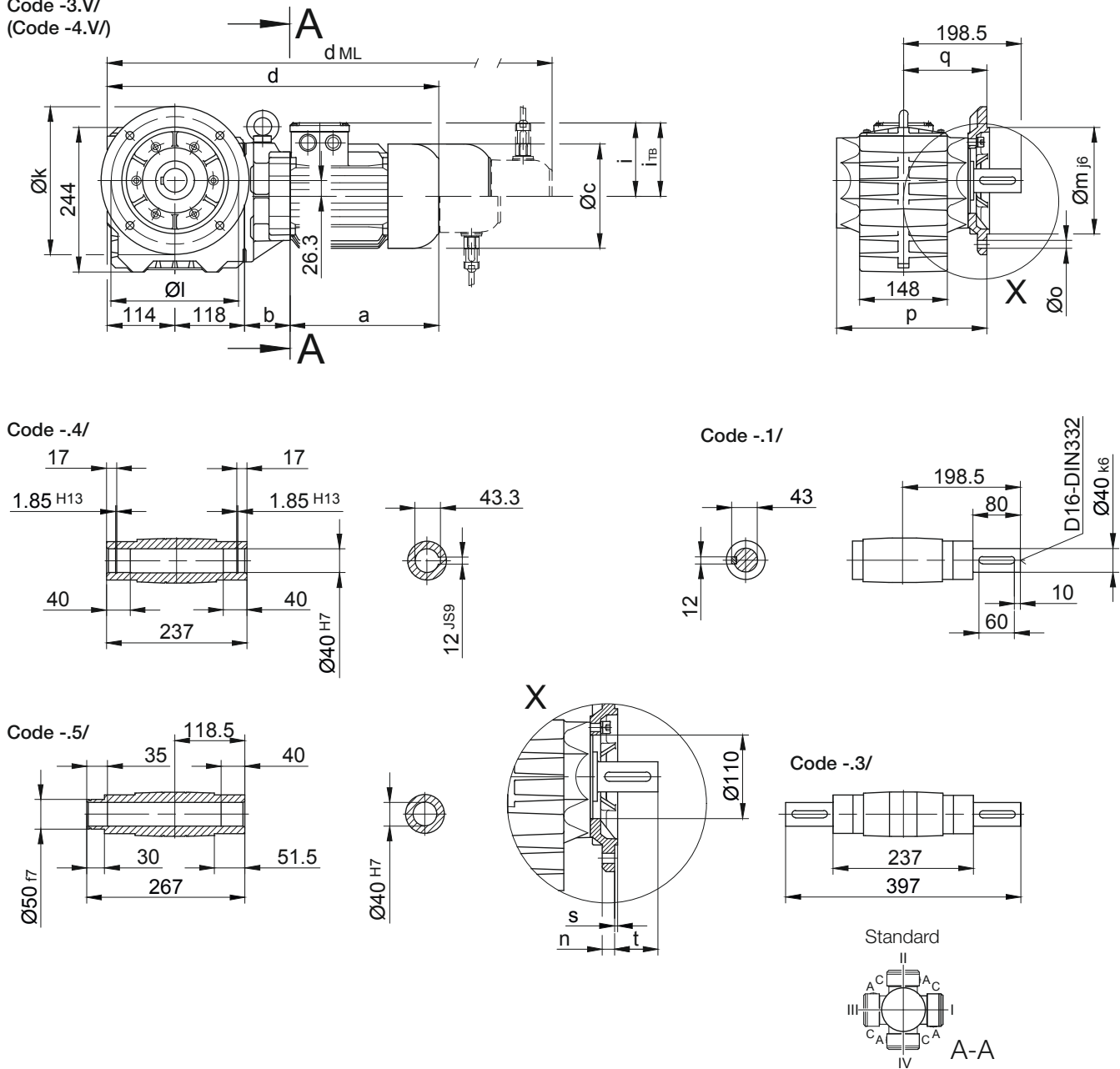
Dimension - Standard

BS30-BS30Z

Flange with clearance holes at front

Code -3.V/

(Code -4.V/)



Flange Dimensions

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

Dimensions in millimetres (mm)

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

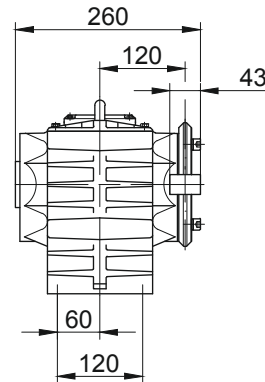
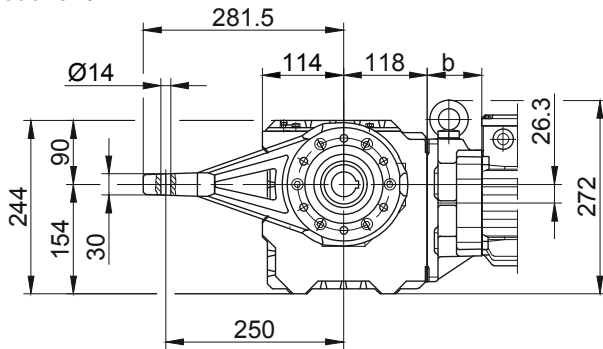
Dimensions in millimetres (mm)

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

BS30-BS30Z

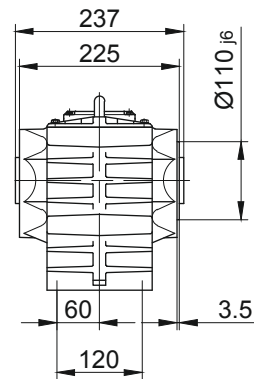
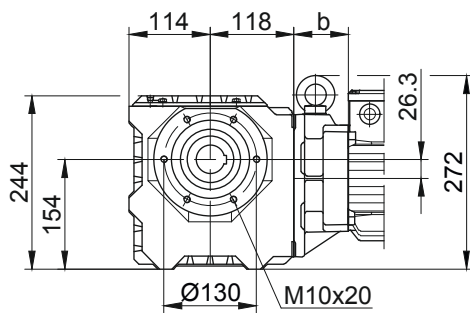
Torque arm at front

Code -5.V/



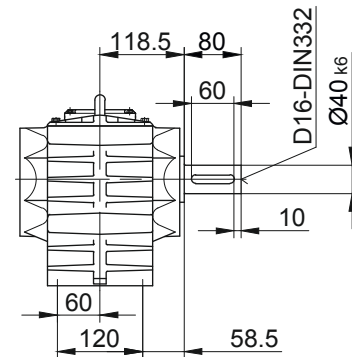
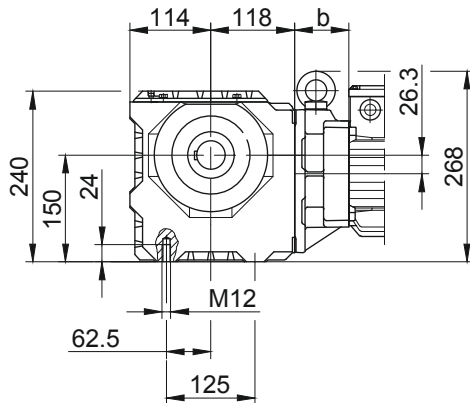
Flange with tapped holes at front

Code -7.V/



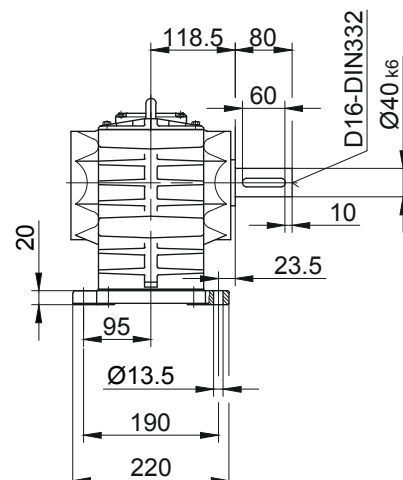
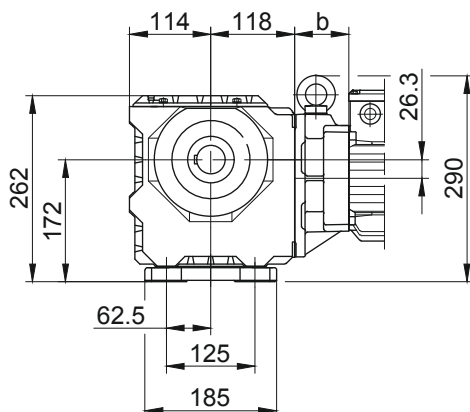
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

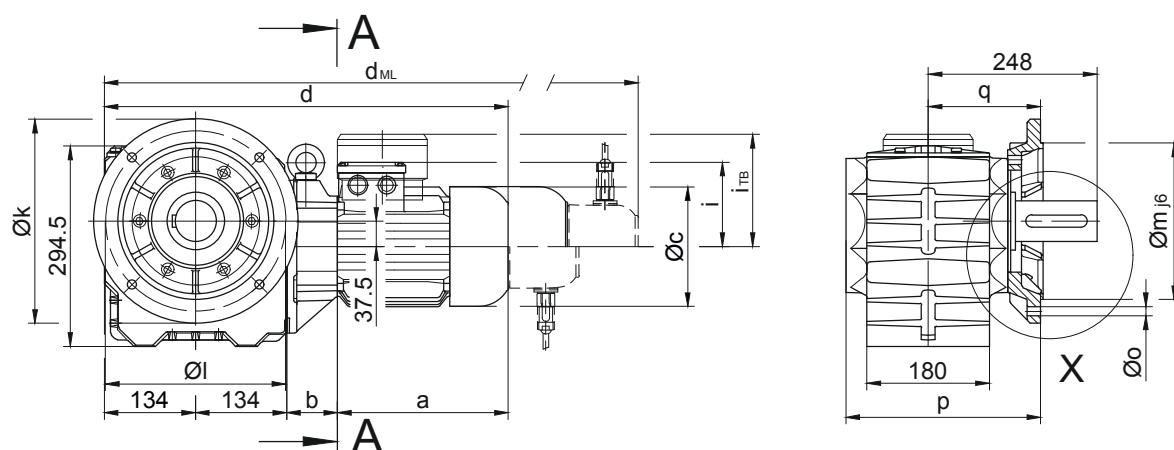
BS-series worm-geared motors

Dimension - Standard

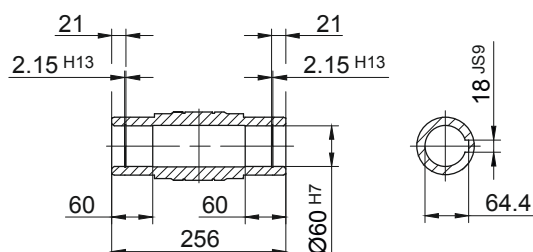
BS40-BS40Z

Flange with clearance holes at front

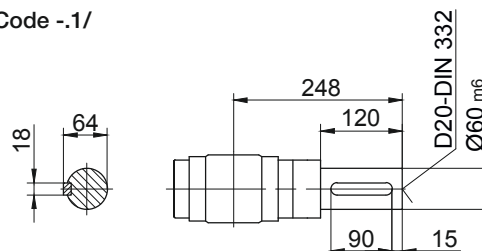
Code -3.V/



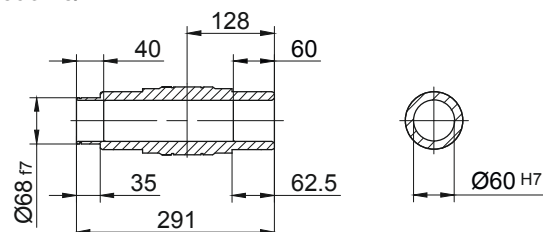
Code -4/



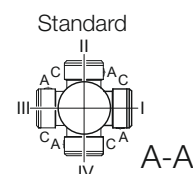
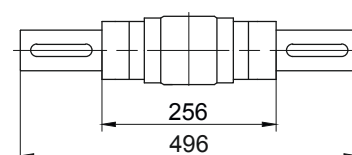
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

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

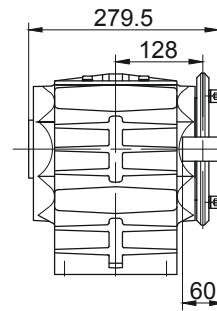
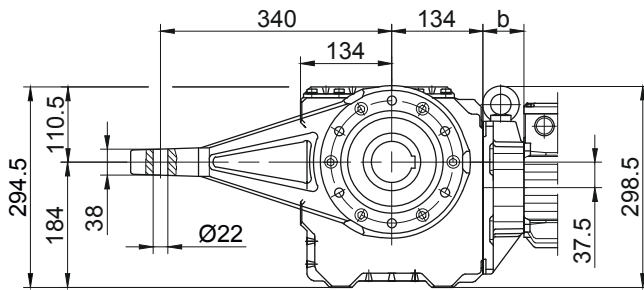
Dimensions in millimetres (mm)

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

BS40-BS40Z

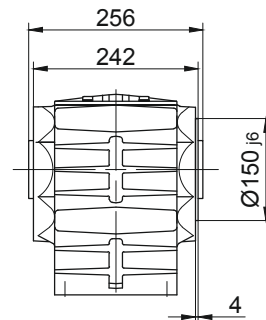
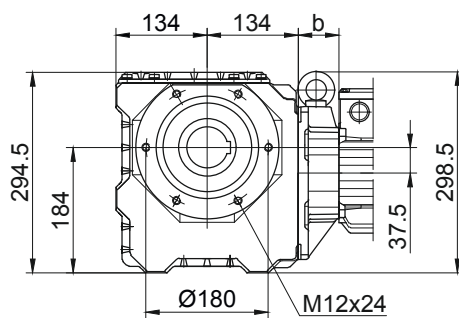
Torque arm at front

Code -5.V/



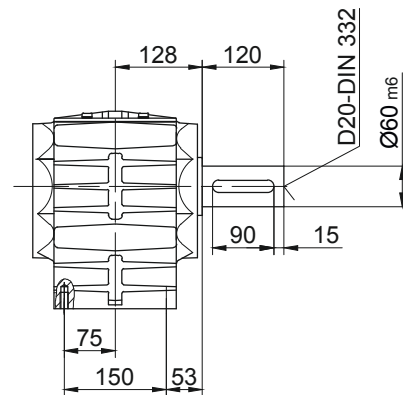
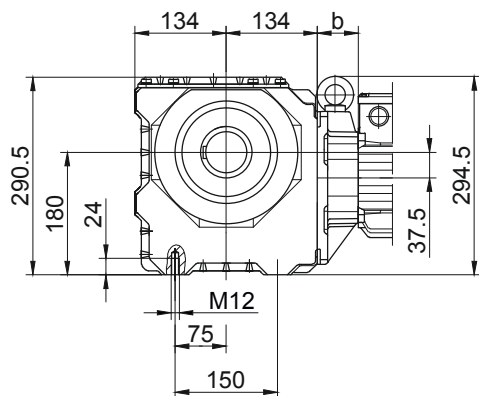
Flange with tapped holes at front

Code -7.V/



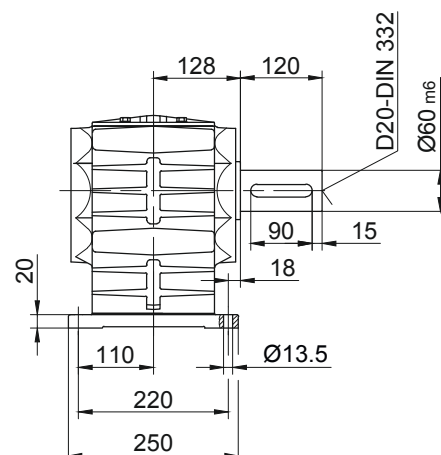
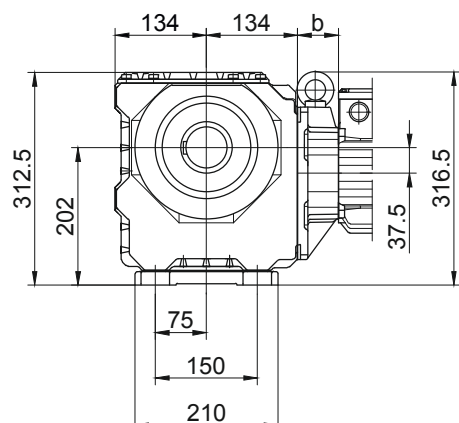
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

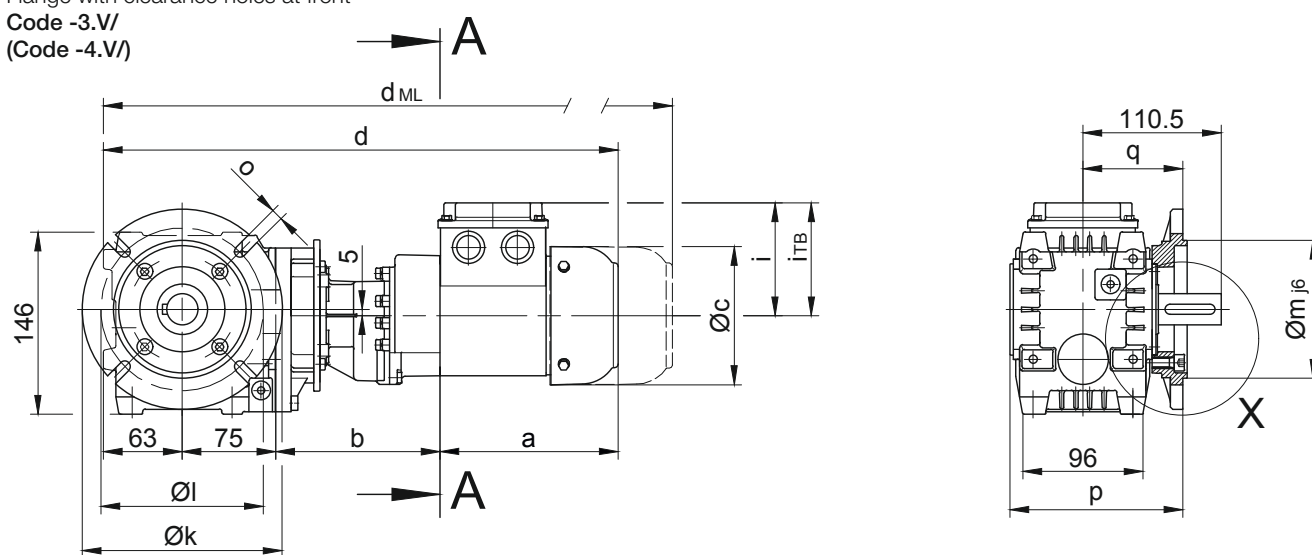
Dimension - Tandem Gearbox

BS06G04

Flange with clearance holes at front

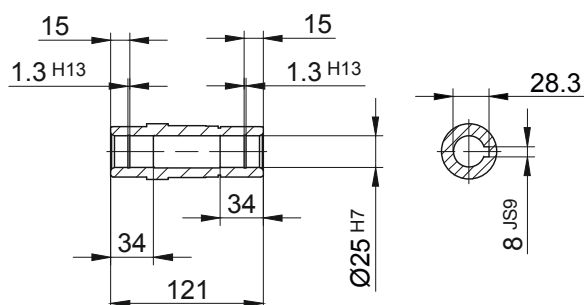
Code -3.V/

(Code -4.V/)

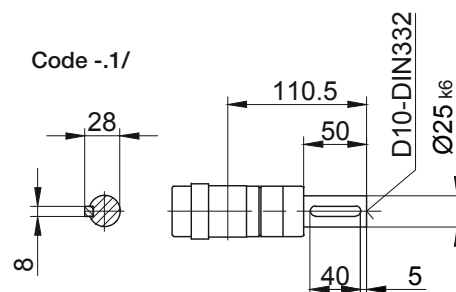


Code -.4/

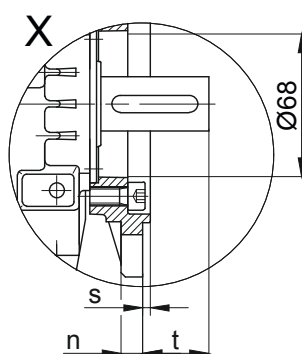
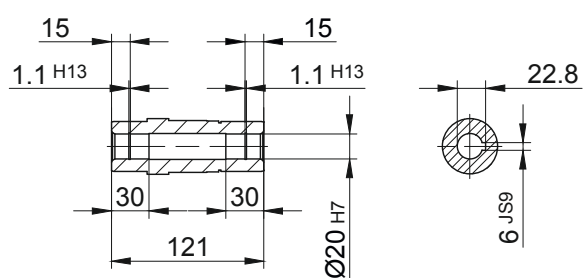
Standard



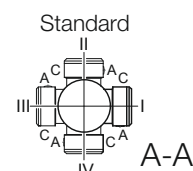
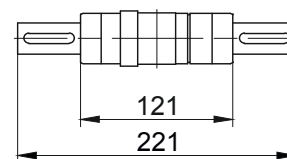
Code -.1/



Code -.4/K20



Code -.3/



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

Dimensions in millimetres (mm)

Dimensions in millimetres (mm)

Type	a	b	c	d	i	Design with motor extensions				
						i _{TB}	Brake	Encoder	Brake with Encoder	Back Stop
							d _{ML}	d _{ML}	d _{ML}	d _{ML}
BS06G04- /S04S	142.5	131	110.5	411.5	90	112	455	499	542.5	-

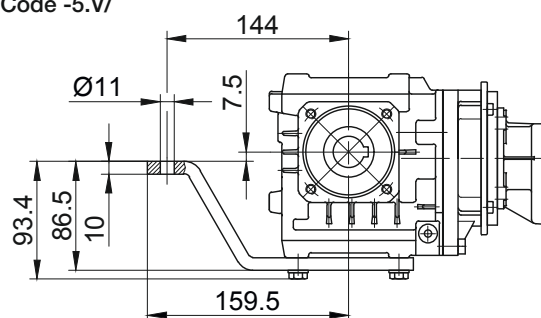
Dimensions in millimetres (mm)

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

BS06G04

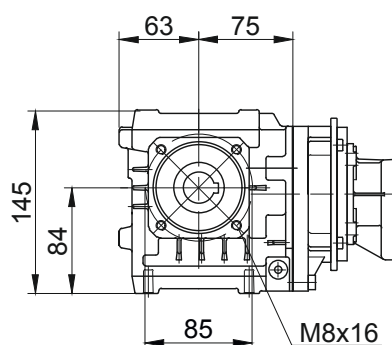
Torque arm at front

Code -5.V/



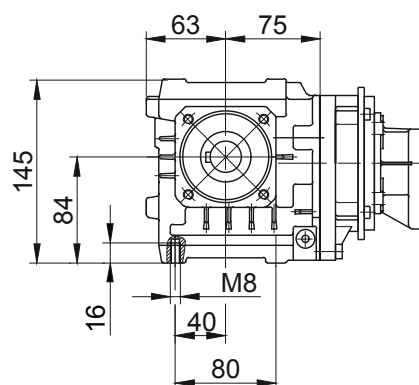
Flange with tapped holes at front

Code -7.V/



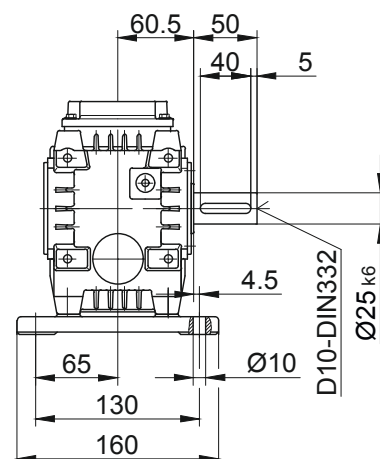
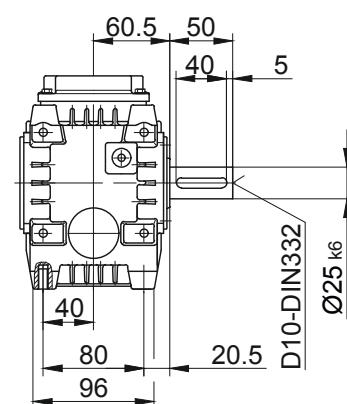
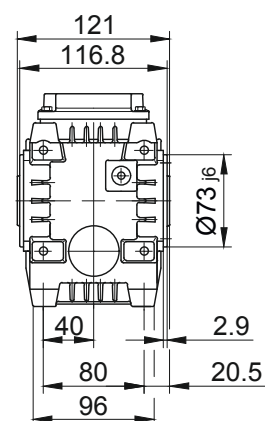
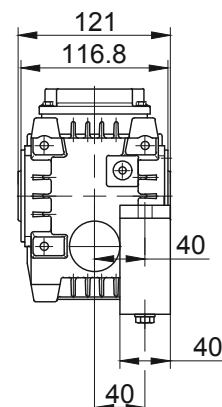
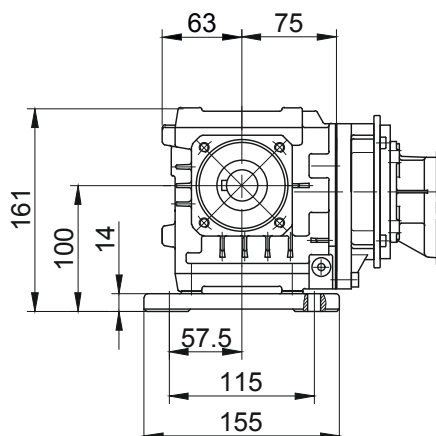
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



BS-series worm-geared motors

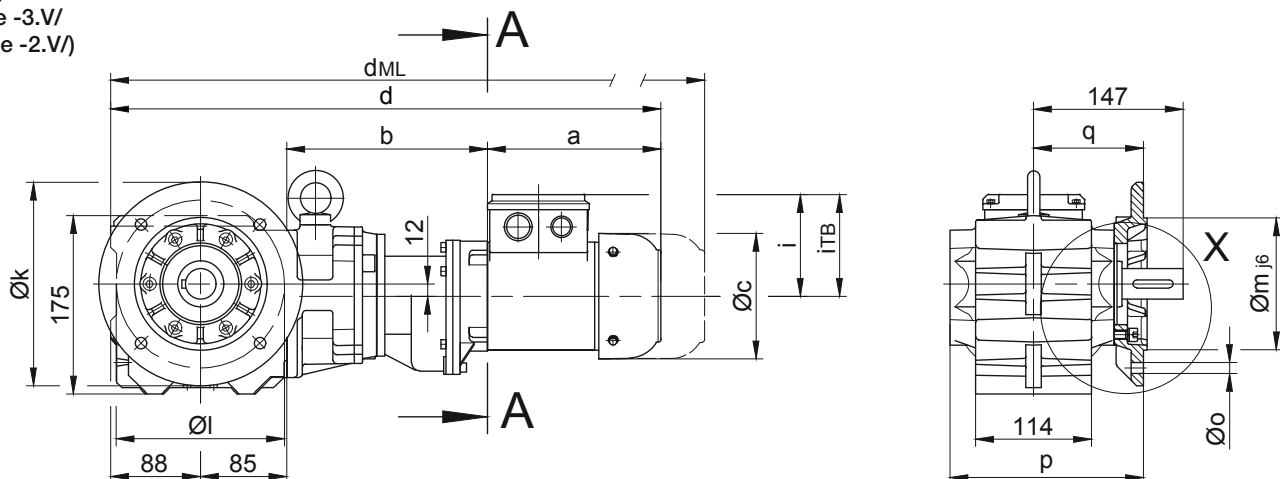
Dimension - Tandem Gearbox

BS10G06

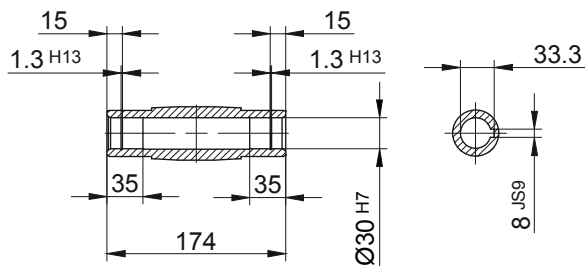
Flange with clearance holes at front

Code -3.V/

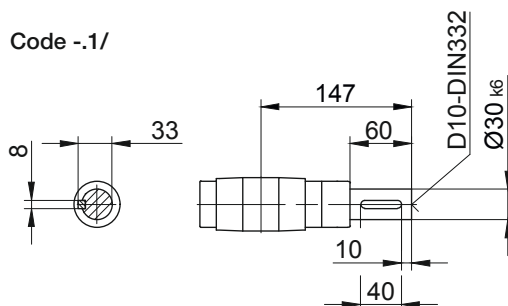
(Code -2.V/)



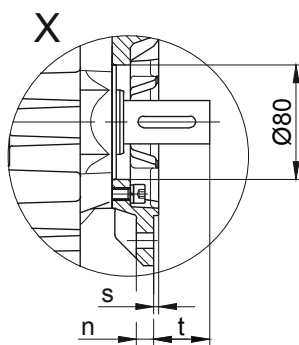
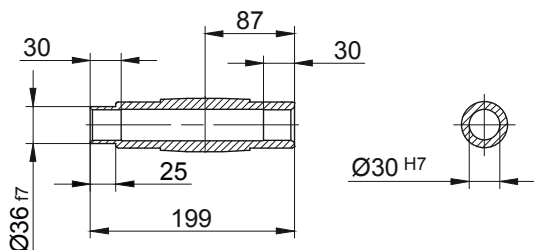
Code -4/



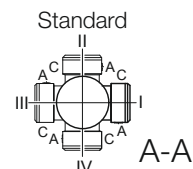
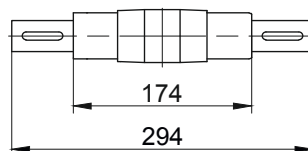
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

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

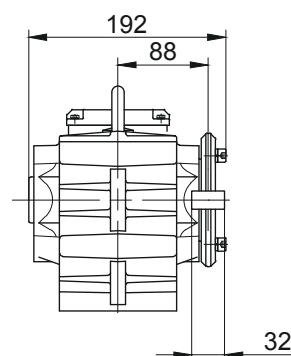
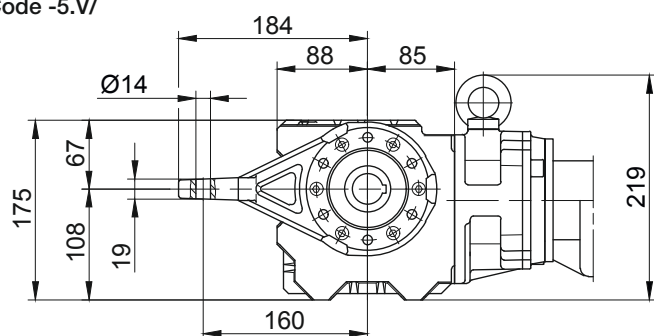
Dimensions in millimetres (mm)

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

BS10G06

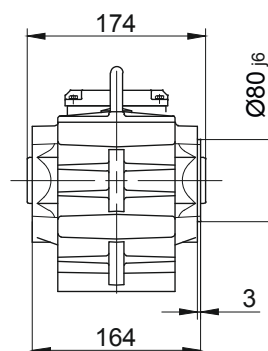
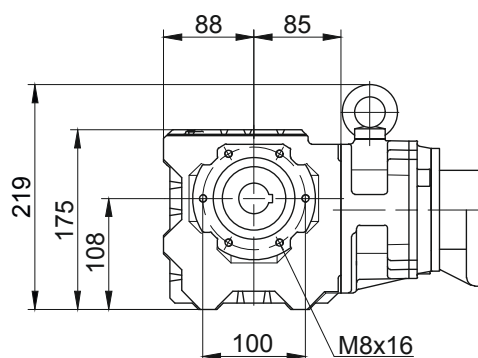
Torque arm at front

Code -5.V/



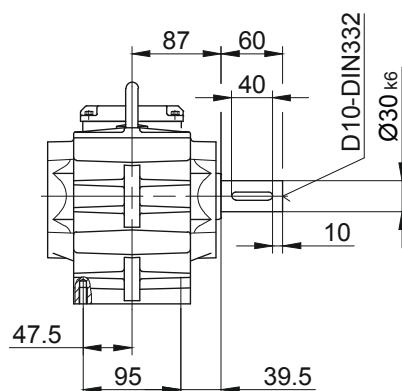
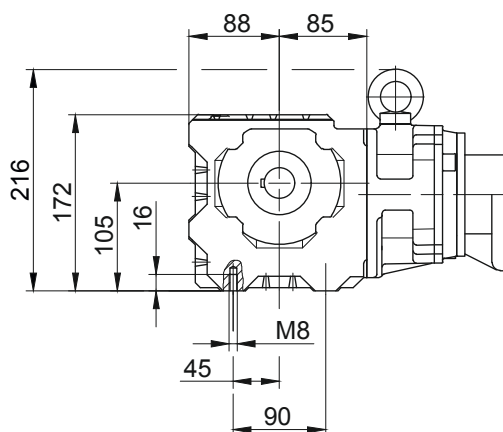
Flange with tapped holes at front

Code -7.V/



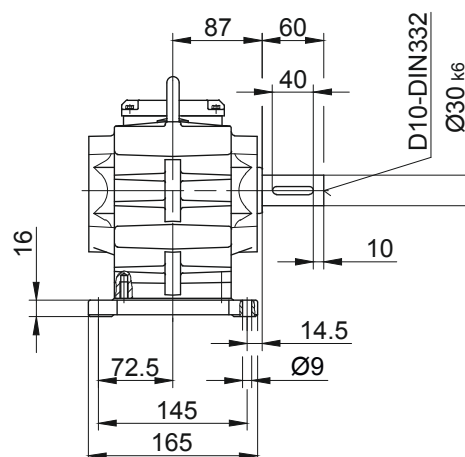
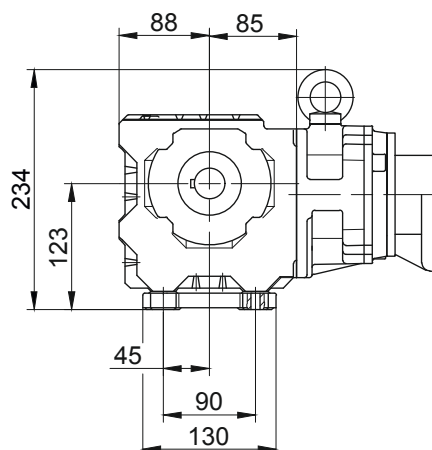
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BS-series worm-geared motors

Dimension - Tandem Gearbox

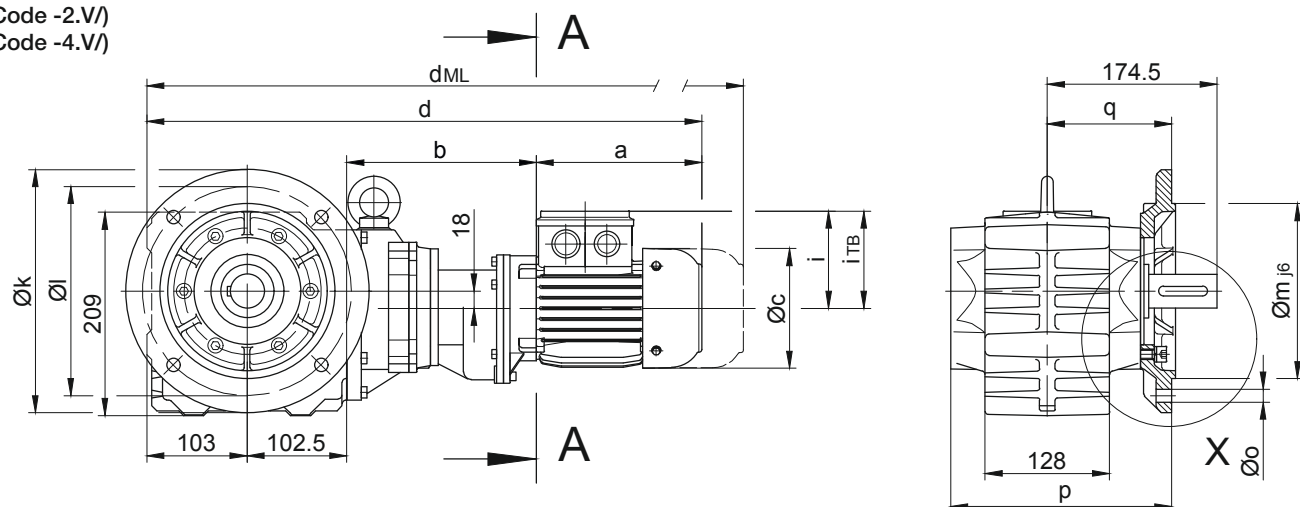
BS20G06

Flange with clearance holes at front

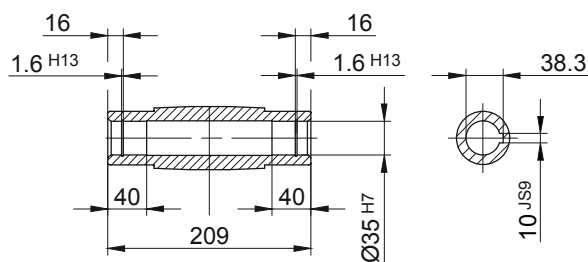
Code -3.V/

(Code -2.V/)

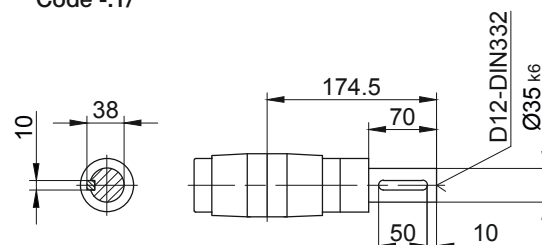
(Code -4.V/)



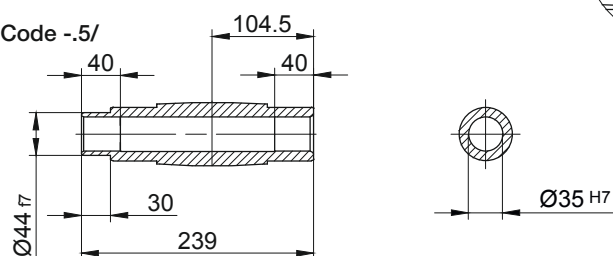
Code -4/



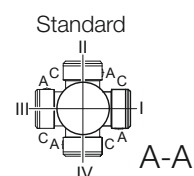
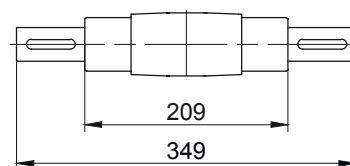
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

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

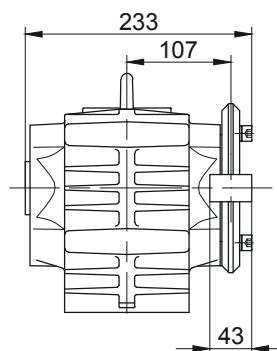
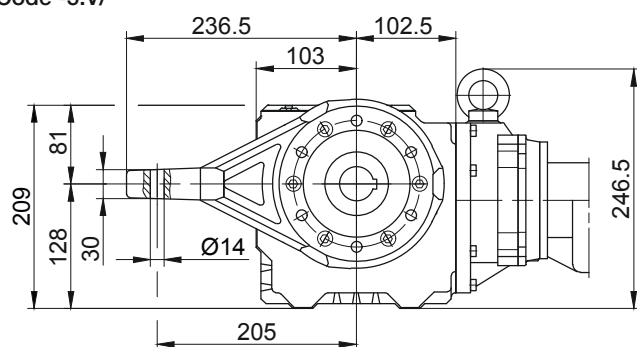
Dimensions in millimetres (mm)

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

BS20G06

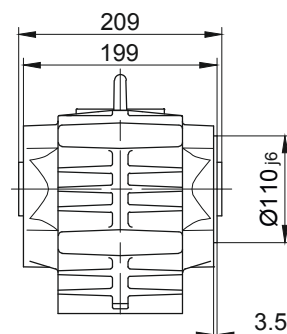
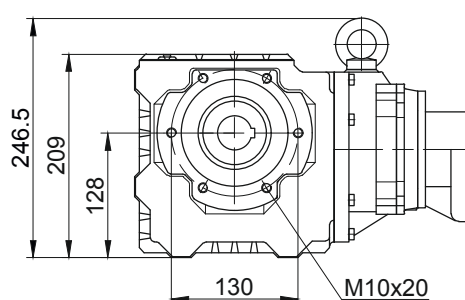
Torque arm at front

Code -5.V/



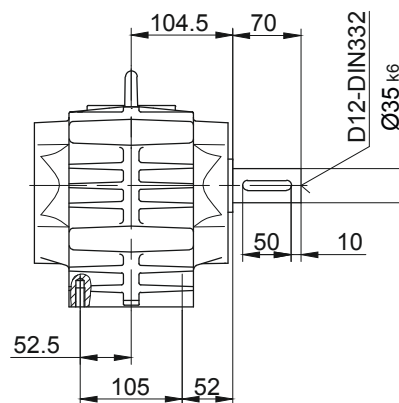
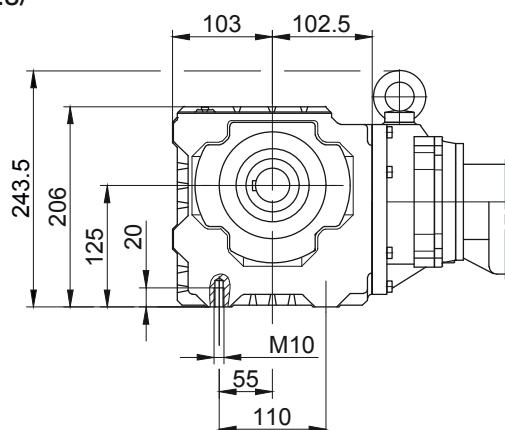
Flange with tapped holes at front

Code -7.V/



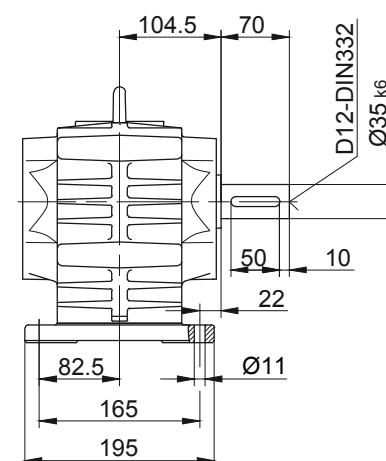
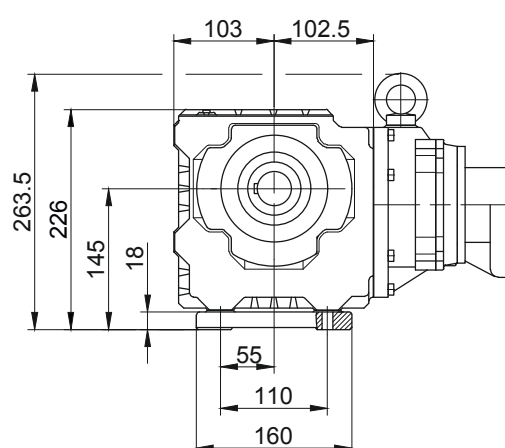
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



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

BS-series worm-geared motors

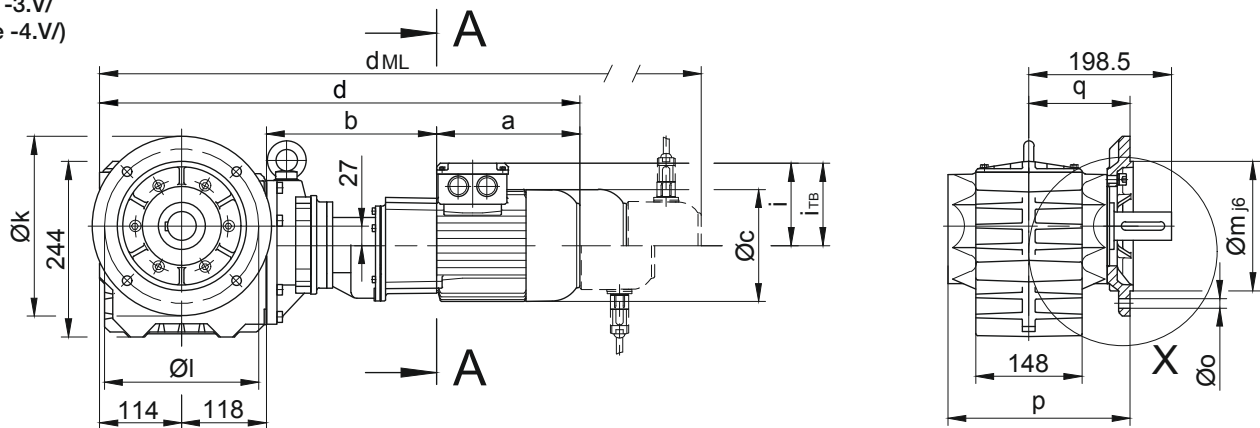
Dimension - Tandem Gearbox

BS30G06

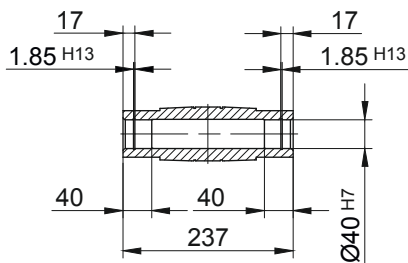
Flange with clearance holes at front

Code -3.V/

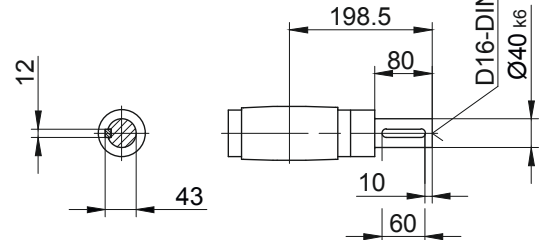
(Code -4.V/)



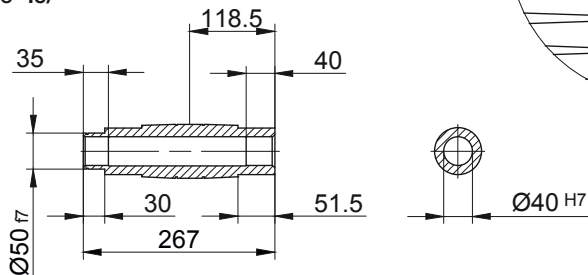
Code -4/



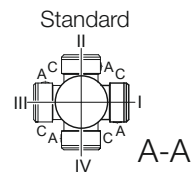
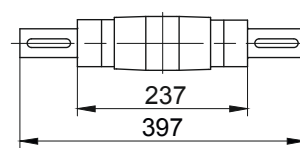
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

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

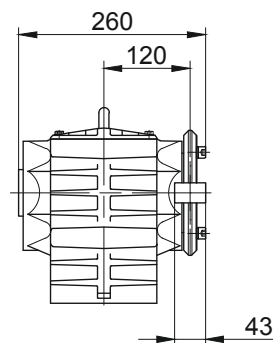
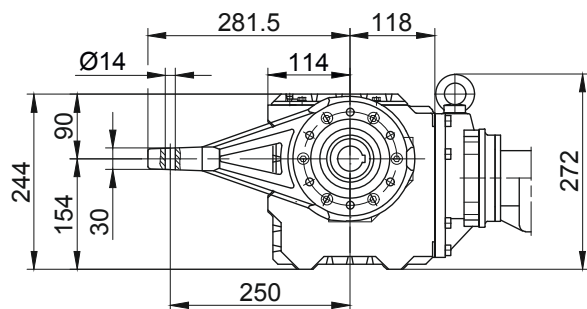
Dimensions in millimetres (mm)

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

BS30G06

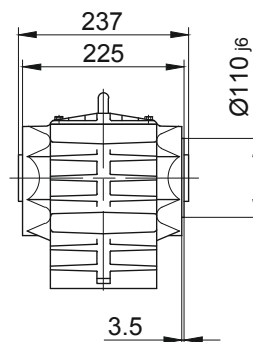
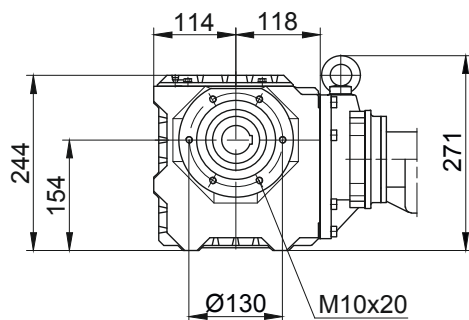
Torque arm at front

Code -5.V/



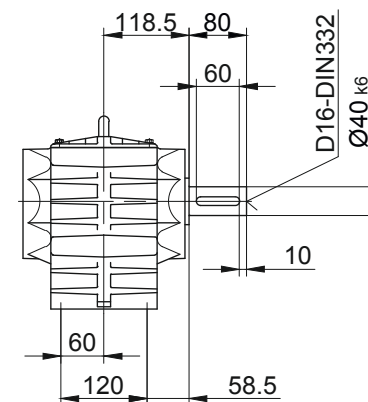
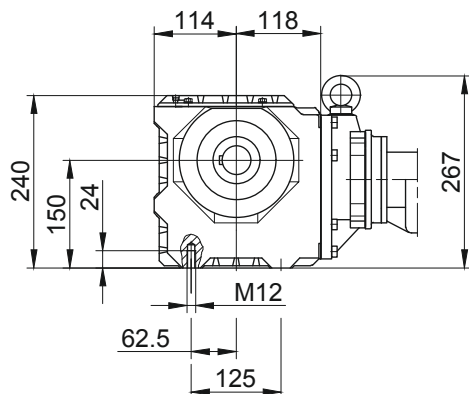
Flange with tapped holes at front

Code -7.V/



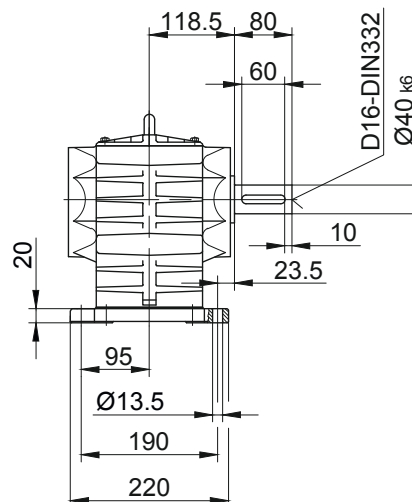
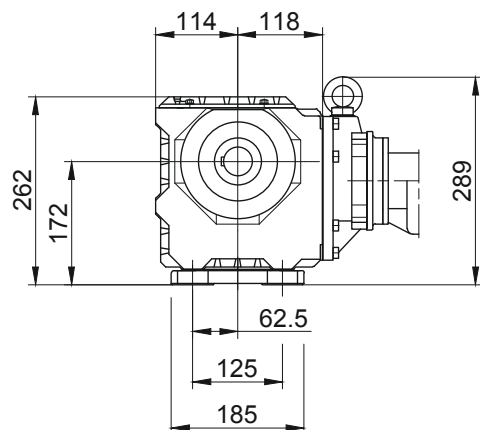
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/



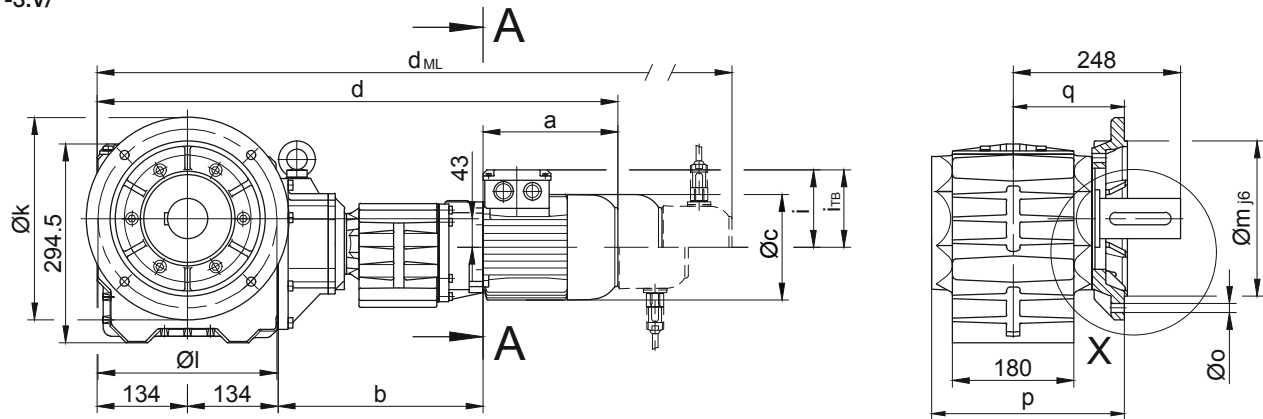
BS-series worm-geared motors

Dimension - Tandem Gearbox

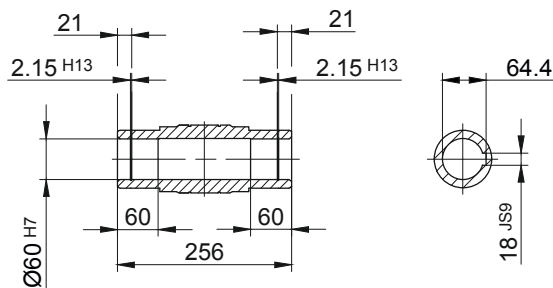
BS40G10

Flange with clearance holes at front

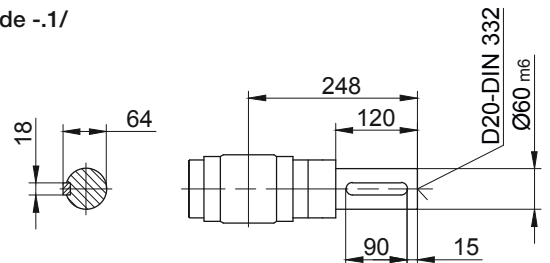
Code -3.V/



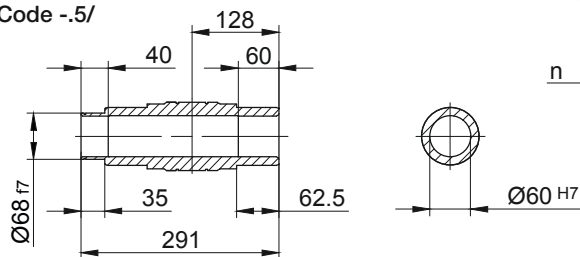
Code -4/



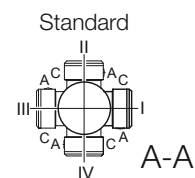
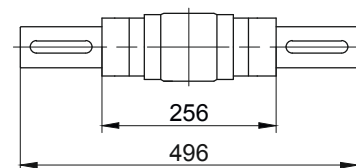
Code -1/



Code -5/



Code -3/



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

Dimensions in millimetres (mm)

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

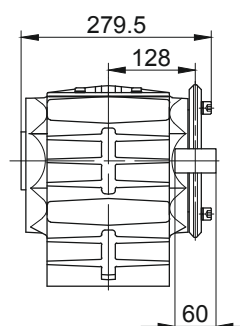
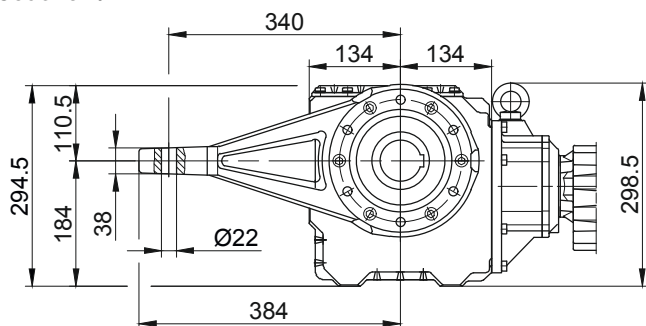
Dimensions in millimetres (mm)

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

BS40G10

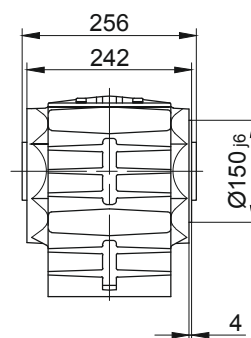
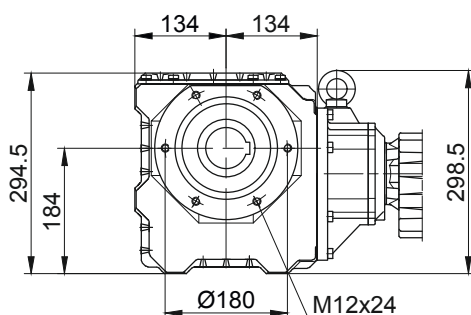
Torque arm at front

Code -5.V/



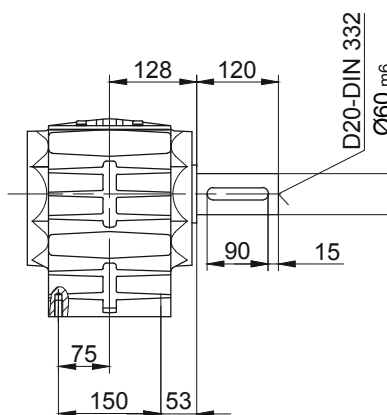
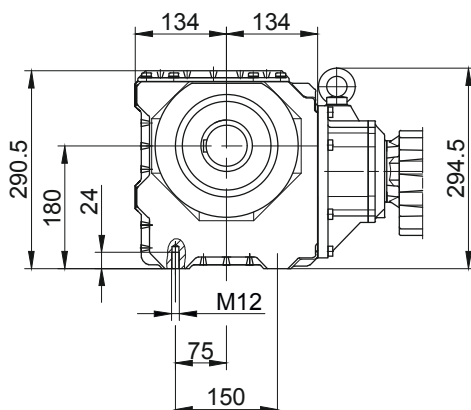
Flange with tapped holes at front

Code -7.V/



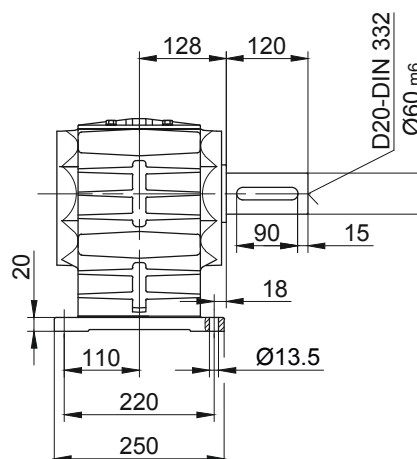
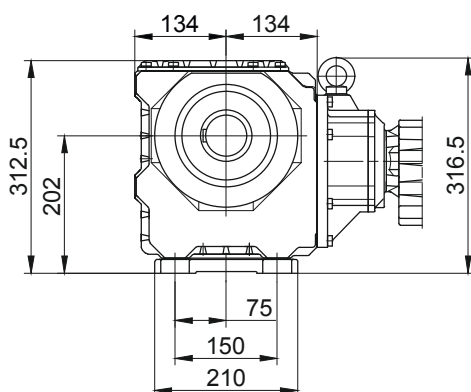
Foot with tapped holes at bottom

Code -6.U/



Foot with clearance holes at bottom

Code -1.U/

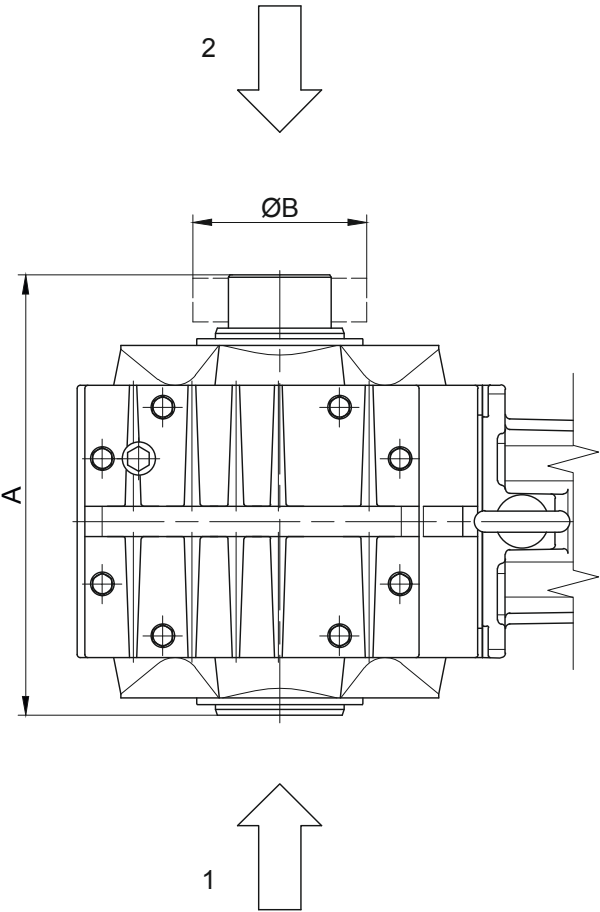


BS-series worm-geared motors

Additional Dimension Sheet

Shrink disc couplings (SSV)

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

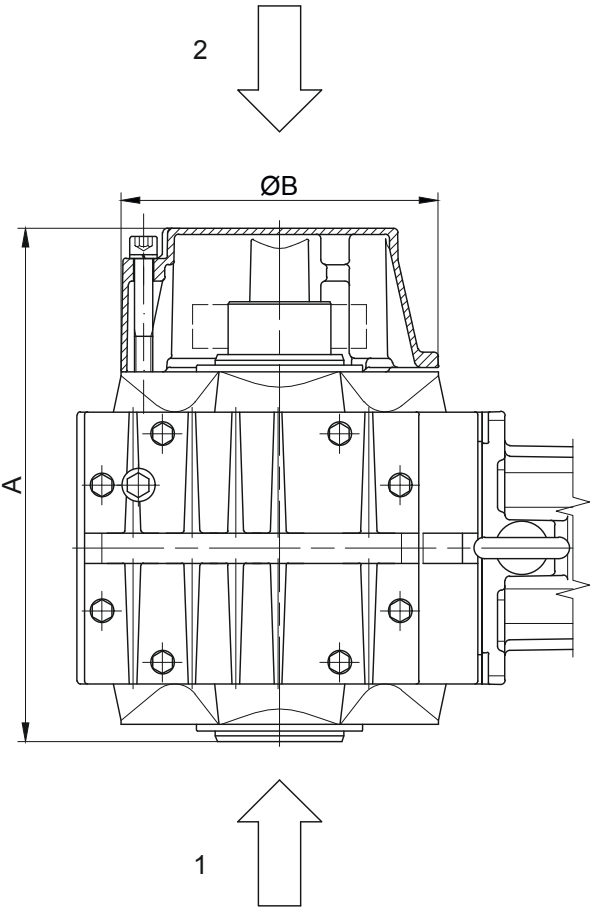


- 1 Gear side FRONT (V)
- 2 Gear side REAR (H)

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

Shrink disc couplings with (SSV) cover

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



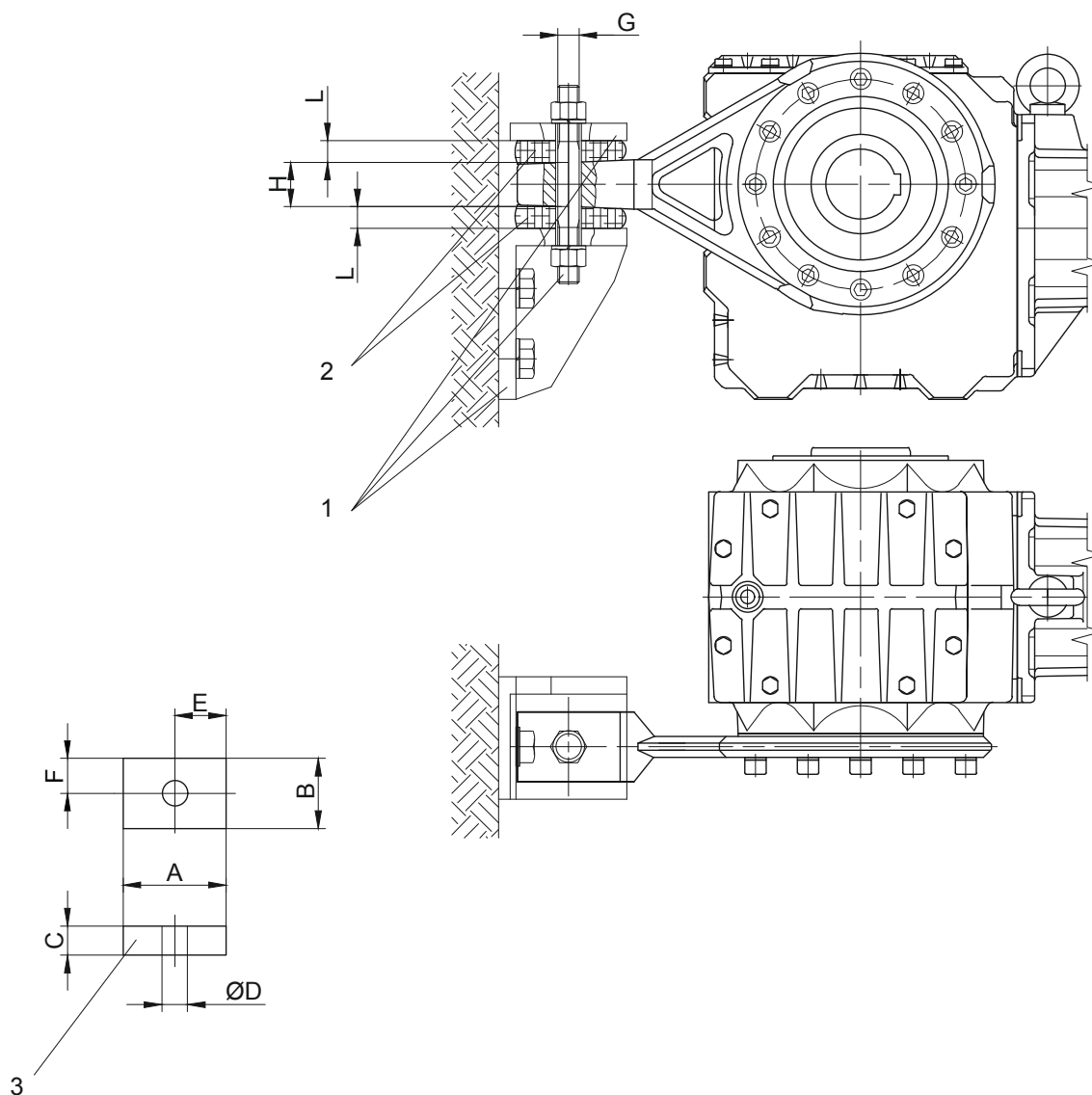
- 1 Gear side FRONT (V)
- 2 Gear side REAR (H)

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

BS-series worm-geared motors

Additional Dimension Sheet

Rubber buffer for torque arm



- 1 not included in delivery
2 Rubber buffers pretensioned

- 3 Rubber buffer - only for BS03-BS40
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
BS02	-	-	-	-	-	-	-	M8	6	-
BS03	Position 0	30	30	12	12	15	15	M8	10	10.5
BS04	Position 0	30	30	12	12	15	15	M8	10	10.5
BS06	Position 0	30	30	12	12	15	15	M10	10	10
BS10	Position 1	48	32	15	14	24	16	M10	19	13
BS20	Position 2	63	43	20	14	31.5	21.5	M10	30	17.5
BS30	Position 2	63	43	20	14	31.5	21.5	M10	30	17
BS40	Position 3	88	60	25	22	44	30	M18	38	22

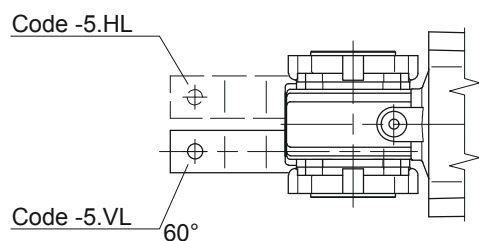
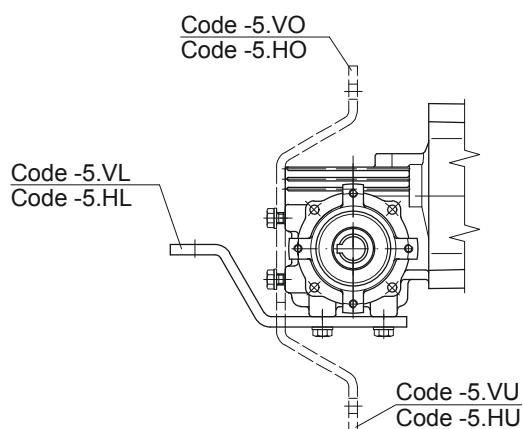
Dimensions in millimetres (mm)

BS-series worm-geared motors

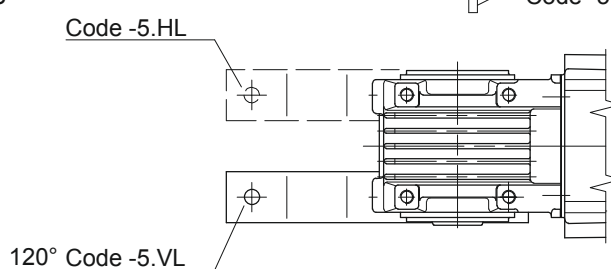
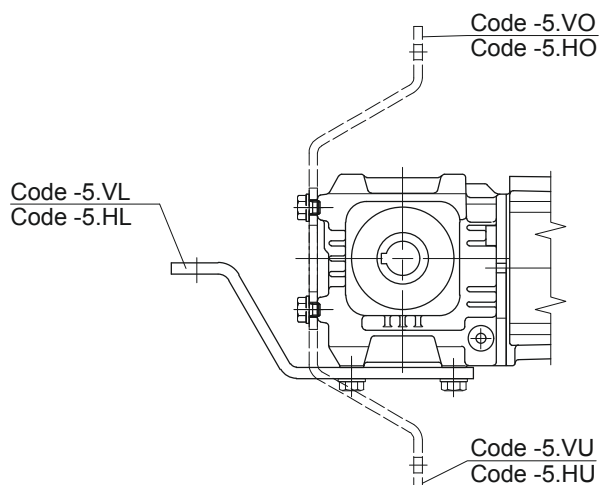
Additional Dimension Sheet

Position of the torque arm

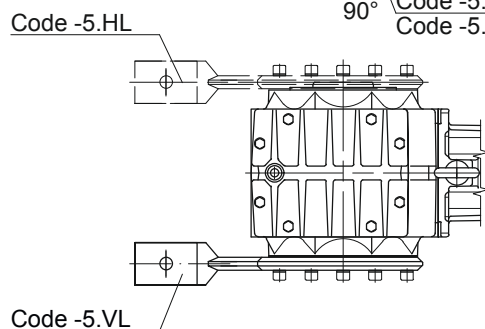
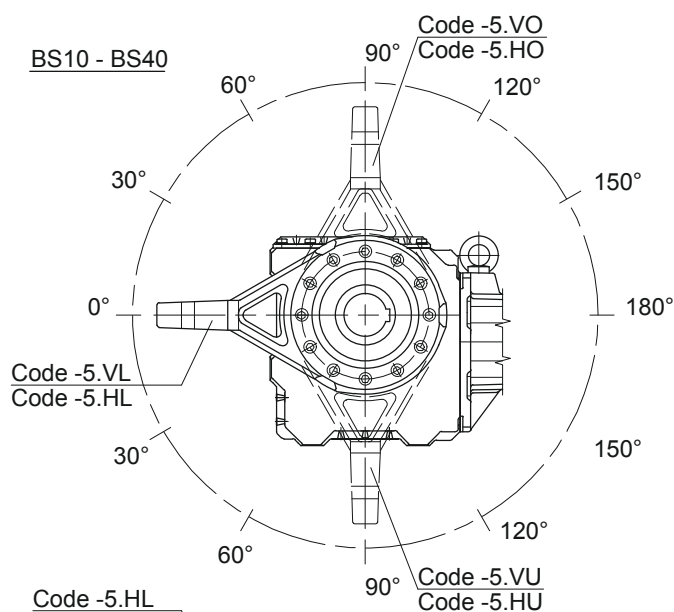
BS02 / BS03



BS04 / BS06



BS10 - BS40

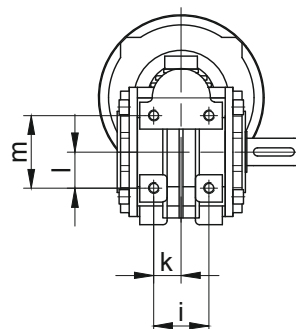
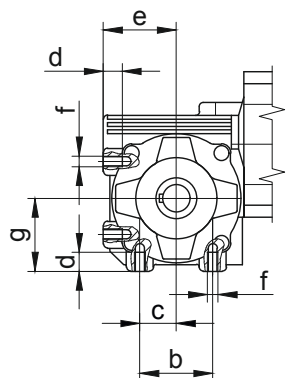


Gear	Position						
	VL/HL	VO/HO/VU/HU					VR/HR
BS10	0°	30°	60°	90°	120°	150°	-
BS20	0°	30°	60°	90°	120°	150°	-
BS30	0°	30°	60°	90°	120°	150°	-
BS40	0°	30°	60°	90°	120°	150°	-

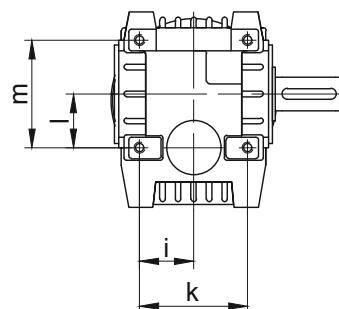
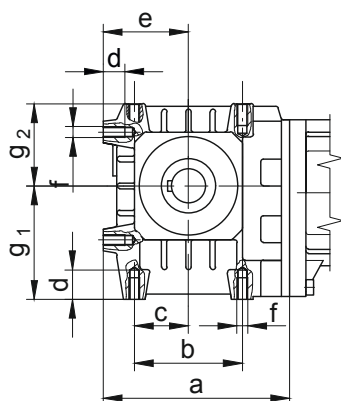
BS-series worm-geared motors

Additional Dimension Sheet

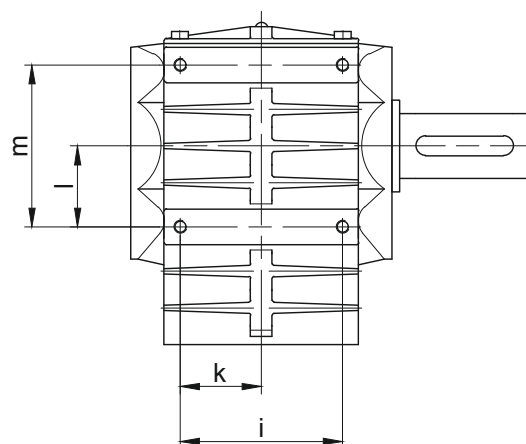
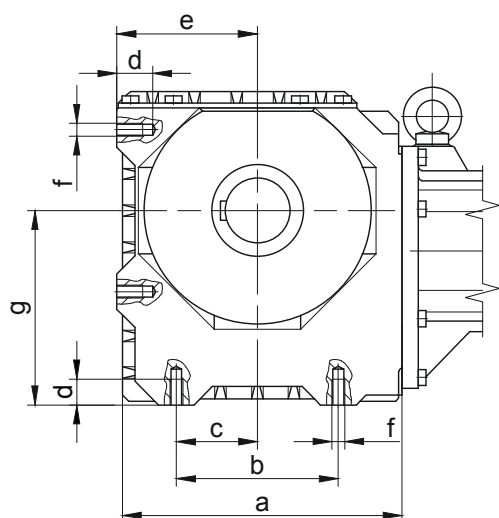
Threaded foot



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



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



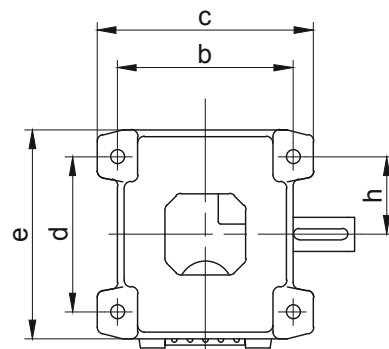
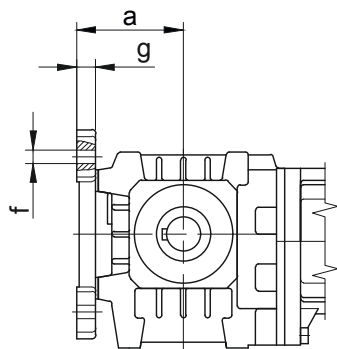
Type	a	b	c	d	e	f	g	-	i	k	l	m
BS10-BS10Z	170	90	45	16	85	M8	105	-	95	47.5	45	90
BS20-BS20Z	202.5	110	55	20	100	M10	125	-	105	52.5	55	110
BS30-BS30Z	228	125	62.5	24	110	M12	150	-	120	60	62.5	125
BS40-BS40Z	264	150	75	24	130	M12	180	-	150	75	75	150

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

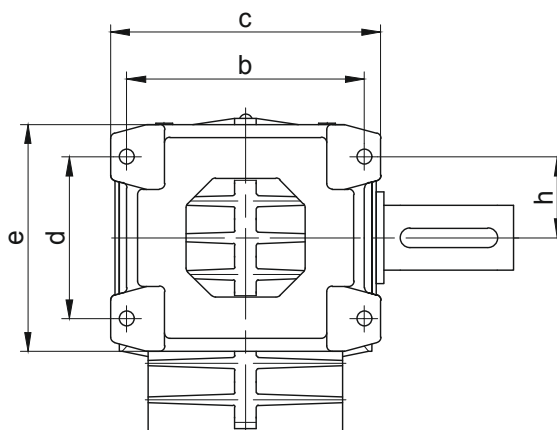
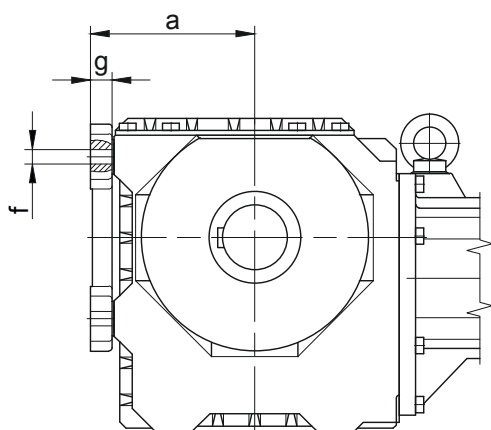
BS-series worm-geared motors

Additional Dimension Sheet

Foot plate, left



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



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

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

BS-series worm-geared motors

Additional Dimension Sheet

Assembly tools for hollow shaft and keyway

Position 1 Shaft

The diagram illustrates the geometry of the Position 1 Shaft. The side view shows a shaft with a central section of length $b \pm 0.5$ and a diameter of $\varnothing a \pm 0.06$. This central section is flanked by sections of length e and f . A fillet with radius r and a chamfer with angle 30° are indicated. The end view shows a circular cross-section with a central hole of diameter $\varnothing d + 0.2$ and a hole depth of c . A dimension $p/9$ is also shown. A detail view of the chamfer shows a 60° angle and a chamfer width g , with a note stating 'chamfer sized to outer diameter of thread'. The total length of the shaft is h .

* Position 2 Disc

The diagram shows a cross-sectional view of the Position 2 Disc. It features a central hole with a diameter of $\varnothing p$ and a thickness of n . The disc is mounted on a shaft with a diameter of $\varnothing q$. The outer diameter of the disc is $\varnothing o - 0.1$. The disc is shown with a hatched pattern to indicate its material.

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

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

BS-series worm-geared motors

Additional Dimension Sheet

Assembly tools for hollow shaft and keyway

Position 3 Sleeve

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

* Position 4 Stud bolt

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							
BS03	19.8	24	5	11	M8	-	120	90	18	M6	20x1.0	M6	6.4	M6x25	5	M8x110	A 8x7x63
BS04	19.8	24	5	11	M8	-	120	90	18	M6	20x1.0	M6	6.4	M6x25		M8x110	A 8x7x56
BS06	19.8	24	5	15.4	M12	0.8	150	120	20	M8	25x1.2	M8	8.4	M8x30		M12x140	A 8x7x80
BS10	29.8	28	5	19.8	M14	0.8	210	175	23	M10	30x1.2	M10	10.5	M10x30	8	M14x190	A 8x7x140
BS20	34.9	28	5	23	M14	-	250	215	23	M10	35x1.5	M10	10.5	M10x35		M14x230	A 10x8x160
BS30	39.9	40	6	27.7	M20	0.8	280	240	28	M12	40x1.75	M12	13	M12x35	16	M20x270	A 12x8x200
BS40	59.8	60	6	44	M30	-	320	260	45	M20	60x2.0	M20	21	M20x50	42	M30x310	A 18x11x200

The parts shown are 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!

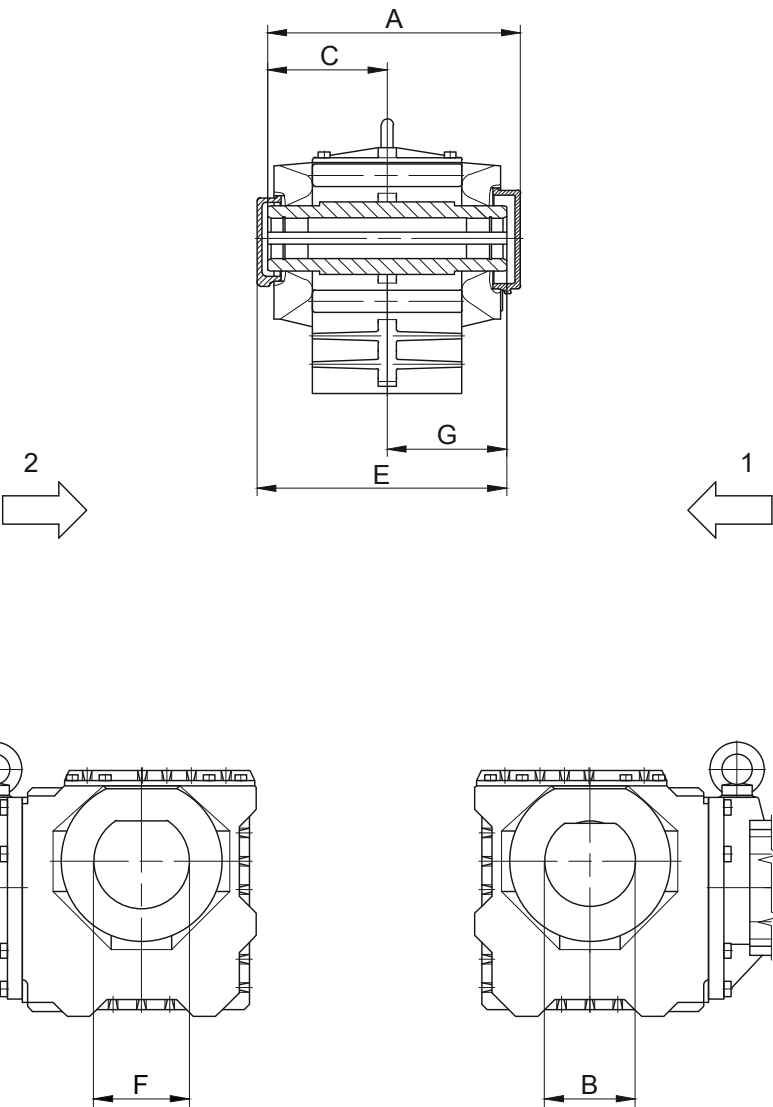
Optional

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

BS-series worm-gearred motors

Additional Dimension Sheet

Shaft cap (VK)



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

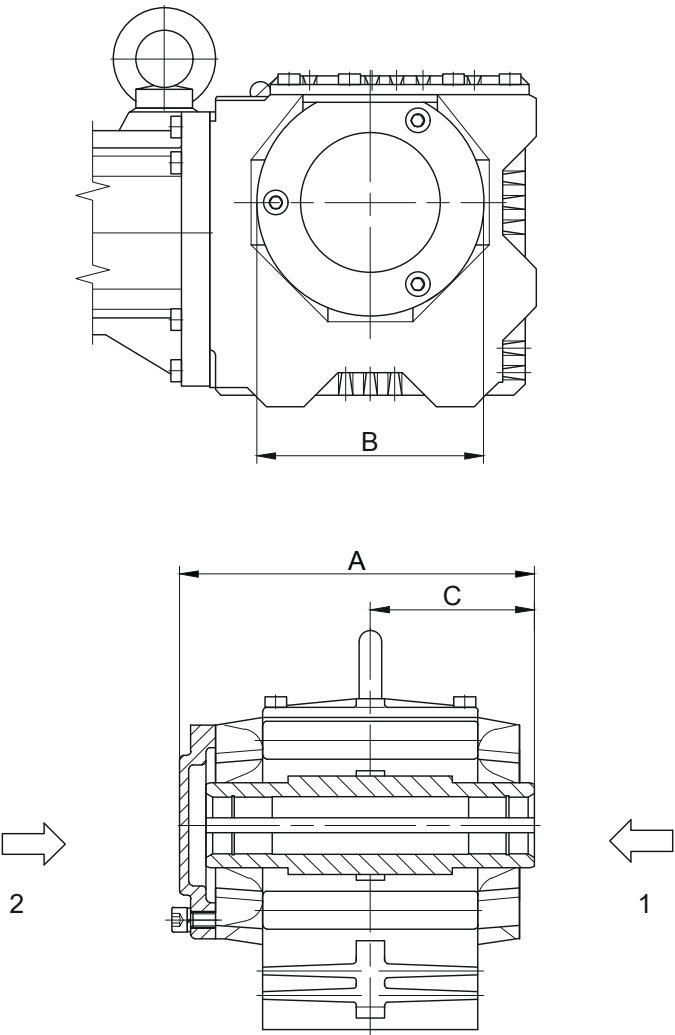
Sealing cap REAR (H)			
Type	A	B	C
BS10	186	68	87
BS30	250.5	100	132
BS40	276	130	128
Dimensions in millimetres (mm)			

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

BS-series worm-geared motors

Additional Dimension Sheet

Shaft cover (VD)



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

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

