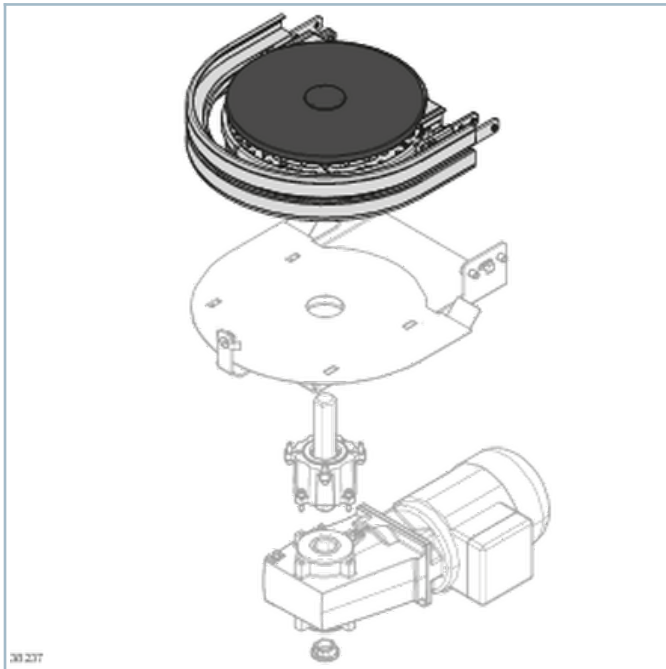
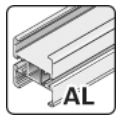


Basic unit curve wheel drive AL ESD



- Driving several superimposed basic curve wheel units is easily implemented via the integrated hexagonal hollow shafts
- Ball bearing made of non-rusting steel (1.4301), with seal on both sides and FDA-compliant grease filling
- Side elements with slot to attach holders for lateral guides, or similar

Product description

The curve wheel drive AL ESD is used for driving the conveyor chain in circuit systems with a top-running chain. Combining the base unit curve wheel 180° AL ESD with the appropriate drive kit quickly turns it into a curve wheel.

- Size: 65 and 90
- Suitable chain types: All
- Permissible chain tensile force: $F_{\max} = 400 \text{ N}$ per level
- Section length for closed circuits: $L \leq 10 \text{ m}$
- Permissible torque: $M_{\max} = 60 \text{ Nm}$

When combining several curve wheel base units, the motor torque must be distributed across the individual levels

- Conveyor speed: $V_N = 4 \dots 21 \text{ m/min}$
On drives with a frequency converter (FU), the speed must be limited to a maximum of 21 m/min using control technology
- Recommendation: No accumulation operation until 1000 mm after the curve wheel drive
- Can only be used with a closed profile

Technical data

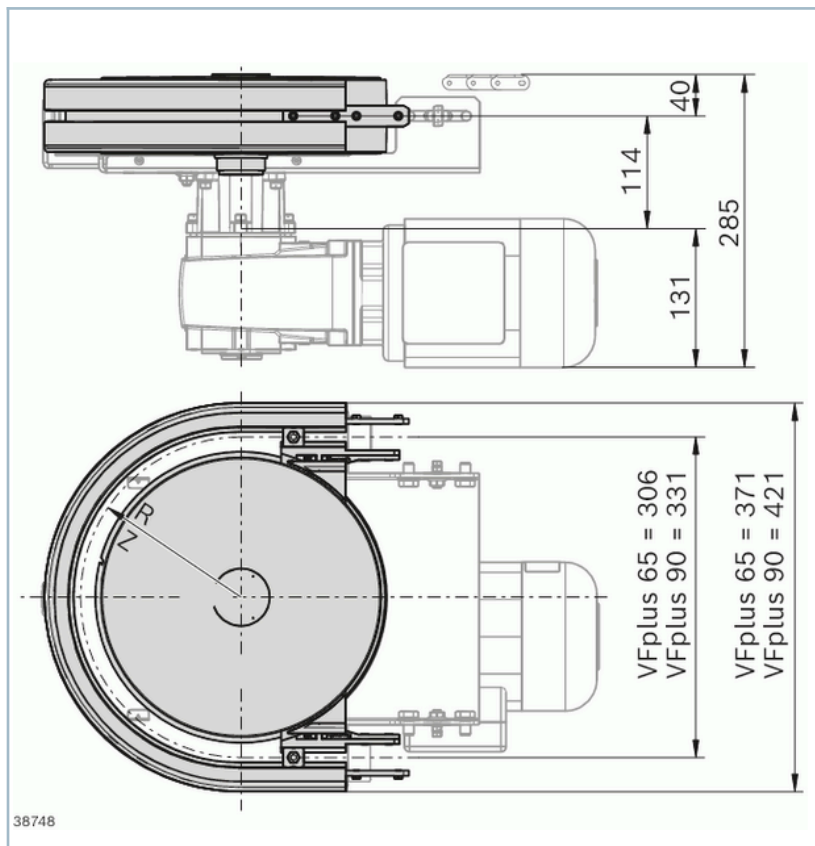
	Material
Basic unit curve wheel drive AL ESD VFplus 65 180°	Housing: Diecast aluminum Chain wheel: PA ESD; black Ball bearing: Non-rusting steel 1.4301/FDA
Basic unit curve wheel drive AL ESD VFplus 90 180°	
Drive kit curve wheel VFplus AL	Flange: Aluminum, die-cast Shaft: STS Connecting sheet, cover sheet: Steel, galvanized Ball catch coupling: Steel

Actual chain and sliding rail lengths of the components

		Actual chain length	Effective sliding rail length
		m	m
Basic unit curve wheel drive AL ESD VFplus 65 180°	3842553037	0,68	0,82
Basic unit curve wheel drive AL ESD VFplus 90 180°	3842553038	0,72	0,91
Drive kit curve wheel VFplus AL	3842998742		

Dimensions

Basic unit curve wheel drive AL ESD

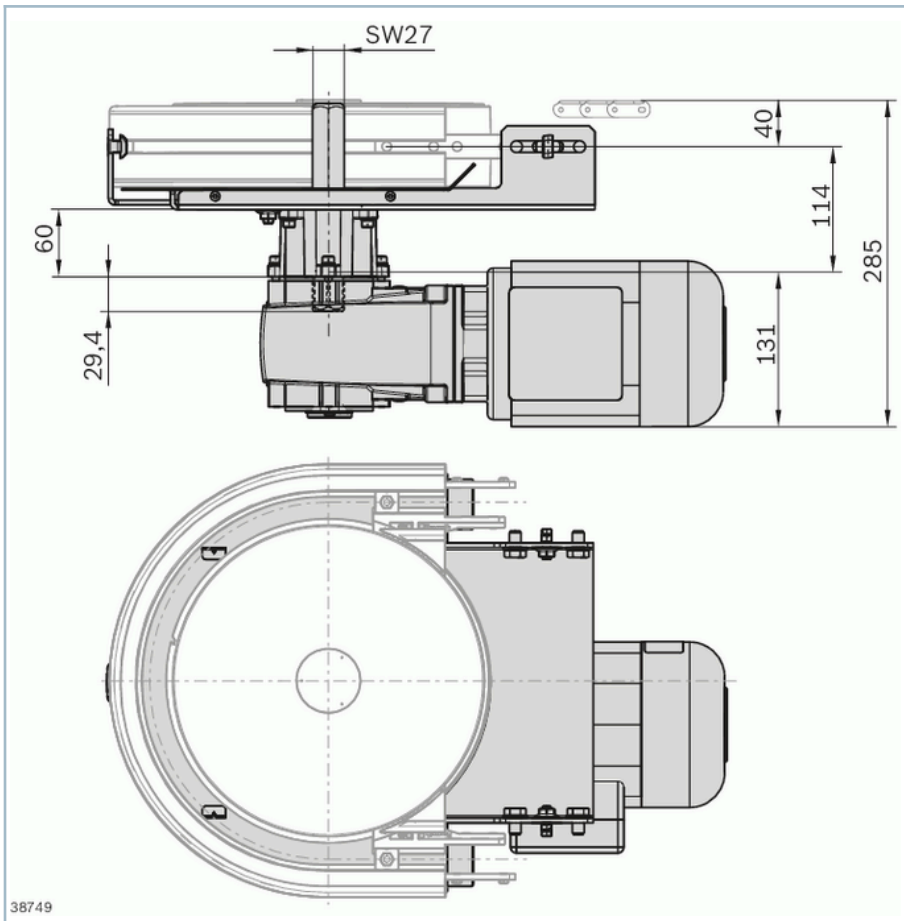


	R (mm)	Z
VFplus 65	153,0	28
VFplus 90	165,5	30

1) R = radius (mm)

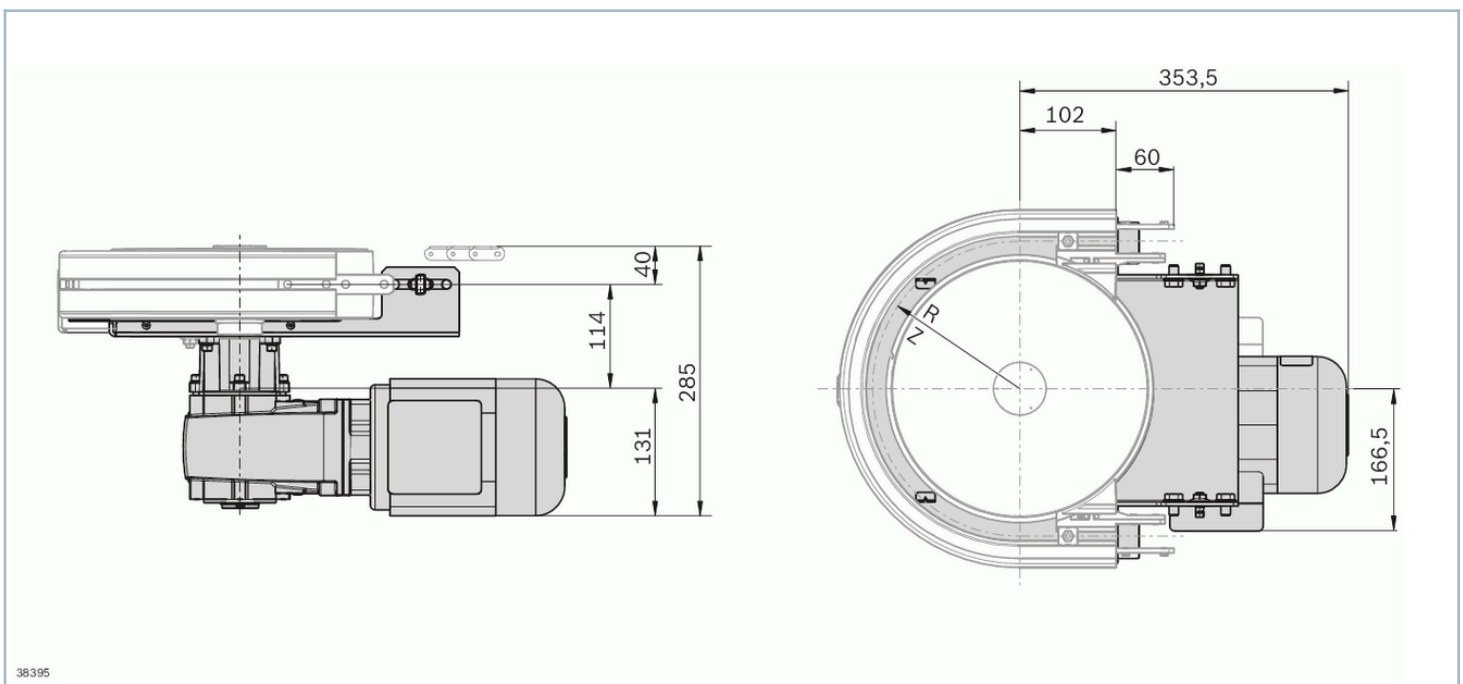
2) Z = number of teeth

Drive kit curve wheel VFplus AL

**Notice:**

The selection of parameter AC = 1 (alpine conveyor) is not permitted

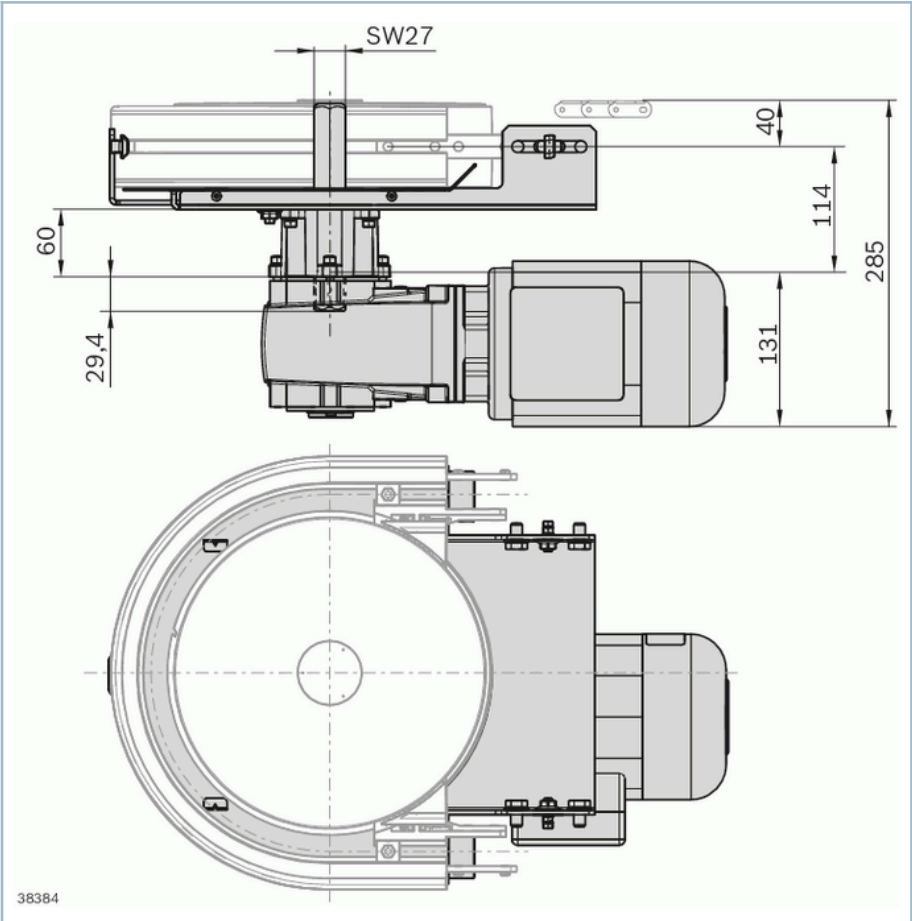
Drive kit curve wheel AL



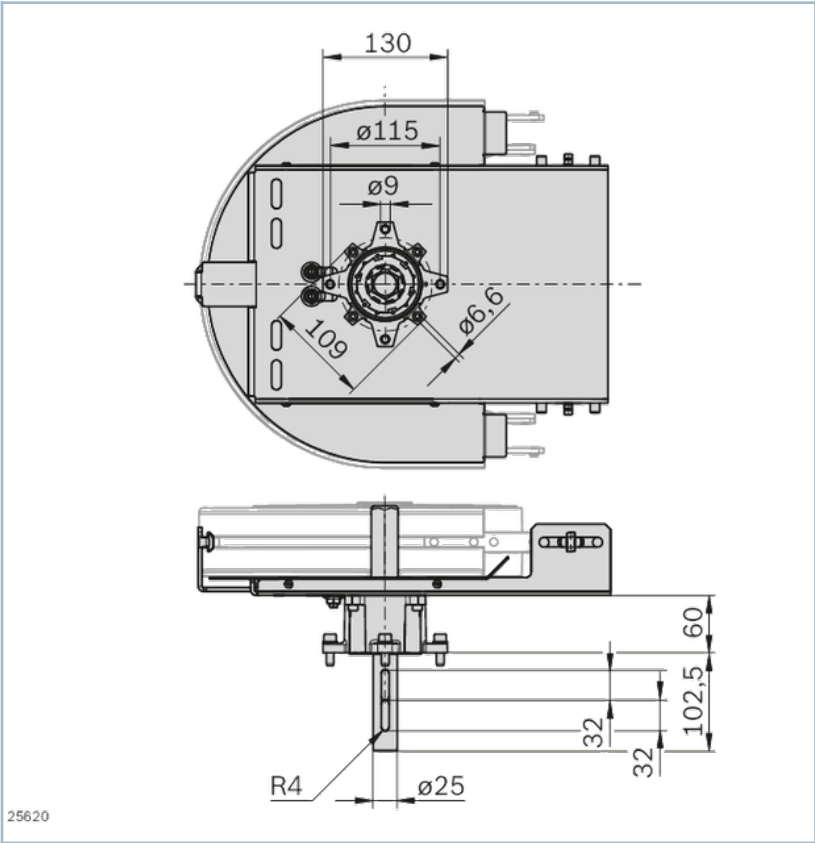
R = radius (mm)

Z = number of teeth

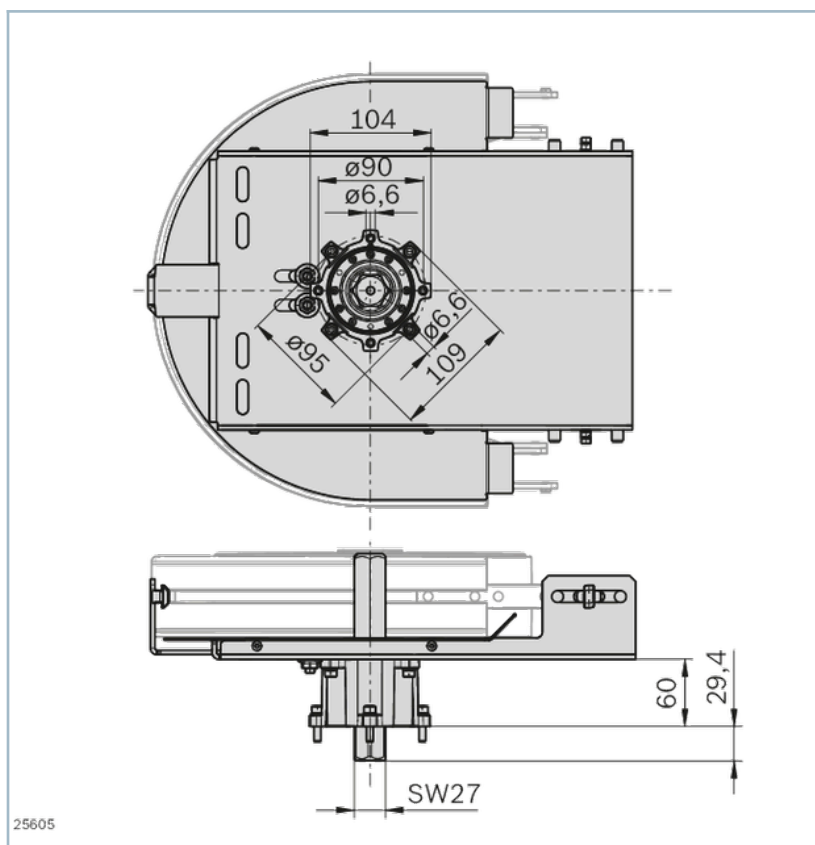
Drive kit curve wheel VFplus AL



Curve wheel drive AL GM = 2



Curve wheel drive AL GM = 0



Information

Note: Because sliding friction is involved with the transport medium (chain), static charges cannot be completely avoided. Depending on customer requirements, additional measures may be necessary.

Accessories

Required accessories

Drive kit curve wheel Motor support
Assembly module
Slide rail
Leg set

Recommended accessories

Connection kit alpine conveyor

Delivery notes

Condition of Delivery

Not assembled Assembly kit

Scope of delivery

Incl. fastening material

Incl. fender (contact protection from below)

Incl. flange, shaft and gear motor (GM = 1)

Ordering codes

	No.
Basic unit curve wheel drive AL ESD VFplus 65 180°	3842553037
Basic unit curve wheel drive AL ESD VFplus 90 180°	3842553038
Drive kit curve wheel VFplus AL	3842998742