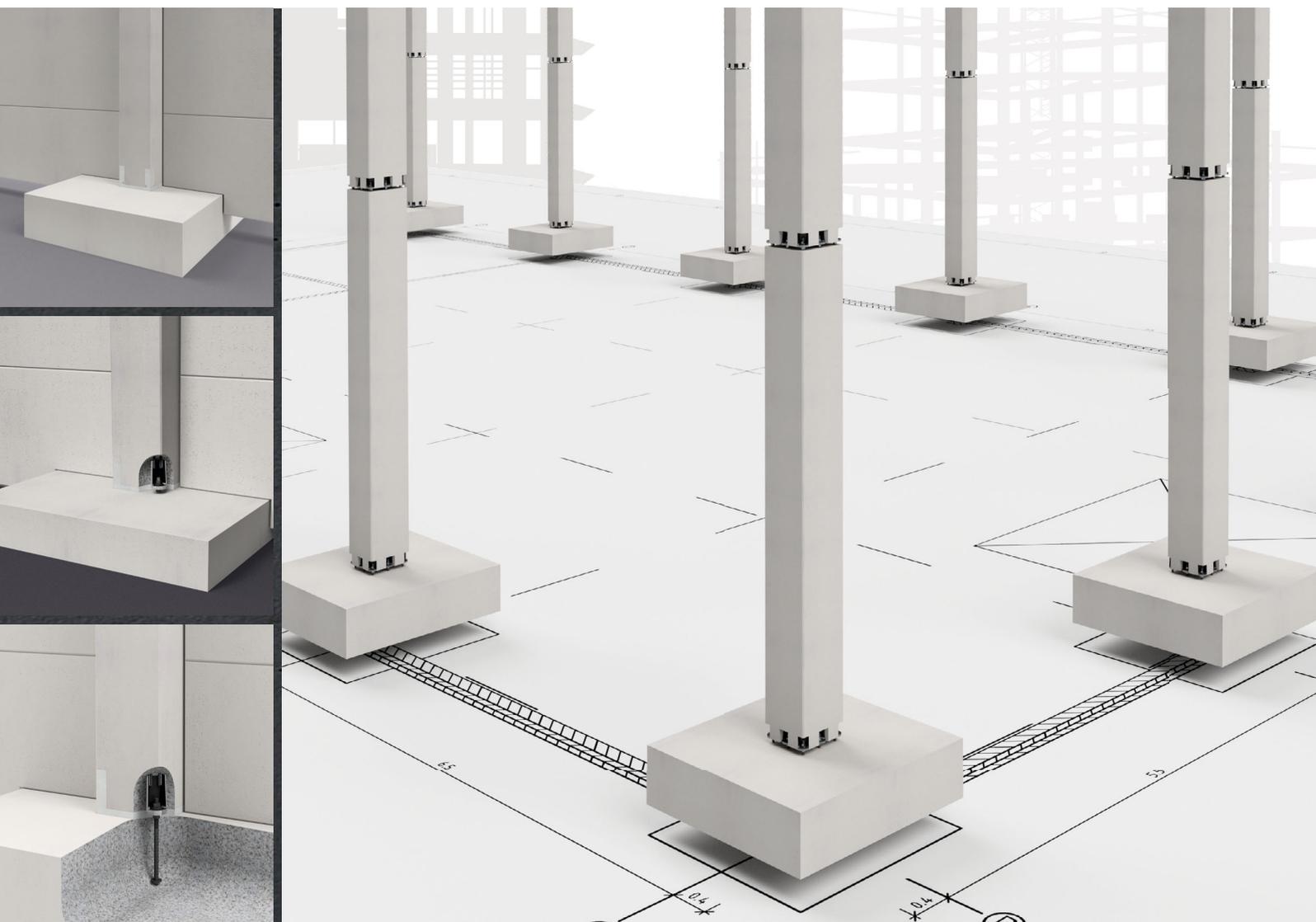


COLUMN SHOE NOXI



COLUMN SHOE NOXI

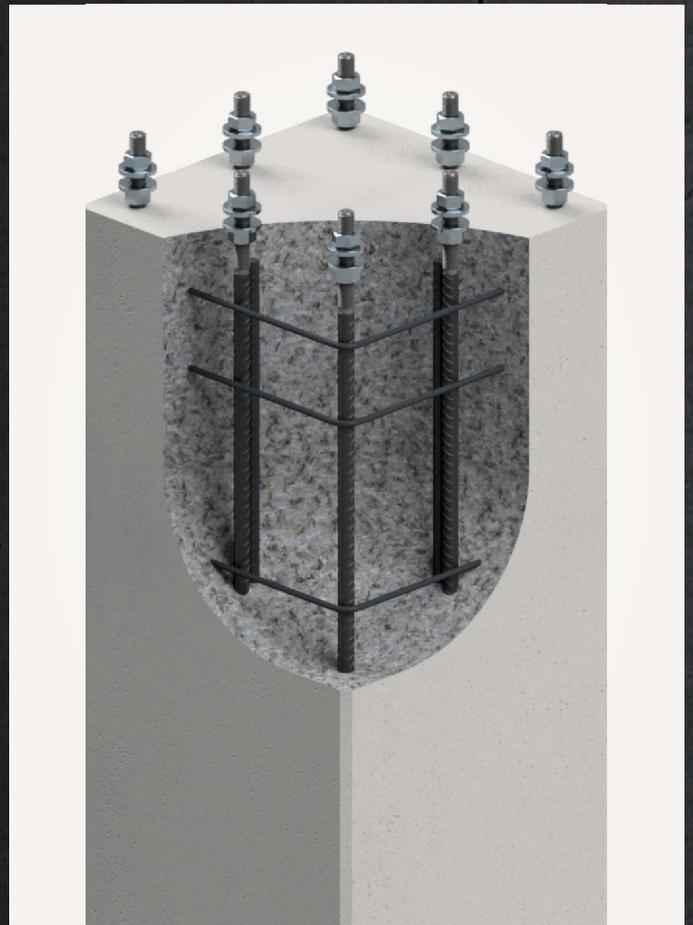
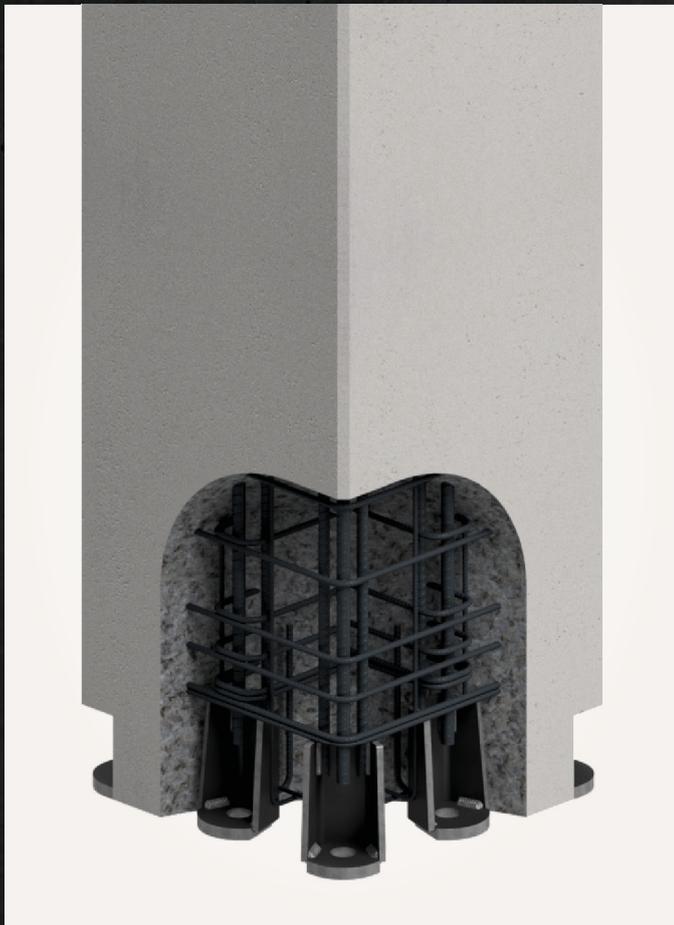
THE FOUNDATION FOR YOUR EFFICIENCY!

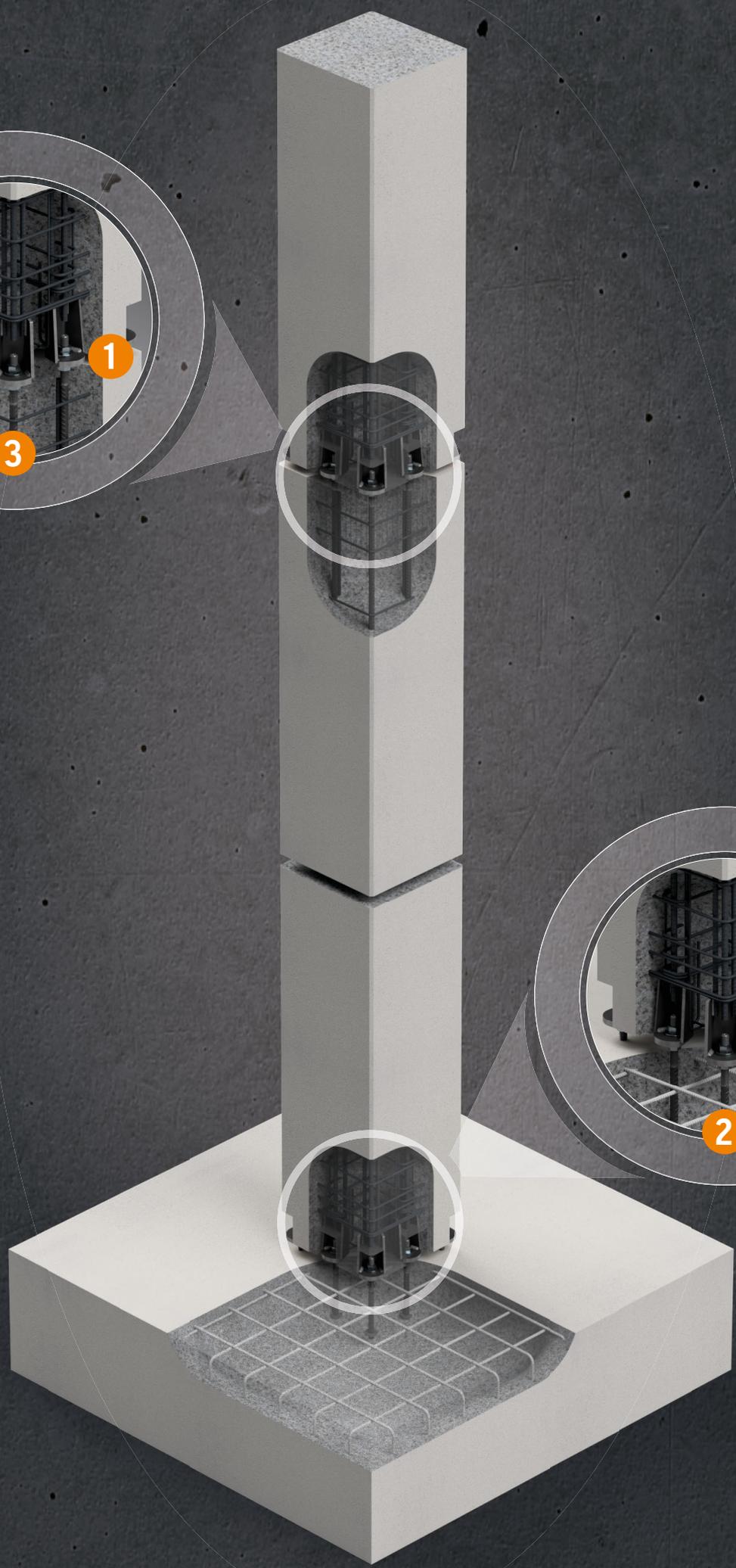
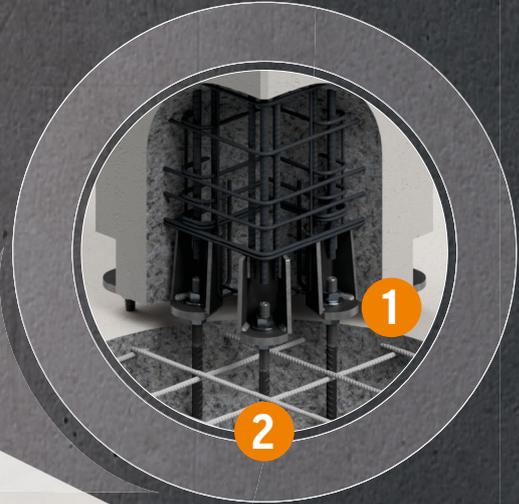
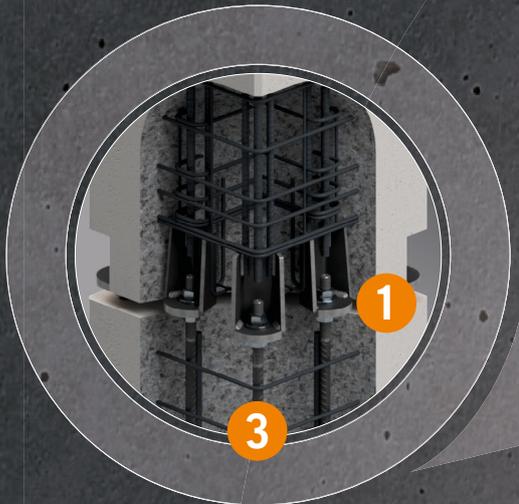
Column shoes are effective connecting elements in precast concrete construction, ensuring a rigid connection between columns and foundations as well as at column splices.

They enable a precise alignment plus load distribution and contribute to the structural integrity of buildings. By eliminating inclined supports and immediate load-bearing capacity, column shoes significantly reduce the construction time and thus increase the efficiency of your building project. In addition, they allow a demounting and thus promote sustainability aspects.

- » Complete system consisting of column shoe, anchor bolt and formwork accessories
- » Simple column mounting
 - WITH flexible and fast adjustment possibility
 - WITHOUT inclined supports (e.g. push-pull props) during installation
- » Comfortable design with free software
- » ETA approved system components

RIGID CONNECTION FOR MOUNTING AND FINAL STATE





COLUMN SHOE

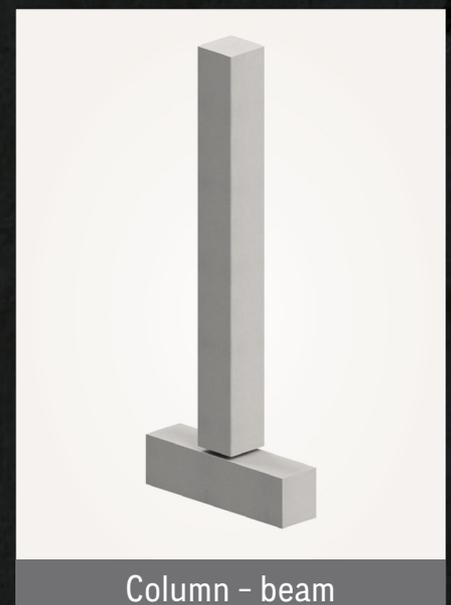
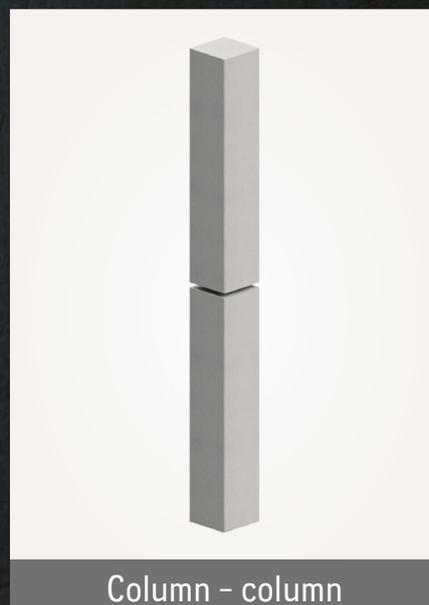
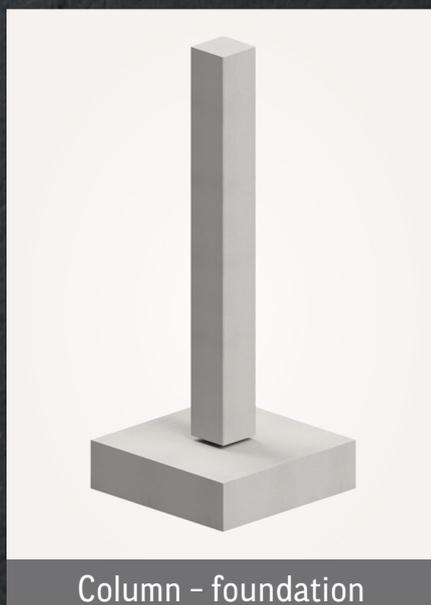
Column shoes are used to create rigid connections with precast concrete columns. Its advantage lies in a high resistance combined with very quick mounting times for the prefabricated parts. With this solution no additional inclined supports (push-pull-props) are necessary. The column shoe is combined with the anchor bolts underneath, i.e. in the foundation (column-foundation) or in the column itself (column-column).

ANCHOR TN C

The anchor bolts TN are made of reinforcing steel with a thread rolled up on one side and two nuts and washers for mounting the column shoes. At the other end the compact type C has an anchor foot. This makes the anchor particularly suitable for foundations and other flat members.

ANCHOR TN L

Also this anchor bolt of type TN is made of reinforcing steel with a thread rolled up on one side and two nuts and washers for mounting the column shoes. The long type L uses a straight reinforcing steel for anchoring, which generates the required resistance in the concrete via bonding. Particularly, this version is suitable for column splices.



Column shoes

VERSION: STEEL, GALVANISED

| Type | Resistance $N_{Rd,s}$ (kN) | Weight (kg/pc.) | Length (mm) | Reinforcement (mm) | Ref. no. |
|---------------------|-------------------------------|--------------------|----------------|-----------------------|----------|
| Column shoe NOXI 20 | 96 | 3.74 | 765 | 2 \varnothing 14 | 76NOXI20 |
| Column shoe NOXI 24 | 139 | 5.92 | 1055 | 2 \varnothing 16 | 76NOXI24 |
| Column shoe NOXI 30 | 220 | 11.02 | 1250 | 2 \varnothing 20 | 76NOXI30 |
| Column shoe NOXI 36 | 321 | 18.78 | 1510 | 2 \varnothing 25 | 76NOXI36 |
| Column shoe NOXI 39 | 383 | 22.44 | 1680 | 2 \varnothing 25 | 76NOXI39 |

COLUMN SHOE



VERSION: STEEL, GALVANISED

| Type | Resistance $N_{Rd,s}$ (kN) | Weight (kg/pc.) | Length (mm) | Reinforcement (mm) | Ref. no. |
|--------------------|-------------------------------|--------------------|----------------|-----------------------|----------|
| Anchor bolt TN 20C | 94 | 1.20 | 365 | \varnothing 20 | 76TN20C |
| Anchor bolt TN 20L | 94 | 2.78 | 1000 | \varnothing 20 | 76TN20L |
| Anchor bolt TN 24C | 135 | 2.25 | 450 | \varnothing 25 | 76TN24C |
| Anchor bolt TN 24L | 135 | 4.74 | 1200 | \varnothing 25 | 76TN24L |
| Anchor bolt TN 30C | 215 | 4.34 | 530 | \varnothing 32 | 76TN30C |
| Anchor bolt TN 30L | 215 | 10.25 | 1500 | \varnothing 32 | 76TN30L |
| Anchor bolt TN 36C | 299 | 6.20 | 630 | \varnothing 40 | 76TN36C |
| Anchor bolt TN 36L | 299 | 16.80 | 1700 | \varnothing 40 | 76TN36L |
| Anchor bolt TN 39C | 357 | 9.81 | 750 | \varnothing 40 | 76TN39C |
| Anchor bolt TN 39L | 357 | 21.67 | 2000 | \varnothing 40 | 76TN39L |

ANCHOR BOLT TN C/L



VERSION: ALUMINIUM

| Type | Installation | Weight (kg/pc.) | Ref. no. |
|------------------------------|---------------------|--------------------|-----------------|
| Recess former CIE-NOXI 20 | Corner installation | 1.14 | 76AKE-NOXI20 |
| Recess former CIC-NOXI 20 | Side installation | 1.25 | 76AKC-NOXI20 |
| Recess former CIE-NOXI 24 | Corner installation | 1.40 | 76AKE-NOXI24 |
| Recess former CIC-NOXI 24 | Side installation | 1.54 | 76AKC-NOXI24 |
| Recess former CIE-NOXI 30 | Corner installation | 2.02 | 76AKE-NOXI30 |
| Recess former CIC-NOXI 30 | Side installation | 2.34 | 76AKC-NOXI30 |
| Recess former CIE-NOXI 36-39 | Corner installation | 3.27 | 76AKE-NOXI36-39 |
| Recess former CIC-NOXI 36-39 | Side installation | 3.83 | 76AKC-NOXI36-39 |

RECESS FORMER CIC/CIE



Further accessories such as project-oriented installation templates are available on request.

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PHILIPP VERTRIEBS GMBH

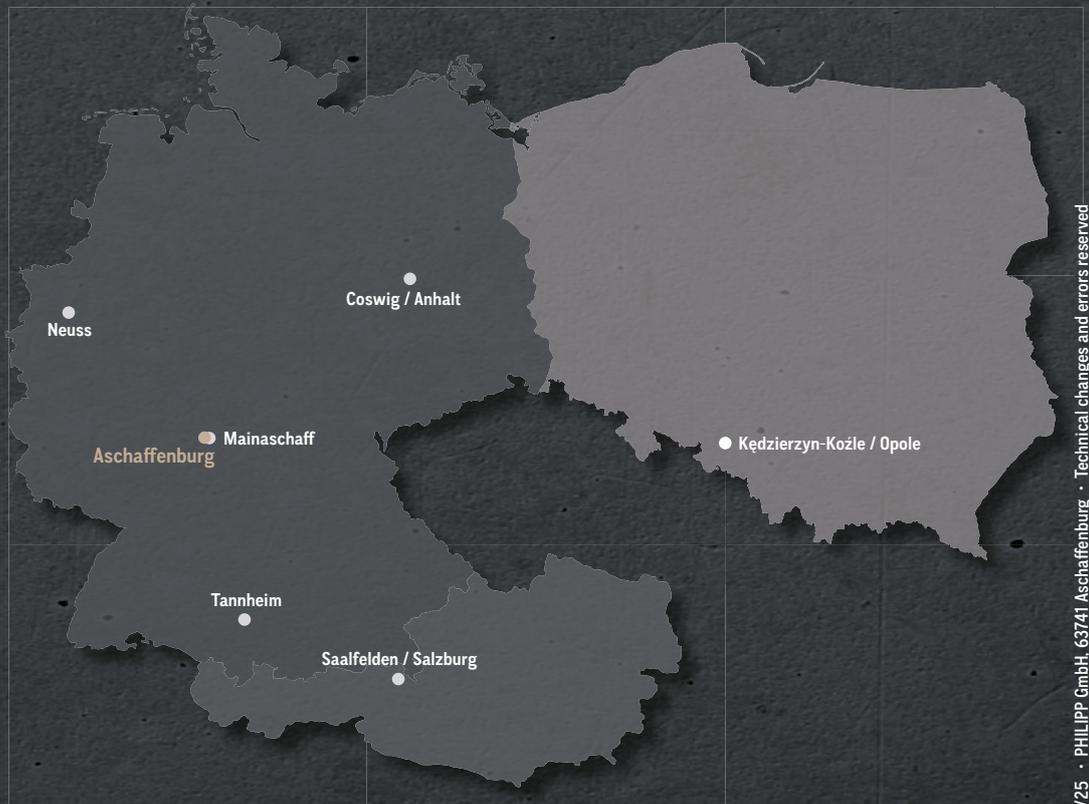
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