

TARTLER

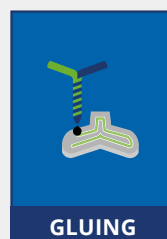
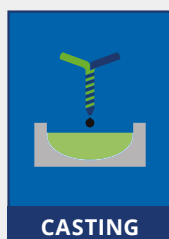


APPLICATION NOZZLE

FOR PASTE COMPOUNDS

Significant advantages in productivity and handling when coating large surfaces – Quickly apply an even and precise coat

for high viscosity and thixotropic pastes



APPLICATION NOZZLE

FOR HIGH VISCOSITY AND THIXOTROPIC PASTES

APPLICATION EXAMPLE

- Design model making
- Direct Molding
- Adhesive Technology



When applying construction or structural adhesives, it is possible to make application-specific cut-outs. The shape of the cut-out determines the geometry and cross-section of the applied adhesive material.



CNC nozzle for partially or fully automated processing of pastes with robotic systems.

For the application of high viscosity and thixotropic synthetic resin paste, we have developed various application nozzles that offer significant handling and productivity advantages, especially when coating large surfaces. A real highlight is the disposable paste nozzle with a rotating hose connection.

Whenever pasty synthetic resins are applied manually in design model making, direct molding or when using construction adhesives, the rotation link of this nozzle offers the user great flexibility of movement. The standard outlet port of this nozzle is 70 x 41 mm, but other dimensions can be realized on request.

We also have a CNC application nozzle in our program. It is made of either aluminium or stainless steel and is designed for the semi or fully automated processing of highly viscous and thixotropic synthetic paste - for example in robotic dosing and mixing systems.

TECHNICAL DATA

Compatible Hoses	ø 18 and 24 mm
Version 1: Standard (blue) Art. No.: EK20-0016	► outlet port 70 x 31 mm ► fixed hose connection
Version 2: Rotatable (blue/green) Art. No.: EK20-1093	► outlet port 70 x 31 mm ► rotatable hose connection
Version 3: Maxi (green) Art. No.: EK20-0017	► large outlet port 78 x 41 mm ► rotatable hose connection
CNC application nozzle Art. No.: EK20-0015	► outlet port ø 26 mm ► made of aluminium or stainless steel
Approved system	► PVC hose 19 x 4,5 MIX-S-P-TAR (Art. No.: EK20-1597) with hose clamp DN19 (Art. No.: EK20-0780) ► PVC hose 25 x 5 MIX-M-P-TAR (Art. No.: EK20-1598) with hose clamp DN25 (Art. No.: EK20-0781)



Application nozzle for pastes, standard with an outlet port of 70 x 31 mm



Application nozzle (70 x 31 mm) with rotatable hose connection for 18 and 24 mm



Application nozzle (78 x 41 mm) with rotatable hose connection for 18 and 24 mm

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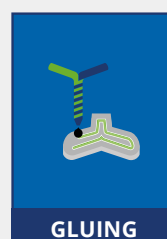
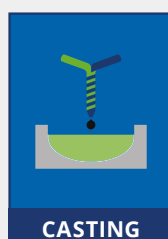


FLAT NOZZLE

APPLICATION NOZZLE FOR SYNTHETIC RESIN

Apply thin coatings comfortably with flat nozzles
in different variations.

for liquid / low viscosity sealing materials and synthetic resins



FLAT NOZZLE

FOR LIQUID / LOW VISCOSITY SYNTHETIC RESINS

APPLICATION EXAMPLE

- ▶ Application of sealants and adhesives evenly over a large area, e.g. in caravan construction
- ▶ Even distribution in webs of EP resins in the wet pressing process
- ▶ Wetting of carbon or glass fibre mats in consistent quality
- ▶ Application of linear and combined sealings



The flat nozzle is plugged onto the tip of the mixer sleeve without an adapter or any cumbersome clamping device



The flat nozzle supports not only the smooth application of synthetic resins, but also the thin-layer and material-saving surface coating

The flat nozzles are available in widths of 40 mm, 60 mm and 80 mm or with a variable outlet of up to 120 mm for an even, thin application of liquid synthetic resins. The nozzle is plugged onto the mixer sleeve with an outer diameter of 17 mm (standard type 13 /12er), or linked by a hose connection.

The flat nozzles are used for the even and precise application of sealing compounds providing a simplified and faster surface application. They not only facilitates the smooth application of the synthetic resins, but also enables thin-layer and material-saving surface coatings.

The flat nozzle version with the variable outlet comes with a practical detail solution: the user can modify the outlet shape himself or order any desired outlet shape (when ordering larger quantities). For test series or material tests, these nozzles open up a wider range of possibilities for solving the most diverse sealing and application problems.

The nozzle is designed as a disposable part (POM) and is disposed of together with the mixer after use: This eliminates the cost and effort of cleaning with environmentally harmful detergent.

TECHNICAL DATA

Compatible mixers	ø 17 mm, suitable for all 13/12 mixers
Material	Polyamide PA6GB30
Output	up to approx. 5 kg/min (depending on viscosity)
Outlet widths	▶ 40 mm (Art. No.: EK20-0073) ▶ 60 mm (Art. No.: EK20-0074) ▶ 80 mm (Art. No.: EK20-0075) ▶ Variable up to 120 mm (Art. No.: EK20-0072)



For application and info movies please check our YouTube channel:

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Get some more information about additional parts here:

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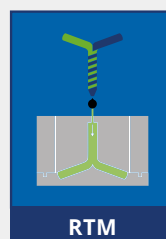
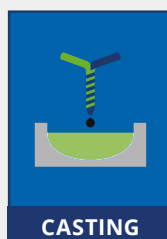


FLOWSTOP

SELF-SEALING MOLD CONNECTION

The useful disposable mold connection for 13 mm mixers is placed in the injection channel to prevent backflowing of material from the mold

for low pressure applications



FLOWSTOP

SELF-SEALING MOLD CONNECTION

SUMMARIZED

- ▶ Simple form closure
- ▶ no maintenance / care of seals
- ▶ quick installation

With the self-sealing mold connection, developed and patented by TARTLER, model and mold makers have an easy job: Mold filling without risk of material backflow.

The Flowstop can be integrated into the mold, in the material connection area. It is placed at the entrance of the injection channel. The material flow generated by the mixer - connected to a metering and mixing system - opens the Flowstop and the material flows into the mold. If the material flow stops, the Flowstop seals itself automatically. With the help of our mold connection, a mold can be filled without the risk of backflowing material, as the pressure remains in the mold and cannot escape when the mixer is pulled out.

In comparison to other closure options (e.g. flaps or slides), this inexpensive disposable item requires neither cleaning nor maintenance.



Place the Flowstop in an open mold, then reclose the mold.



The mixer sleeve is shortened at the front and inserted into the Flowstop until it meets with resistance.



The filling of the mold can start. The material flow opens the Flowstop.

TECHNICAL DATA

Compatible mixers	13/12 D, or 13 mm static mixers (OD 17 mm)
Applications	RTM, RIM, PIM, casting, tooling, model making
Version 1 (black)	approx. 10 to 30 bar internal mold pressure, Shore hardness A80 (Art. no.: EK20-0274)
Version 2 (blue)	0 to approx. 30 bar internal mold pressure, Shore hardness A80 (Art. no.: EK20-2575)
Version 3 (green)	0 to approx. 10 bar internal mold pressure, Shore hardness A55 (Art. no.: EK20-2615)
Available options	▶ Other Shore hardnesses available on request ▶ Other sizes possible

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Y-CONNECTOR

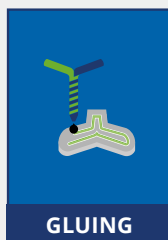
PLASTIC FLOW DISTRIBUTION SYSTEM

The high quality Y-shaped connector enables the splitting or merging of material flows

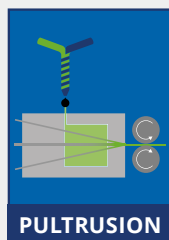
for hoses with 25 mm inner diameter



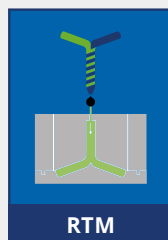
CASTING



GLUING



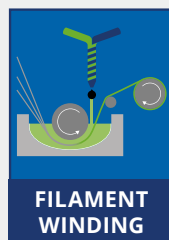
PULTRUSION



RTM



VACUUM
INFUSION



FILAMENT
WINDING

Y-CONNECTOR

FOR MATERIAL HOSES

APPLICATION EXAMPLE

- ▶ Material flow distribution
- ▶ Merging of material flows



Proven safety with TARTLER hose clamps and hoses

The polyamide Y-connector is ideal for liquids and gases. It is designed for use with our hoses and hose clamps and has been approved for a working pressure up to 30 bar.

This connector is the right choice where material flows have to be divided or merged.

TECHNICAL DATA

Nominal connection diameters 25/25/25 mm

Material Polyamide PA6GB30

Working pressure up to max. 30 bar

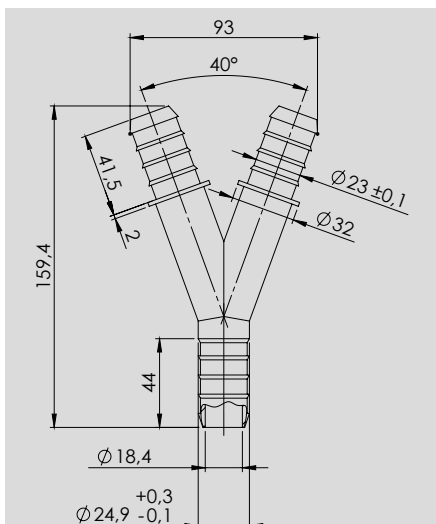
Bursting pressure up to max. 60 bar

Approved system

- ▶ Y-connector 25/25/25 (EK20-2641)
- ▶ PVC hose 25x5 MIX-M-P-TAR (EK20-1598)
- ▶ hose clamp DN25 (EK20-0781)



Approved system: Our material hoses are attached to the mixer tube and Y-connector with hose clamps



Y-connector for 25 mm hoses: Sketch with dimensions and diameters



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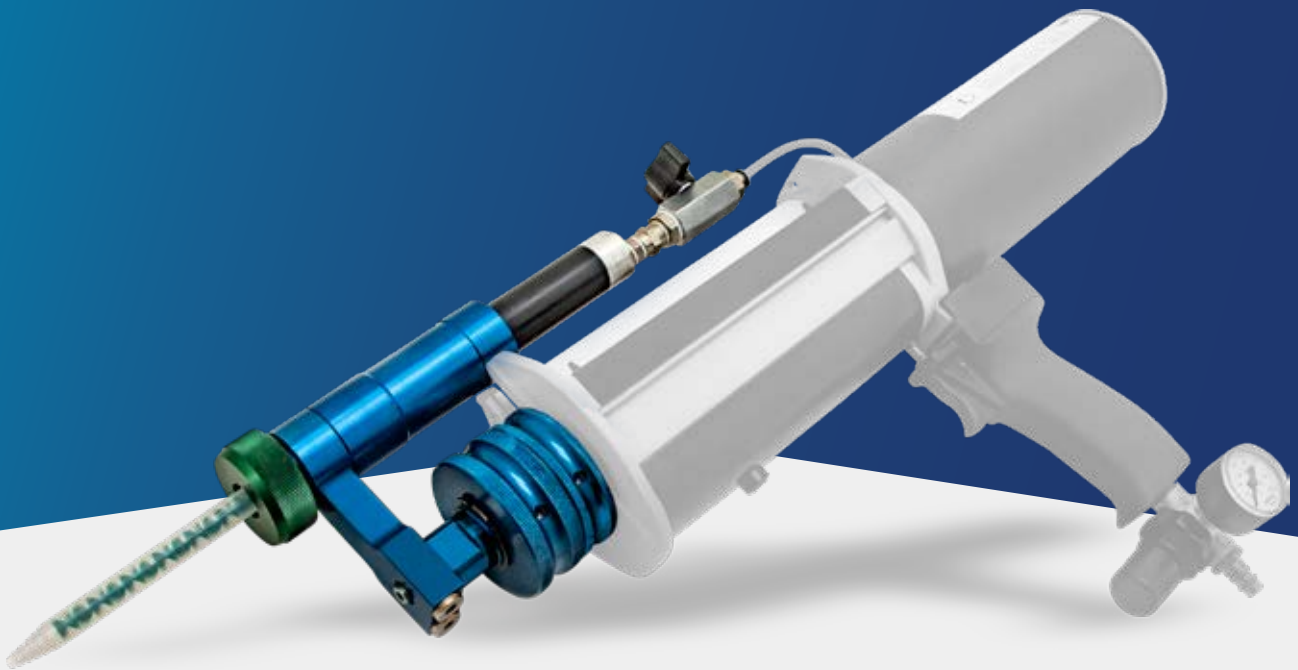
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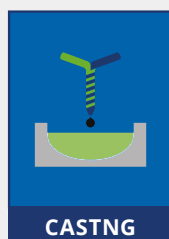


LC-DCM

2K CARTRIDGE MIXER

The first universal mixer attachment for many common cartridge systems for a dynamic mixing of components

with changeable adapters



LC-DCM

2K CARTRIDGE MIXER

POSSIBLE APPLICATIONS

- Repairs
- Rework
- Optimization of surfaces with pneumatic cartridge guns



The cartridge mixer is attached to an existing gun



The various changeable adapters allow the use of different cartridges



For application and info movies please check our YouTube channel:

<https://yt.vu/+tartler-int>



Get some more information about the LC-DCM Cartridge Mixer series here:

<https://cartridgemixer.gr8.com>

The cartridge mixer attachment LC-DCM is a universal attachment for numerous common cartridge systems. It allows to use the quality advantages of the dynamic 2-component synthetic resin mixing technology from the automated series production also in the manual application of small quantities and to obtain better results by using dynamic mixing. Low-quantity users who process cast resins and adhesives for repairs, reworks or the surface finishing with double cartridge dispenser from Sulzer (Mixpac), Nordson (Side x Side) or other manufacturers particularly stand to benefit from this.

In addition to its universal adapter connection, the new cartridge mixer LC-DCM offers yet another key advantage: Irrespective of the processed materials, with the same configuration and the same pressure it offers a multiple volume increase compared using a static mixer recommended by the cartridge material manufacturer – or filling company. Additionally, an advantage not to be overlooked is that it can be used for extreme mixing ratios and high viscosity differences between materials.

- Dynamic mixing system for many common cartridges
- Multiple increase of the flow rate possible with similar configuration and pressure (depending on material)
- Suitable for extreme mixing ratios and large viscosity differences
- Precise mixing of 2K systems
- Neither cartridge nor material linked
- Reusable adapter for more flexibility

AVAILABLE CARTRIDGE ADAPTERS

- Production of further adapters on request



SULZER MIXPAC,
F-System 10:1



SULZER MIXPAC,
F-System 1:1



SULZER MIXPAC,
C-System 10:1



SULZER MIXPAC,
C-System 1:1



Nordson EFD
Side x Side - 200ml

TECHNICAL DATA

Components	2 components
Viscosity range	according to filler/material manufacturer
Mixing ratio	100:10, 100:25, 100:50, 100:100
Output	up to 80% higher output possible
Cartridge systems	e.g. Nordson and Sulzer (production of further adapters on request)

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