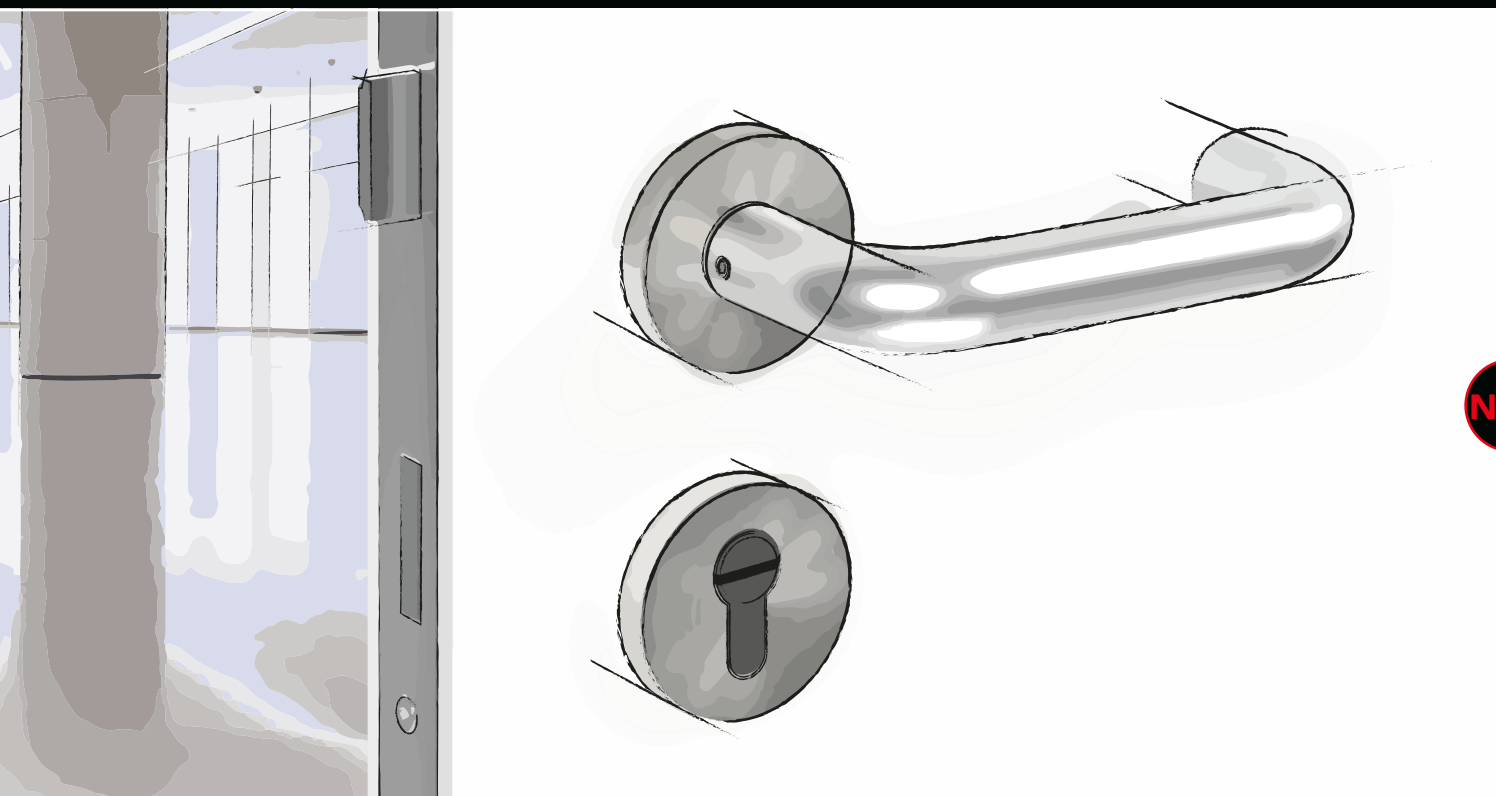


PERFORMANCE ROSE | EPRO

DESIGNS OF STAINLESS STEEL



NEW

Category of Use	Durability	Door mass	Fire resistance	Safety of persons	Corrosion resistance	Security	Type of Operation
4	7	–	B	1	5	0	B

KARCHER
DESIGN

STAINLESS STEEL PERFORMANCE ROSE

INNOVATIVE TECHNOLOGY: EASIER – FASTER – MORE FLEXIBLE

KARCHER DESIGN reinvents the screw-on rose with the new EPRO Performance Rose: The innovative technology of the EPRO combines impressive strength and resistance to vandalism with surprisingly easy assembly.

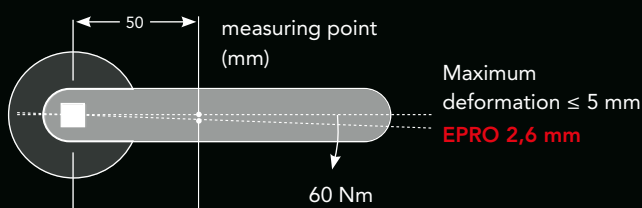
The patented technology is certified according to DIN EN 1906 – category of use 4, and with safety class 1. With its solid mounting and precision components, the Performance Rose meets and exceeds the highest standards.

EPRO technology is THE robust solution for heavy-duty use in the commercial sector.

EPRO – MORE THAN STANDARD, DIN EN 1906

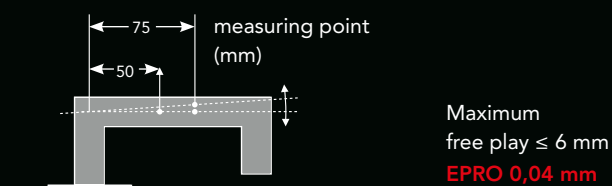
STRENGTH TESTS

TORQUE RESISTANCE [mm]

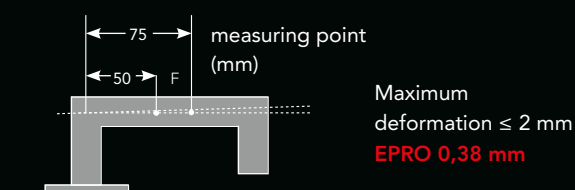


PRECISION TESTS

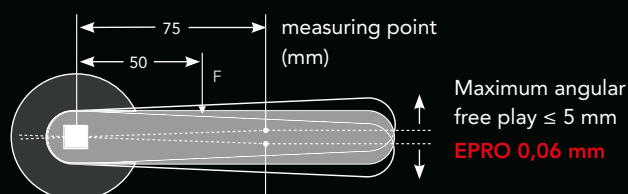
FREE PLAY [mm]



AXIAL STRENGTH 1kN [mm]



FREE ANGULAR MOVEMENT [mm]



NEW

CERTIFICATION

EPRO – TESTED TO THE EXTREME

Certified to the highest possible class for maximum flexibility in commercial construction.

KARCHER
DESIGN

PfB Prüfzentrum für Bauelemente

CLASSIFICATION REPORT NO. 2023-07-0291-K1 version 1.en

Testing of lever handle sets according to DIN EN 1906 : 2012-12 „Building hardware - Lever handles and knob furniture - Requirements and test methods; German version EN 1906:2012“

Applicant Karcher GmbH
Raiffeisenstraße 32
74906 Bad Rappenau, Germany

Type Lever handle set with spring preload, consisting of stainless steel cover escutcheon round inside and outside, screwed, versions as lever handle/handle or lever handle/knob with 8, 8.5 or 9 mm square spindle

Product Designation EPRO

Classification According to Expert's Report No. 2023-07-0291-G1 lever handle sets of the above design can be classified as follows in accordance with DIN EN 1906 : 2012-12 "Building hardware - Lever handles and door knobs - Requirements and test methods":

Category of use	Durability	Door mass	Fire resistance	safety	Corrosion resistance	Burglar protection	design
4	7	-	B	1	5	0	B

Lever handle sets of the above type are designed for mortise locks in accordance with DIN 18251-1 or multi-point locks in accordance with DIN 18251-3 with profile cylinders according to DIN 18252 with regard to the required openings and connection dimensions.
They are limited to 30° rotation

Validity period of validity of DIN EN 1906 version December 2012

Dipl.-Ing. (FH) Christoph Geiger
Head of Test Body

Stephanskirchen
07.12.2023

Dipl.-Ing. (FH) Harald Kopp
Responsible Official

PfB GmbH & Co. Prüfzentrum für Bauelemente KG
Ein Unternehmen der TÜV NGRO GROUP

Lockermannweg 24
D- 83071 Stephanskirchen
+49 (0) 89 24 12 74 01 0
info@pfb-roessheim.de
www.pfb-roessheim.de

AG Trautwein HRA 8871
AG Trautwein HRB 16490
pfb PfB Vorwahrung GmbH
Geuchtelstraße 1
Matthias Demmel, Dr. Christoph Sinder

Prüfstelle nach EN ISO/IEC 17025
Zertifizierungsstelle nach EN ISO/IEC 17065
PQZ Stelle nach
Landesbeurteilung BAY 33
Notified Body No. 1864

CLASSIFICATION KEY according to DIN EN 1906

Category of Use	Durability	Door mass	Fire resistance	Safety of persons	Corrosion resistance	Security	Type of Operation
4	7	–	B	1	5	0	B

Highest usage frequency –
200,000 cycles

NEW

Certified

NEW

Certified

Sprung levers with spring
pre-load ensure a long service
life and good user feedback.
Preload prevents hanging or
sagging levers.

Highest corrosion resistance class –
480 h salt spray according to EN ISO
9227 without any signs of corrosion

Safety of persons class 1 – 2500 N pull force

Fire rated FD90 – EPRO sets have been tested according to EN 1634-1
and are suitable for the use on fire rated doors

Highest category of use GK4 – suitable for the most challenging
requirements (e.g. football stadiums, public toilets)

FAST ASSEMBLY IN THE COMMERCIAL SECTOR

NEW**STEP 1**

Position the pre-assembled side on the door.

STEP 2

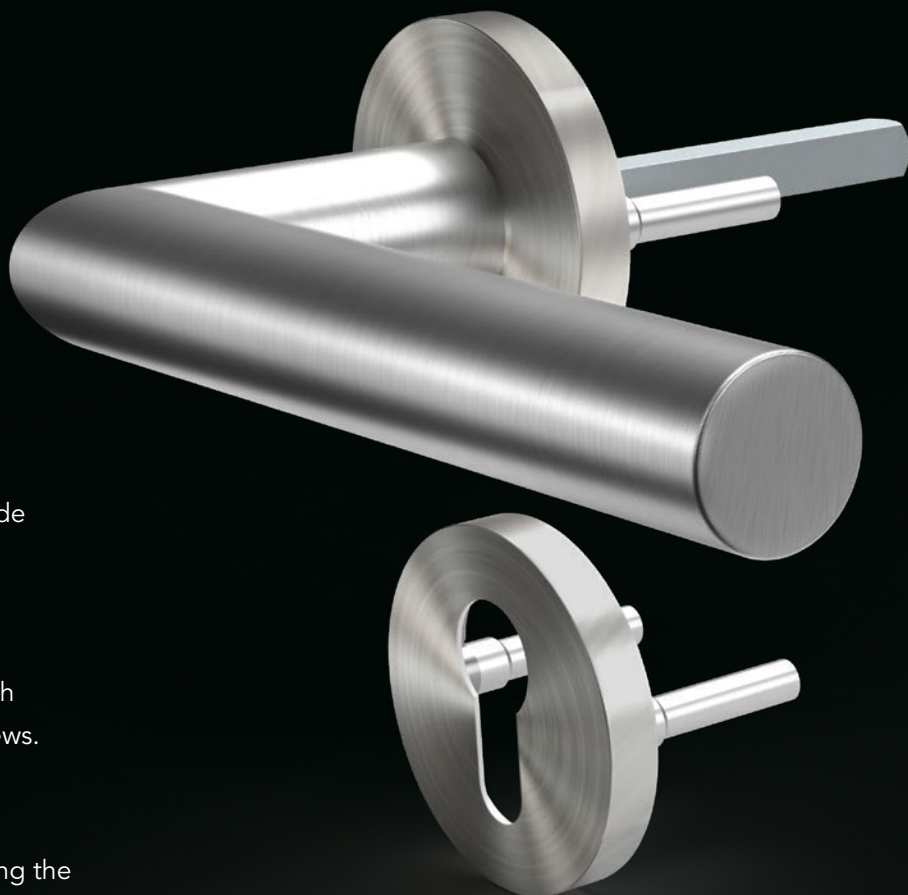
Attach the mounting plate with the included M5 machine screws.

STEP 3

Fix the door handle by screwing the rose onto the mounting plate.

STEP 4

Tighten the grub screw.

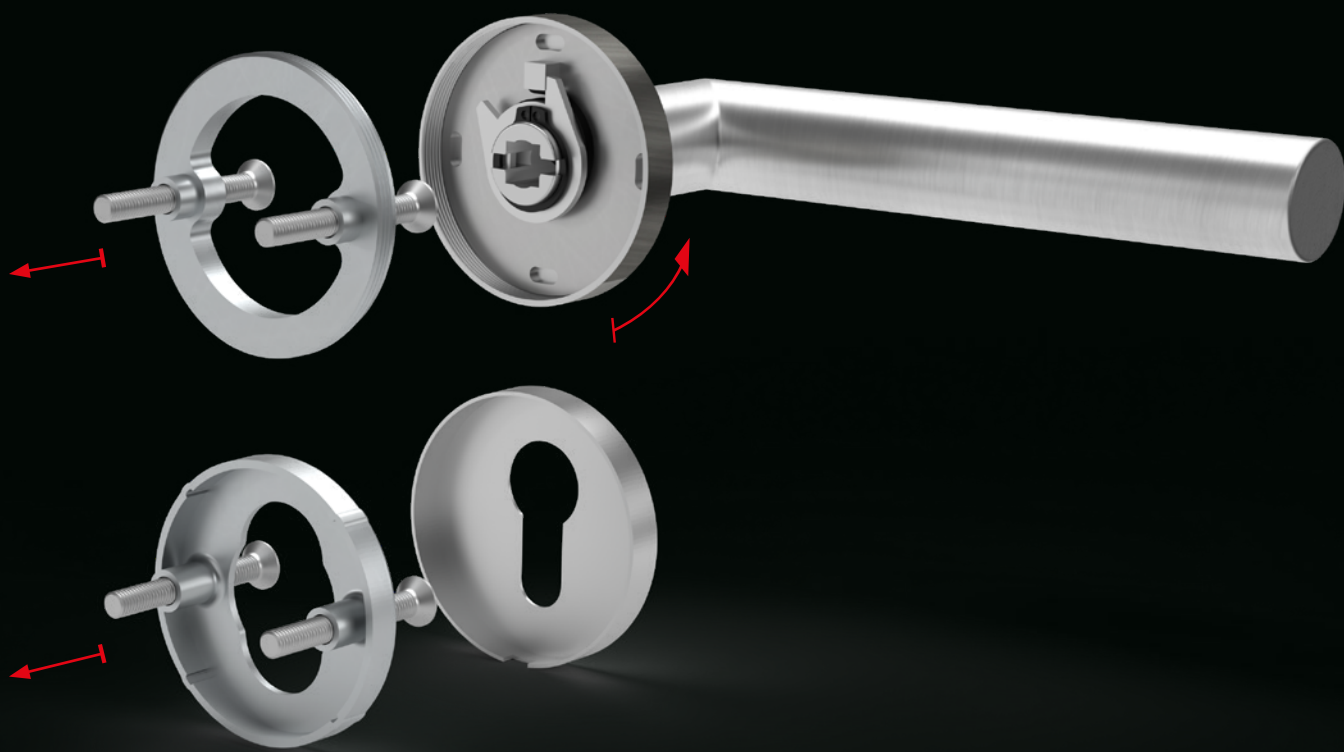


INNOVATION: Screw-on rose with no loose parts

The patented EPRO consists of an asymmetrical construction. The pre-assembled side is made from solid stainless steel and includes a pre-mounted square spindle. The opposite side consists of a precision cast, zinc alloy mounting plate and the patented screw-on rose. The handle on the assembly side is fixed to the screw-on cover, along with a return spring. The lever is free to rotate until it is assembled onto the mounting plate, producing a full sprung lever set.

The grub screw fixes the rose and provides additional protection against theft or vandalism.

NEW



RETURN SPRING
For long-lasting function

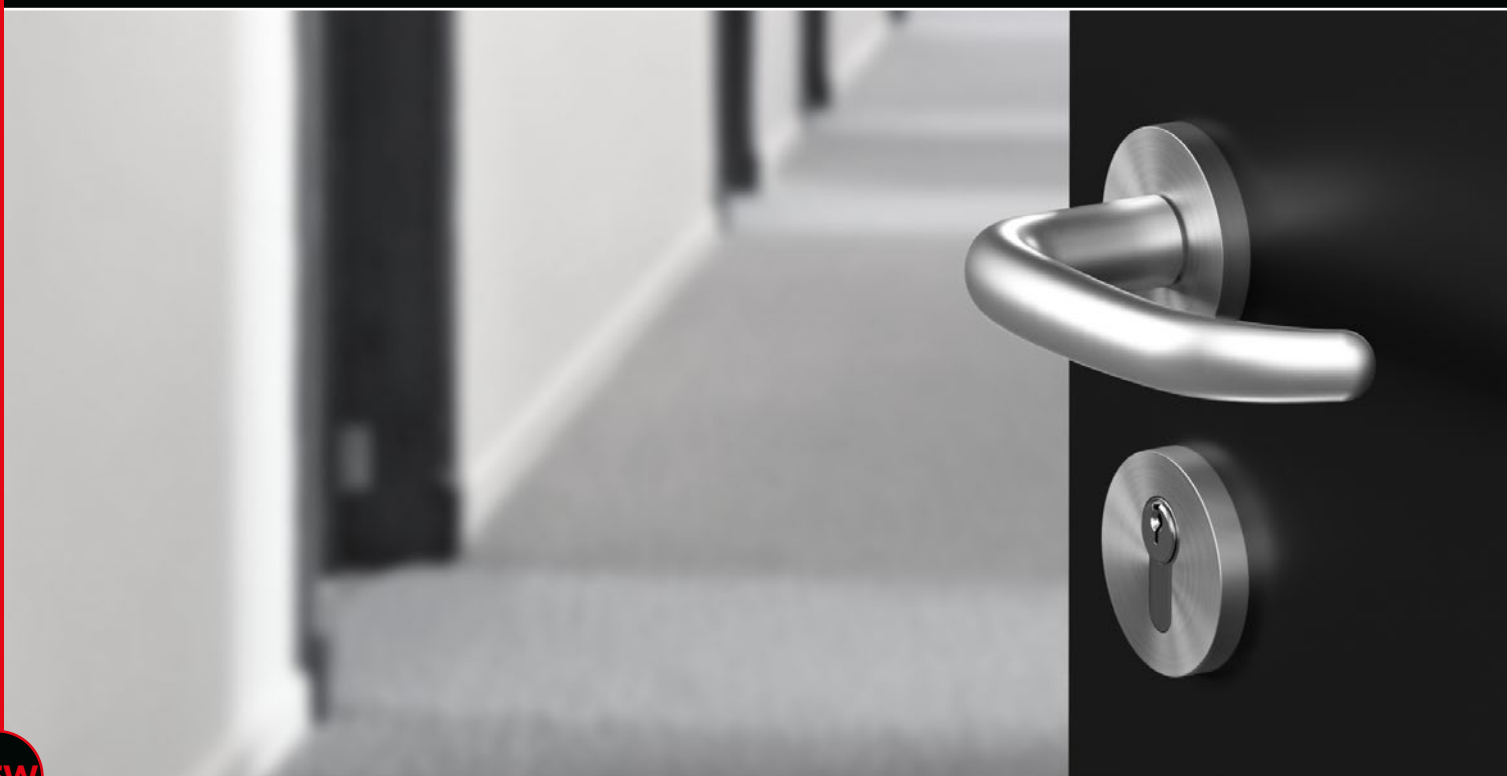
BACKING PLATE
Firmly fixed to the lever,
but free to rotate

The stainless steel Performance Rose from Karcher Design is a new milestone in the evolution of the screw-on rose, with a robustness suitable for the challenges of the commercial sector.

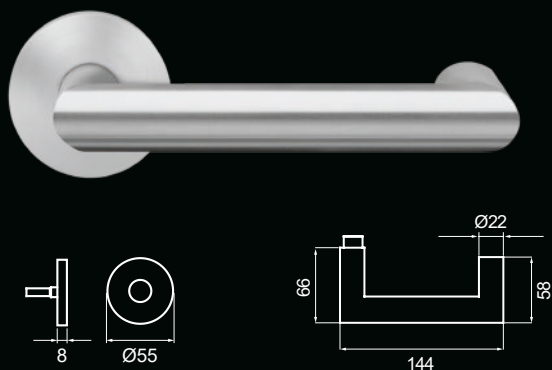
KARCHER
DESIGN

EPRO MODEL SERIES

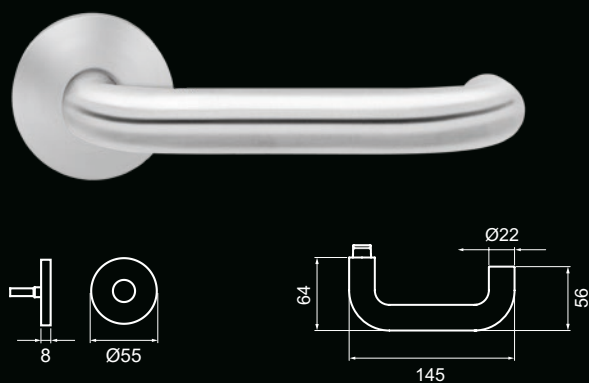
NEW



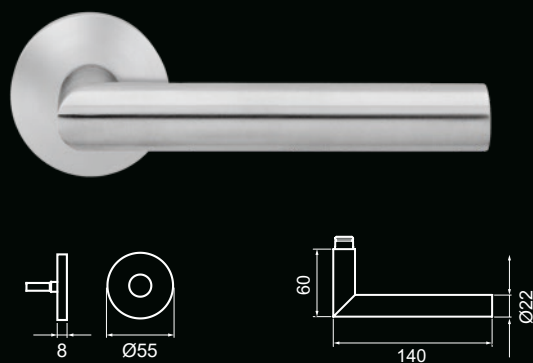
KOS XL – EPRO10 | Satin stainless steel



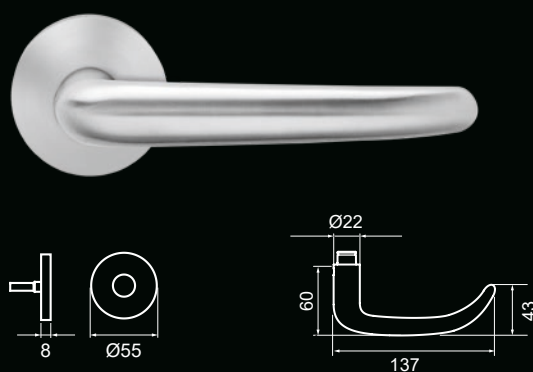
KRETA XL – EPRO17 | Satin stainless steel



RHODOS XL – EPRO18 | Satin stainless steel



ELBA – EPRO22 | Satin stainless steel



THE OPTIONS

EPRO
PERFORMANCE ROSE

DESIGNS OF STAINLESS STEEL



EDELSTAHL | The German word for the high quality stainless steel used throughout the rose



PERFORMANCE | Faster assembly, durable, performance-oriented



ROSETTE | Screw-on rose with innovative assembly technology



COMMERCIAL | perfectly suited for the commercial sector



NEW

Available as PZ, BAD, BAD handicapped access, WG



EPRO is certified according to DIN EN 1906, category of use 4, safety class 1.



EPRO products are additionally available for fire rated doors. This is tested according to DIN 18273. Handle models which curve back to the door (KOS XL, KRETA XL and ELBA) are certified according to DIN EN 179 are suitable for use on emergency exit doors.

PLEASE NOTICE

WG is suitable for a range of door thicknesses from 35 to 75 mm.



KARCHER
DESIGN

PRO

PERFORMANCE ROSETTE

EASIER – FASTER – MORE FLEXIBLE

HIGH SPEED – HIGH PERFORMANCE

- Assembly in just a few steps: half of the set is pre-assembled
- Reduced frustration – no lever in the way of the screws, no awkward clipping, no loose parts
- Pre-assembled square spindle aligned and ready to go

PERFORMANCE PARTS – ROBUST ENGINEERING FOR THE PERFECT FIT

- Tried and tested screw-on rose technology
- Firm connection between rose and lever
- Suitable for a range of door thicknesses thanks to long support lugs
(standard 35 - 75 mm)

TESTED PERFORMANCE – CERTIFIED QUALITY

- Category of use 4, tested according to DIN EN 1906
- Patented and innovative technology

SUSTAINABLE PERFORMANCE

- Plastic-free packaging
- High quality, durable parts made from stainless steel and zamak

NEW

KARCHER

DESIGN



Karcher GmbH
Raiffeisenstraße 32
74906 Bad Rappenau
Tel.: +49 7264 9164-0
mail@karcher-design.de
www.karcher-design.de