

MEISER®

Profile Planking and Stairtreads



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MEISER®



MEISER is a medium sized company specialising in Open Bar Grating, Profile Planks, Stairways, Stair-treads, Galvanising and Slit Steel Materials.

There are two main factories in Germany, one at Schmelz-Limbach in the Saarland and the other at Oelsnitz in Saxony plus other subsidiaries in Belgium, France, Hungary, Egypt and Dubai.

Both German plants have Galvanising, Slitting and Cold Rolling facilities which ensure high quality is maintained throughout our manufacturing processes.

We have MEISER Sales Offices and Agencies worldwide, guaranteeing a local contact and a personal customer experience. The company employs 1800 people world wide with over 1200 of them in the German factories.

The company was founded in 1956 by Edmund Meiser and to this day has remained a family owned and run enterprise with traditional values ensuring quality and reliability. We trust in our flexible and committed workforce along with our ability to invest in state of the art ultra efficient machinery.

To us, business is primarily to do with people. We place high value on personal and individual contact with our business associates and customers. We believe that progress and growth is only feasible when customers are satisfied with our products and levels of service.

Various project collaborations that we have created together with our customers confirm our strategy.

We look forward to welcoming you as a customer!

Edmund, Wolfgang & Ulrich Meiser

PICTURE RIGHT AND TOP LEFT:
OELSNITZ SITE
PICTURE TOP RIGHT:
LIMBACH SITE





OPEN SURFACE WITH SERRATIONS

Stepbloc D

Stepbloc F

Stepbloc U

Tolplus N





Stepbloc D

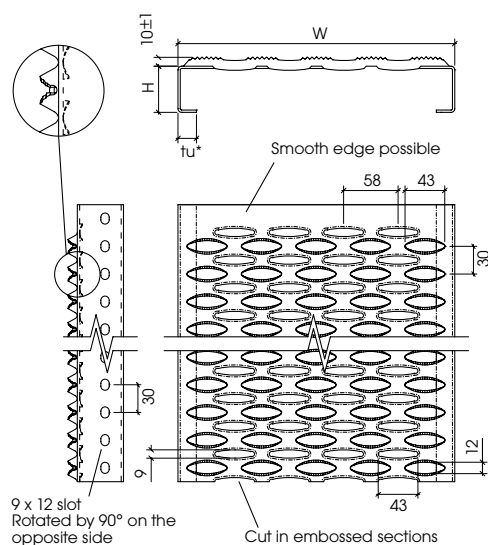
The medium height serrations on this densely punched surface offer good plank stability with superior anti-slip properties. They are especially good for use in areas where oil and grease are prevalent.

Stepbloc D, due to its excellent grip and self draining properties is ideally suited for use in automotive, construction, industrial and agricultural applications.



Stepbloc F

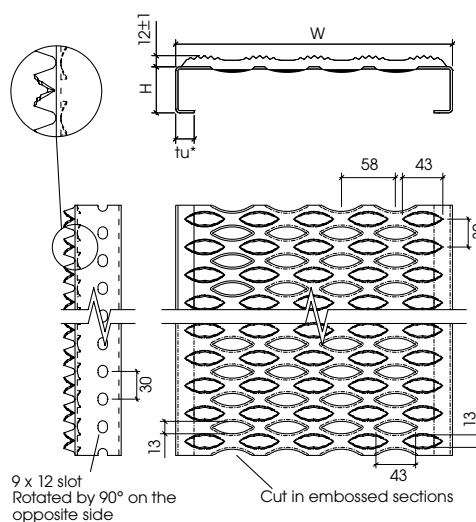
The extra height serrations on this densely punched surface offer good plank stability with superior anti-slip properties. Offering extremely efficient drainage properties due to the punched serration height and profile. Stepbloc F, as all other Stepbloc types is ideal for use on fire escapes, gangways, platforms and stairways in industrial and commercial market sectors.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5	R13 / R12
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5	R13 / R12
Aluminium (AlMg ³)	2.5 / 3.0	R13 / R12
Stainless steel (1.4301)	-	-
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 30, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R13 / R12
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R13 / R12
Aluminium (AlMg ³)	2.5 / 3.0	R13 / R12
Stainless steel (1.4301)	2.0	R13 / R12
Widths	124 / 182 / 240 / 298 / 356 / 414 / 475	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 30, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



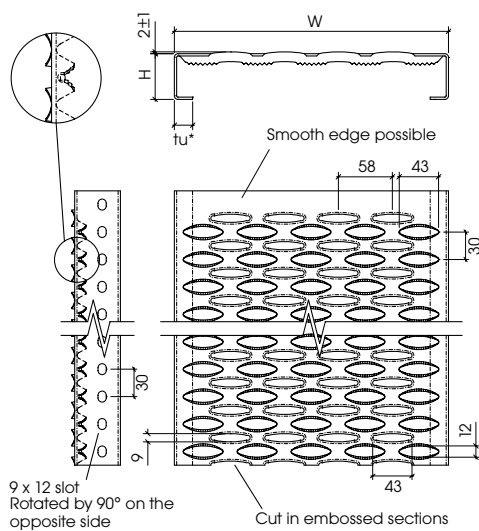
Stepbloc U

Like the other members of the Stepbloc family, Stepbloc U is characterised by a high degree of air permeability. The non-serrated punched sections make the surface less harsh.



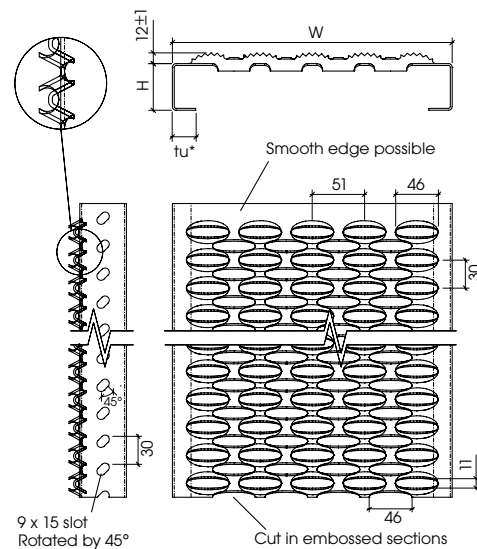
Tolplus N

Tolplus N likewise is the best option for pedestrian walking safety and high stability thanks to its punched serrations. Like all the other Stepbloc types, Tolplus N is well-suited to use on gangways, platforms and safety stairways. The drainage action is extremely effective owing to the steep raised profile, thus providing the best conditions for use outdoors.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5	R12 / R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5	
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	-	-
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 30, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R12
Sendzimir galvanised steel (DX51Z275)	2.0	R12
Aluminium (AlMg ³)	3.0	R12
Stainless steel (1.4301)	2.0	R12
Widths	182 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 30, max. 4,020	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



PERFORATIONS AND EMBOSSING IN BOTH DIRECTIONS

Formstep N

Stephuit N

Tolhuit N

Formstep 04

Stepclair N

Tolmixte N

Ultrastep N

Tolcreneaux N





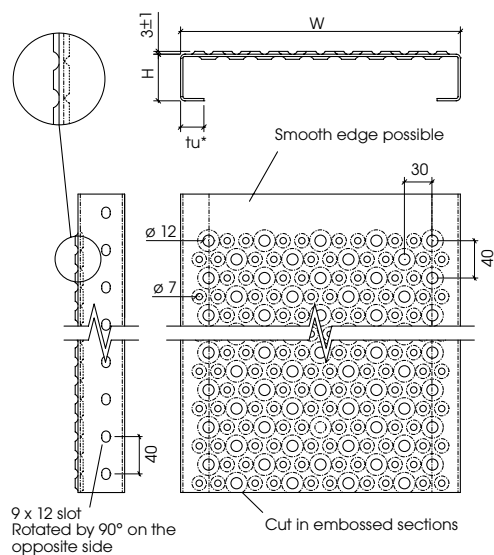
Formstep N

Small perforations are punched upwards with larger perforations punched downward, giving this plank its stability, self-drainage and anti-slip properties. This plank can be used outdoors and is ideal for steps, gangways, platforms machine operator stations or scaffold boards.



Stephuit N

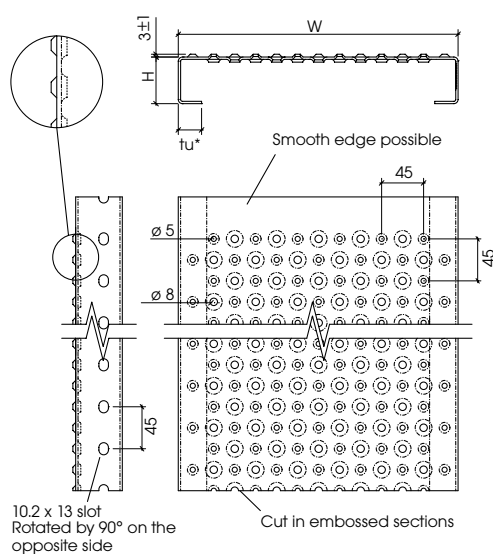
A profile plank system which is suitable for a wide range of applications, characterised by the good anti-slip properties of its surface features. Suitable for use in all applications, including public access areas where small perforations are a requirement.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R11
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R11
Aluminium (AlMg ³)	2.5 / 3.0	R12
Stainless steel (1.4301)	2.0	R11
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



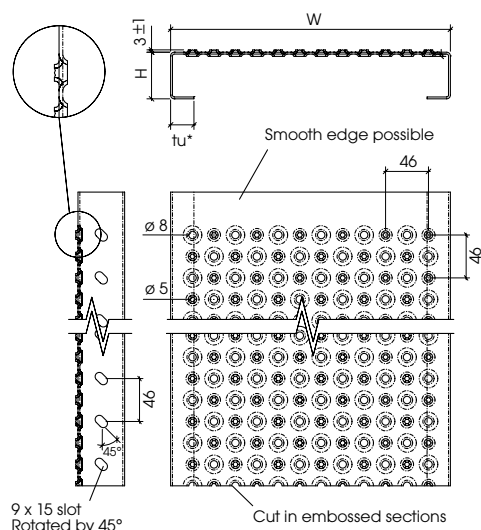
Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Tolhuit N

A plank with small perforations stamped upwards and large perforations stamped downwards. In addition, serrations give the plank a good anti-slip effect. This means it can be used both indoors and outdoors for stairway installations, platforms and gangways.



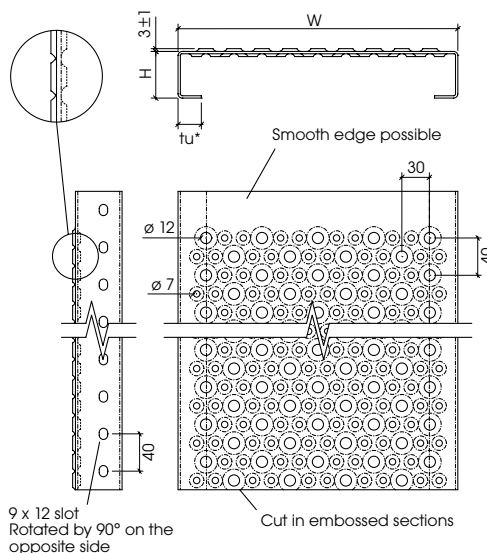
Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	similar design
Sendzimir galvanised steel (DX51Z275)	2.0	TOLMIXTE N
Aluminium (AlMg ³)	3.0	
Stainless steel (1.4301)	2.0	
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Formstep O4

This plank has the same advantages as Formstep N, but in this case the large perforations are stamped upwards and the small holes face downwards, which improves the anti-slip effect of this type.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R12
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R12
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	R12
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



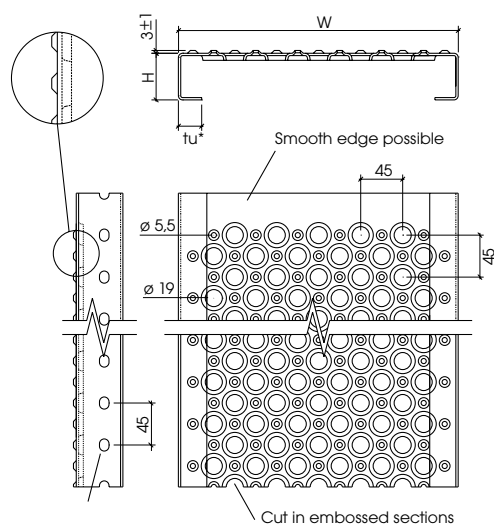
Stepclair N

This plank is characterised by its anti-slip surface and effective drainage action. It can be used in the industrial sector in operator stations, on gangways, as a stairtread in staircases, and also as a plank for scaffolding. It also has other uses as sun protection and in automotive engineering.



Tolmixte N

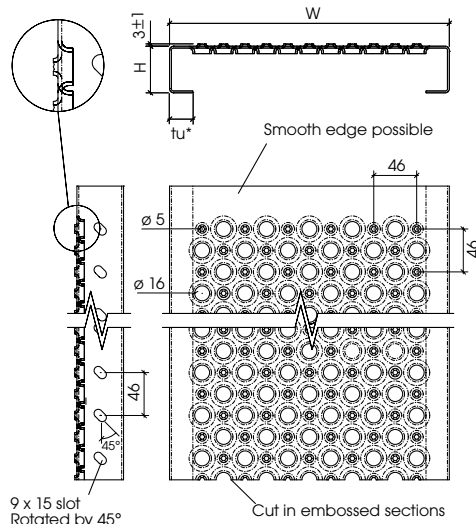
Tolmixte has the same properties as Stepclair N, but the small, upward-facing holes are additionally serrated.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	R13
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R12
Sendzimir galvanised steel (DX51Z275)	2.0	R12
Aluminium (AlMg ³)	3.0	R12
Stainless steel (1.4301)	2.0	R12
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



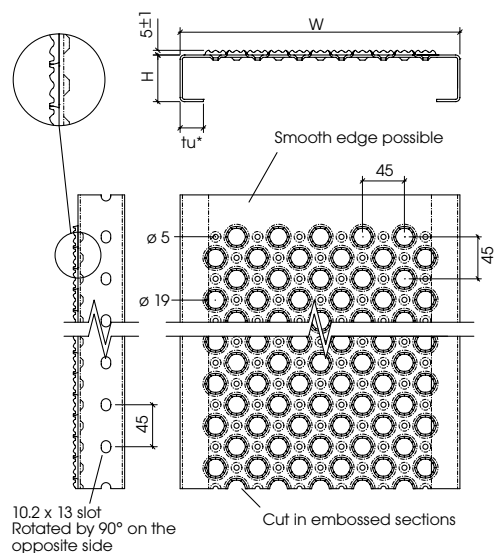
Ultrastep N

This profile planking has outstanding anti-slip properties which are effective in all directions. This type also has perforations which are stamped downwards, which additionally allow liquids to flow away and therefore favour use outdoors or in areas where liquids are used.



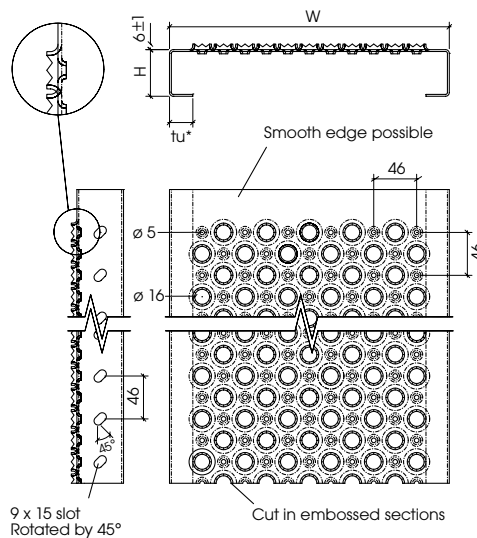
Tolcreneaux N

The advantage of this type is its excellent anti-slip action in all directions, which is produced by its star-shaped, serrated perforations. The perforations which are stamped downwards allow liquids to flow away. This makes the plank especially suitable for use outdoors or in areas where liquids are used.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R13
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R13
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R12
Sendzimir galvanised steel (DX51Z275)	2.0	R12
Aluminium (AlMg ³)	3.0	R12
Stainless steel (1.4301)	2.0	R12
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



SURFACE WITH UPWARD PERFORATIONS,
DOWNWARD PERFORATIONS AND EMBOSSING

Toldeco 8

Toldeco 10

Formstep 07





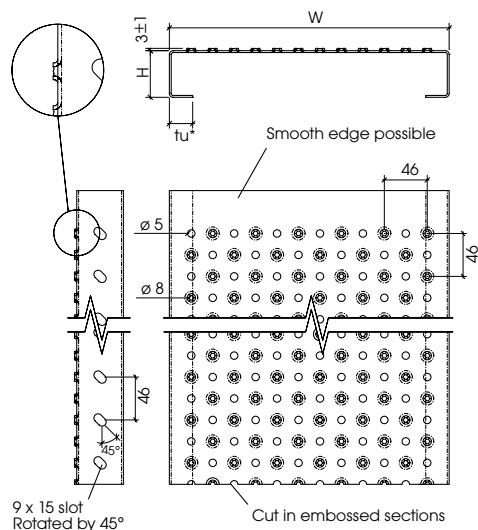
Toldeco 8

Toldeco 8 has small, upward punched holes which, with their additional serrations, give the plank good anti-slip properties. The holes have a diameter of 8 mm to ensure that liquids can drain off. This plank type can be used both indoors and outdoors for stair installations, platforms and gangways.



Toldeco 10

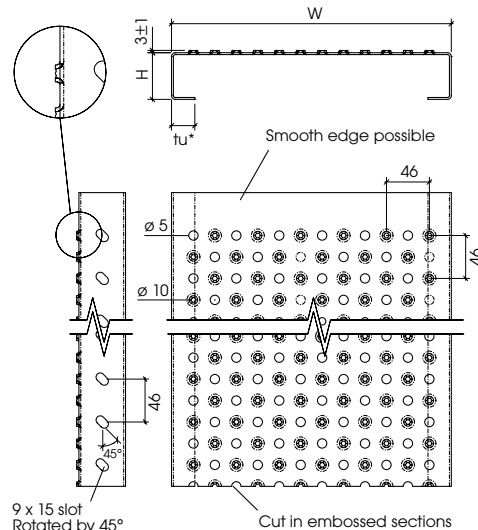
This plank type has almost the same properties as the Toldeco 8, but the 10-mm diameter of the holes allows liquids to drain off even more effectively. Its small, upward punched holes and the additional serrations ensure good anti-slip properties. This plank type can be used both indoors and outdoors for stair installations, platforms and gangways.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R11
Sendzimir galvanised steel (DX51Z275)	2.0	R11
Aluminium (AlMg ³)	3.0	R11
Stainless steel (1.4301)	2.0	R11
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R11
Sendzimir galvanised steel (DX51Z275)	2.0	R11
Aluminium (AlMg ³)	3.0	R11
Stainless steel (1.4301)	2.0	R11
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

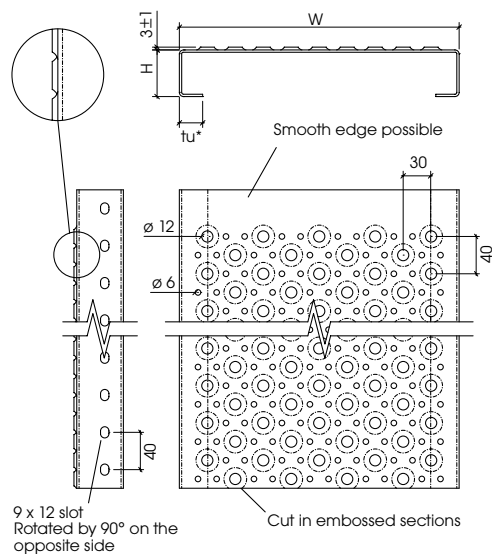
Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Formstep 07

A plank with large, upward stamped holes which give it an effective anti-slip action and smaller, punched holes which ensure that liquids drain off and dust falls through.

This means it can be used both indoors and outdoors for stair installations, platforms and gangways.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	R13
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



SURFACE WITH UPWARD FACING PERFORATIONS AND EMBOSSING

Formstep 05

Tolgrip N

Ultrastep 01

Tolcreneaux 01

Tolpicot N

Toltop N

Aderstep N





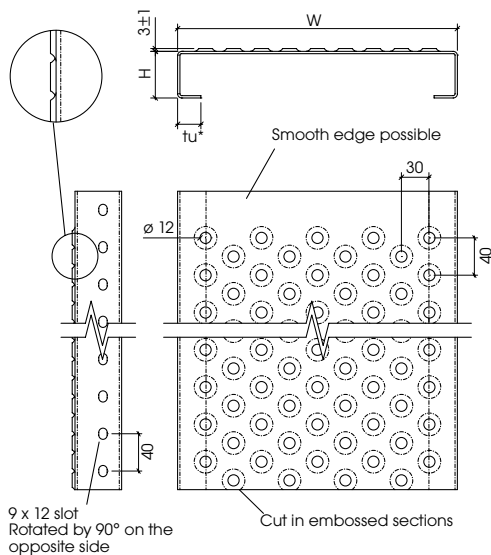
Formstep 05

This plank has very good anti-slip properties. Its upward facing punched perforations make it especially suitable for indoor applications.



Tolgrip N

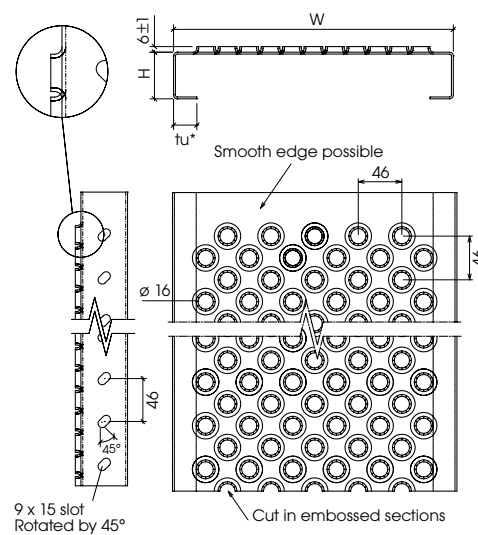
Large upward facing punched perforations give this plank an extremely effective anti-slip action. Tolgrip N is used predominantly indoors in the industrial sector for gangways and platforms.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R12
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R12
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

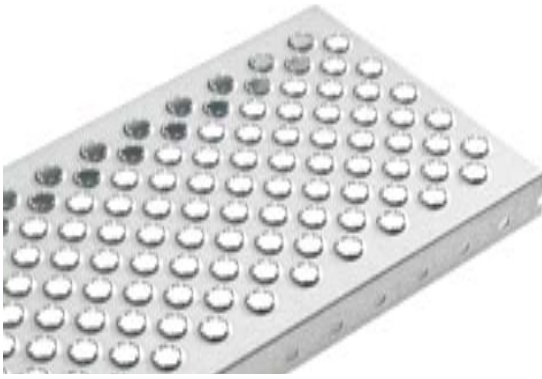
Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

* t_u = lower edge bending



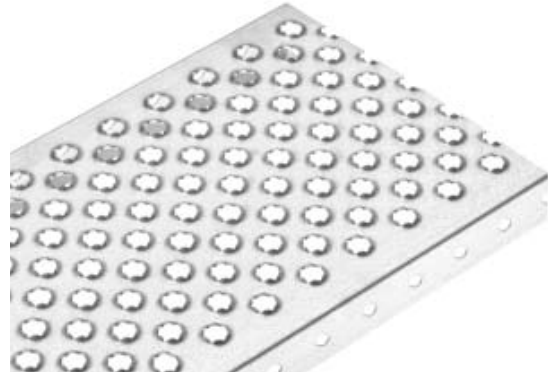
Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R13
Sendzimir galvanised steel (DX51Z275)	2.0	R13
Aluminium (AlMg ³)	3.0	R13
Stainless steel (1.4301)	2.0	R13
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



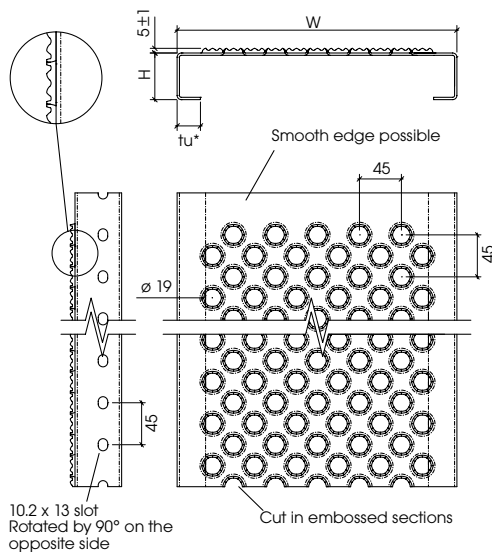
Ultrastep 01

The advantage of this type is its excellent anti-slip action in all directions, which is produced by its star-shaped, serrated perforations. This makes this plank particularly suitable for areas where extremely high slip resistance is demanded, for example as stairtreads and in gangways and platforms in the industrial sector.



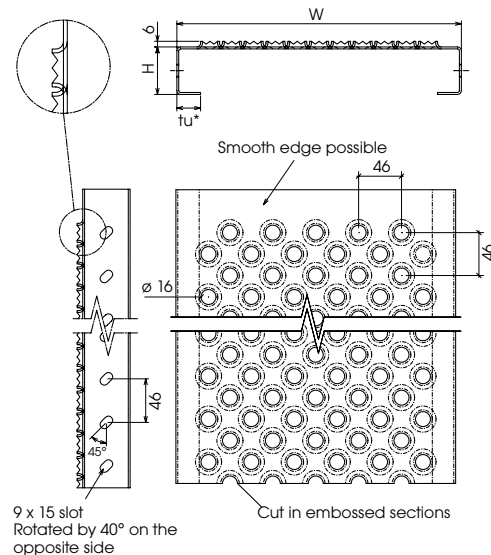
Tolcreneaux 01

The advantage of this type is its excellent anti-slip action in all directions, which is produced by its star-shaped, serrated perforations. The perforations allow liquids to flow away. This makes the plank especially suitable for use outdoors or in areas where liquids are used.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	similar design
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	ULTRASTEP N
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	similar design
Sendzimir galvanised steel (DX51Z275)	2.0	TOLCRENAUX N
Aluminium (AlMg ³)	3.0	
Stainless steel (1.4301)	2.0	
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



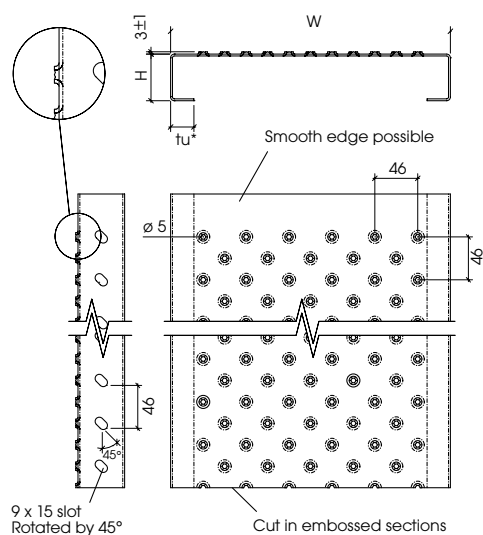
Tolpicot N

Tolpicot N is slip resistant on the one hand, but on the other hand the almost completely closed surface prevents small parts from falling through. The plank is opaque and allows comfortable walking and standing at great heights. Tolpicot N can be used in industrial and public areas, but preferably indoors.



Toltop N

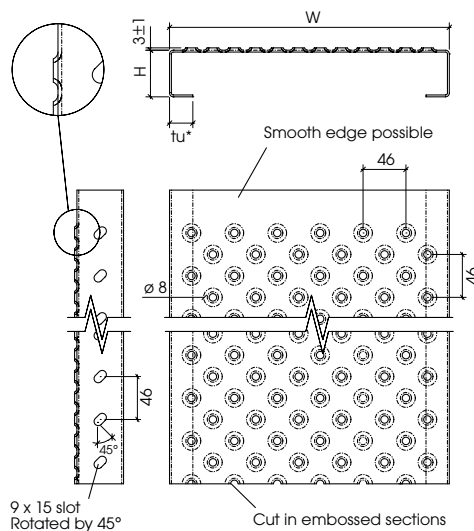
This plank is slip resistant on the one hand and prevents small parts from falling through on the other. This makes it possible to walk and stand safely at great heights. Toltop N can be used in industrial and public areas, but preferably indoors.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R12
Sendzimir galvanised steel (DX51Z275)	2.0	R12
Aluminium (AlMg ³)	3.0	R12
Stainless steel (1.4301)	2.0	R12
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



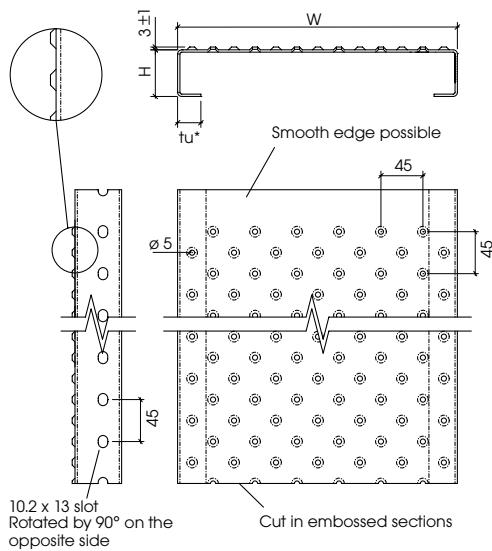
Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	
Sendzimir galvanised steel (DX51Z275)	2.0	
Aluminium (AlMg ³)	3.0	
Stainless steel (1.4301)	2.0	
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



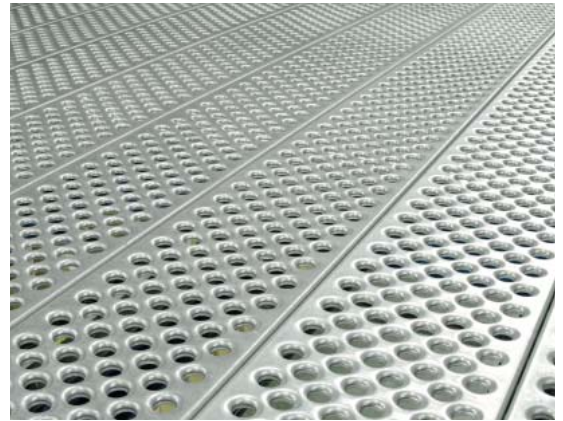
Aderstep N

Adrestep N has the same properties as Tolpicot N, but the punched sections are additionally serrated in this plank type.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	R12
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

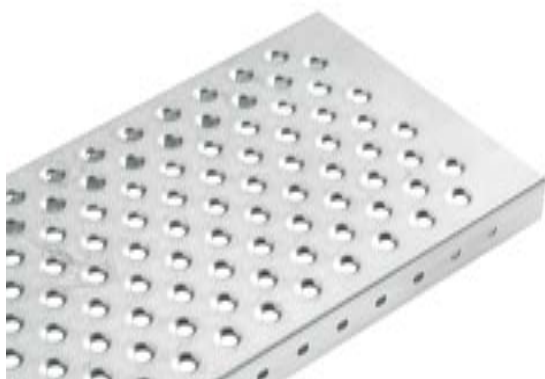
Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



SURFACE WITH DOWNWARD FACING PERFORATIONS AND EMBOSSING

Formstep 06
Airstep N
Tolplan N





Formstep 06

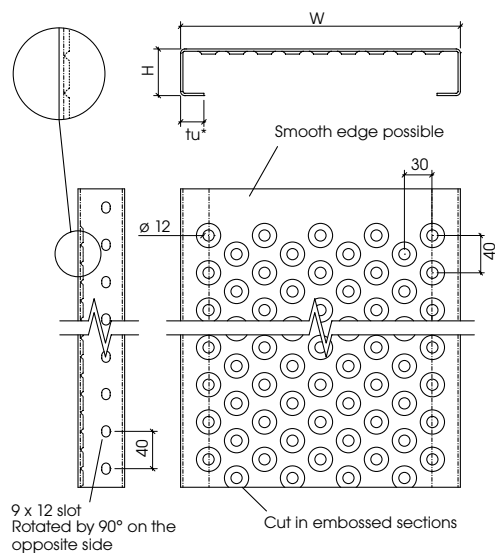
Formstep 06 is characterised by its very smooth top surface. It has good light permeability, ventilation and drainage properties. Rubber studs can be inserted to offer enhanced slip resistance.

(See page 39 – Formstep G6)



Airstep N

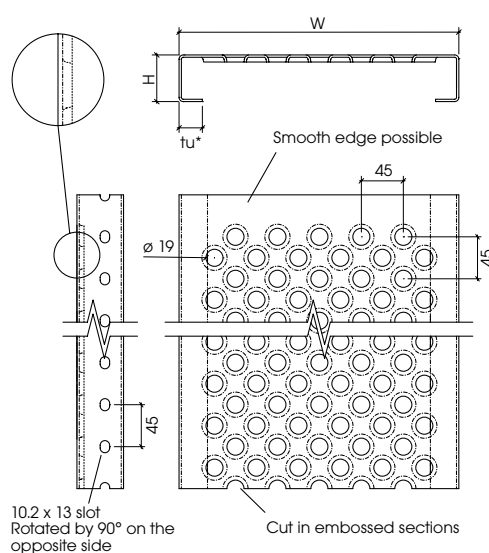
This plank, with its visually appealing round perforations can be used for sun protection or as facade planks in the architectural market sector. Having a comparatively smooth upper surface it is a very good alternative for shelving or racking which offers good air circulation and light permeability.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



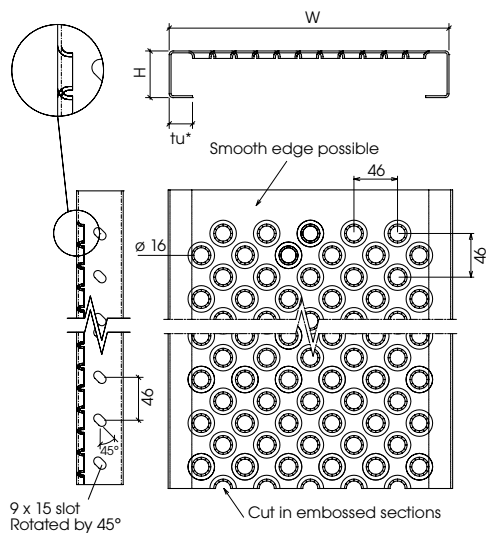
Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Tolplan N

Tolplan N can be used in areas where class R9 anti-slip properties are sufficient. The large, downward stamped perforations allow a good drainage effect and good air circulation. Tolplan N can be used in building facades and shelving.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R9
Sendzimir galvanised steel (DX51Z275)	2.0	R9
Aluminium (AlMg ³)	3.0	R9
Stainless steel (1.4301)	2.0	R9
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 46, max. 4,002	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



SURFACE WITH UPWARD FACING EMBOSSING
AND DOWNWARD FACING PERFORATIONS
AND EMBOSSING

Stepclair 01

Stephuit 01





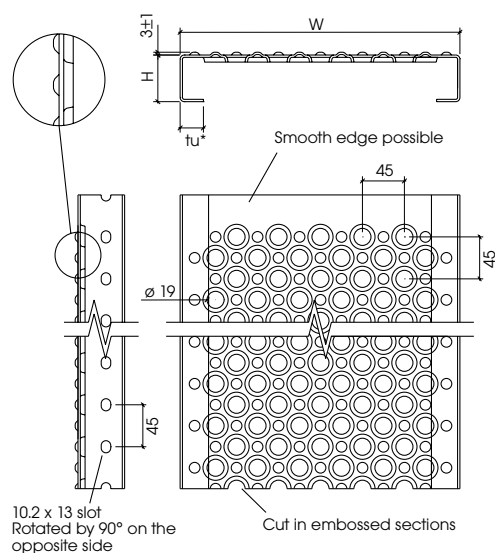
Stepclair 01

Stepclair 01, with its large downward facing punched perforations has good drainage and light permeability. The upward facing embossing offers adequate anti-slip resistance. Stepclair 01 is suitable for operator platforms, gangways, steps and landings for stair installations in the industrial market sector.



Stephuit 01

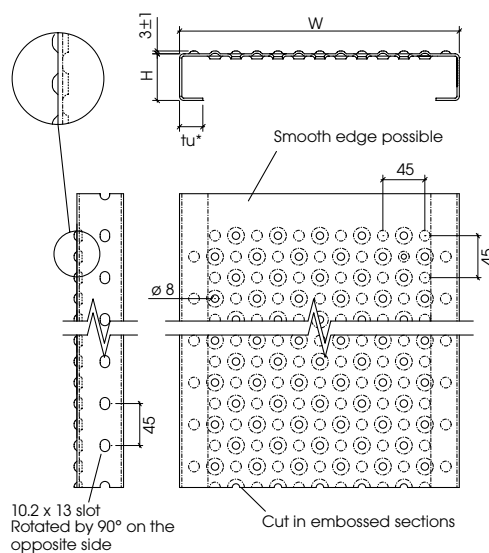
Stephuit 01 has upward facing embossing which has no sharp edges but still offers adequate anti-slip resistance. Stephuit 01 can be used in industrial and public market sectors.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

PICTURE RIGHT:
FLOORING,

MULTI-STOREY CAR PARK, TRADE STUTTGART





SLOTTED SURFACE

Stepplus N

Tolroc N

Stepplus 01

Stepplus 02





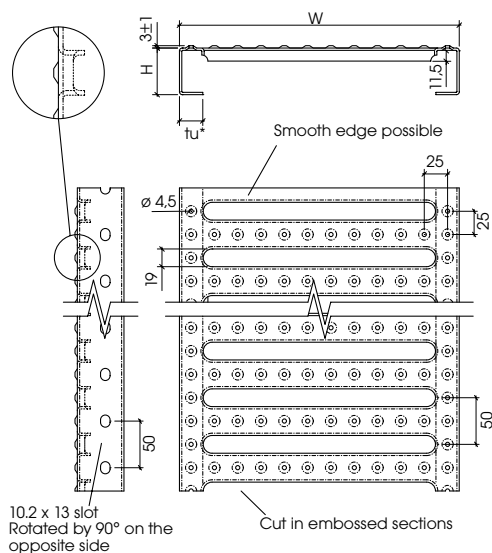
Stepplus N

This type has an anti-slip surface and very high transverse stiffness by means of which a high point load is achieved. It also has an effective drainage action. Stepplus is used mainly in the industrial sector but can also be used in public and private areas. Stepplus N is also suitable as wall cladding or an architectural element.



Tolroc N

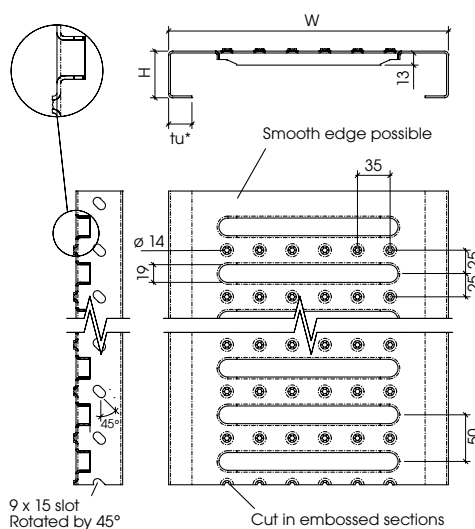
Tolroc N's serrated, upward punched holes mean good anti-slip properties. A high point load is achieved thanks to its very high transverse stiffness. Tolroc N is used primarily in the industrial sector. The large, downward punched openings ensure very good drainage action.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5	R11
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5	R11
Aluminium (AlMg ³)	-	-
Stainless steel (1.4301)	2.0	R13
Widths	125 / 200 / 250 / 300	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 50, max. 4,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



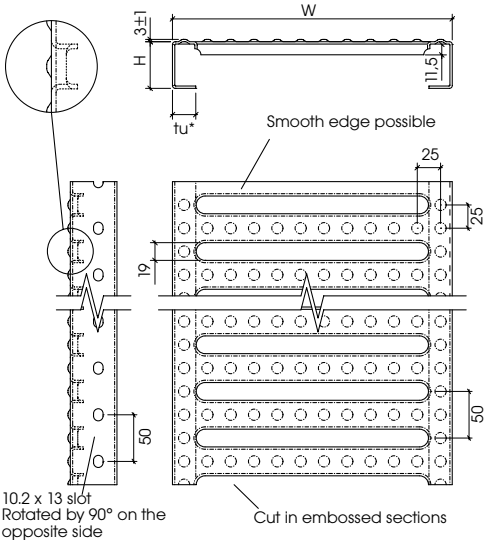
Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R11
Sendzimir galvanised steel (DX51Z275)	2.0	R11
Aluminium (AlMg ³)	3.0	R11
Stainless steel (1.4301)	2.0	R11
Widths	160 / 180 / 240 / 320	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 50, max. 4,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Stepplus 01

Stepplus 01 offers both very high transverse stiffness and sufficient anti-slip properties. In contrast to Stepplus N, however, the small embossed sections are not perforated. It has very effective drainage action and is used mainly in industrial areas, for example in flour mills or breweries.



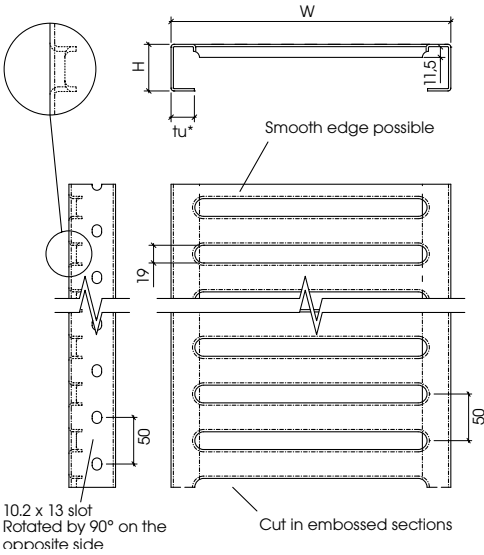
Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5	
Aluminium (AlMg ³)	-	-
Stainless steel (1.4301)	2.0	
Widths	125 / 200 / 250 / 300	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 50, max. 4,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Stepplus 02

This plank combines the advantages of a smooth surface and excellent transverse stiffness. It allows light through and is used in particular where no anti-slip properties are needed, for example as shelves in storage areas.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5	
Aluminium (AlMg ³)	-	-
Stainless steel (1.4301)	2.0	
Widths	125 / 200 / 250 / 300	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 50, max. 4,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



CLOSED SURFACE

Formstep G1
Formstep G2
Formstep G6
Aderstep G1
Toldiamant G
Steplarm G
Bostep G
Smooth plate





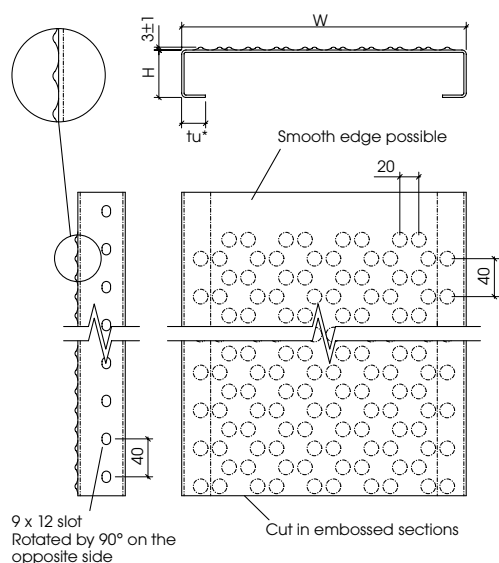
Formstep G1

A plank which is used generally indoors due to its closed surface. The star-shaped embossed pattern gives the plank an interesting appearance, while the surface is not harsh but still has sufficient anti-slip properties.



Formstep G2

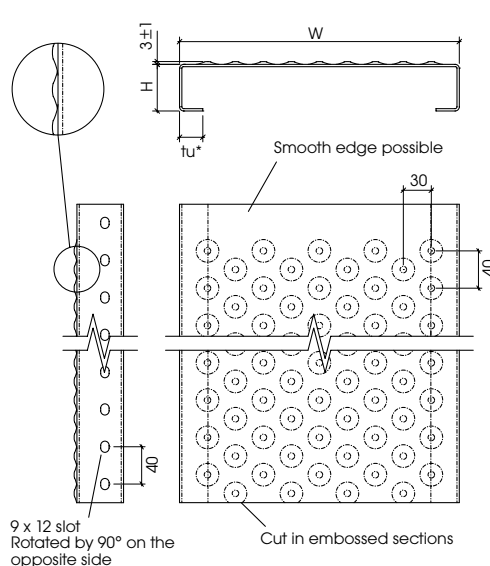
This closed plank version has larger, round embossed sections, which give the plank slip resistance and ensure safe standing. It is particularly suitable indoors and in areas where objects are to be prevented from falling through.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	-	-
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R9
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R9
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	-	-
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



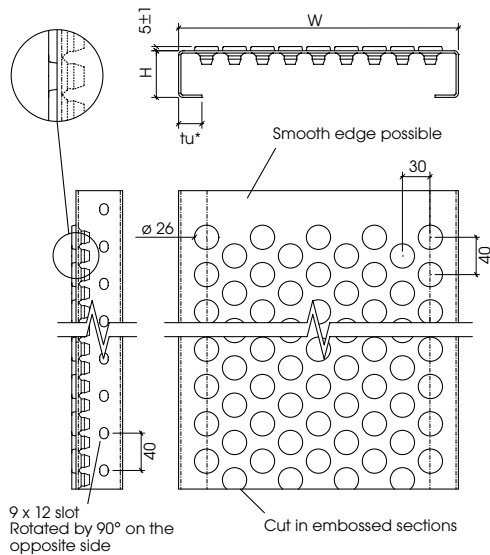
Formstep G6

This plank is used indoors. The rubber studs give the plank sufficient anti-slip properties. The noise level is also reduced, as the sheet metal is not trodden on directly. The rubber studs are available in black and red and are supplied loose. (Fig. incl. studs.). 750 studs per m².



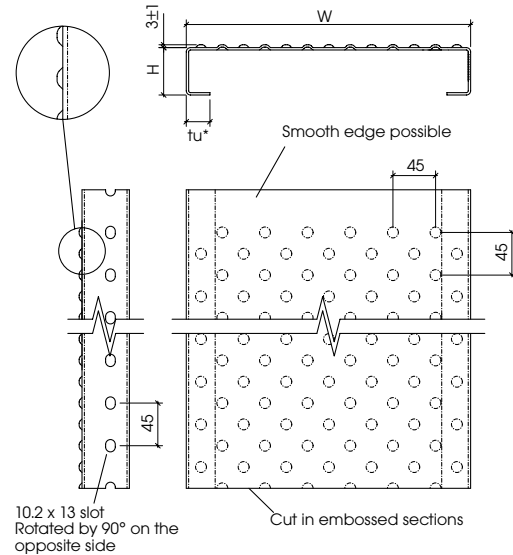
Aderstep G1

Despite its closed surface, this plank type has an anti-slip surface. The very small, linearly arranged embossed sections give the Aderstep G1 an aesthetically pleasing appearance, which also makes it of interest for use in architectural applications. This can be in the industrial sector as well as in public and private areas.



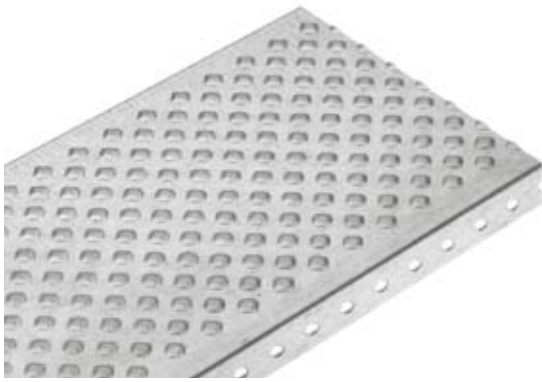
Material	Sheet thickness	
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	120 / 180 / 240 / 300 / 360 / 420 / 480	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 40, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



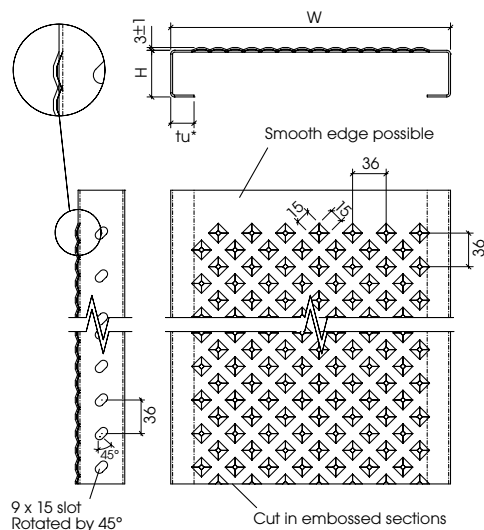
Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 330 / 356 / 414 / 475	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	Length factors of 45, max. 6,030	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Toldiamant G

The closed surface can screen off areas from view. Nothing can fall or drip through, but safe standing is still ensured. It is used generally in the architectural sector as well as indoors and as a facade plank.



Material	Sheet thickness	AS class (CSTB)
Raw / hot-dip galvanised steel (DD11)	2.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0	R10
Aluminium (AlMg ³)	3.0	R10
Stainless steel (1.4301)	2.0	R10
Widths	180 / 240 / 300	
Heights	30 / 50 / 75 / 100	
Lengths	Length factors of 36, max. 3,996	

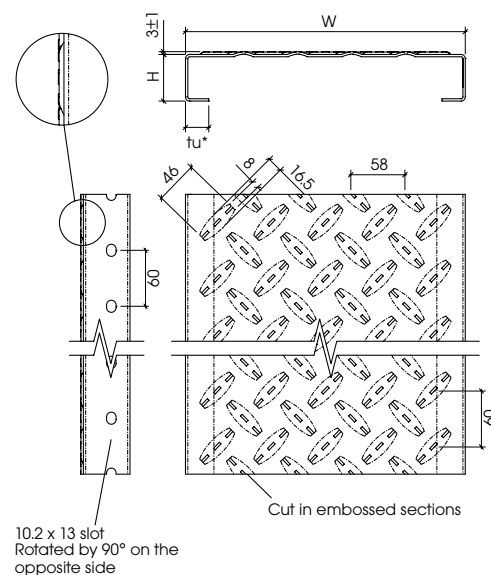
Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.

*tu = lower edge bending



Steplarm G

The surface structure is comparable with chequer plate and can be seen as an attractive alternative to it. It is a closed plank which proves very effective in public areas with pedestrian traffic, but also in industrial and commercial uses.



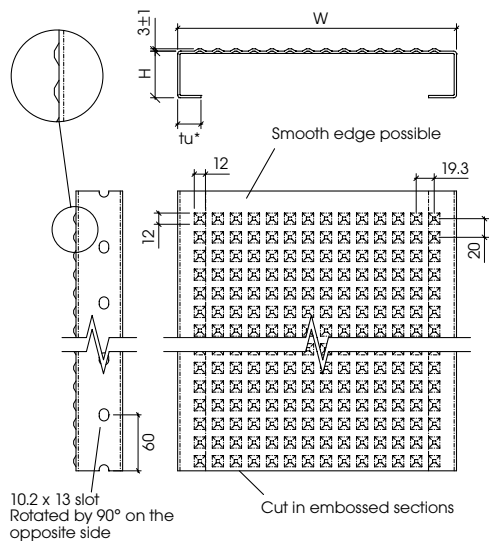
Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R9
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R9
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	240 / 298 / 356	
Heights	50 / 75 / 100	
Lengths	Length factors of 60, max. 4,020	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Bostep G

The uniform alignment of the embossing makes Bostep G particularly suitable for large areas indoors. The closed surface screens off areas from view and prevents objects from falling through.



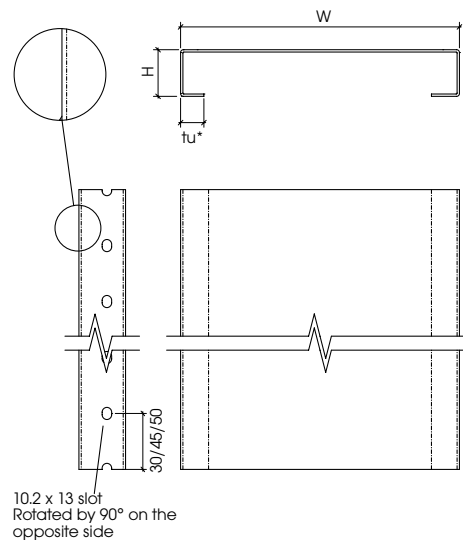
Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	R10
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	R10
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	182 / 240 / 298 / 356	
Heights	50 / 75 / 100	
Lengths	Length factors of 60, max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



Smooth plate

This version is used predominantly for shelving and in areas in which a smooth, closed surface is needed. Further applications are wall cladding and suspended ceilings. The planks can optionally be provided with lateral perforations so that they can be screwed together on site.



Material	Sheet thickness	AS class
Raw / hot-dip galvanised steel (DD11)	2.0 / 2.5 / 3.0	
Sendzimir galvanised steel (DX51Z275)	2.0 / 2.5 / 3.0	
Aluminium (AlMg ³)	2.5 / 3.0	
Stainless steel (1.4301)	2.0	
Widths	120 – 360	
Heights	30 / 40 / 50 / 75 / 100	
Lengths	max. 6,000	

Special sizes or materials on request. Stored sizes according to stock list.
All data in mm.



SPECIAL SHAPES

Stephuit FH

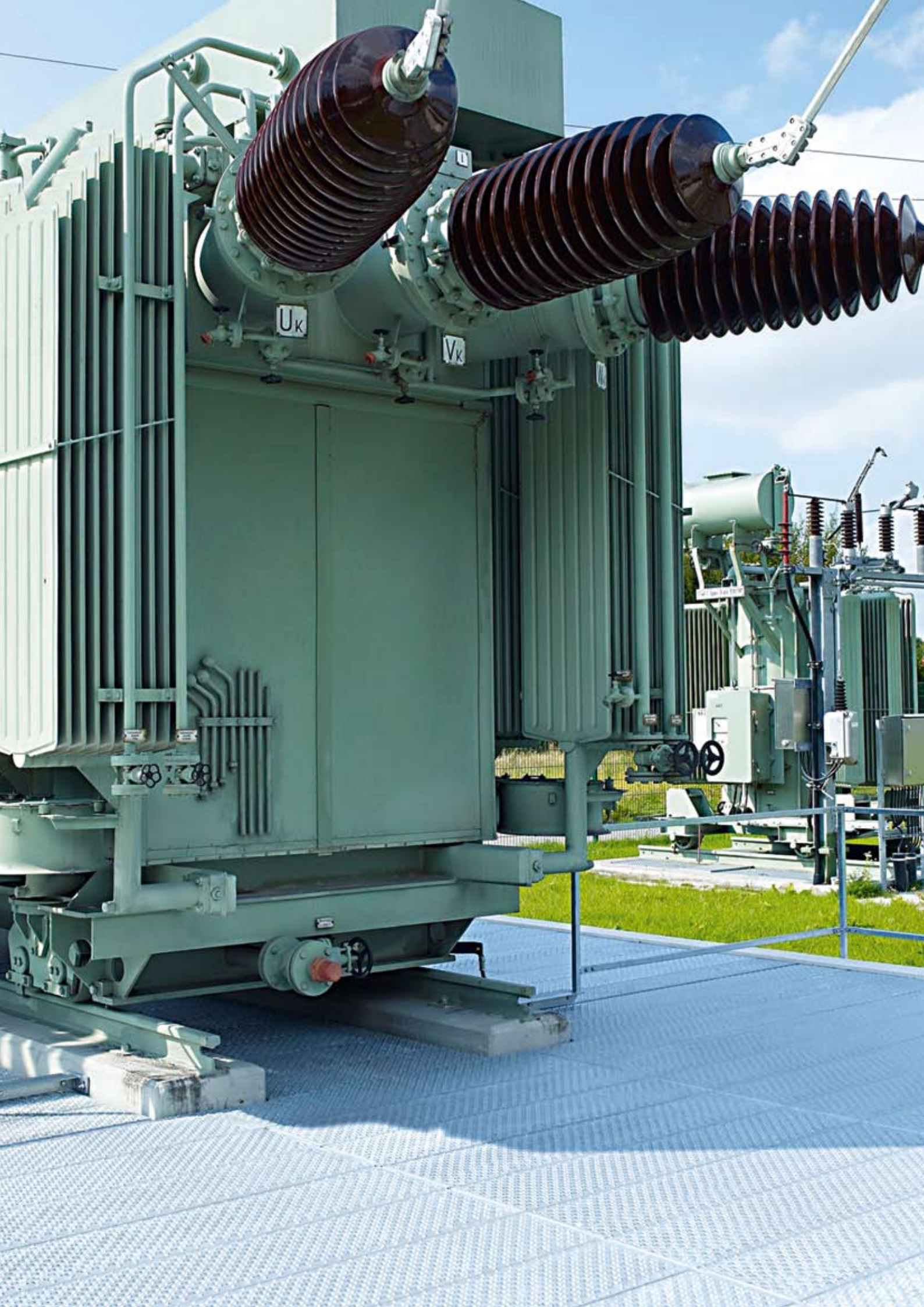
Mixed 3Z

Stepbloc D

Couvrazed

Nervopal

Passcran Gangway





Stephuit FH flame-retardant

State-of-the-art transformer tray covering!

Stephuit FH has been thoroughly tested for its effectiveness in mineral oil fires and certified by the Leipzig Institute for Materials Research and Testing (MFPA). This plank is therefore particularly suitable for installations at risk of fire, for example as transformer tray covering.

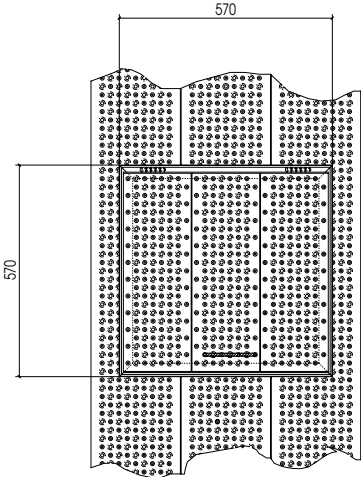
PHOTO 1

FLAME-RETARDANT METAL PROFILES WITH CERTIFICATION FROM MFPA LEIPZIG GMBH

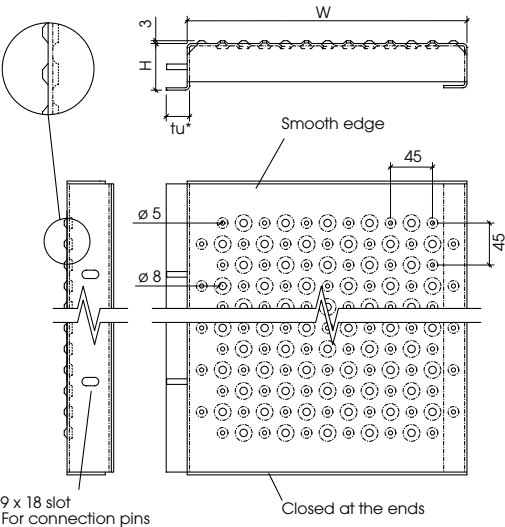
A summary of the advantages

- Longitudinal outward flange in one piece, galvanised to DIN EN ISO 1461
- Quick and easy assembly using plug-in system without screw-fastenings (see detail, photo 1)
- Anti-slip surface (anti-slip class R11)
- Safe to walk on up to a span of 3500 mm
- Key plan with positioning created by CAD
- Site Measure and Installation if required (Complete solution)
- Delivered with approved inspection hatch if required
- MFPA certificate sent free of charge on request
- No increased disposal costs, as there is no granulate material filling





INSPECTION HATCH



STEPHUIT FH DETAIL

*tu = lower edge bending

STEPHUIT FH LOAD DATA

40 x 2,5 – safe to walk on up to 1.300 *			40 x 3,0 – safe to walk on up to 1.500 *		
--	--	--	--	--	--

Width	Height	Thickness	Width	Height	Thickness
180	40	2.5	180	40	3.0
240	40	2.5	240	40	3.0
300	40	2.5	300	40	3.0
330	40	2.5	330	40	3.0

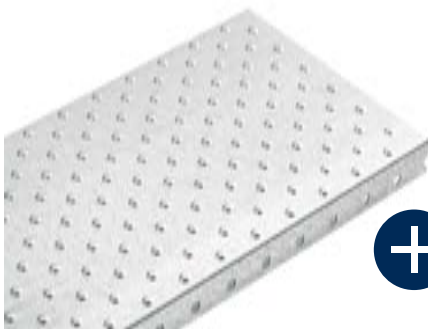
50 x 2,5 – safe to walk on up to 1.700 *			50 x 3,0 – safe to walk on up to 1.900 *		
--	--	--	--	--	--

Width	Height	Thickness	Width	Height	Thickness
180	50	2.5	180	50	3.0
240	50	2.5	240	50	3.0
300	50	2.5	300	50	3.0
330	50	2.5	330	50	3.0

75 x 2,5 – safe to walk on up to 2.400 *			75 x 3,0 – safe to walk on up to 2.600 *		
--	--	--	--	--	--

Width	Height	Thickness	Width	Height	Thickness
180	75	2.5	180	75	3.0
240	75	2.5	240	75	3.0
300	75	2.5	300	75	3.0
330	75	2.5	330	75	3.0

Technical specifications in mm
* with a single load of 1.5 kN (load area 200 mm x plank width) and a distributed load of 5 kN/m²
Special sizes on request



ADERSTEP N

STEPCLAIR N

MIXED 3Z

Mixed 3Z

This visually appealing variant consisting of two surfaces makes it possible to keep the walking surface almost closed with „Aderstep N“ and achieve a drainage effect on both sides. Combining „Aderstep N“ with „Stepclair N“ or „Airstep N“ produces greater incidence of light.

- MEISER recommends the proportions

1/4 Stepclair N – 2/4 Aderstep N – 1/4 Stepclair N

Other proportions are available on request. For example, the combination of „Aderstep N“ with „Stephuit N“ or „Aderstep N“ with „Airstep N“ is also possible.

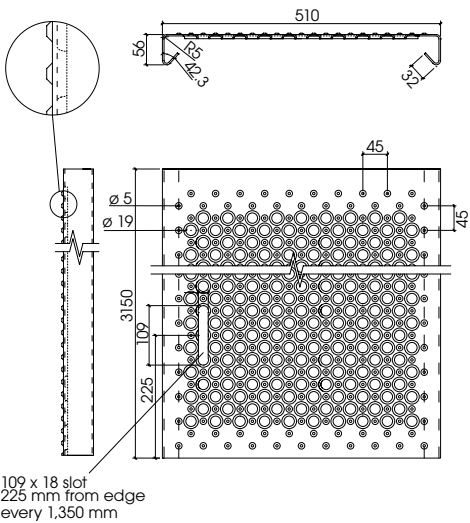


Couvrazed

Couvrazed slip-resistant metal profile planks have been developed by MEISER for increased safety, especially for working on unstable roofs. The perforated, embossed surface structure reduces slipping by 37%. The specially angled edges make Couvrazed particularly suitable for corrugated roofs. The aluminium planks can be put in place quickly and easily thanks to their low weight of 15 kg. MEISER delivers Couvrazed as a kit consisting of two planks with corresponding fixing elements. Assembly instructions are of course also included.

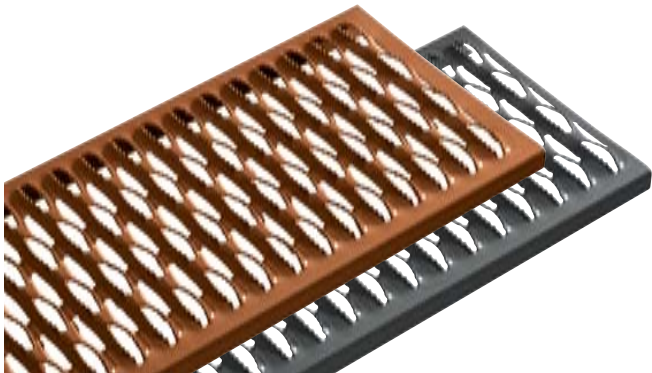
Material	Sheet thickness	AS class
Aluminium (AlMg ³)	3.0	Similar design to STEPCLAIR N
Width	510	
Height	56	
Length	3,150	

Special sizes or materials on request
All data in mm



Stepbloc D Roof walkway plank

The planks have a tread surface with a very high anti-slip effect. They are used for walking on roof surfaces and as standing platforms for chimney sweeps. The planks can be powder-coated in the desired RAL colour after galvanising in order to match them to the respective colour scheme. Roof platform planks are delivered without lateral perforations.



Material	Sheet thickness
Raw / hot-dip galvanised steel (DD11)	1.5 / 2.0 / 2.5
Width	250
Height	25
Length	Length factors of 30, to 3,000

Special sizes or materials on request
All data in mm

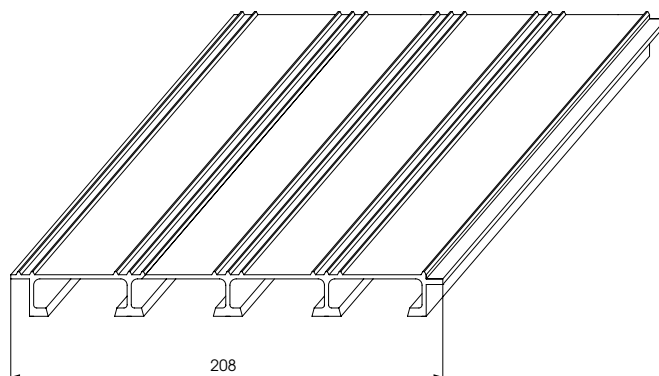
Nervopal

Applications:

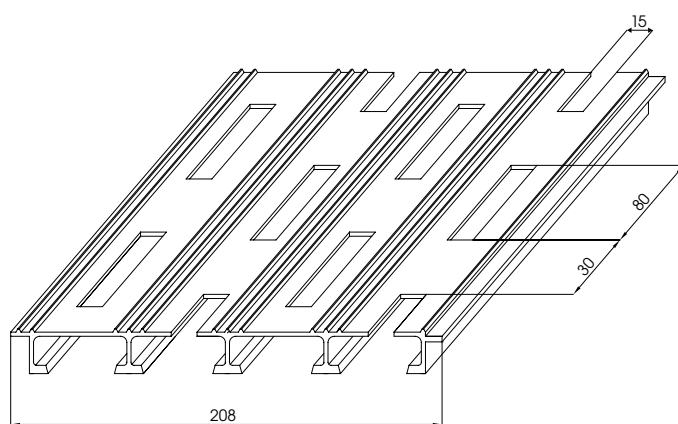
- Flooring and gangways on tankers
- Flooring for refrigerated trailers and lorries
- Mobile platforms for public vehicles
- Gas installations: compression, transportation of methane
- Oil transportation, loading stations for lorries and rail wagons
- Production and transportation of powders and explosives
- Installations in coastal areas, jetties
- Refineries
- Food industry
- Sulphur industry

Technical data:

- Profiled aluminium (AlMg³) alloy 6060F22
- 2 types: type 1 h = 20 mm
type 2 h = 25 mm
- Option: can be perforated (drill hole 80 x 15, tread 110 mm)
Length of profiles 8000 mm or factory assembled to size.
- Clear width for UDL
type 1 h = 20 mm 800 mm
type 2 h = 25 mm 1200 mm

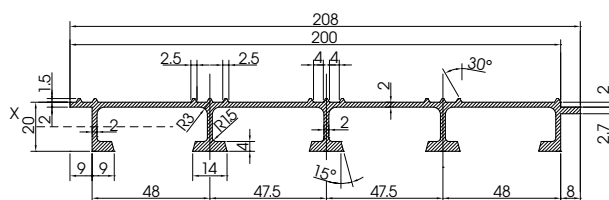


NERVOPAL STANDARD

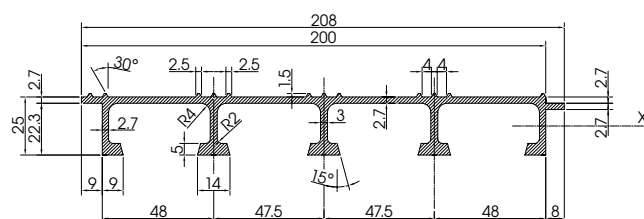


NERVOPAL PERFORATED

Weights	standard	perforated
Type 1 h = 20 mm	11 kg/m ²	10 kg/ m ²
Type 2 h = 25 mm	16 kg/m ²	15 kg/m ²



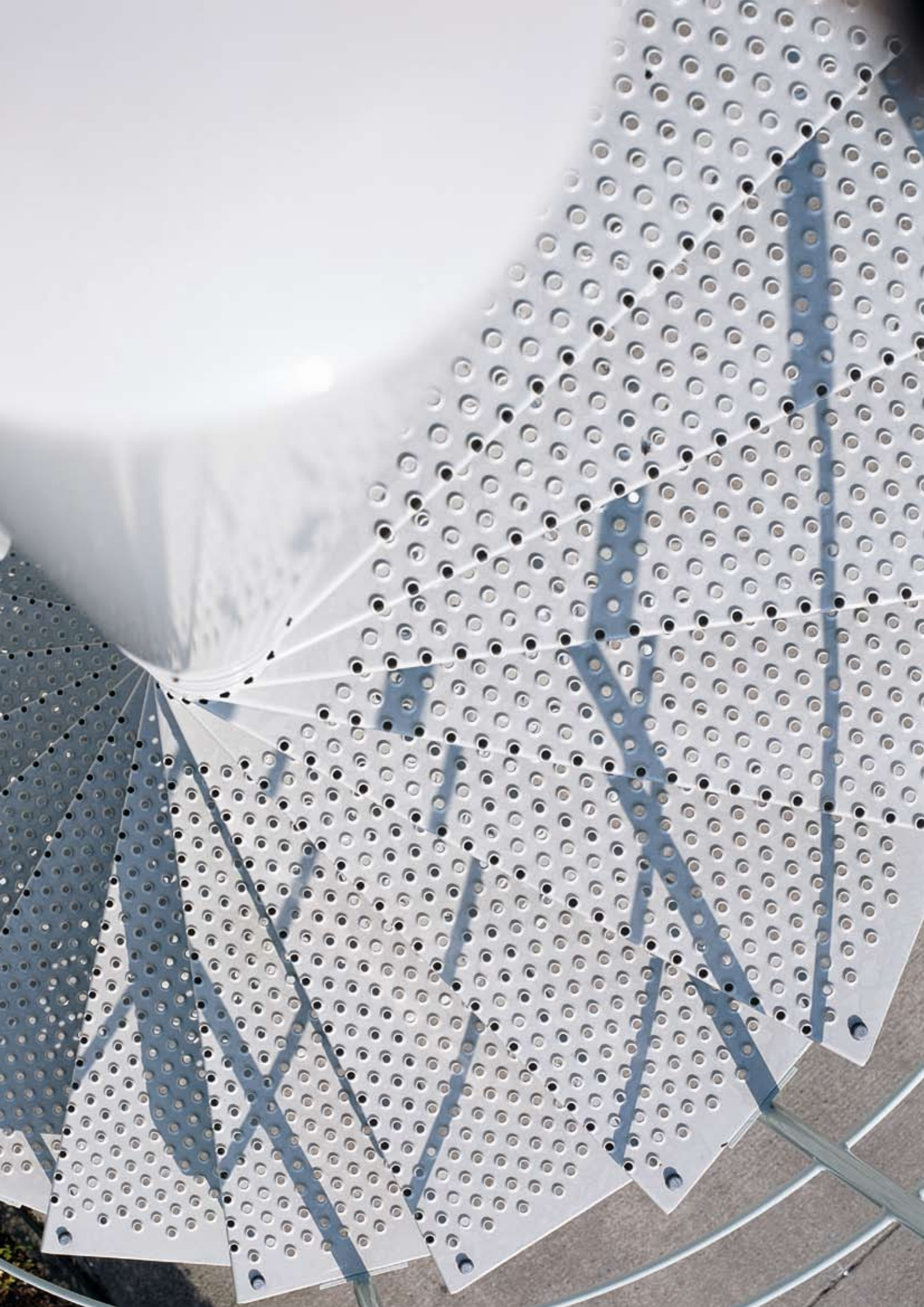
NERVOPAL TYPE 1 H = 20 MM



NERVOPAL TYPE 2 H = 25 MM



STAIRTREADS/SPIRAL STAIRCASE TREADS



Spiral staircase treads

Technical notes

Suitable proportions are calculated taking into account:

- Entry and exit, direction of rotation
- Head height
- Staircase diameter

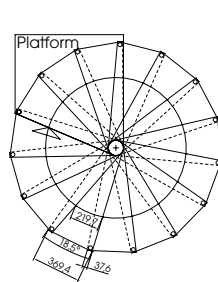
in accordance with DIN 18065 and provincial building regulations

If the structural conditions or requirements do not permit you to use the spiral staircase treads we keep in stock, our technicians will help you to find the optimum staircase proportions.

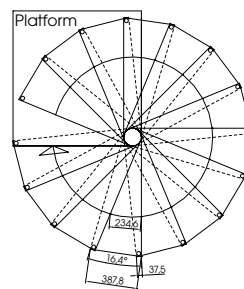
MEISER standard spiral staircase tread sizes, can be used for clockwise and anticlockwise spirals, closed at the ends

Length (mm)	Width (mm)	Height (mm)	Thickness (mm)	Radius (mm)	Angle
800	369	90 / 60	3.00	57	18.5 °
900	388	90 / 60	3.00	67	16.4 °
1,000	405	90 / 60	3.00	67	15.7 °
1,200	412	90 / 60	3.00	84	11.7 °

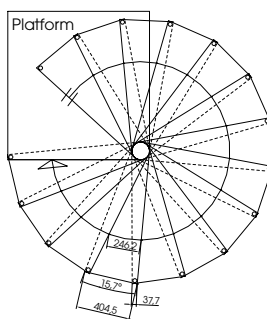
Version with edging on one side and special sizes possible on request.



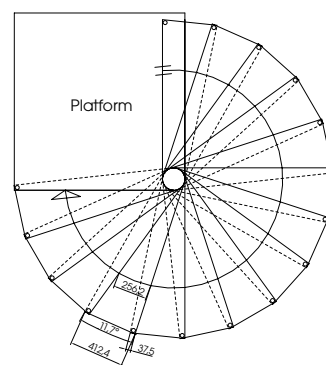
STAIRCASE - Ø 1,600 MM -
15 STEPS/TURNS
COLUMN- Ø 101.6*5 /
COLLARS- Ø 114.3*5



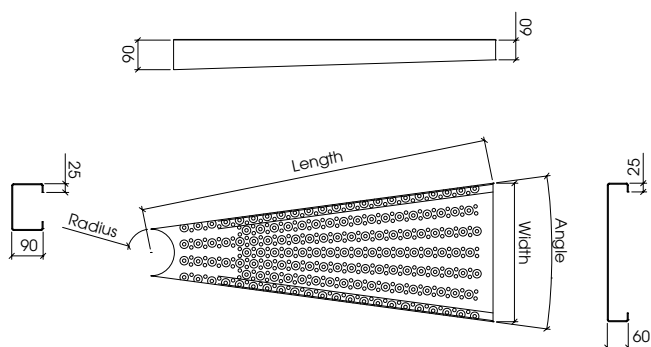
STAIRCASE- Ø 1800 MM -
16 STEPS/TURNS
COLUMN- Ø 121*4 /
COLLARS- Ø 133*4.5



STAIRCASE- Ø 2000 MM -
17 STEPS/TURNS
COLUMN- Ø 121*4 /
COLLARS- Ø 133*4.5



STAIRCASE- Ø 2400 MM -
20 STEPS/TURNS
COLUMN- Ø 152.4*10 /
COLLARS- Ø 168.3*6.3



- Can be used for clockwise and anticlockwise spirals
- Folded over at the ends
- Raw steel, not welded

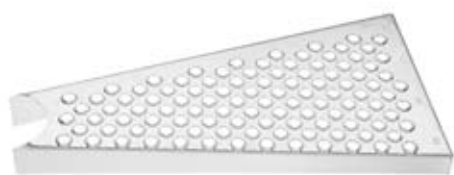


SPIRAL STAIRCASE TREAD

Examples of MEISER spiral staircase treads



STEPCLAIR N



ULTRASTEP 01



BOSTEP G



FORMSTEP 07

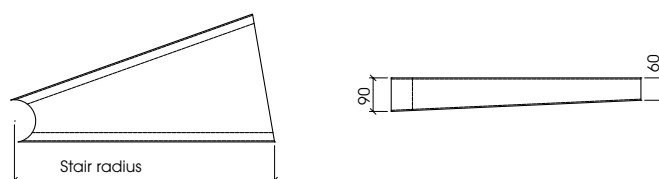


STEPCLAIR N
RECTANGULAR EMBOSSED AREA

Spiral staircase treads

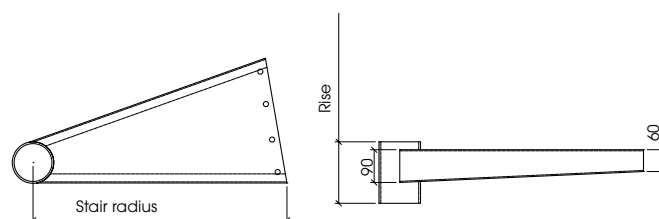
MEISER spiral staircase treads are available with many different surfaces. This means a wide variety of function and design options in virtually all areas.

For welding on



Version for welding onto a collar or onto a central column. Edge bending 90/60 mm.

With collar



In this version the spiral staircase tread is provided with a collar according to the customer's requirements. Edge bending 90/60 mm.

All stairtreads are available for clockwise and anticlockwise use.



PHOTO 1



PHOTO 2

Stairtreads

MEISER profile stairtreads can be made using any profile plank. In punched surfaces, the first row of perforations is placed directly on the edge to form safety edging (see Photo 1). Alternatively, we can also attach a flat bar with anti-slip notches (see Photo 2) or lasered edging (see Photo 3), as required.

Note:

Stepplus stairtreads can only be delivered in widths of 200, 250 and 300 mm. Stepplus stairtreads are not available in aluminium (AlMg³).

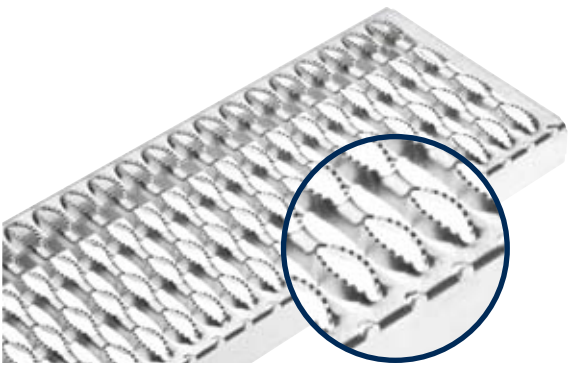
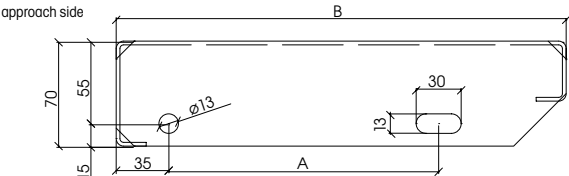


PHOTO 3

Hole pattern 1

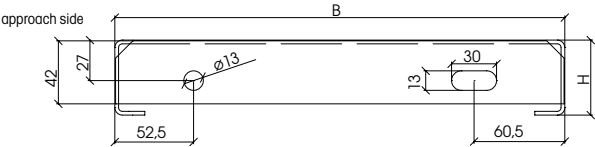
Width B of stairtreads	Hole distance A
240 mm	120 mm
270 mm	150 mm
300 mm	180 mm



HOLE PATTERN 1

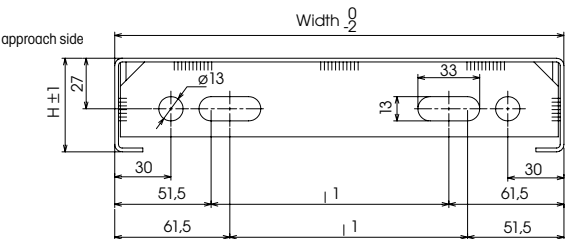
Hole pattern 3

Width B of stairtreads	I1
173 mm	60 mm
195 mm	82 mm
240 mm	127 mm
263 mm	150 mm
285 mm	172 mm
308 mm	195 mm
330 mm	217 mm
353 mm	240 mm
375 mm	262 mm



HOLE PATTERN 2

Hole pattern according to customer's requirements also possible.



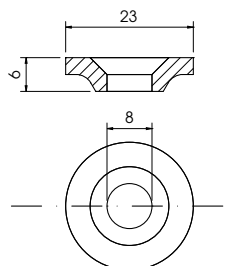
HOLE PATTERN 3



Fixing elements

Cast metal washer with recessed hole

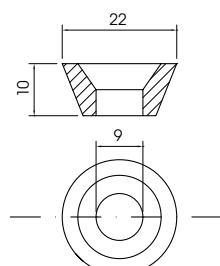
Upper fastening component for Formstep N and Formstep 06, and all Stepclair Tolmixte, Tolplan and Airstep versions.



MEISER PART NO. 570101

Plastic grommet with recessed hole

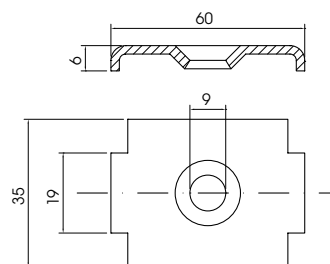
Upper fastening component for all Stepclair and Airstep versions.



MEISER PART NO. 570001

Counterplate

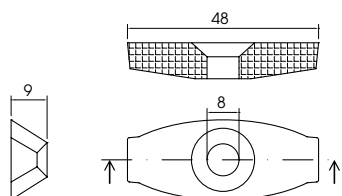
Upper component for all Stepplus and Tolroc versions.



MEISER PART NO. 571030

Plastic Olive 1

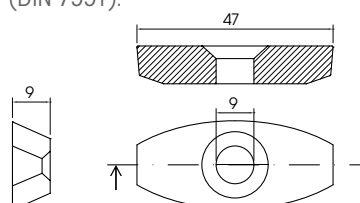
For all Stepbloc and Tolplus versions with recessed hole for countersunk head bolts (DIN 7991).



MEISER PART NO. 570104

Cast metal Olive 1

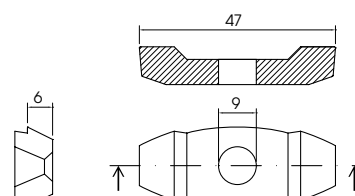
Cast metal upper component for all Stepbloc and Tolplus versions with recessed hole for countersunk head bolts (DIN 7991).



MEISER PART NO. 570102

Cast metal Olive 2

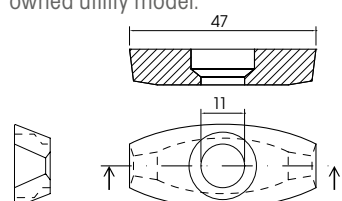
Cast metal upper component for all Stepbloc and Tolplus versions with recessed hole for hexagon head bolts (DIN 993).



MEISER PART NO. 570103

Olive for powder-actuated fasteners

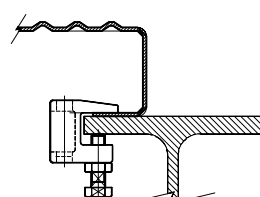
Cast metal upper component for all Stepbloc and Tolplus versions for powder-actuated fastener system. Protected by MEISER-owned utility model.



MEISER PART NO. 570115

Universal clamp

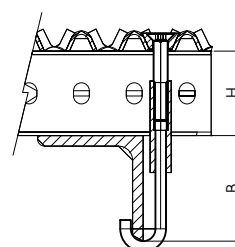
Cast metal clamp for assembling from below, available in various versions.



MEISER PART NO. 570165

Hook fixing

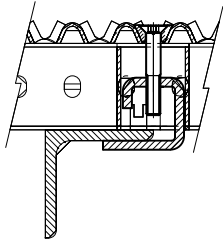
With countersunk head bolt, hook compressed with collar.



MEISER PART NO. 570125

Support clip

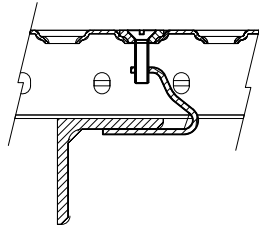
Supporting clamp connection pre-assembled with M8 countersunk head bolt.



Height (mm)	MEISER part no.
40	570140
50	570141
75	570142
100	570143

Fast fixing

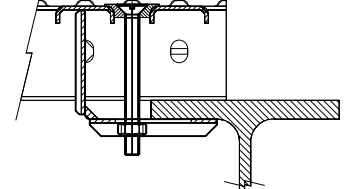
Clamp connection with M8 countersunk head bolt for Stephuit, Stepclair and Air-step.



Height (mm)	MEISER part no.
30	570023
50	570024
75	571016
100	571015

Flange

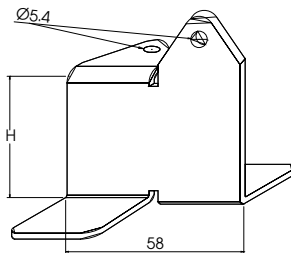
Clamp connection with cage nut and M8 countersunk head bolt for Stepclair and Airstep.



Height (mm)	MEISER part no.
30	570025
50	570026
75	570027
100	570028

Connecting plate

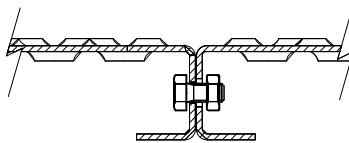
Fastener for connecting planks laterally to each other; assembly from above incl. drilling screws.



Height (mm)	MEISER part no.
40	571002
50	571000
75	571001

Screw connection

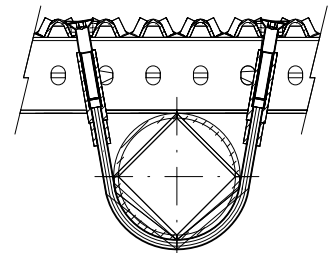
M8 x 20 special bolt with washers and self-locking nuts.



MEISER part no.	
electrogalvanised	570003
V2A	570179

Cable connection

Various lengths, V2A with plastic sheath and bushings with M8 internal thread.

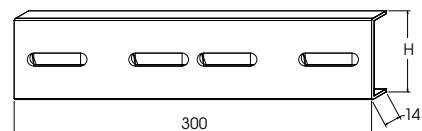


Length (mm)	MEISER part no.
225	573001
290	573002
320	573003
350	573004
400	573005
450	573006
520	573007
650	573008

Longitudinal connector with bolt

For connecting planks to each other at the ends.

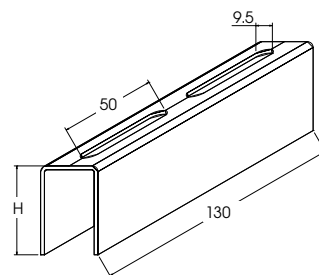
Height (mm)	MEISER part no.
40	570120
50	570121
75	570122
100	570123



Support profile

For connecting planks to each other at the ends and at the same time supporting the planks in the middle.

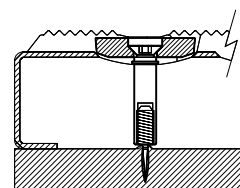
Height (mm)	MEISER part no.
30	570110
40	570111
50	570112
75	570113
100	570114



Powder-actuated fastener system

Modified Hilti powder-actuated fastener with cast metal olive for powder-actuated fasteners and cartridge

- Advantages: cable-free mounting; no swarf from drilling, therefore no cleaning costs; time-saving assembly
- Fewer negative effects on support statics; easy to disassemble; assembly from above possible



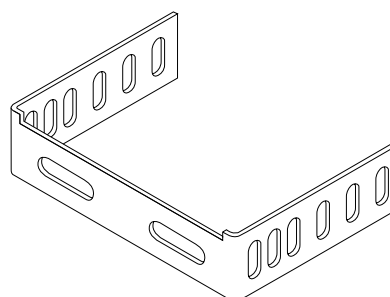
Utility model no. 20 2006 002 573 1

Angle bracket

Often used for assembling staircases (can also be used reversed; sides are bent at an 89° angle).

Other clip variations / alternatives are available on request.

Please do not hesitate to contact us.

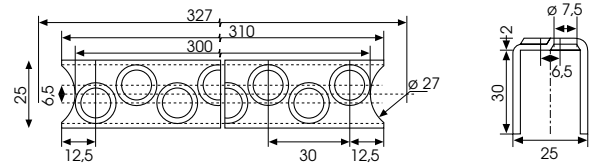


Weight galvanized	Weight Self Colour	Part no. galvanized	Part No. Self Colour	Width	A	B
0,285 kg	0,304 kg	309 565 182	565 182	182	85	175
0,333 kg	0,355 kg	309 565 240	565 240	240	143	233
0,382 kg	0,407 kg	309 565 298	565 298	298	201	291
0,432 kg	0,460 kg	309 565 356	565 356	356	259	349
0,481 kg	0,513 kg	309 565 414	565 414	414	317	407
0,532 kg	0,567 kg	309 565 475	565 475	475	378	468

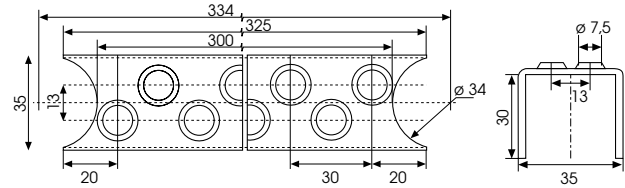


Ladder rung profiles

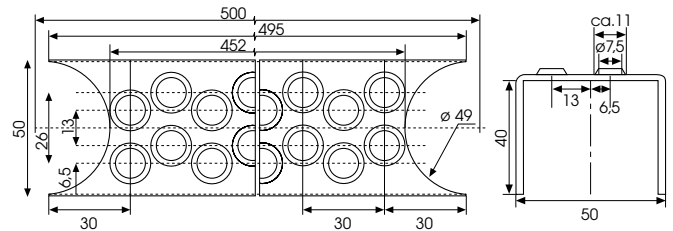
MEISER ladder rung profiles are characterised by their upward facing perforations and embossed surface. They ensure safe standing in areas where sure-footedness is vital. Our wide range of different ladder rungs provides the ideal solution for climbing in all kinds of applications. Occupational safety and the maximum possible anti-slip effect are the most important factors here. Our ladder rung profiles are delivered untreated. Non standard variations are available on request.



VARIANT 1



VARIANT 2

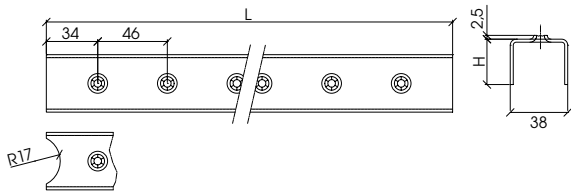


VARIANT 3

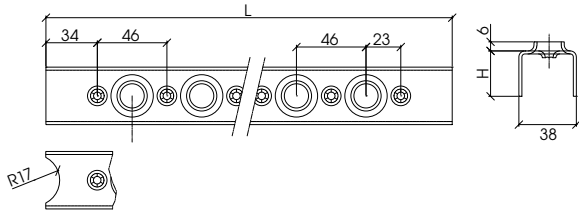
Ladder rung profiles

	Length in mm	Weight in kg/each
Variant 1 25 x 30 x 2		
Steel StW 22	327*	0.40
	2,000	2.42
Stainless steel V2A	327*	0.40
	2,000	2.43
Aluminium AlMg ³	327*	0.14
	2,000	0.83
Variant 2 35 x 30 x 2		
Steel StW 22	334*	0.47
	2,000	2.79
Stainless steel V2A	334*	0.47
	2,000	2.81
Aluminium AlMg ³	334*	0.16
	2,000	0.96
Variant 3 50 x 40 x 2		
Steel StW 22	501*	0.96
	2,000	3.83
Stainless steel V2A	501*	0.97
	2,000	3.86
Aluminium AlMg ³	501*	0.33
	2,000	1.32

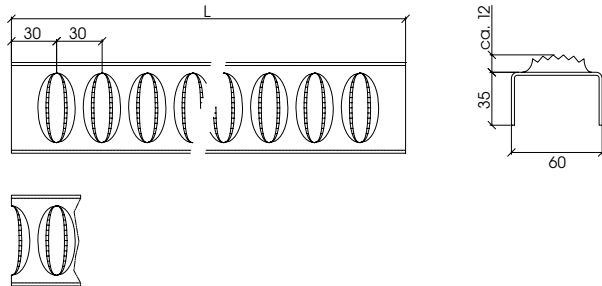
*with notching



TOLPICOT



TOLRUNG



TOLPLUS



Tolpicot standard sizes, in mm

Material	Thick- ness	Height	Standard length L, max. 600 mm
Steel	2.0	31	248, 284, 333, 364, 414, 444, 464, 494, 534
Continuously galvanised	2.0	31	248, 284, 333, 364, 414, 444, 494, 534
Stainless steel (1.4301)	2.0	31	245, 330, 364, 414, 444, 464
Aluminium (AlMg ³)	3.0	33	250, 364, 414, 444

Tolrung standard sizes, in mm

Material	Thick- ness	Height	Standard length L, max. 600 mm
Steel	2.0	31	248, 284, 333, 364, 414, 444, 464, 494, 534
Continuously galvanised	2.0	31	248, 284, 333, 364, 414, 444, 494, 534
Stainless steel (1.4301)	2.0	31	245, 330, 364, 414, 444, 464
Aluminium (AlMg ³)	3.0	33	250, 364, 414, 444

Tolplus standard sizes, in mm

Material	Thick- ness	Height	Standard length L
Steel	1.8	35	max. 1020 mm
Continuously galvanised	2.0	35	max. 1020 mm
Stainless steel (1.4301)	2.0	35	max. 1020 mm
Aluminium (AlMg ³)	3.0	35	max. 1020 mm



SHEET METAL PROCESSING



Sheet metal processing

With our comprehensively equipped machinery park, we can produce all kinds of jobs to order for you, up to and including complete modules. We process virtually any punchable steel, stainless steel or aluminium material.

Production according to your specifications/designs, as well as product development/prototype production according to your requirements are all included in our list of services. A trained team of specialists, who are happy to help you with your plans, is at your disposal.

With our equipment we can respond individually to your requirements. We would be glad to carry out one-off production for you, as well as small- or large-scale series production.

Our services

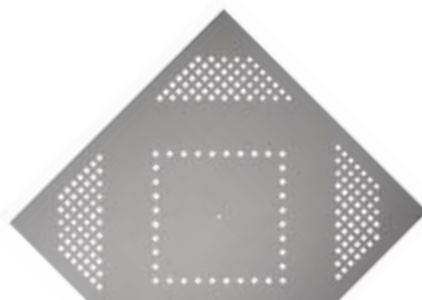
Edging, perforating, lasering, punching, shaping, bending, profiling, water jet cutting, welding, assembling, surface treatments

... all under one roof

Special perforations

Our modern production facilities mean we can create an unlimited number of hole shapes and positions for a wide variety of requirements.

Technically possible special perforations include for example keyhole-shaped and round perforations of all kinds, rasp perforations, hatch perforations and shutter perforations.





Edging, perforating, lasering - all under one roof!

Punching machines

80-500 t

Edging presses

150-600 t

Lengths up to 6250 mm

Levelling machines

Sheet thicknesses up to 8 mm

Sheet widths up to 1500 mm



Punching – nibbling – lasering machines

Hydraulic high-performance punching (300 kN)

Integrated laser cutting (laser power 2.5 kW, high beam quality)

Max. sheet size 3074 x 1565 mm

Max. material thicknesses

Punching: 8 mm

Lasering: 8 mm steel

6 mm aluminium

6 mm stainless steel



Squaring shears

Roll bending

Welding robots

Profiling equipment

Splitting machines



Ask us!

Production batches from 1 to 100.000 and more are possible

Water jet cutting machine

High-performance cutting with 6,000 bar pressure!

- 45% more pressure compared to other known methods
- More than 3500 km per hour water jet speed
- Up to 50% higher cutting speed compared to other methods



Materials which can be cut:

- Ferrous and non-ferrous metals
- Plastic and composite materials
- Composite fibre materials
- Rubber, elastomers
- Foams and rigid foams
- Laminates, glass
- Ceramic materials, natural stone
- Others on request







Service

For MEISER, service means offering its clients the highest possible added benefit by means of cost-effective, prompt delivery of high-quality products.

This begins with us offering you an extensive planning service. As profile planking experts, we have planned an application better and more quickly than a planner who may only deal with the subject occasionally or even for the first time.

We also take particular delight in solving unusual problems. We don't want to restrict your ideas to our possibilities, but to expand our possibilities by new solutions. Therefore, new tasks are not only a technical challenge for us, but also a chance to improve and develop as a company.

Challenge us!

Planning / producing / assembling

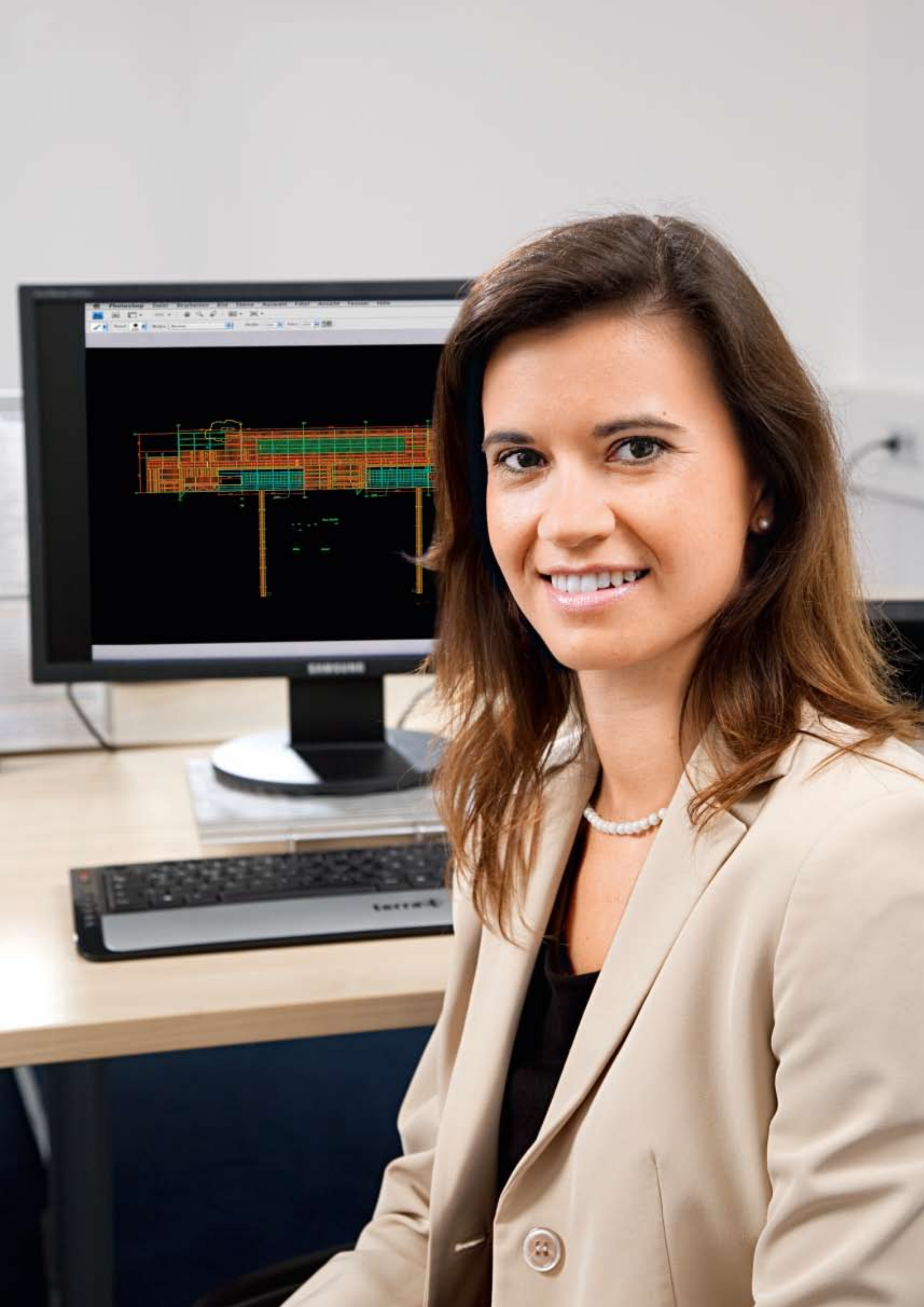
Our services to you include planning, production and if required assembly, as well as the creation of laying plans, and all under one roof.

Constant developments to products with all kinds of applications enable us to meet your requirements.

Customer service is top priority for us. For you, this means:

- Advice regarding versions, standards and regulations
- Creation of assembly and production drawings
- Development of customer-specific special solutions

Quality assurance is a matter of course for us. Designs conform where necessary to current DIN/EN standards, to the provisions of accident prevention legislation and to employers' liability insurance associations.



Surface treatment

A further mark of quality of MEISER profile planking is its durability, which also results from careful surface treatment. The wide variety of possibilities – from purely expedient to high quality – emphasises the unique aesthetics of metal profile applications.

Hot-dip galvanising

MEISER steel profile planking is hot-dip galvanised to DIN EN ISO 1461 as standard. The 99.9% pure zinc covering guarantees that no zinc flakes off under normal mechanical loading.



Electrolytic galvanising

Degreasing and pickling is carried out in dip baths, and electrolytic galvanising is carried out in electrolyte baths. Galvanising in electrolyte baths means that products can be galvanised without being deformed by heat (hot-dip galvanising). Electrolytic galvanising should be used outdoors only under certain conditions owing its thinner zinc layer (approx. 20 µm).



Pickling (stainless steel)

The passive layer which is lost during processing is restored by pickling in a full bath and treatment with passivation solution and deionised water.





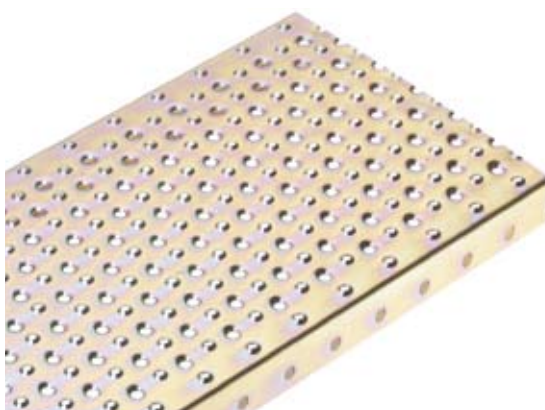
Electrochemical polishing (stainless steel)

Electrochemical polishing takes place using the electrolyte bath method and produces a homogenous, polished surface with a dirt-repellent effect.



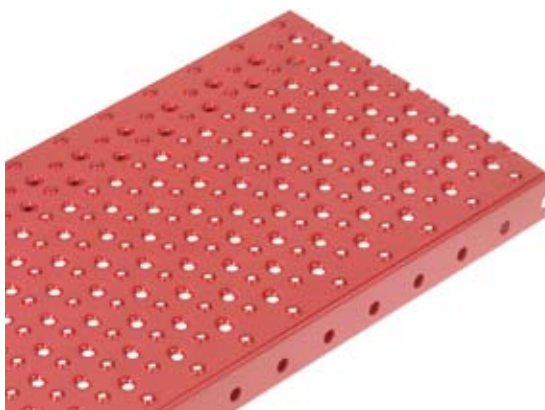
Anodising (aluminium)

Degreasing, pickling and rinsing is carried out in dip baths, then anodising to a natural aluminium colour is carried out in an anodising bath (E6EV1). Various tints can be added as per Eurux after anodisation.



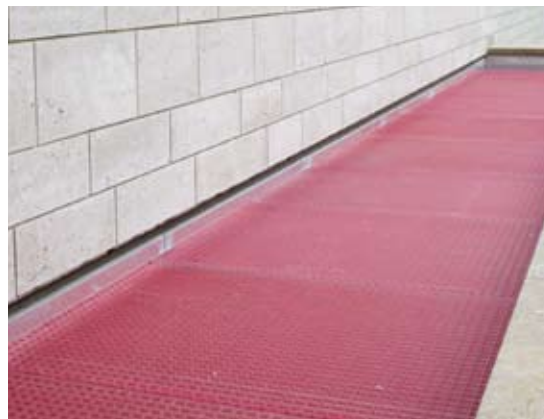
Chromatising (steel)

Electrolytic galvanising takes place using the electrolyte method. Chromatising takes place in a dip bath, and blue and brass colours can be produced.



Powder coatings

The material is degreased, pickled and chromatised in dip baths – depending on the different materials. The powder is then automatically sprayed on and burned in at approx. 170°C. Layer thickness approx. 60-80 µm. All RAL colours are possible.



Product range

Other MEISER products:

Gratings - In steel, stainless steel
and aluminium

Stairs

GRP floor systems

Metal Processing

Steel Processing

Galvanising

Would you like more information?

Ask for our product brochures or visit us online:

www.meiser.de

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PICTURE RIGHT:
MEISER GRATING SUSPENDED CEILING,
BMW MUSEUM

PICTURE TOP RIGHT:
MEISER GRP PLANKS, FRANZ MARC MUSEUM

PICTURE TOP LEFT:
CHINESE EMBASSY BERLIN



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Data valid for:

Stepbloc D, Stepbloc F, Tolplus N, Stepbloc U on request.

Plank width	Plank height	Material thickness	Max. inner span in mm	Max. point load in transverse direction in kN
240	40	2	860	7.75
240	40	2.5	1,110	9.74
240	40	3	1,130	22.13
300	40	2	1,050	5.34
300	40	2.5	1,060	7.71
300	40	3	1,110	14.93
240	50	2	1,260	7.75
240	50	2.5	1,350	9.74
240	50	3	1,430	22.13
300	50	2	1,260	5.34
300	50	2.5	1,350	7.71
300	50	3	1,430	14.93
240	75	2	1,810	7.75
240	75	2.5	1,950	9.74
240	75	3	2,070	22.13
300	75	2	1,820	5.34
300	75	2.5	1,940	7.71
300	75	3	2,050	14.93

Areas safe for walking (2 kN point load on an area of 200 x 200 mm and 5 kN/m² uniformly distributed payload)

The specified values relate to standard plank dimensions. Static values for differing plank dimensions can be provided on request.

Multiply table values by 0,81 for stainless steel 1.4301.

Multiply table values by 0,34 for aluminium H111.

The specified spans apply for a maximum deflection of 4 mm.

Data valid for:

Stepclair N, Tolmixte N, Ultrastep N, Tolcreneaux N, Formstep N, Stephuit N, Tolhuit N, Formstep O4, Formstep O7, Toldeco 8, Toldeco 10, Airstep, Formstep O5, Tolgrip N, Ultrastep O1, Toltop N, Aderstep N, Tolpicot N, Stephuit FH, Toldrain, Formstep G6 stud.

Plank width	Plank height	Material thickness	Max. inner span in mm	Max. point load in transverse direction in kN
240	40	2	930	3.09
240	40	2.5	1,200	8.86
240	40	3	1,220	12.50
300	40	2	1,130	1.76*
300	40	2.5	1,140	2.91
300	40	3	1,190	4.05
240	50	2	1,350	3.09
240	50	2.5	1,450	8.86
240	50	3	1,540	12.5
300	50	2	1,340	1.76*
300	50	2.5	1,440	2.91
300	50	3	1,530	4.05
240	75	2	1,910	3.09
240	75	2.5	2,050	8.86
240	75	3	2,180	12.50
300	75	2	1,910	1.76*
300	75	2.5	2,030	2.91
300	75	3	2,130	4.05

Areas safe for walking (2 kN point load on an area of 200 x 200 mm and 5 kN/m² uniformly distributed payload)

* Areas safe for walking (1,5 kN point load and 5 kN/m² uniformly distributed payload)

The specified values relate to standard plank dimensions. Static values for differing plank dimensions can be provided on request.

Multiply table values by 0,81 for stainless steel 1.4301.

Multiply table values by 0,34 for aluminium H111.

The specified spans apply for a maximum deflection of 4 mm.

Data valid for:

Stepplus N, Tolroc N, Stepplus 01, Stepplus 02.

Plank width	Plank height	Material thickness	Max. inner span in mm	Max. point load in transverse direction in kN
200	40	2	920	25
200	40	2.5	1,080	30
250	40	2	930	15.42
250	40	2.5	1,200	20
300	40	2	1,130	13.94
300	40	2.5	1,140	16.47
200	50	2	1,230	25
200	50	2.5	1,470	30
250	50	2	1,350	15.42
250	50	2.5	1,450	20
300	50	2	1,340	13.94
300	50	2.5	1,440	16.47
200	75	2	1,770	25
200	75	2.5	1,900	30
250	75	2	1,910	15.42
250	75	2.5	1,960	20
300	75	2	1,910	13.94
300	75	2.5	2,000	16.47

Areas safe for walking (2 kN point load on an area of 200 x 200 mm and 5 kN/m² uniformly distributed payload)

The specified values relate to standard plank dimensions. Static values for differing plank dimensions can be provided on request.

Multiply table values by 0,81 for stainless steel 1.4301.

The specified spans apply for a maximum deflection of 4 mm.

Data valid for:

Formstep G1, Formstep G2 , Aderstep G1, Toldiamant G, Steplarm G, Bostep G, smooth plate.

Plank width	Plank height	Material thickness	Max. inner span in mm	Max. point load in transverse direction in kN
240	40	2	1,150	3.09
240	40	2.5	1,560	7.06
240	40	3	1,560	10.90
300	40	2	1,490	1.50*
300	40	2.5	1,470	2.50
300	40	3	1,540	5.04
240	50	2	1,730	3.09
240	50	2.5	1,870	7.06
240	50	3	2,000	10.9
300	50	2	1,750	1.50*
300	50	2.5	1,900	2.50
300	50	3	2,020	5.04
240	75	2	2,430	3.09
240	75	2.5	2,590	7.06
240	75	3	2,710	10.90
300	75	2	2,370	1.50*
300	75	2.5	2,490	2.50
300	75	3	2,620	5.04

Areas safe for walking (2 kN point load on an area of 200 x 200 mm and 5 kN/m² uniformly distributed payload)

* Areas safe for walking (1,5 kN point load and 5 kN/m² uniformly distributed payload)

The specified values relate to standard plank dimensions. Static values for differing plank dimensions can be provided on request.

Multiply table values by 0,81 for stainless steel 1.4301.

Multiply table values by 0,34 for aluminium H111.

The specified spans apply for a maximum deflection of 4 mm.

SLIP RESISTANCE CLASSES

Name	Slip resistance					
	Raw / galvanised	V2A	Alu	Air permeability	Displacement space	Testing body
Stepbloc D	R13 / R12	*	R13 / R13		V10	BIA, SFV
Stepbloc F	R13 / R12	R13 / R12	R13 / R12		V10	BIA, SFV
Tolplus N	R12	R12	R12	47%	V10	CSTB
Stepbloc U	R12/R10	*	*		*	SFV
Stepclair N	R10	*	R13		V10	BIA, SFV
Tolmixte N	R12	R12	R12	21%	V10	CSTB
Ultrastep N	R13	*	R12		V10	SFV
Tolcreneaux N	R12	R12	R12	21%	V10	CSTB
Formstep N	R11	R11	R12		V10	BIA
Stephuit N	R10	*	*		V10	BIA
Tolhuit N	Similar design to Tolmixte N*			12%	Similar design to Tolmixte N	
Formstep O4	R12	R12	*		V10	BIA, SFV
Formstep O7	*	R13	*		V10	SFV
Toldeco 8	R11	R11	R11	12%	V10	CSTB
Toldeco 10	R11	R11	R11	13%	V10	CSTB
Formstep O5	R12	*	*		V10	BIA
Tolgrip N	R13	R13	R13	19%	V10	CSTB
Ultrastep O1	Similar design to Ultrastep N				Similar design to Ultrastep N	
Toltop N	*	*	*	10%	*	*
Aderstep N	R10	R12	*		V10	BIA, SFV
Tolpicot N	R12	R12	R12	2%	V10	CSTB
Tolcreneaux O1	Similar design to Tolcreaux N			19%	Similar design to Tolcreaux N	

BIA – Berufsgenossenschaftliches Institut für Arbeitsschutz (German Institute for Occupational Safety and Health)

SFV – Säurefliesner-Vereinigung e.V. Testing and Consultancy Institute for Wall and Floor Coverings

CSTB – Centre Scientifique et Technique du Bâtiment

(French Building Research Institute)

* – Testing on request

Testing equipment

As testing equipment (see figure), a flat, torsion-resistant plate of 600 mm width and 2000 mm length is used, the slope of which can be adjusted from 0 to 45° in the longitudinal direction. The lifting speed of the drive produces an angular speed of the plate of 1° per second maximum, that is, at least 45 seconds are needed to pass through the total angle of 45°. The lifting movement can be controlled by the testing personnel either continuously or in stages of 0.5°. An angle-measuring unit which is connected to the testing equipment indicates the angle of inclination of the plate with respect to the horizontal to $0.5^\circ \pm 0.2^\circ$.

Platforms are fitted to the longitudinal sides of the testing equipment for the safety of the testing personnel.

(Extract from BGR 181 and GUV-R 181)

