PERMANENT SCAFFOLDING ANCORS

KORO Planing Cataloge Table
KORO Dowel Anchor ALU KS + SM
KORO Dowel Anchor KS–Vario Stanless steel
KORO Dowel Anchor K S + SH Stanless steel
KORO Mortared anchor XL Ancer.
KORO Mortared Anchore KS Ancer
Bidding Mortared Anchor
Bidding Dowel Anchor Stanless Steel
Bidding Dowel Anchor Alu

REFERENC LIST
KORO ® Patent-Halter

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By Creator of

KORO PERMANENT SCAFFOLDING ANCORS - SYSTEM

Millionfold apporved permanent-
Scaffolding anchors with
Excellent optical characteristic
Applicable at Joint area
horizontal or vertical

Specialiseded non bearing Facade :
Natural facade  Metal facade
Glass facade  Lining wall
<table>
<thead>
<tr>
<th>Requirement according to DIN 4420</th>
<th>Requirement according to DIN 4426</th>
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</thead>
<tbody>
<tr>
<td>Max. pullout load 3.3</td>
<td>According to DIN 4426 scaffoldings with covering must be anchored by one anchor every 4 – 5 m²</td>
</tr>
<tr>
<td>Side Traction 1,2</td>
<td>More details draw from the DIN standards DIN requirements</td>
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<tr>
<td>More details draw from the DIN standards DIN requirements</td>
<td>system statics our KORO anchors are available</td>
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**Horizontal Anchor**

| KORO KS - Sleeve - VARIO in the Length 100 – 380 mm - Stainless steel |
| KORO KS - Sleeve 50 – 400 mm with Mounting plate welded - Stainless steel |
| KORO ALU - KS- Sleeve in the standard - Length 200 / 300 / 400 mm |
| KORO KS und XL Sleeve mortared anchor Stainless Steel |

**Vertical Anchor**

| KORO SH – Sleeve Stainless steel 80 – 400 mm with Mounting plate welded |
| KORO ALU - SM - Sleeve 200 mm 300 mm und 400 mm |
| custom-made anchors (available) on request |
Installation Instruction:
Mark the required length on the sleeve. Cut with an angle grinder. Insert the sleeve into the carrier plate. Drill matching holes for the bolt. Connect the sleeve to the carrier plate with the bolt.

Now the anchor is custom-fit behind the storefront. In the horizontal gap you can bypass (bridge) another 5,8 cm with the KORO Alu ringplate 140....
KORO ALU - DOWEL ANCHORS

By Skeletontolerance in the face individual fittable !!!

KORO ALU - KS
HORIZONTAL

Sleeve Length 200 / 300 /400 mm

KORO ALU – SM
VERTICAL

Sleeve Length 200 / 300 400 mm
VARIABLE DOWEL ANCHORS STANLESS STEEL

KORO -KS- VARIO before Building > 30 m
Fixture in ...horizontal facadejoint

Stanless Steel Dowel Anchors
Variable in the face length adjustable

Ø Koro Vario I 110 – 160 mm
Ø Koro Vario II 170 – 230 mm
Ø Koro Vario III 240 – 300 mm
Ø Koro Vario IV 320 – 380 mm

with plate 180x50x10 frozen Stanless steel
Ø KS ringplate 140 ( bridget 58 mm )
Ø sleeve – steel grade 1.4571 or A4
KORO - KS 50-400 before Building > 30
Fixture ........ horizontal facade joint

KORO Sleeve Typ KS DOWEL - ANCHORS stainless steel

Installation only within horizontal joint of facade

Bearing L- 60 bis 400 mm (Standard)

According to DIN 4420 suitable for horizontal and parallel load

Including mounting plate for doweling onto channel systems

KS ringplate 140 (bridget 58 mm)

Sleeve – steel grade 1.4571 KORO
DOWEL - ANCHORE
KORO SH Anchors applicable to Building > 30 m
Installation within vertikal joint of facade

dowels = MKT BZ 10-15/95 A4 in concrete
Bearing -out - 60 - 400 mm
Order length = bearing -out + thickness of stainless steel plate (10mm)
S-H mounting eyes, lengths 160 mm
thickness 8 mm Steelgrade -69 Ø
Plate 180 x 50 x 10

Technical data are subject to change without prior notice
MORTARED ANCHORS  HORIZONTAL-ANCHORS

KORO KS SLEEVE  Natural stone  ALU  METAL  GLASSFACADE

Installation only within horizontal joint of cladding
Borehole diameter  O 50 mm
Borehole depth 12 cm in concrete B. 25
Bearing- out 260mm
Order length = Bearing –out + thickness of steel grade St 37
Mortar-mix with approved rapid cement
KS ringplate 140 (bridge  58 mm )
Steel grade of sleeve 1.4571

KORO KS Sleeve Horizontale Facade joint lining wall Horizontale Facade joint
MORTARED ANCHORS  DUPLEX  Horizontale  ANCHORS

KORO  XL- SLEEVE  stainless steel  with  ringplate  138

- KORO XL anchors applicable to buildings see table
- Installation only within horizontal joints of cladding
  Borehole diameter  O 48 mm
- Borehole depth 12 cm in concrete B. 25
- Bearing-out 500 mm
- Order length = embedment 10 cm + bearing-out
  Mortar mix with approved rapid cement
- XL ringplates 138 (bridge 58 mm)
HORIZONTAL ANCHORING  mortared  Stanless Steel

KORO KS Ringplate 140
Stärke 3 mm for all KS Sleeve

You need for every Anchor 2
KORO-KS-Ringplate

VERTIKAL ANCHORE  SH – Ringplate 160

KORO- SH Ringplate 160 for Anchore
Stanless steel SH

And for KORO ALU - SM Sleeve in Alu

Pro Anchore you need 2 Ringplate
For doweling with mounting plate
KORO - KS - VARIO plug-in system
anchor for horizontal joint

Joint with 8 mm Hidden with ringplates
Mounting of concealed and patented (system KORO) scaffolding anchor in the course of the facade installation; according to DIN 4420, concealed behind the cladding: made from stainless steel grade 1.4571 concrete walls: affixing scaffolding anchor system KORO with ringplates in the field of facade joints

KORO KS Vario sleeve
KORO KS mounting plate
KORO mounting eye KS Ringplate 140
KORO press-in cap KS (clear) transparent

KORO anchor VARIO length........
KORO sleeve KS 110 – 160 mm
KORO sleeve KS 170 – 230 mm
KORO sleeve KS 240 – 300 mm
KORO sleeve KS 320 – 380 mm __________ pieces

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Text for invitation to tender
Permanent scaffolding anchor

KORO Brand

HORIZONTAL ALU-KS anchor 200/300/400mm

VERTICAL ALU-SM anchor 200/300/400mm

Delivery of permanent scaffolding anchors made from special aluminium alloy including ringplates or mounting eyes and press-in lid + mounting the anchors onto concrete surface within the joints (dowel technique) according to a systematic and calibrated raster and considering the requirement of the facade.
The installation follows DIN 4420

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Text for invitation to tender
Mortar anchor for horizontal joint

Joint with 8 mm Hidden with ringplates
Mounting of concealed and patented (system KORO) scaffolding anchor in the course of the facade installation; according to DIN 4420, concealed behind the cladding: made from stainless steel grade 1.4571 mortar mix method on concrete walls: affixing scaffolding anchor system KORO with ringplates in the field of facade joints

Insulation …………………
Air layer …………………
Cladding thickness …………………
Embedment length ….10 cm……
Total length …………………
TYP KORO Anchor KS
Number of items …………………

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Horizontal Joint

KORO ALU-KS scaffolding anchor consisting of:
KORO ALU sleeve KS 200 / 300 / 400mm: KORO ALU mounting plate KATP
KORO ringplate KS140
KORO press-in cap KS (clear)-transparent

TYP KORO anchor ALU KS length………
__________ pieces

Vertical Joint

KORO ALU-SM scaffolding anchor consisting of:

KORO ALU sleeve SM 200 / 300 / 400mm
KORO ALU mounting plate KATP
KORO mounting eye SM160
KORO press-in cap SM (clear) transparent

TYP KORO anchor ALU SM length………
__________ pieces

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KORO GmbH was founded in 1952 in Frankfurt/Main, Germany, through the partners Karl Koch and Duke von Roedern. Under the product name KORO PATENT - HOLDERS Karl Koch has developed and secured several still untouched patents for his company, especially in the field of scaffold anchoring. Even after 55 years these patents have not been surpassed and still have the undoubted advantage of an unique technological breakthrough.

Karola Dittmer –Fuchs, daughter of the founder, has been underwriting the technical department for many years. During 2011, to continue the company tradition, a member of the family, Claudia Hogan bought company shares and now signs next to Karola Dittmer-Fuchs as executive directors. Business-address is Gelnhausen, amid the European union.

Over the past 22 years and under a separate business division specialised products for the cleansing and protection of natural stones have successfully been applied and marketed under the brand name KORO - Natural Stone Protection.
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