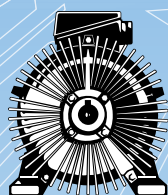




SNÄCKVÄXLAR WORM GEARBOXES

BSV



BEVI®

Excellence in Electric Drives and Power Generation

SNÄCKVÄXLAR MED TILLBEHÖR / WORM GEARBOXES WITH OPTIONS

Typ / Type	Pris / Price	Hållaxel Holeshaft (Option) Ø mm	Utgående axel / Output shaft		Momentstag Torque arm TA Pris / Price	Utgående Fläns Output Flange F, FA, FB, FC, FD, FE Pris / Price	Extern ingående axel Wormshaft extension VS Pris / Price	Skyddslock Protective cover C Pris / Price
			Enkel / Single AS Pris / Price	Dubbel / Double AD Pris / Price				
BSV 025*	1.010:–	11	115:–	175:–	335:–	70:–	45:–	
BSV 030*	1.050:–	14	120:–	185:–	340:–	75:–	45:–	20:–
BSV 040*	1.350:–	18 (19)	200:–	250:–	345:–	95:–	85:–	20:–
BSV 050*	1.710:–	25 (24)	240:–	375:–	355:–	120:–	85:–	20:–
BSV 063*	2.215:–	25 (28)	310:–	420:–	430:–	155:–	85:–	35:–
BSV 075*	2.470:–	28 (35)	345:–	465:–	465:–	175:–	170:–	40:–
BSV 090*	3.400:–	35 (38)	430:–	545:–	580:–	235:–	170:–	40:–
BSV 110	5.310:–	42	585:–	720:–	710:–	370:–	210:–	55:–
BSV 130	8.625:–	45	985:–	1.210:–	815:–	600:–	210:–	75:–

Priser i SEK / Prices in SEK

Kontakta BEVI för CAD-ritningar / Contact BEVI for CAD-drawings

Val av Snäckväxel / Advice of gearbox

Typ / Type 1400 r/m	R=1: r/m	5 280	7,5 187	10 140	15 93	20 70	25 56	30 47	40 35	50 28	60 23	80 18	100 14
BSV 025*	kW	0,09	0,09	0,09	0,09	0,09	–	0,09	0,06	0,06	0,06	–	–
	Nm	3	4	5	7	9	–	13	13	11	15	–	–
	Sf	4,1	2,8	2,4	1,6	1,3	–	1,0	1,3	1,0	0,7	–	–
	Art. nr	113066	112986	112987	112988	112989	–	112990	112991	112992	112993	–	–
BSV 030*	kW	0,18	0,18	0,18	0,18	0,18	0,18	0,12	0,09	0,09	0,06	0,06	–
	Nm	5	7	10	14	18	21	16	14	17	12	15	–
	Sf	3,4	2,2	1,6	1,2	1,0	1,0	1,3	1,2	1,0	1,3	0,8	–
	Art. nr	113067	112994	112995	112996	112997	112998	112999	113000	113001	113002	113003	–
BSV 040*	kW	0,37	0,37	0,37	0,25	0,25	0,25	0,25	0,25	0,18	0,12	0,12	0,12
	Nm	11	16	27	19	26	31	35	44	38	28	34	38
	Sf	3,0	1,6	1,3	1,3	1,4	1,1	1,1	0,9	1,0	1,2	1,0	0,8
	Art. nr	113068	113004	113005	113006	113007	113008	113009	113010	112915	113011	113012	113013
BSV 050*	kW	0,75	0,75	0,75	0,75	0,55	0,55	0,55	0,37	0,37	0,25	0,18	0,12
	Nm	23	33	42	58	59	71	81	67	80	60	51	40
	Sf	2,7	1,7	1,3	1,0	1,2	1,0	1,0	1,1	0,9	1,1	1,2	1,3
	Art. nr	113069	113015	113016	113017	113018	113019	113020	113021	113022	113023	113024	113025
BSV 063*	kW		1,5	1,5	1,1	1,1	0,75	0,75	0,75	0,55	0,37	0,37	0,25
	Nm		68	88	92	121	99	113	141	124	94	115	87
	Sf		1,5	1,2	1,2	1,0	1,3	1,4	1,0	1,1	1,3	1,1	1,3
	Art. nr		113026	113027	113039	113029	113030	113031	113032	113033	113034	113035	113036
BSV 075*	kW		4,0	3	2,2	1,5	1,5	1,5	1,1	0,75	0,75	0,55	0,55
	Nm		180	180	191	163	205	229	216	180	190	190	206
	Sf		1,0	1,1	1,0	1,1	1,0	0,9	1,0	1,1	1,0	1,0	0,9
	Art. nr		112916	113037	113038	113040	113041	113047	113048	113049	113050	113051	113052
BSV 090*	kW		4,0	4,0	3,0	3,0	2,2	2,2	1,5	1,1	1,1	0,75	0,55
	Nm		180	236	256	343	308	351	295	246	310	248	221
	Sf		1,3	1,1	1,2	1,0	1,0	1,2	1,1	1,2	1,0	1,1	1,2
	Art. nr		112917	113055	113056	113057	113058	113059	113060	113062	113063	113064	113065
BSV 110	kW		7,5	7,5	5,5	4,0	4,0	3	2,2	2,2	1,5	1,1	0,75
	Nm		345	455	484	464	574	485	467	562	441	401	322
	Sf		1,4	1,1	1,2	1,1	1,1	1,2	1,2	1,0	1,1	1,0	1,3
	Art. nr		Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244
BSV 130	kW		7,5	7,5	7,5	5,5	5,5	5,5	4,0	3,0	3,0	2,2	1,5
	Nm		343	453	664	633	787	900	851	752	884	816	658
	Sf		1,8	1,5	1,1	1,0	1,0	1,1	1,2	1,2	1,0	1,0	1,1
	Art. nr		Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244	Z3244

* Lagervara på BEVI / Stock items at BEVI

Storlek 110–130 finns enbart med B5-fläns / Size 110-130 is in B5-execution

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RÅD VID VAL AV SNÄCKVÄXLAR / ADVICE WHEN SELECTING GEARBOXES

🇸🇪 Följande faktorer skall beaktas vid val av rätt växel för en given applikation:

- Typ av maskin
- Omgivningstemperatur
- Omgivning (damm, fukt, syra, frost, tropisk värme etc.)
- Drivmotor (typ, egenskaper)
- Typ av koppling mellan drivmotor/växel, dvs rem, friktion, direkt eller variabel hastighet
- Önskat utgående vridmoment som fordras vid utgående axel
- Ingående-, utgående varvtal
- Monteringslägen
- Servicefaktor (se tabell)

Servicefaktor

Servicefaktorn bestäms av följande egenskaper:

- Arbetade timmar per dag
- Arbetsbelastning
- Livslängd
- Arbetscykel

🇬🇧 What to take into account when selecting the gearbox for a given application:

- Type of machine
- Temperature
- Environment (dust, damp, acid, frost, tropical heat etc.)
- Type of drivemotor (characteristic)
- Type of connection between motor and gearbox
- Required output torque
- Input-, output speed
- Mounting pos
- Service factor Sf (see table)

Service factor

Following points to get right servicefactor:

- Working hour per day
- Type of load
- Lifetime
- Working cycle

🇸🇪 Underhåll

Snäckväxlarna är vid leveransen fyllda med syntetolja av typ ISO VG 320 och behöver därmed ej någon ytterligare tillsyn.

Om växellådan tas ur bruk en längre tid i en fuktig miljö, föreslår vi att den fylls helt med olja.

När växellådan åter skall tas i bruk är det nödvändigt att oljenivån återställs.

🇬🇧 Maintenance

Wormgearboxes are filled with synthetic long-life oil ISO VG 320 and no need to change.

If gearbox are taken out of operation a long time in a high humidity they should be fully filled with oil.

When they shall be started again the oil level must be restored to the correct level.

Typ / Type	Kg	Olja / Oil	Liter
025	0,7		0,02
030	1,2		0,04
040	2,3		0,08
050	5,5		0,15
063	6,2		0,3
075	9		0,55
090	13		1,0
110*	35	(B3)	3
110*	35	(B8)	2,2
110*	35	(B6-B7)	2,5
110*	35	(V5)	3
130*	48	(B3)	4,5
130*	48	(B8)	3,3
130*	48	(B6-B7)	3,5
130*	48	(V5)	4,5

* Luftplugg / Ventplug

Servicefaktor / Service factor $Sf = F_1 \times F_2 \times F_3$

F ₁	a	b	c	d	F ₂	e	F ₃
< 2 h	1,0	1,5	1,75	10000	0,8	6	1,0
2-8 h	1,25	1,75	2,0	15000	1,0	60	1,2
8-24 h	1,75	2,0	2,25	20000	1,4	120	1,4

a = Jämn belastning / Uniform load

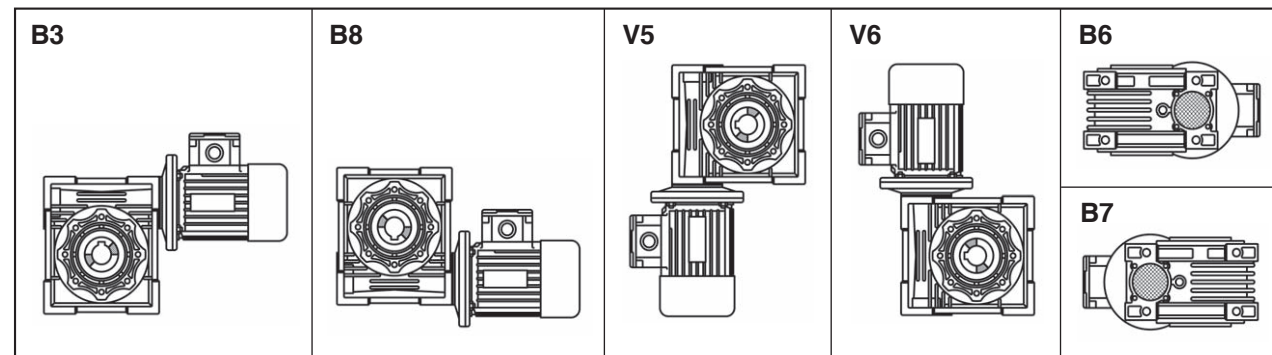
b = Varierande belastning / Variable load

c = Mycket varierande belastning / Shock load

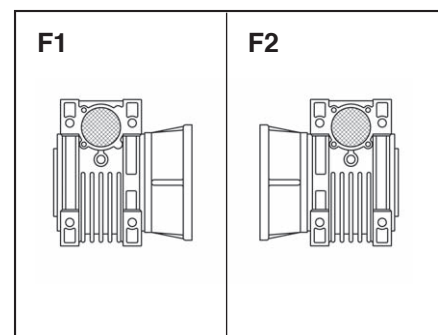
d = Önskad livslängd / Required lifetime

e = Start/Stop per timme / Start/stops per hour

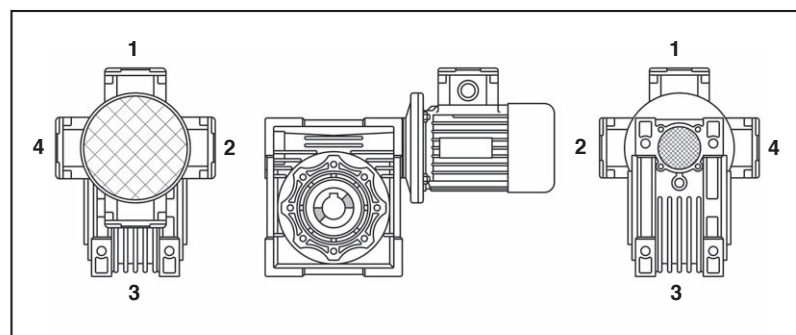
Monteringsanvisningar / Mounting positions



Flänsmontering / Flange pos

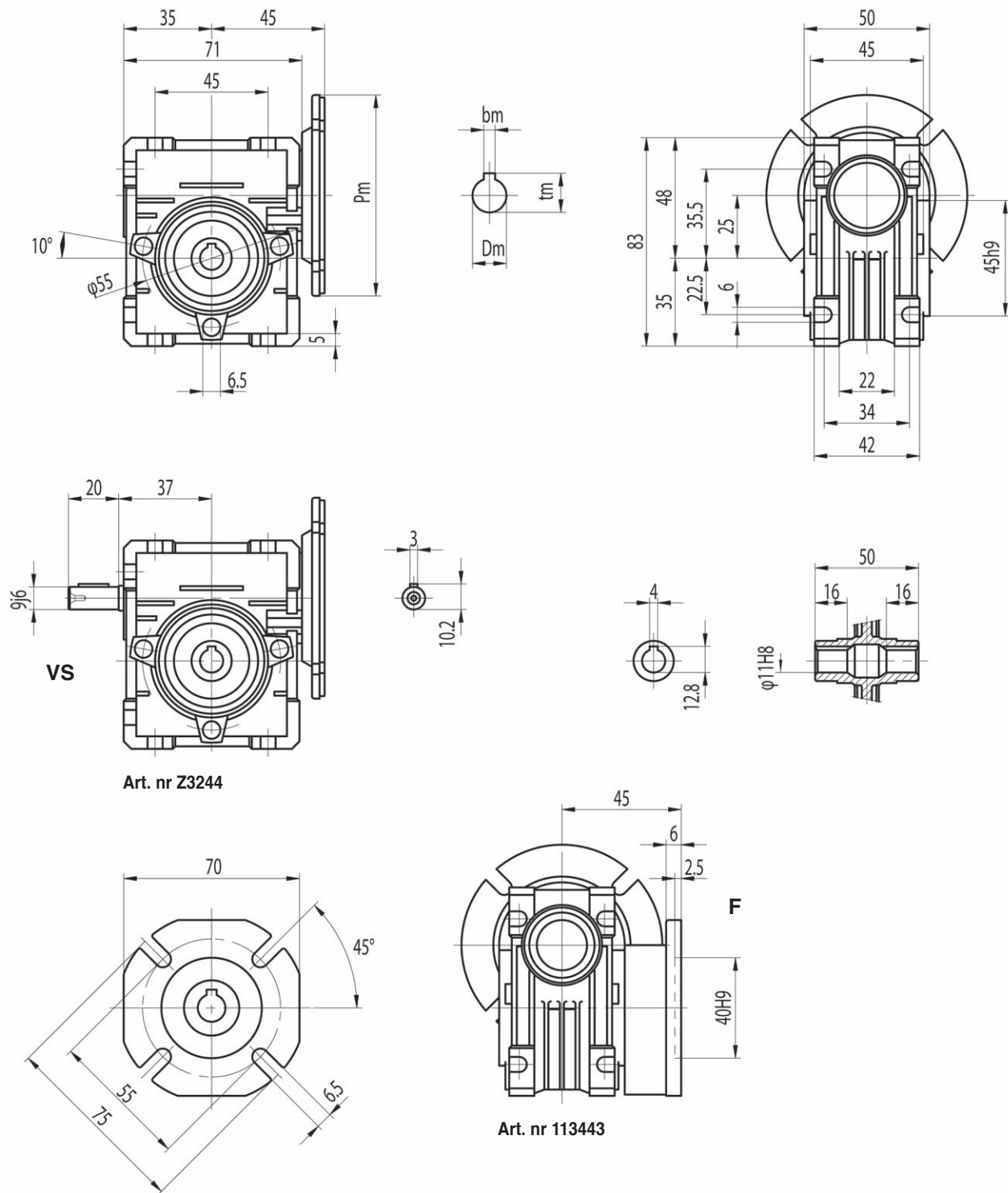


Uttagslådemontering / Terminal box position

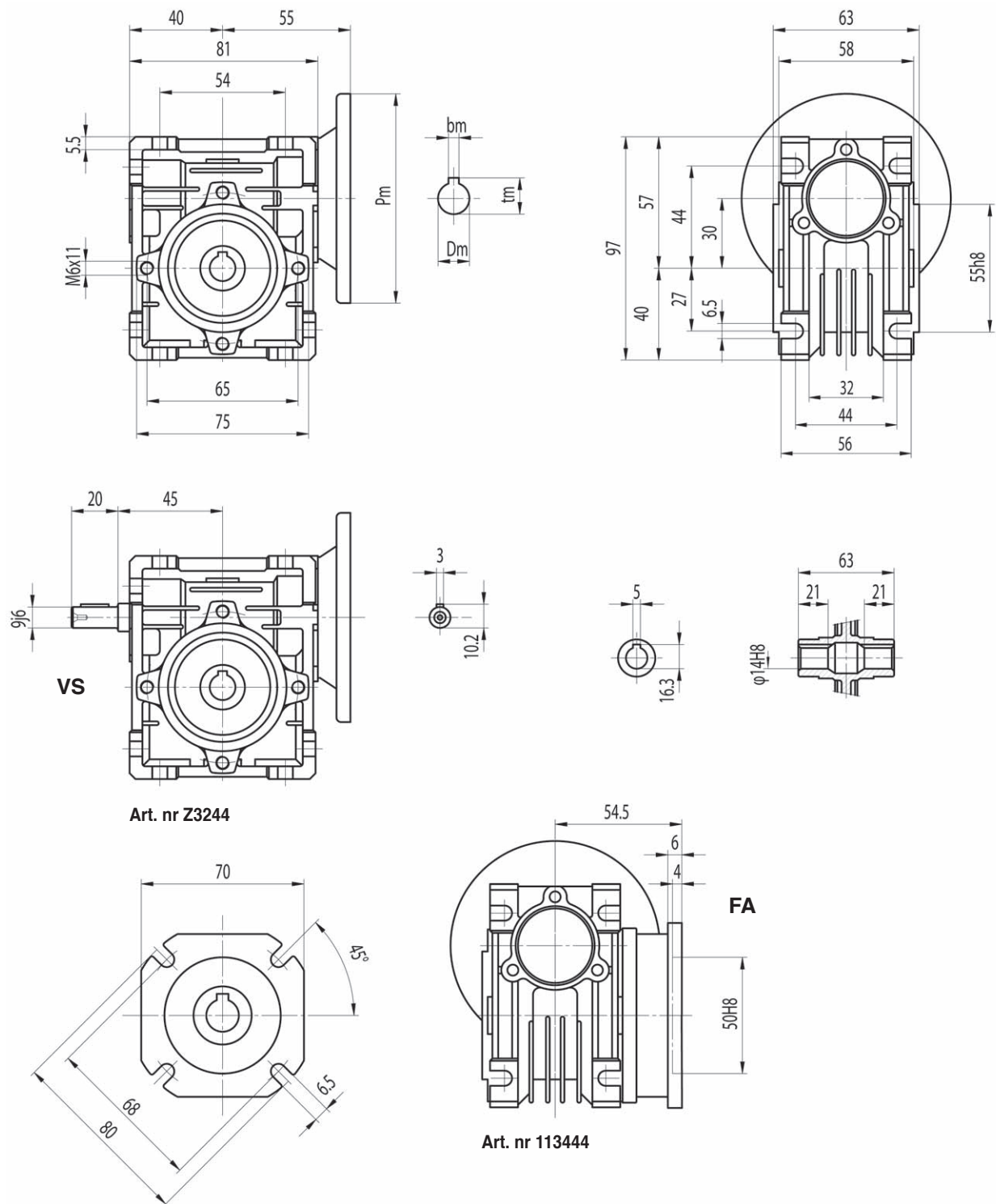


DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 025

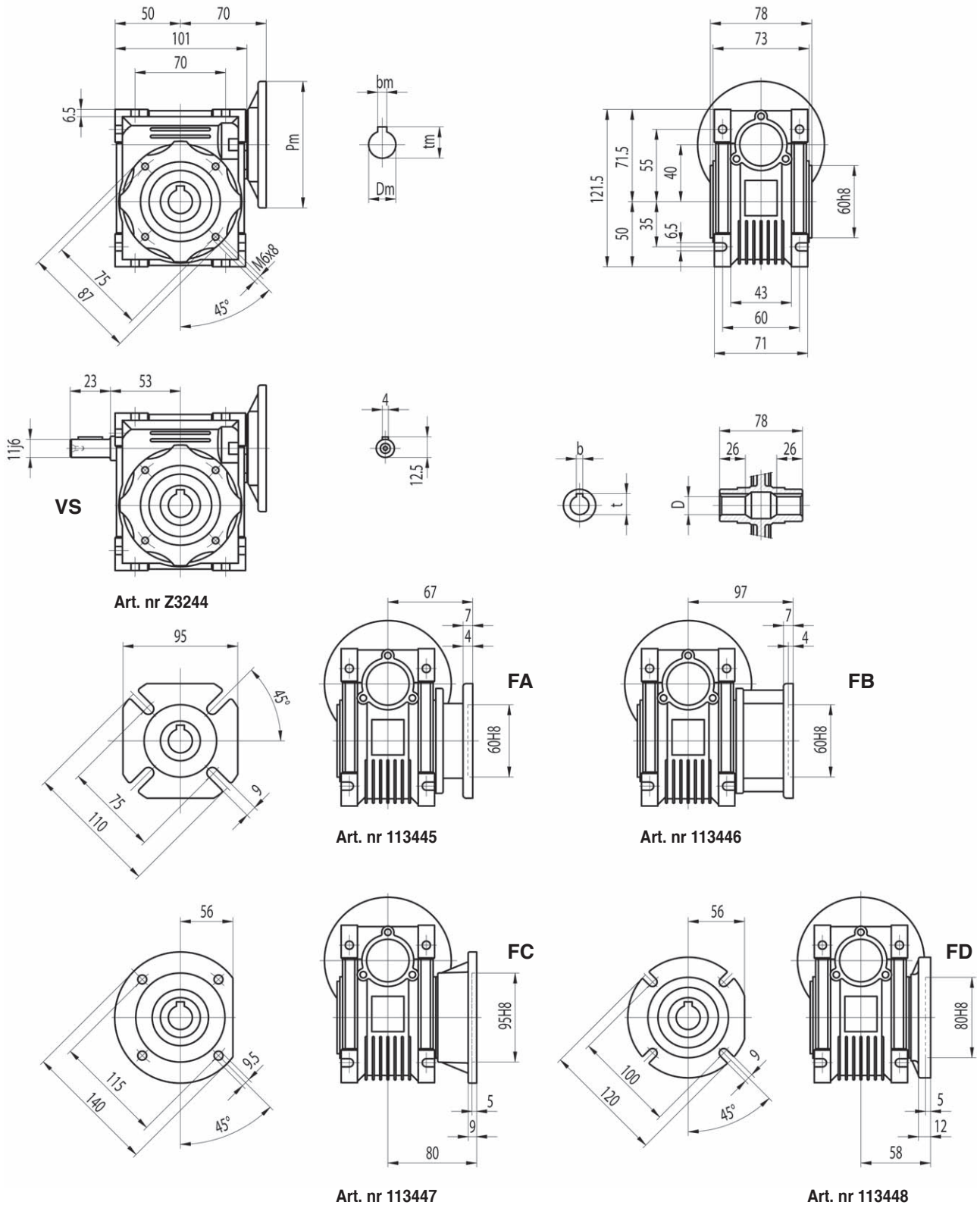


DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 030

DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 040



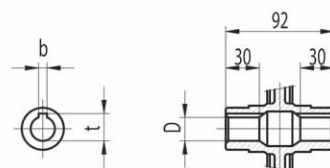
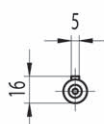
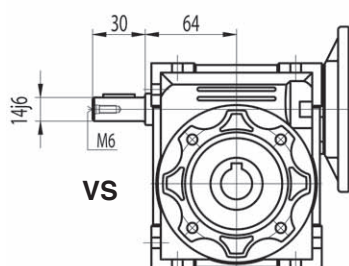
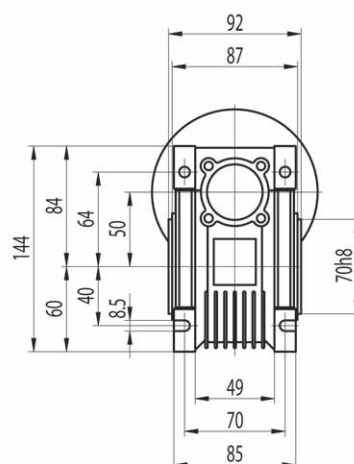
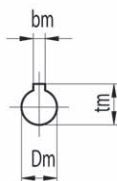
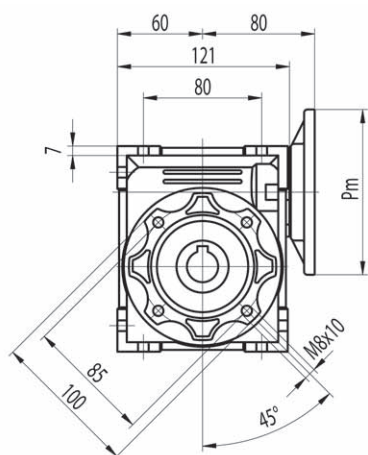
Utgående hållaxel / Output holeshaf		
D H8	b	t
18	6	20,8
(19)	(6)	(21,8)

(Option)

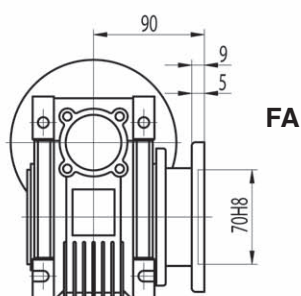
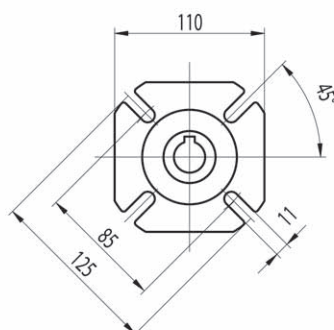
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DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

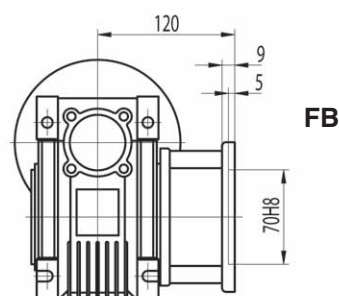
BSV 050



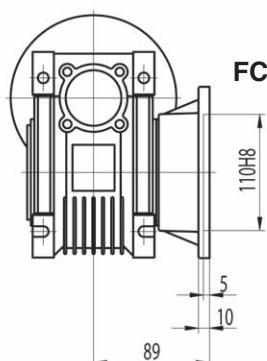
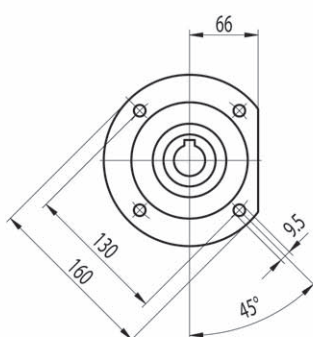
Art. nr Z3244



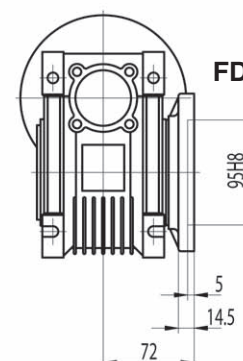
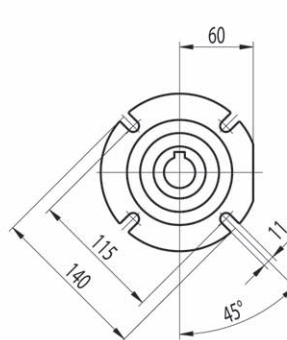
Art. nr 113449



Art. nr 113450



Art. nr 113451



Art. nr 113452

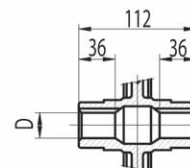
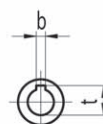
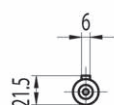
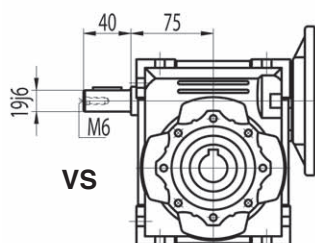
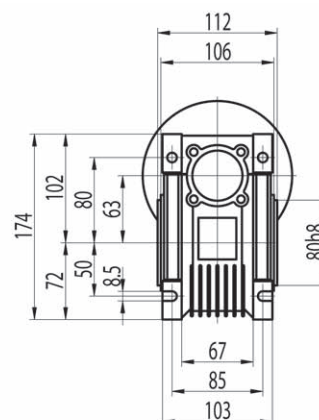
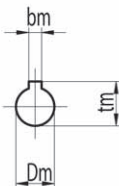
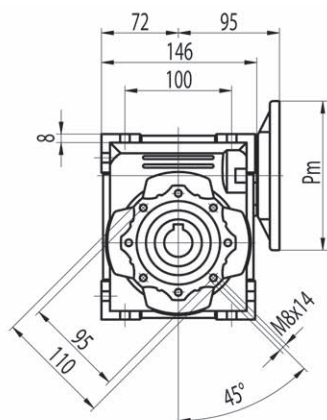
Utgående hållaxel / Output holeshaf		
D H8	b	t
25	8	28,3
(24)	(8)	(27,3)

(Option)

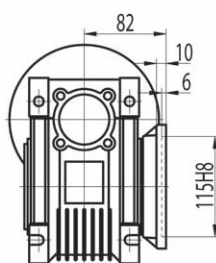
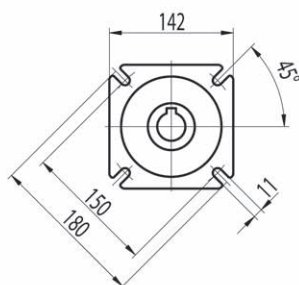
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DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

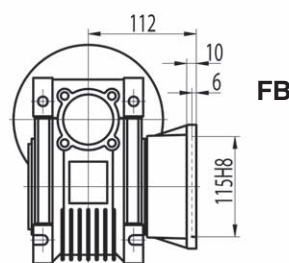
BSV 063



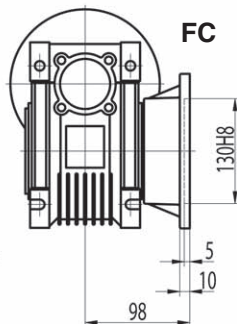
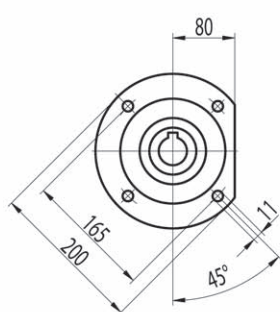
Art. nr Z3244



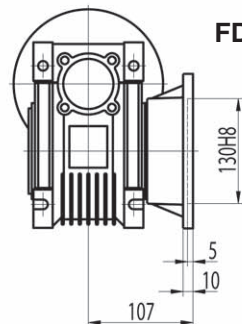
Art. nr 113453



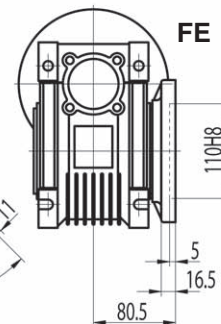
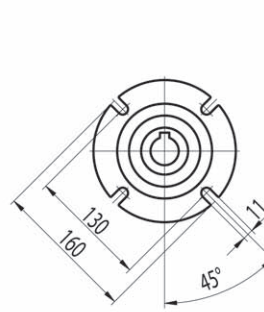
Art. nr 113454



Art. nr 113455



Art. nr 113456



Art. nr 113457

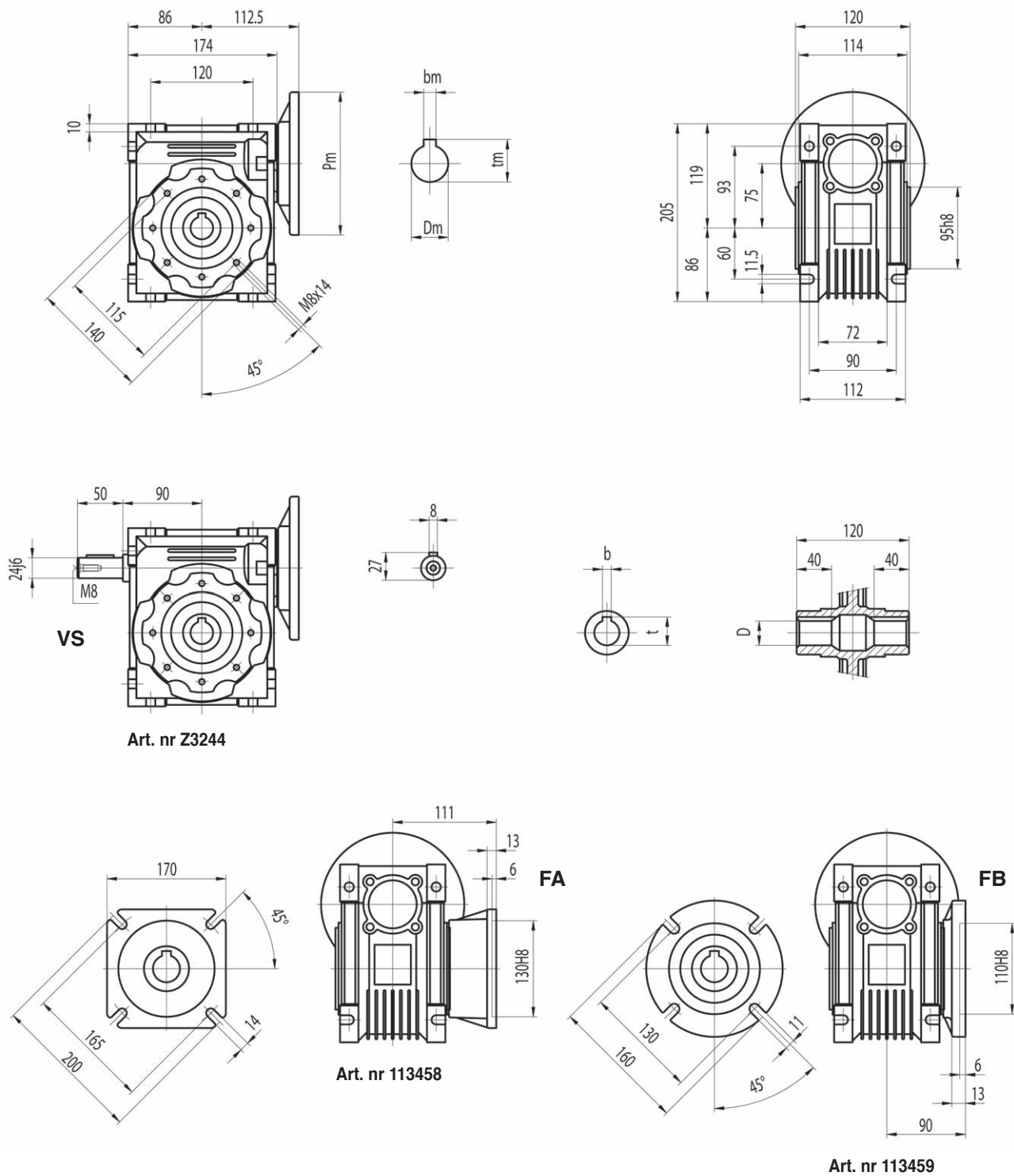
Utgående hållaxel / Output holeshaf		
D H8	b	t
25	8	28,3
(28)	(8)	(31,3)

(Option)

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DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 075



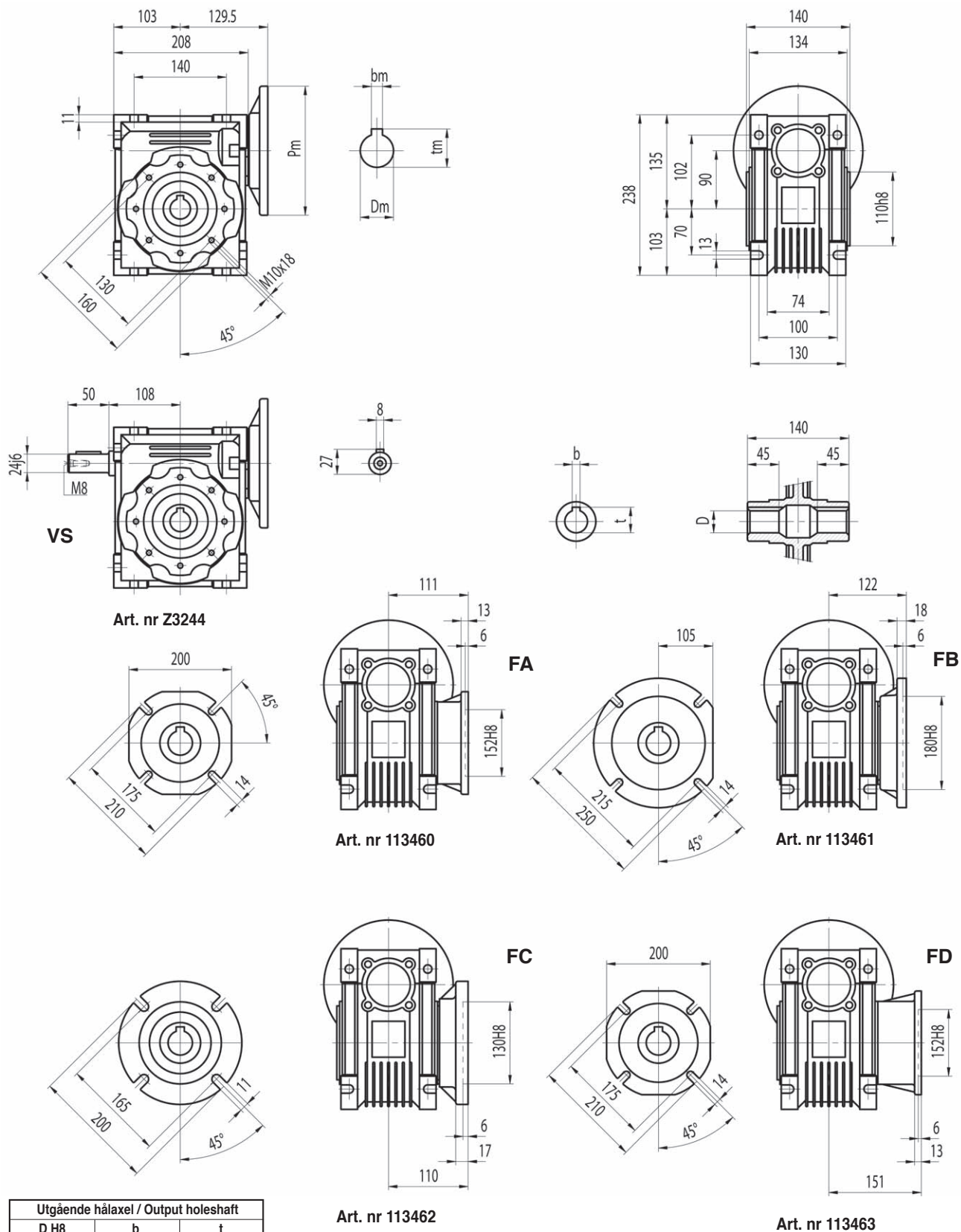
Utgående hållaxel / Output holeshaf		
D H8	b	t
28	8	31,3
(35)	(10)	(38,3)

(Option)

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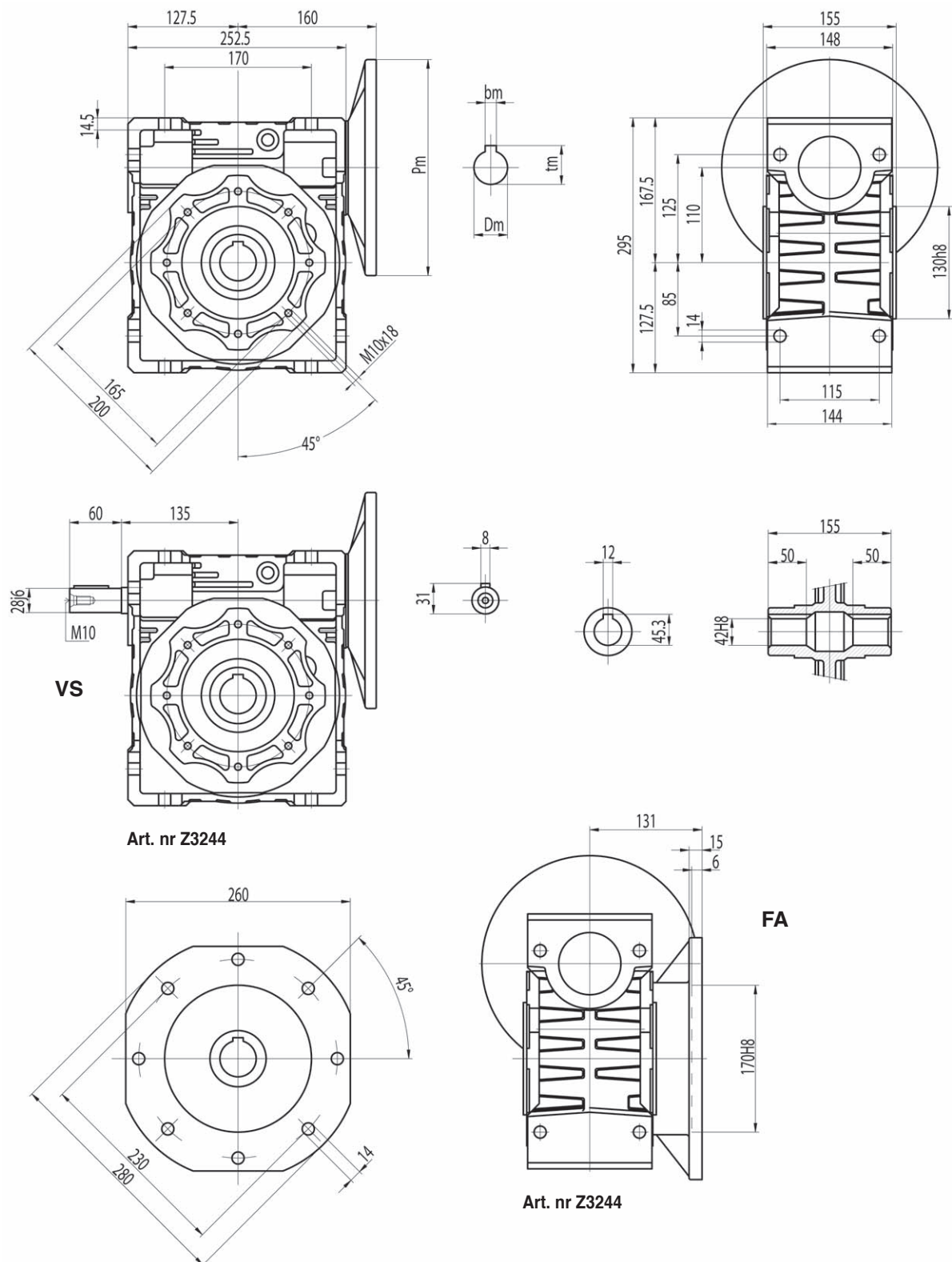
DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 090



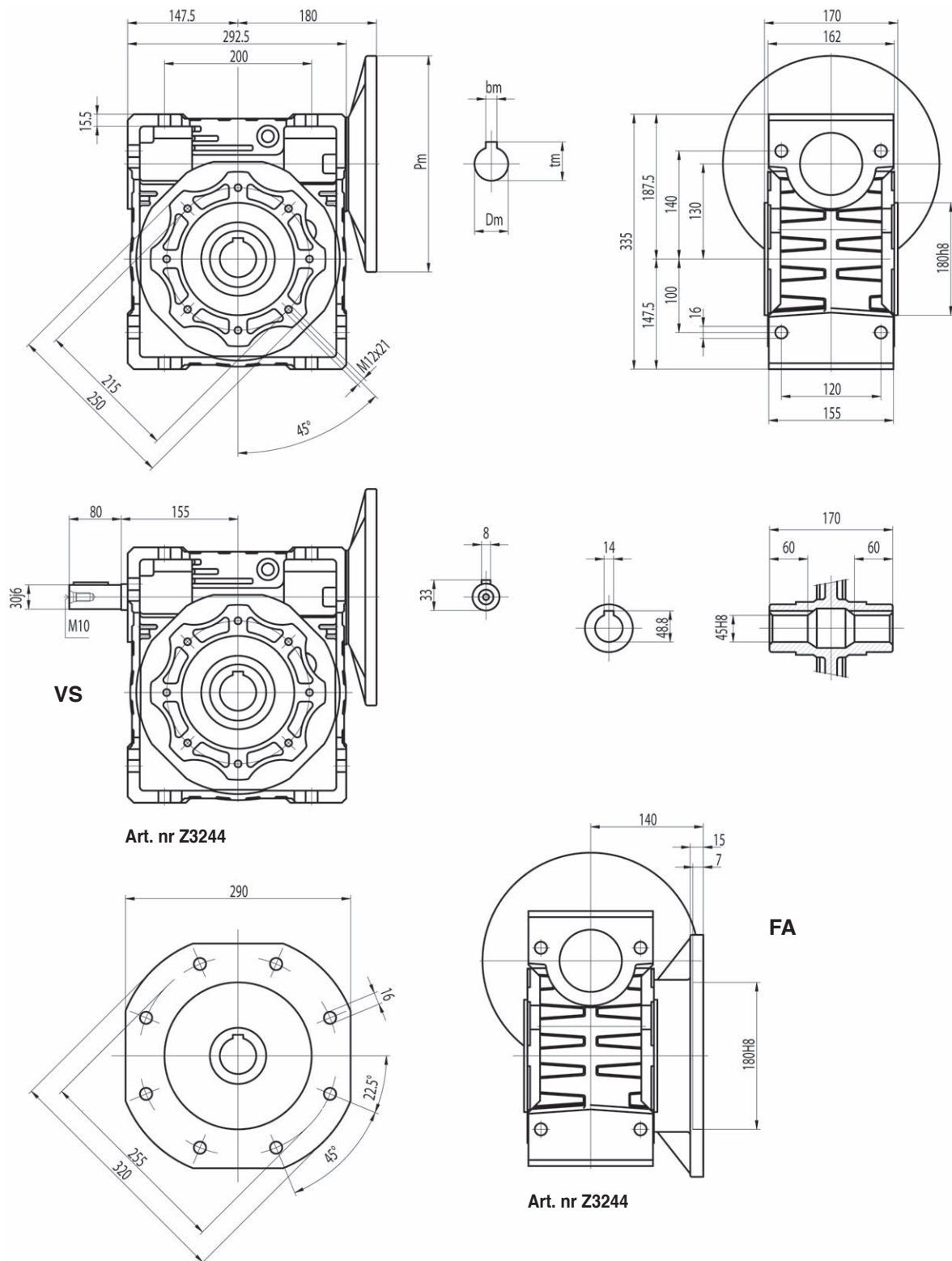
DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 110



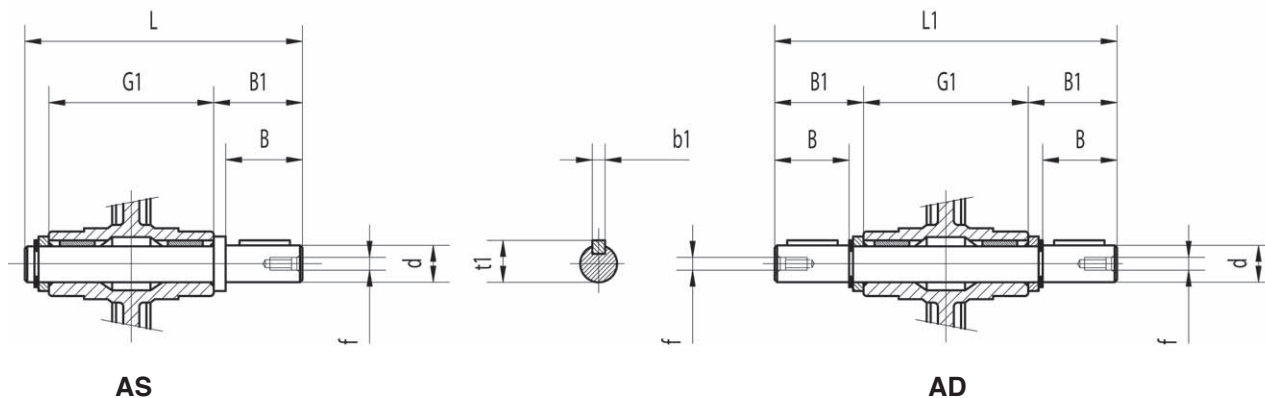
DIMENSIONER SNÄCKVÄXLAR / DIMENSIONS WORM GEARBOXES

BSV 130



TILLBEHÖR SNÄCKVÄXLAR / OPTIONS WORM GEARBOXES

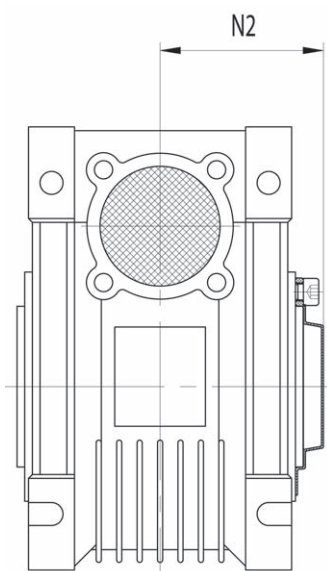
Enkel och dubbel utgående axel AS, AD / Single and double output shaft AS, AD



Typ / Type	d	B	B1	G1	L	L1	f	b1	t1	Art. nr AS	Art. nr AD	Pris / Price AS	Pris / Price AD
025	11g6	23	25,5	50	81	101	—	4	12,5	113401	113423	115:–	175:–
030	14g6	30	32,5	63	102	128	M6	5	16	113417	113424	120:–	185:–
040	18h6	40	43	78	128	164	M6	6	20,5	113418	113425	200:–	250:–
050	25h6	50	53,5	92	153	199	M10	8	28	113419	113426	240:–	375:–
063	25h6	50	53,5	112	173	219	M10	8	28	113420	113427	310:–	420:–
075	28h6	60	63,5	120	192	247	M10	8	31	113421	113428	345:–	465:–
090	35h6	80	84,5	140	234	309	M12	10	38	113422	113429	430:–	545:–
110	42h6	80	84,5	155	249	324	M16	12	45	Z3244	Z3244	585:–	720:–
130	45h6	80	85	170	265	340	M16	14	48,5	Z3244	Z3244	985:–	1210:–

Priser i SEK / Prices in SEK
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Skyddslock C / Protective cover C

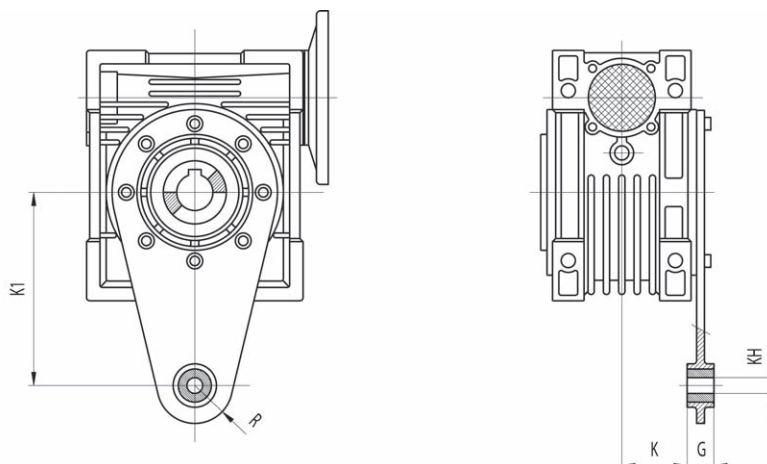


Typ / Type	N2	Art. nr C	Pris / Price
030	42	113437	20:–
040	50	113438	20:–
050	58	113439	20:–
063	69	113440	35:–
075	74	113441	40:–
090	86	113442	40:–
110	91	Z3244	55:–
130	102	Z3244	75:–

Priser i SEK / Prices in SEK
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TILLBEHÖR SNÄCKVÄXLAR / OPTIONS WORM GEARBOXES

Momentstag TA / Torque arm TA



Typ / Type	K1	G	K	KH	R	Art. nr TA	Pris / Price
025	70	14	17,5	8	15	113430	335:–
030	85	14	24	8	15	113431	340:–
040	100	14	31,5	10	18	113432	345:–
050	100	14	38,5	10	18	113433	355:–
063	150	14	49	10	18	113434	430:–
075	200	25	47,5	20	30	113435	465:–
090	200	25	57,5	20	30	113436	580:–
110	250	30	62	25	35	Z3244	710:–
130	250	30	69	25	35	Z3244	815:–

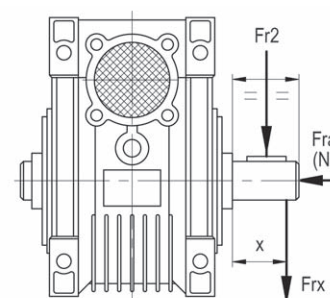
Priser i SEK / Prices in SEK

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Tillåten radialbelastning på utgående axel (N) BSV 025-130

Allowed loading force on the midpoint of output shaft (N) BSV 025-130

n2	BSV 025	BSV 030	BSV 040	BSV 050	BSV 063	BSV 075	BSV 090	BSV 110	BSV 130
400	390	530	1020	1400	1830	2160	2390	3020	3950
250	460	620	1200	1650	2150	2520	2800	3530	4610
150	550	740	1420	1960	2540	2990	3310	4180	5470
100	630	850	1620	2250	2910	3430	3800	4790	6260
60	740	1000	1920	2660	3450	4060	4500	5680	7420
40	850	1150	2200	3050	3950	4650	5150	6500	8500
25	990	1350	2570	3570	4620	5440	6020	7600	9940
10	1350	1830	3490	4840	6270	7380	8180	10320	13500
a	50	65	84	101	120	131	162	191	203
b	38	50	64	76	95	101	122	151	163



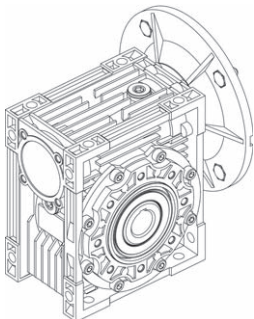
$$F_{ra} = 0,2 \times F_{r2} \quad F_{rx} = F_r \frac{a}{b+x}$$

n2 = Utgående varvtal / Output speed

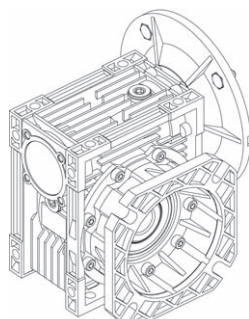
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SNÄCKVÄXLELUTFÖRÄNDEN / WORM GEARBOXES VERSIONS

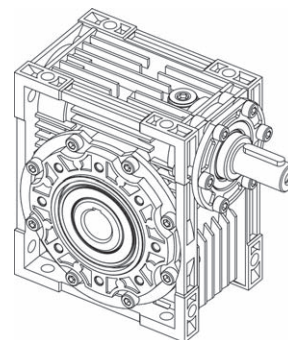
BSV 025-130



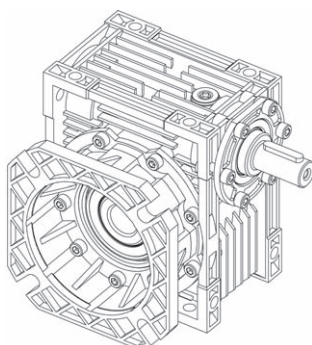
BSV 025-130 F



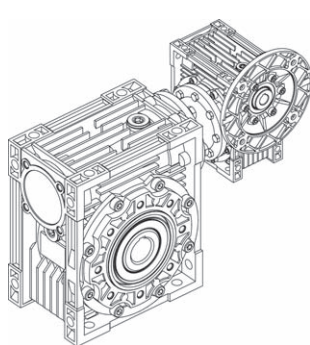
BV 025-130



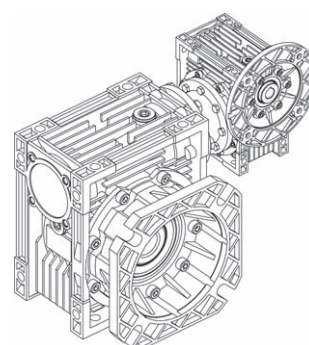
BV 025-130 F



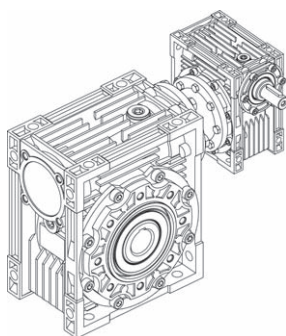
BSV-BSV 025-130



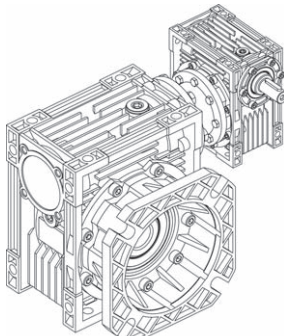
BSV-BSV 025-130 F



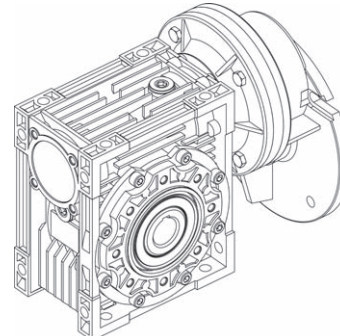
BV-BV 025-130



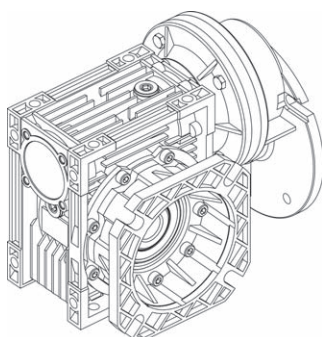
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PC-BSV 063/040-090/130

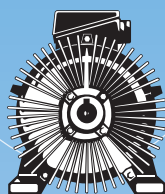


PC-BSV 063/040-090/130 F



**Följande drifter kan offereras på begäran.
Kontakta BEVI för mer information.**

**Following duties can be offered.
Contact BEVI for more information.**



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