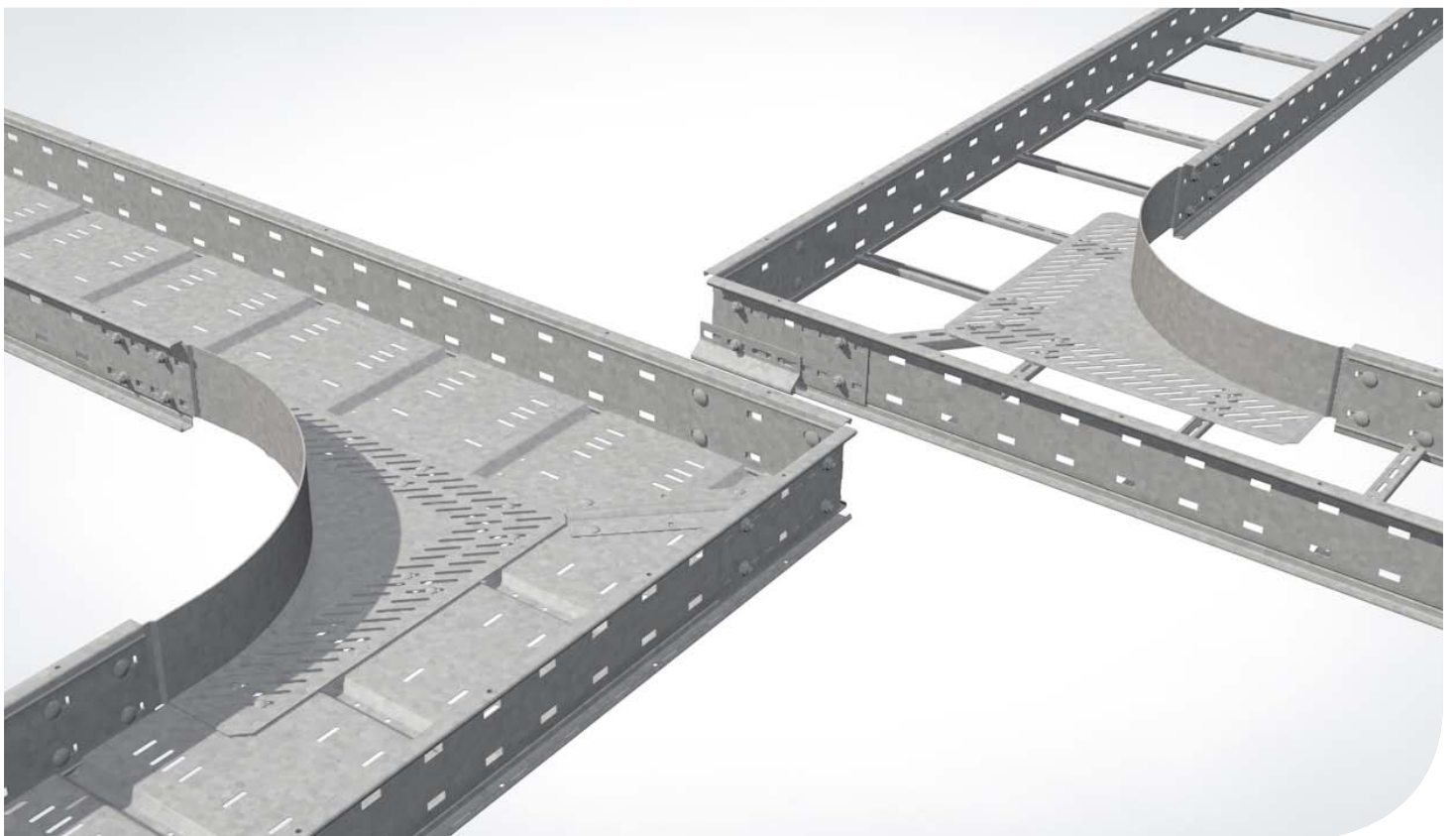




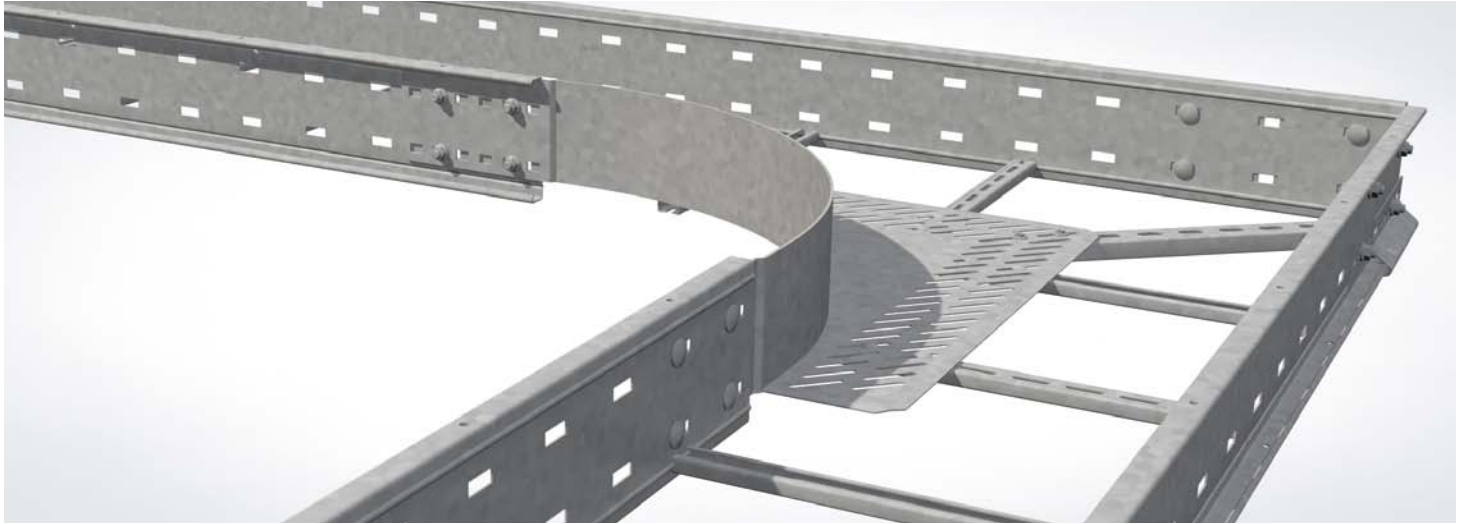
Corner attachment for wide-span systems

Assembly instruction

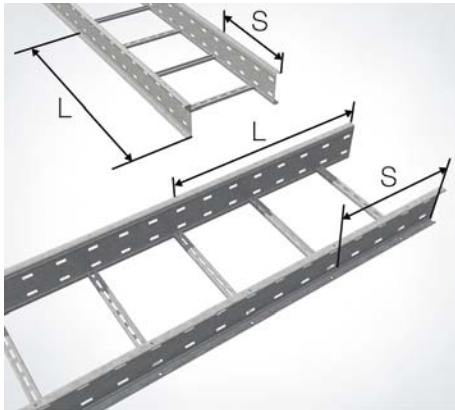


Corner attachment for wide-span systems

Assembly instruction

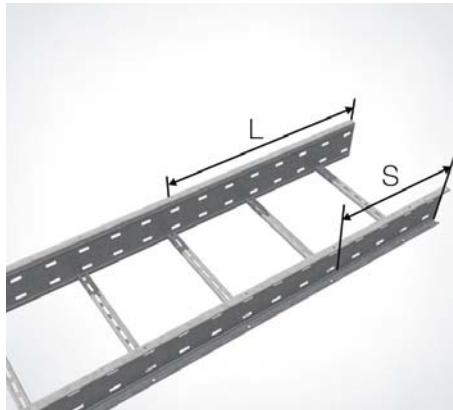


Wide-span cable ladders: The corner attachment element (WPLEAB) is used for a horizontal 90 degrees change of the rotation direction.



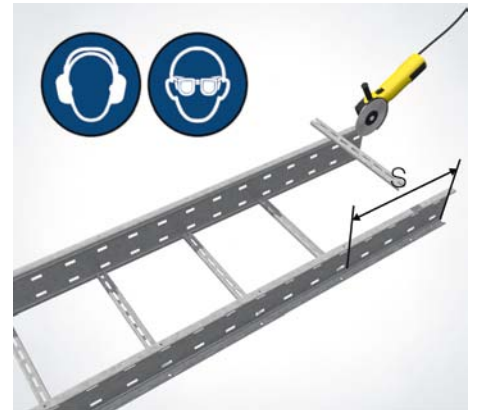
1 | Mark the separating cuts

Select the inner side beams of the direction change for marking the separating cuts. The inner side beams are removed in area L.



2 | Separating cut ranges

Add 150 mm to the ladder width to get the area of the removable rungs (S). Add 520 mm to the ladder width to get the area of the removable side beams (L).



3 | Separat the rungs

Remove completely all frames from both tracks in area S.



4 | Separat the side beams

Remove completely the side beams from the rungs of both wide-span cable ladders.



5 | Position of the screw heads

Align the screw heads on the inside of the wide-span cable ladders to protect the cables.

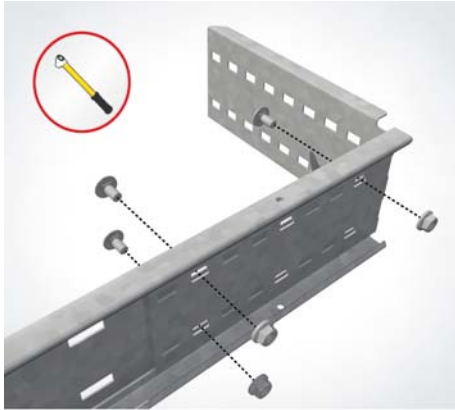


6 | Assemble the corner

Screw the connector of the corner connector with the outside of the side beams by using four screws (KLS 10x20).

Corner attachment for wide-span systems

Assembly instruction



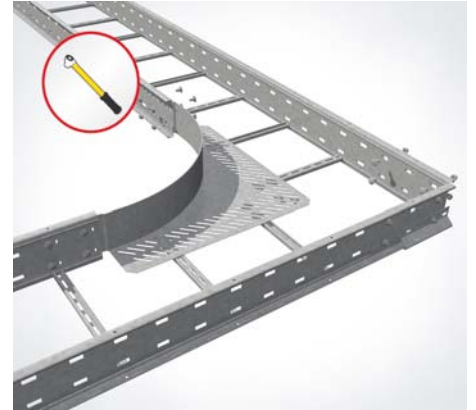
7 | Bend the corner connector

Bend the corner connector centrally up to 90 degrees and screw it with the outside of the side beam using three screws (KLS 10x20).



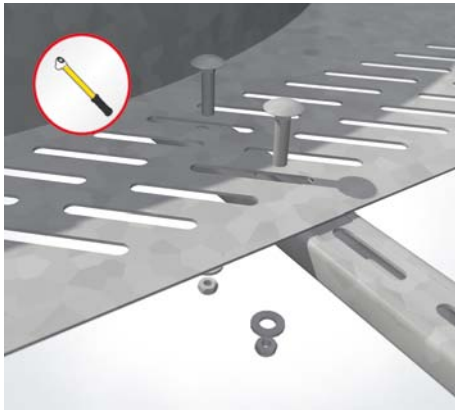
8 | Complete the corner connector

Position the side beam support close to the corner and screw it with the side beam by using the connector (WPVH) and one screw (KLS 10x20).



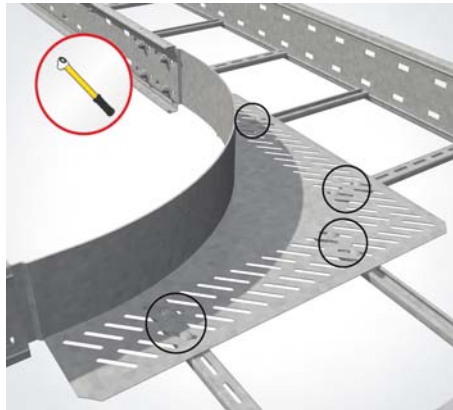
9 | Assemble the attachment tray

Screw the attachment ladder with the corner attachment through the corner connector by using four screws (KLS 10x20) per crossover.



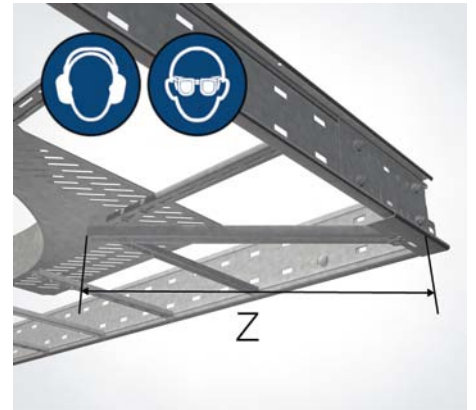
10 | Screw the rungs

Lead the screws from top to down and screw them from the bottom with washer (US 8x17) and nut (SEM 6).



11 | Screw the rungs

Screw all four rungs with the corner attachment by using two screws (FRS 6x25) per rung.



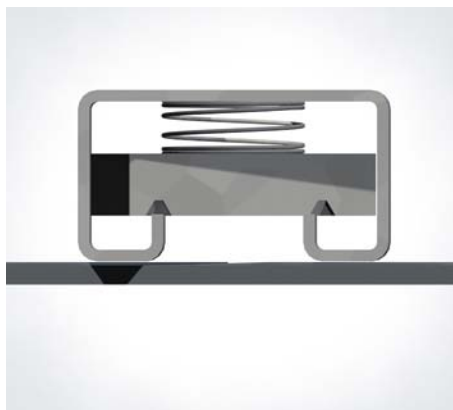
12 | Create an additional rung

Cut the profile (KHA) to the required dimensions: ladder width added with 200 mm.



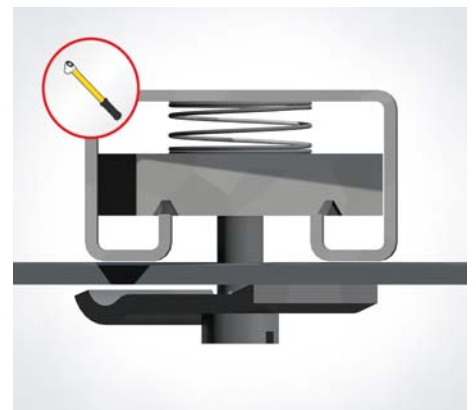
13 | Additional rung

After aligning the additional rung, find the right fixing point for the first screwing.



14 | Complete an additional rung

Position the channel nut (AMF 18 M6) in the end of a rung and lay it on the beam support (WHPS) with the open profile side.

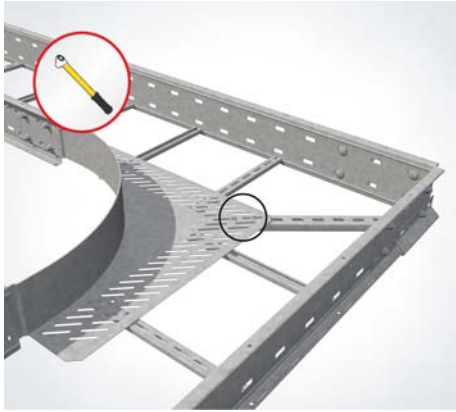


15 | Assemble the additional rung

Screw the screw (FKS 6x20) and its clamping piece (KLU) with the beam support (WHPS) and the channel nut (AMF18 M6).

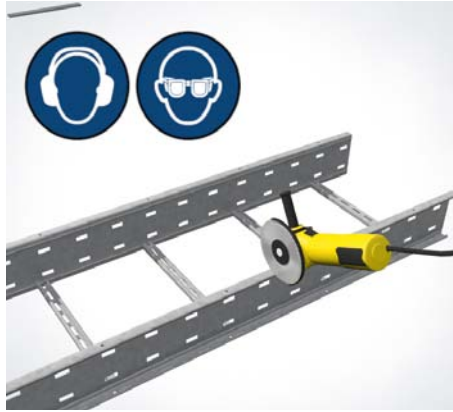
Corner attachment for wide-span systems

Assembly instruction



16 | Additional rung to corner attachment

Screw the additional rung with the corner attachment by using screws (FKS 6x20) and channel nuts (AMA 18 M6).



17 | Separate and cut

If cutting or separating is needed, pay attention to the health and safety protection at the workplace.

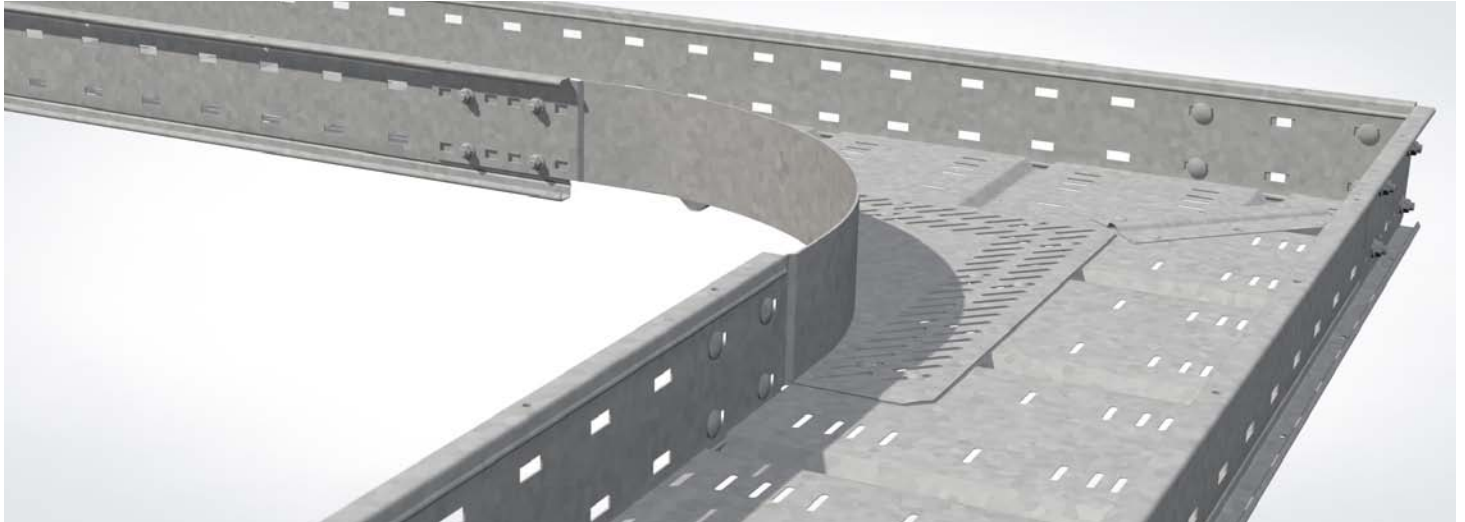


18 | Cold-galvanise

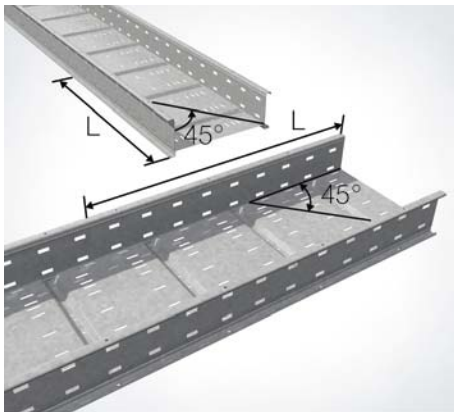
After deburring, coat all cutting and separating areas with cold zinc paint (KZF) or cold zinc spray (KZS).

Corner attachment for wide-span systems

Assembly instruction

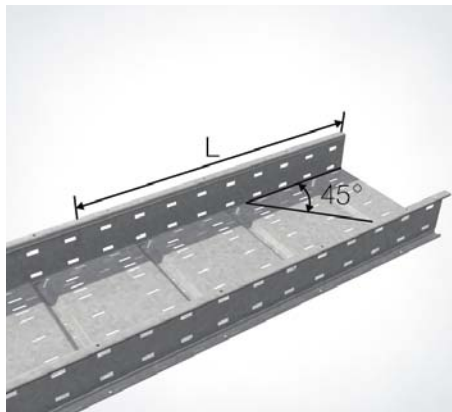


For wide-span cable trays: The corner attachment element (WPLEAB) is used for a horizontal 90 degrees change of the rotation direction.



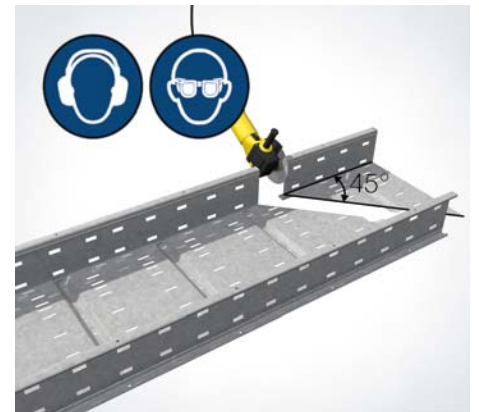
1 | Mark the separating cuts

Select the inner side beams of the direction change for marking the separating cuts. The inner side beams are removed in area L.



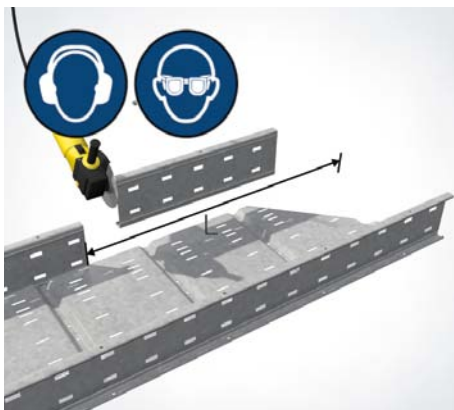
2 | Separating cut ranges

Add 520 mm to the ladder width to get the area of the removable side beams (L). Use mitre cuts of the track ends.



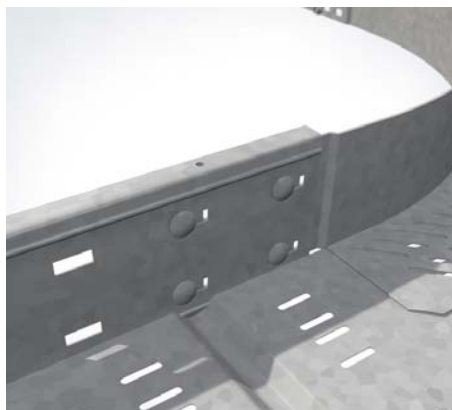
3 | Mitre cut in floor plate

Use mitre cuts in 45 degrees at the end of the wide-span cable trays and the floor plate.



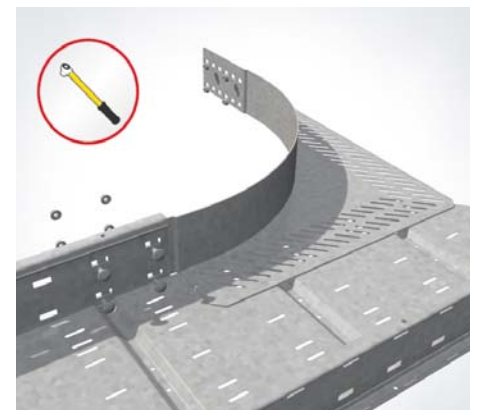
4 | Separat beams and floor plates

Separat the side beams from the remaining floor plate shown in area L and remove them completely.



5 | Position of the screw heads

Align the screw heads on the inside of the wide-span cable ladders to protect the cables.

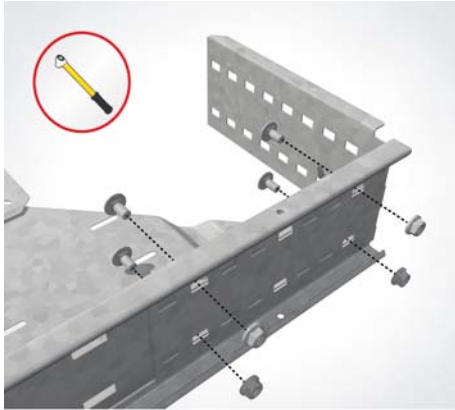


6 | Assemble the corner attachment

Screw the connector of the corner attachment with the outside of the side beams by using four screws (KLS 10x20).

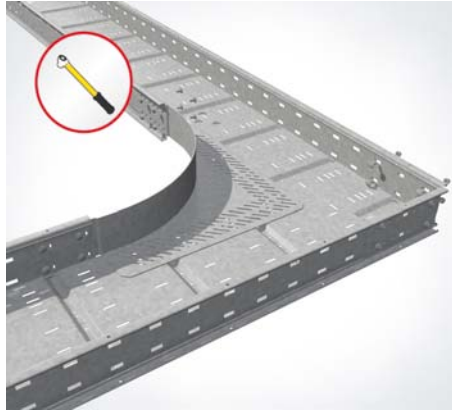
Corner attachment for wide-span systems

Assembly instruction



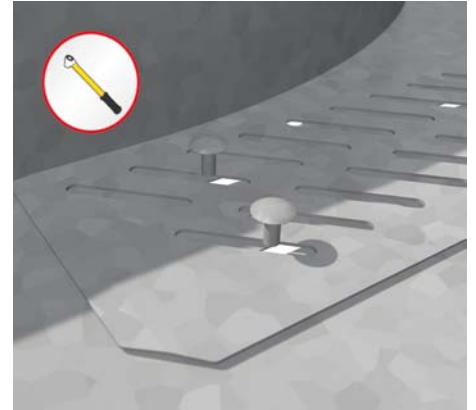
7 | Bend the corner connector

Bend the corner connector centrally up to 90 degrees and screw it with the outside of the side beam using three screws (KLS 10x20).



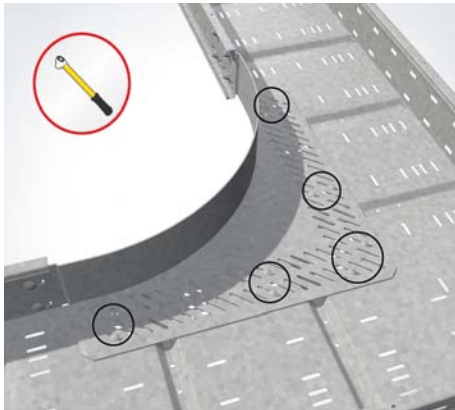
8 | Complete the corner connector

Position the side beam support (WHP) close to the corner and screw it with the side beam by using the connector (WPVH) and a screw (KLS 10x20).



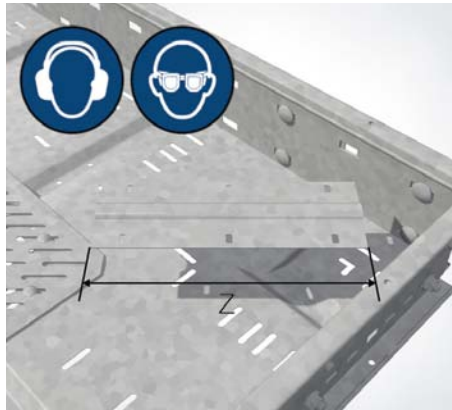
9 | Assemble the corner attachment

Lead the screws from top to down and screw them from the bottom with a nut (SEMS M6).



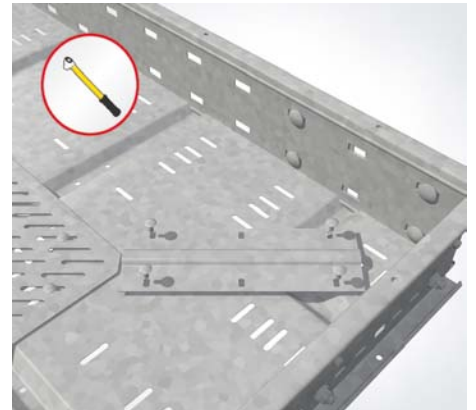
10 | Screw the corner attachment

Screw the corner attachment with five screws (FRSV 6x16) per hole series (in total ten screws).



11 | Separate the connection plate

Cut the connection panel (VB-BS) to the required length Z (tray width less 100 mm).



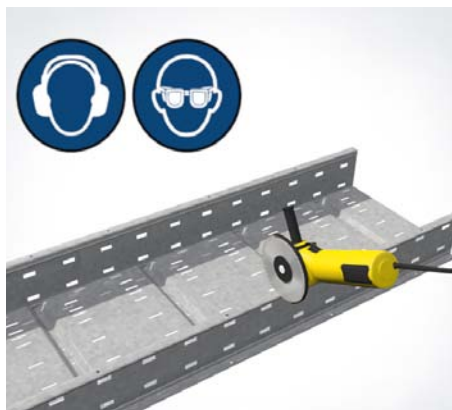
12 | Assemble the connection plate

In the mitre cut area, screw the connection plate (VB-BS) with the cable tray bottom using four screws (FRSV 6x16) and nuts (SEMS M6).



13 | Assemble the connection plate

If needed, drill missing holes with $\varnothing = 7$ mm in the cable tray according to the connection plate.



14 | Separate and cut

If cutting or separating is needed, pay attention to the health and safety protection at the workplace.



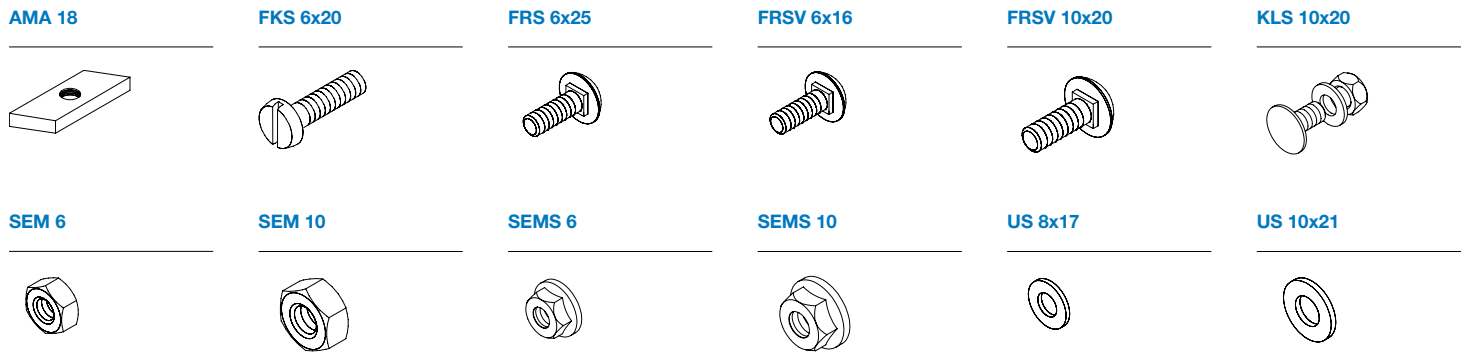
15 | Cold-galvanise

After deburring, coat all cutting and separating areas with cold zinc paint (KZF) or cold zinc spray (KZS).

Corner attachment for wide-span systems

Assembly instruction

Legend Accessories



Legend Symbols



Wear protective goggles



Wear hearing protection



Note screw tightening torque for fastening elements



Attention

Screw tightening torque

Bolt diameter	Strength class screw (DIN 267-3)	Strength class nut (DIN 267-4)	Screw tightening torque [Nm] as per VDI 2230
M6	4.6	5	4
M6	8.8	8	14
M10	4.6	5	16
M10	8.8	8	68



Irrtümer und technische Änderungen vorbehalten. Nachdruck sowie jegliche elektronische Vervielfältigung nur mit unserer schriftlichen Genehmigung. Mit Erscheinen dieser Drucksache verlieren alle vorhergehenden Unterlagen ihre Gültigkeit.

