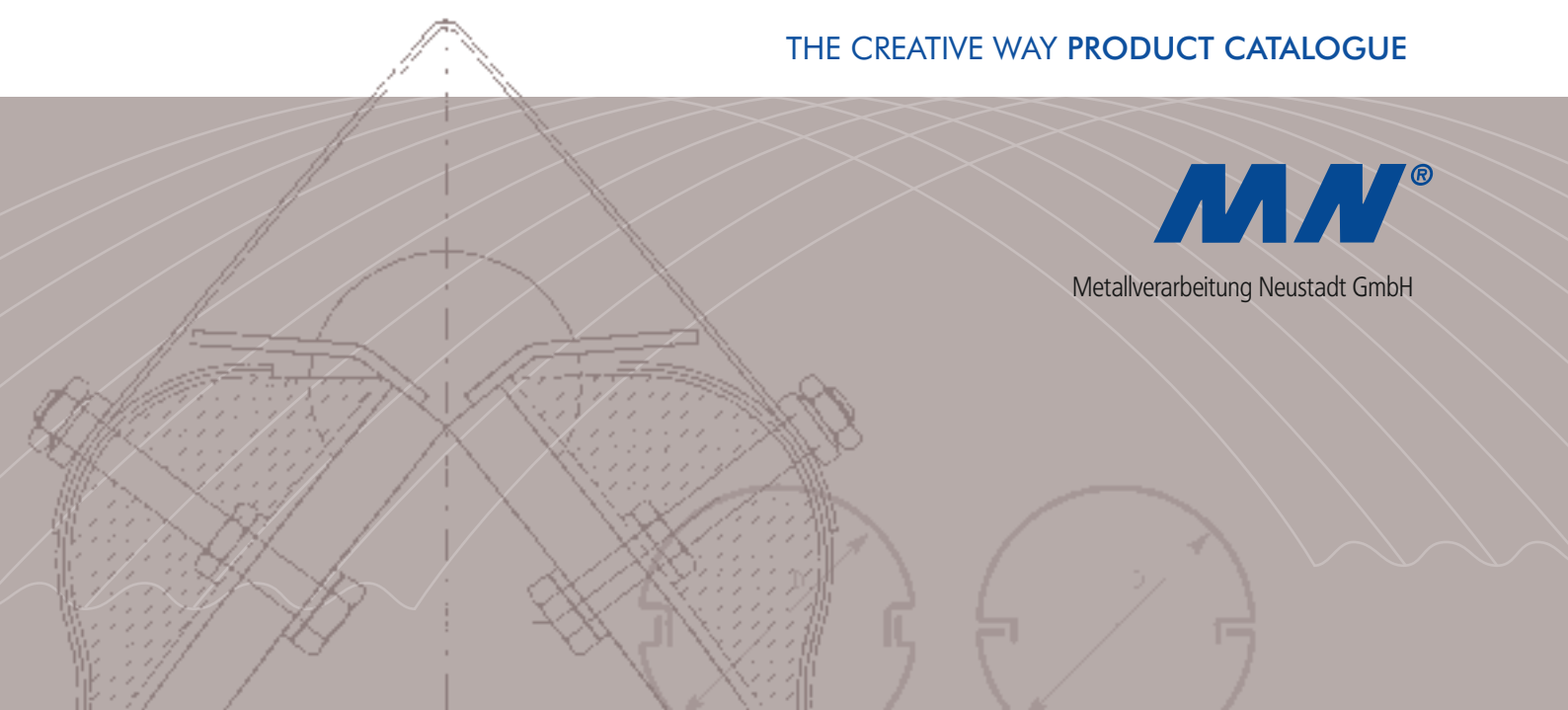


THE CREATIVE WAY PRODUCT CATALOGUE



Metallverarbeitung Neustadt GmbH





wellTEC® – Creative Corrugated, Trapezoidal or Zigzag Sheets

Discover new vistas for design and architecture with wellTEC®. A wide variety of shapes, materials and surfaces give free rein to your creativity when designing facades, roofs and walls. As a result of our many years of experience in the

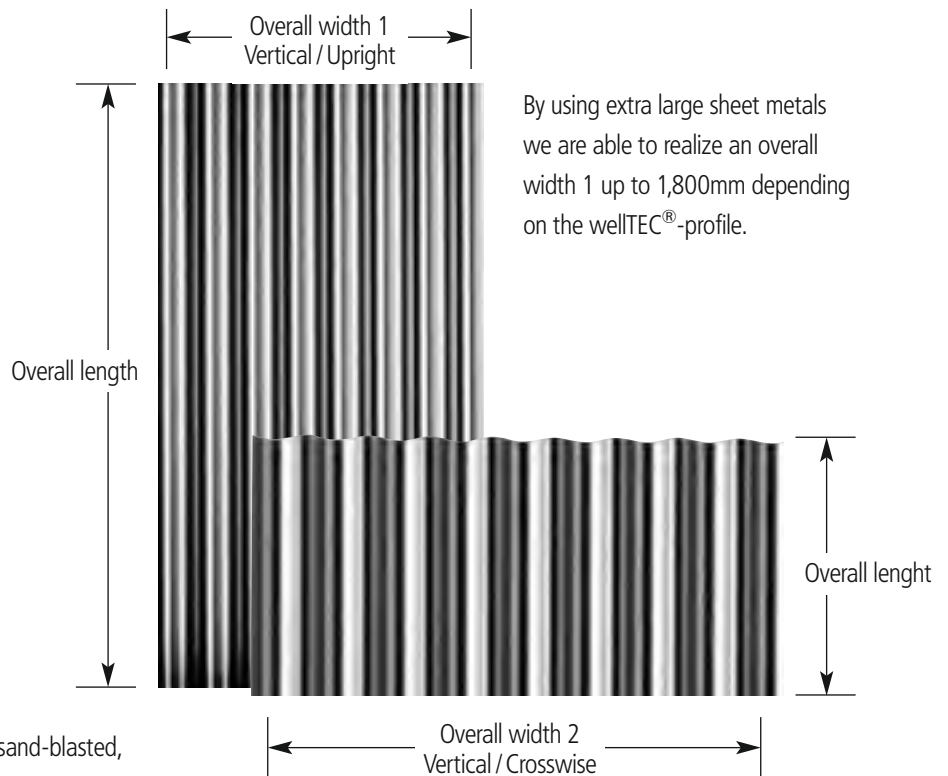
development of wellTEC®, we are able to meet even unusual requirements quickly and professionally. From advice to production – and, if required, even installation on suitable sub-structures – everything one-stop.

Material

- High-grade steel
- Steel
- Aluminium
- Brass
- Titanium zinc
- Copper as well as other metals

Surfaces

- In any finish desired, e.g. pickled, polished, sand-blasted, textured, with PE and PVDF varnish coats



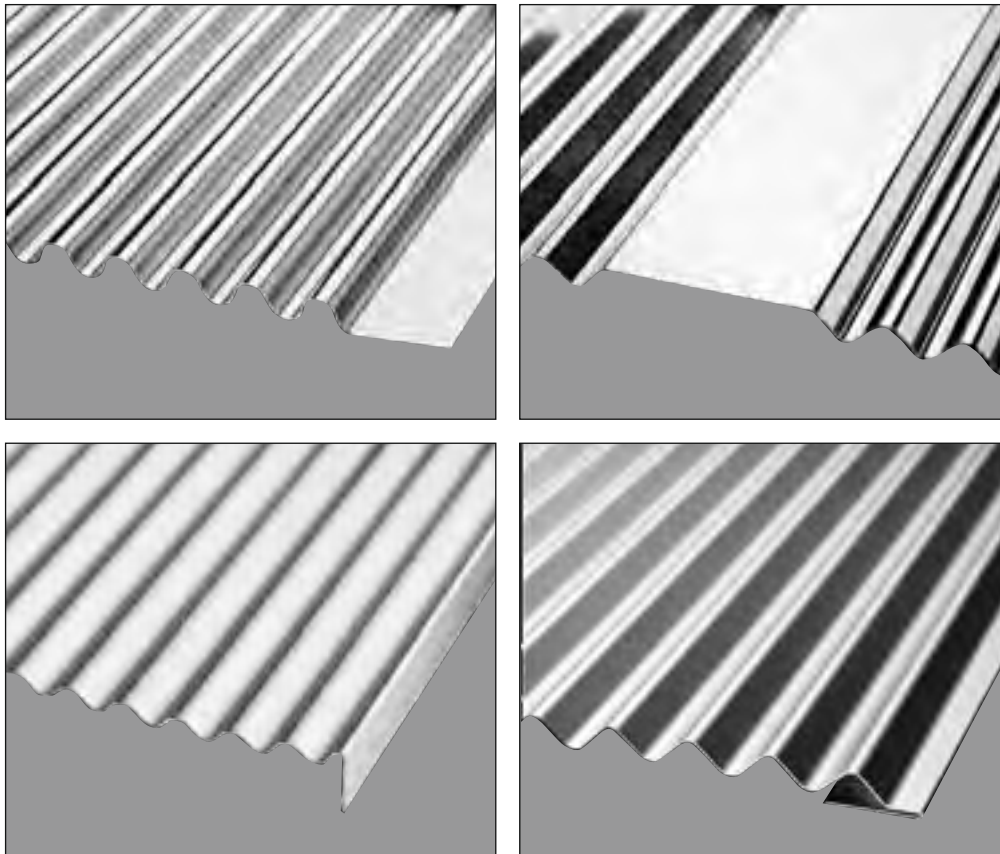
We manufacture according to your desires and requirements

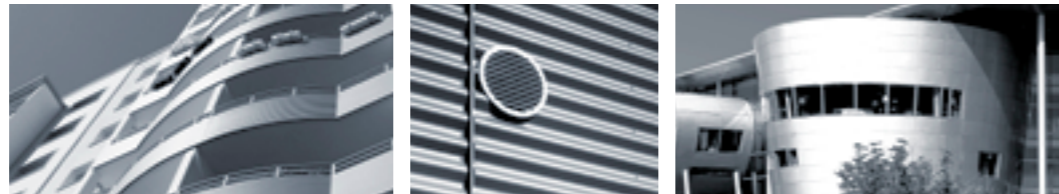
- In sizes up to 5,500 mm panel length or overall width
- In thickness from 0.5 mm to 5 mm

When ordering, please specify the desired shapes and panel sizes. Limited sizes for brass and copper are available on request. Special sizes in other materials are also available on request.

Edges

wellTEC[®] can be fixed without any additional profiles due to individually designed edge details. This unique additional opportunity compensates also existing building tolerances.



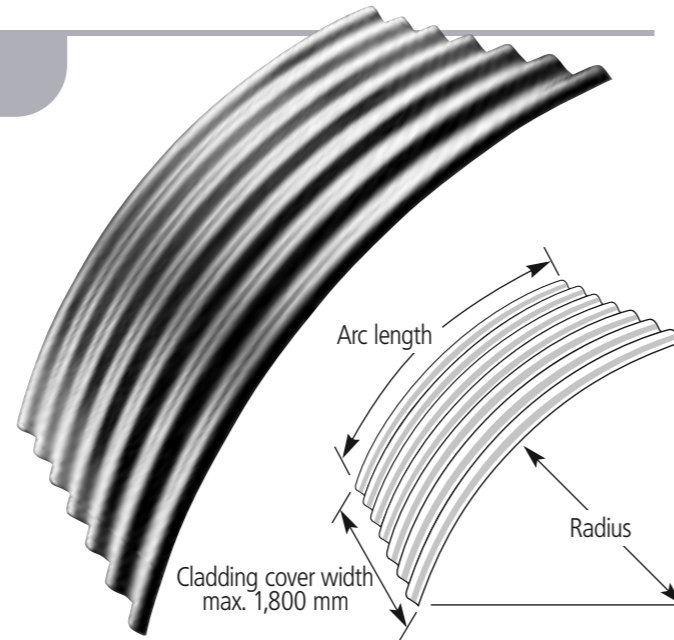


Bowing

welTEC[®] is even "curved" available.

Crown bowing means the crown is bent against the corrugation profile. Areas of application are in tunnel linings, special waggons and canopy roofs.

Crown bowing also permits progressive narrowing of the overall width toward one end. This makes welTEC[®] an outstanding option for covering roof cupolas, for example.



Note

Sheet thickness: $t = 0.5 - 1.0$ mm

smallest radius for sheet thickness:

$t = 0.5$ mm = 3,000 mm

$t = 0.7$ mm = 1,200 mm

$t = 1.0$ mm = 1,000 mm

Cambered sheets made of aluminium, steel and stainless steel:

- for technical reasons 200 mm at each end of the sheet are left uncambered (G)
- length of sheet upon request

For your order we need the following information:

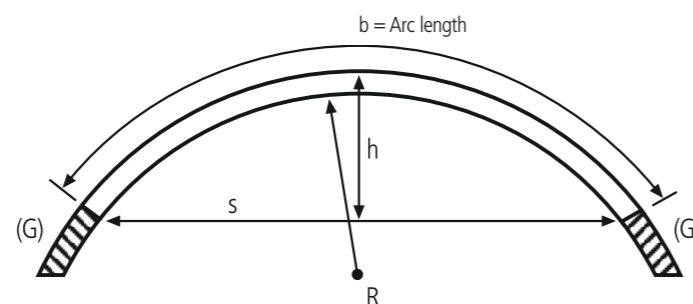
b = arc length

s = chord

h = height

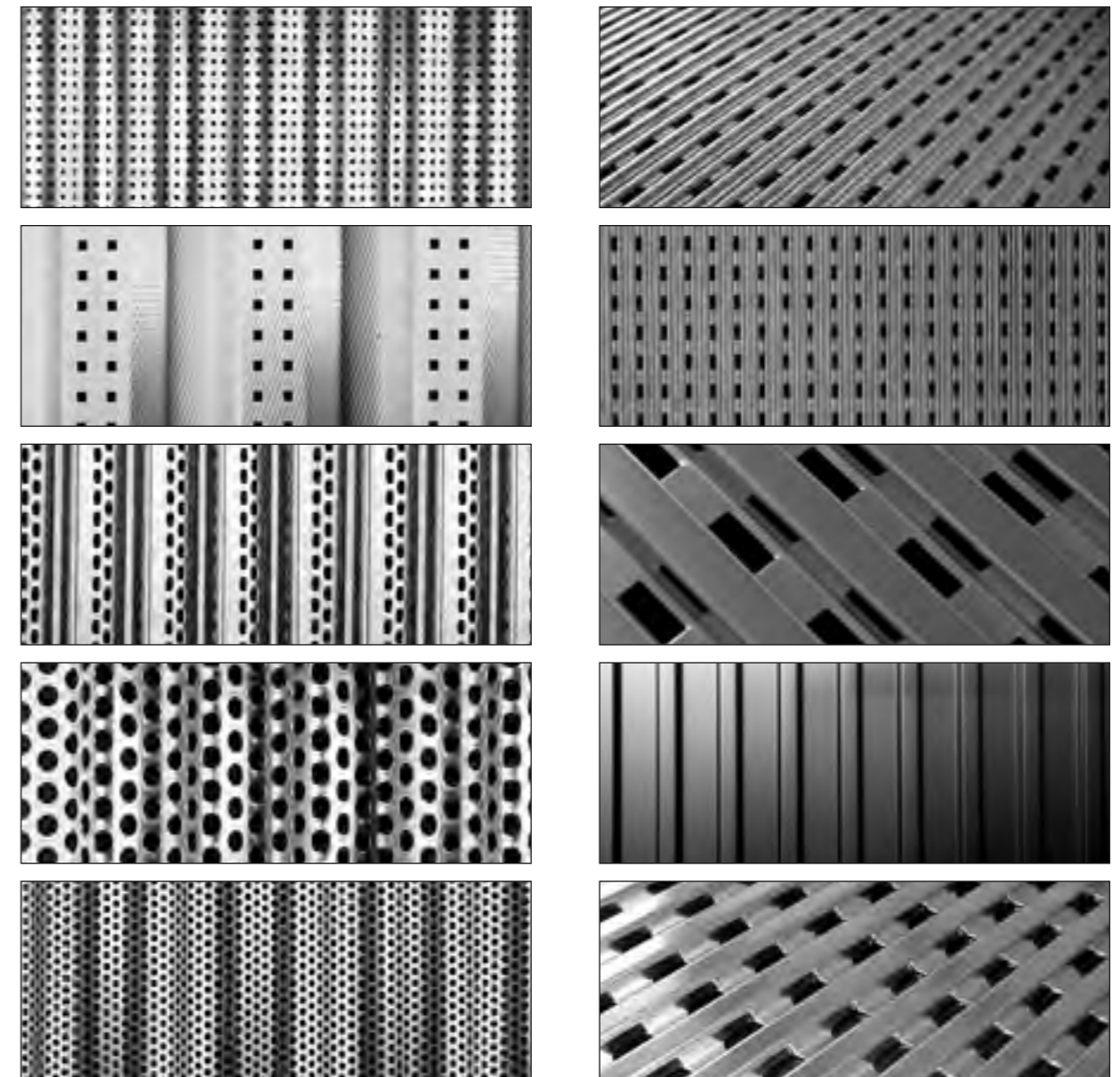
R = radius

(all measurements in millimetre)

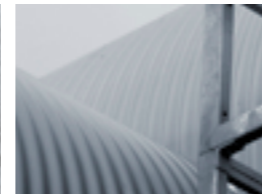


Perforations

Various options can be supplied, either over entire areas or with partial perforation.



Additionally fretwork and recesses for speakers, lamps, beams, fixing holes etc. can be added to any corrugated sheet.



Group W (Profiled Corrugated Sheets)

MM [®] Art. No.	Sketch	max. panel length in mm
W-1.5/3 also available as metal plates curved in two planes		3,000
W-1.5/5 also available as metal plates curved in two planes		3,000
W-2.5/9 also available as metal plates curved in two planes		3,000
W-4/10		1,500
W-6/15 also available as metal plates curved in two planes		3,000
W-6/32 also available as metal plates curved in two planes		5,500
W-8/25 also available as metal plates curved in two planes		5,500
W-8/120 also available as metal plates curved in two planes		5,500
W-10/60 also available as metal plates curved in two planes		5,500

MM [®] Art. No.	Sketch	max. panel length in mm
W-15/40		5,500
W-18/76 also available as metal plates curved in two planes		5,500
W-20/50		5,500
NEW W-20/70		5,500
W-27/100 also available as metal plates curved in two planes		5,500
W-27/111 also available as metal plates curved in two planes		5,500
W-30/135		5,500
W-40/125		5,500
W-42/160		5,500



Group W (Profiled Corrugated Sheets)

Art. No.	Sketch	max. panel length in mm
W-45/60		5,500
W-45/129		5,500
W-48/100		5,500
W-45/150		5,500



Group T (Trapezoidal Sheets)

Art. No.	Sketch	max. panel length in mm
T-2.5/82		5,500
T-3/20		3,000
T-10/30		3,000



Group T (Trapezoidal Sheets)

Art. No.	Sketch	max. panel length in mm
T-15/45		3,000
T-20/60		5,500
T-25/75		5,500
T-26/167		5,500
T-50/150		5,500
T-100/275		5,500
T-21/146		5,500
T-35/125		3,000



Group Z (Zigzag Sheets)



Group S (Extra profiled plates)

Art. No.	Sketch	max. panel length in mm
Z-10/30		3,000
Z-15/45		3,000
Z-20/60		3,000
Z-25/80		5,500
Z-50/120		3,000
Z-13/26		5,500
Z-20/40		5,500

For outdoor use **MM** provides these fanfold profiles with a variable screw plate (e.g. SZ-35/35-R; find more profiles in Group S, pages 11, 12 and 13).



Art. No.	Sketch	max. panel length in mm
ST-H-R		3,000 / 5,500
SW-H-R		3,000 / 5,500
SZ-H-R		3,000 / 5,500
SZ-A-R		3,000
NEW Sample 1		
	Flat sections can be realized nearly within every profile.	
NEW Sample 2		
	Varying axes can be realized nearly for every profile.	

The basic forms for Group S can be found under Group W/T and Z. The quoted dimensions between axes are minimum.

The dimensions between axes in Group S can be increased variably through use of vertical plates.

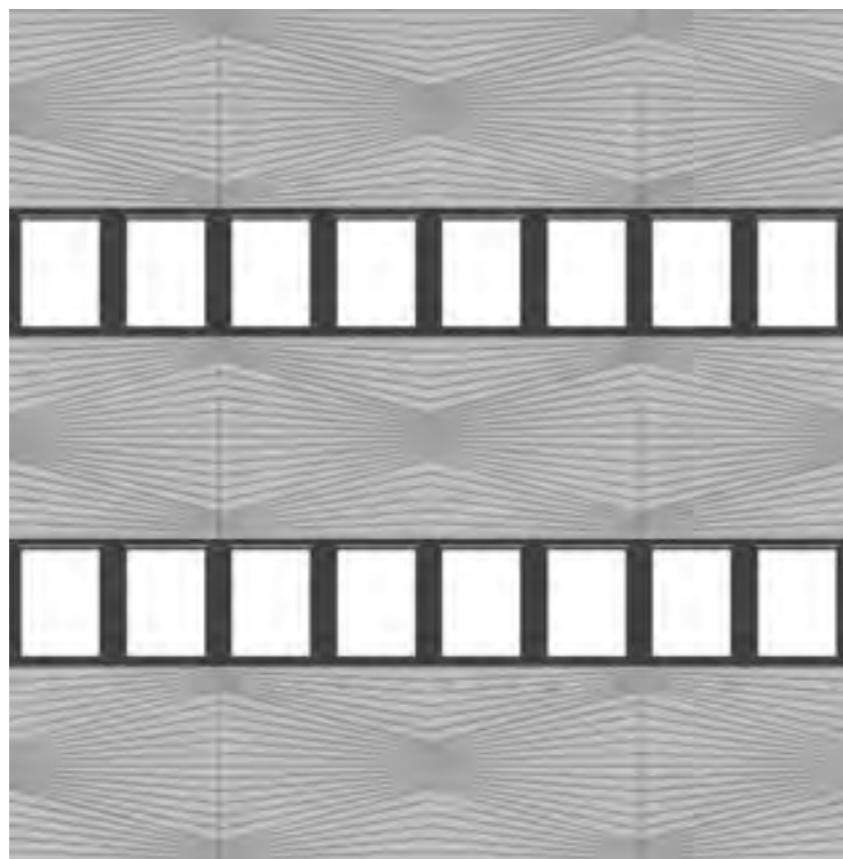


Group S (Extra profiled plates)

NEW

Sample 3

RAUTE



RAUTE



Can be realized nearly for every profile.

MM Art. No.

Sketch

max. panel length in mm

SQ-5/5-R			3,000
SQ-12/12-R			5,500
SQ-20/20-R			5,500
SZ-25/50-R			5,500
SZ-35/35-R b ₁ min. 68.50 mm			5,500

The basic forms for Group S can be found under Group W/T and Z. The quoted dimensions between axes are minimum. The dimensions between axes in Group S can be increased variably through use of vertical plates.



Group S (Extra profiled plates)



Group SP (Specially profiled plates)

Registered design number
of the German patent: 202 02 872.0

Art. No.	Sketch	max. panel length in mm
SZ-30/60-R b ₁ min. 70 mm		5,500
SZ-39/60-R		5,500
SW-25/113		3,000
SR-15/40-R		5,500
SR-15/22-R b ₁ min. 57 mm		3,000
ZW-1.5/4		3,000
WW-1.5/5		3,000

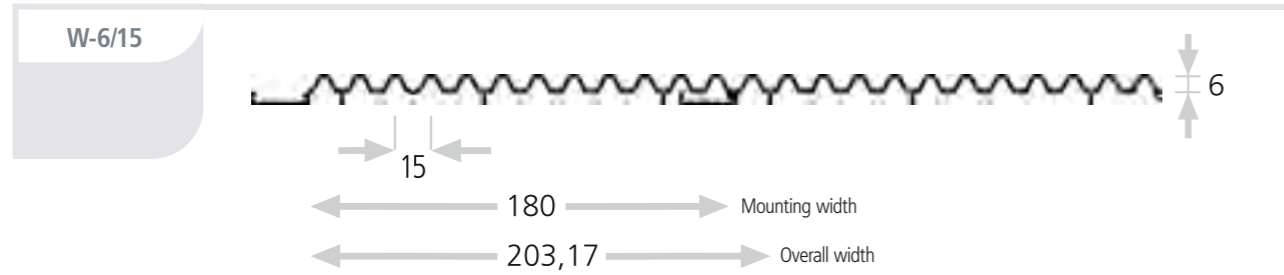
Art. No.	Sketch	max. panel length in mm
SP1-40/50-R b ₁ min. 100 mm		4,000
SP1G-40/50-R b ₁ min. 100 mm		4,000
SP2-40/50-R b ₁ min. 75 mm		5,500
SP2G-40/50-R b ₁ min. 75 mm		5,500
SP3-50/60-R b ₁ min. 100 mm		3,000
SP3G-50/60-R b ₁ min. 100 mm		3,000



Extruded panel

MM Art. No.

Sketch



Thickness 1.5mm

W-6/15

End section



is plugged into section W-6/15

Construction elements made from aluminium: extruded panel W-6/15 including lower end panel for concealed screw connection.

An individual colour scheme according to RAL and NCS by powder coating offers several possibilities for designing.



Connecting profiles

Material

- Stainless steel
- Steel
- Aluminium
- Brass
- Copper and all other materials

We produce to your wishes

· Dimensions

- In lengths up to 5,000 mm, other lengths on request
- In thickness from 0.75 mm to 4 mm

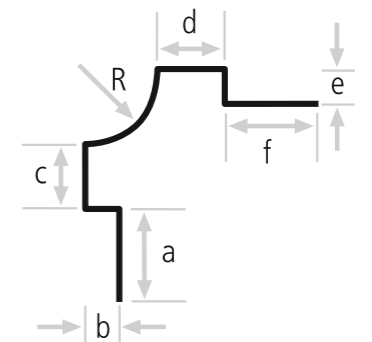
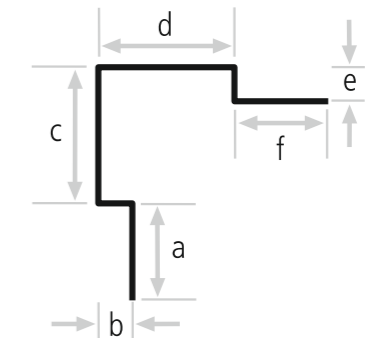
· Surfaces

- In any desired finish, e.g.: rolled bright, coated or pickled, polished, blasted, textured, PE- and PVDF-varnishes.

· Fabrication

- Of course we will cut the sheets to any desired length and width, with any types of edging, hole patterns and contours.

Please state the desired shapes and overall lengths when ordering. Limited dimensions for brass and copper apply on request. Special sizes in other materials are likewise available on request. Add this completed form to your order/fax.



Construction, Form, Design:



Serie E

Construction, Form, Design:



Serie R

Connecting profiles

MN Art. No.	Sketch	Sketch	MN Art. No.
E 01 Outer corner			E 02 Inner corner
E 03 Pilaster strip			E 04 Soffit
E 05 Lintel			E 06 Window ledge

MN Art. No.	Sketch	Sketch	MN Art. No.
R 03 Pilaster strip			R 04 Soffit
R 05 Lintel			R 06 Window ledge

Construction, Form, Design:



Serie B

Construction, Form, Design:



Serie R

MN Art. No.	Sketch	Sketch	MN Art. No.
R 01 Outer corner			R 02 Inner corner

MN Art. No.	Sketch	Sketch	MN Art. No.
B 01 Outer corner			B 02 Inner corner
B 03 Pilaster strip			B 04 Soffit
B 05 Lintel			B 06 Window ledge

Connecting profiles



Serie K



Serie S

MN ® Art. No.	Sketch	Sketch	MN ® Art. No.
K 01 Outer corner			K 011 Outer corner
K 02 Inner corner			K 021 Inner corner
K 03 Pilaster strip			K 031 Pilaster strip
K 04 Soffit			K 041 Soffit
K 05 Lintel			K 06 Window ledge

MN ® Art. No.	Sketch	Sketch	MN ® Art. No.
S 01 Outer corner			S 02 Inner corner
S 03 Pilaster strip			S 031 Pilaster strip
S 04 Soffit			S 05 Lintel
S 06 Window ledge			



Connection Profile Standard

Edge parts, steel, aluminium, stainless steel or titanium zinc

MM® item

examples

Corner



Pent connection



Door enclosing



Root point



Ridge



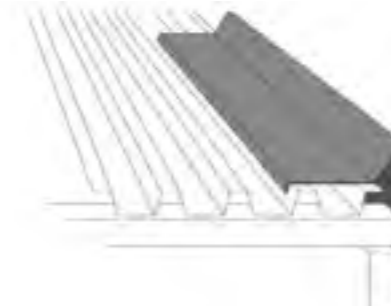
MM® item

examples

Pent roof connection



Verge



Parapet



Wall connection



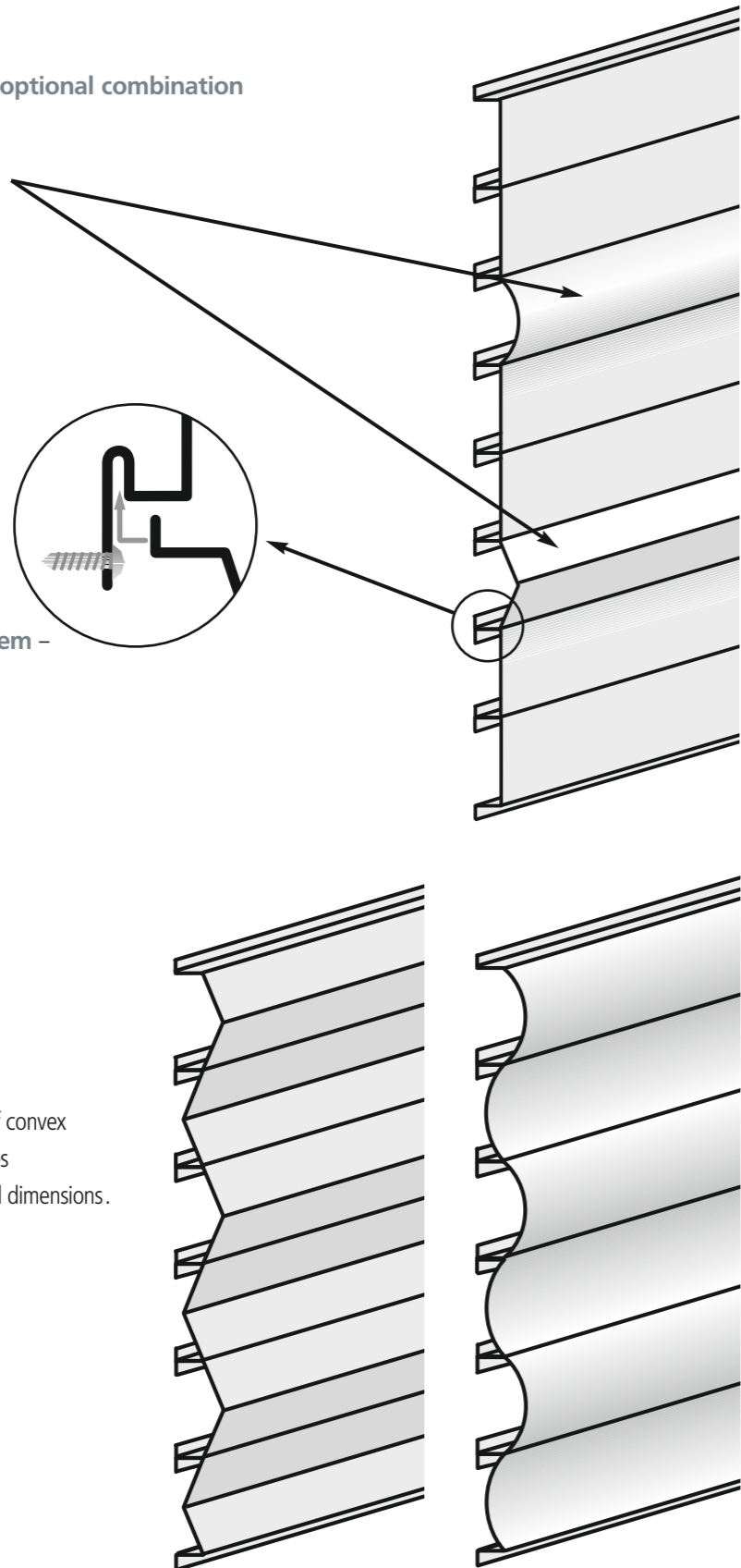


wellTEC[®] Giga[®] Cassette System

Registered design of the German patent : 200 09 696.6

The variable Modular System

Highlight facade areas by an **optional combination** with other contours.



The **MN-Assembly-System** -
Simple and economical.

The alternate arrangement of convex
and concave profiles produces
corrugations in new sizes and dimensions.

Cassette lengths up to 6,000 mm

MM [®] Art. No.	Sketch	Sketch	MM [®] Art. No.
G-E 50/250			G-T 70/250
G-DA 70/250			G-DI 50/250
G-RA 70/250			G-RI 50/250



MM[®] colTEC[®] Column Linings

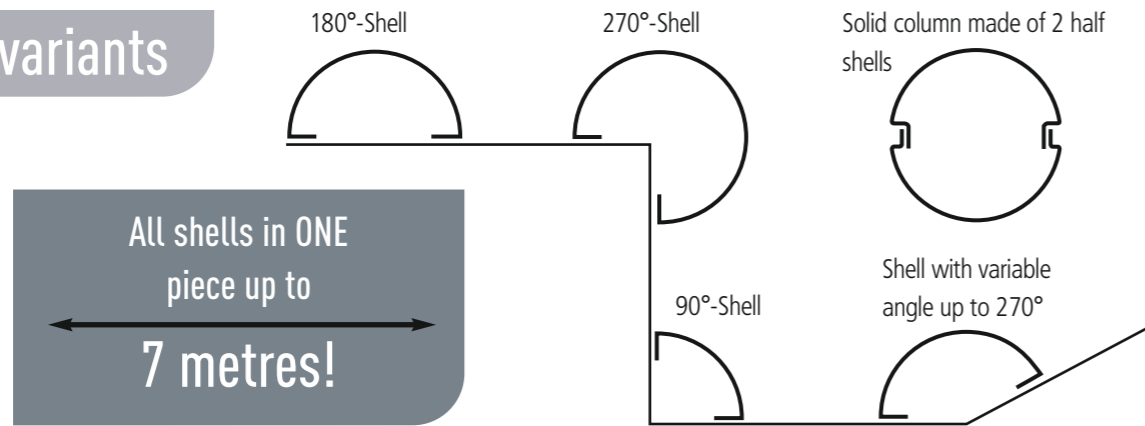
Registered design of the German patent : 200 09 079.8

colTEC[®] – High-quality and modern Column Cladding

colTEC[®] column cladding opens new vistas for your creativity and provides fascinating opportunities for challenging architecture and exhibition stand construction. Apart from the classical use as solid-column linings, colTEC[®] also offers several possibilities for

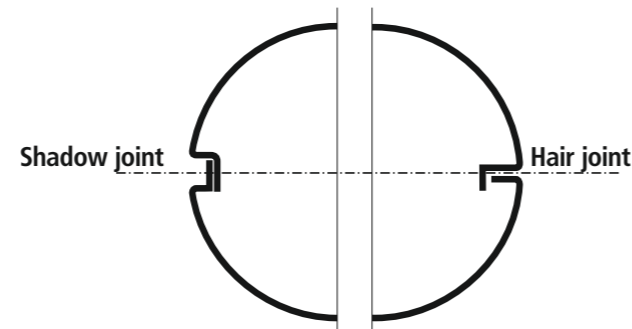
designing walls and corners, e.g. with half and quarter shells. Furthermore, it is possible to produce characters or cutouts in order to integrate functional elements or to achieve special effects by back-lighting.

Shape variants



Joint designs

In the field of joint design, it is also possible to adapt colTEC[®] column linings to the respective requirements of the designer, i.e. the joint can either be deliberately highlighted by a shadow joint, or it can be discretely suppressed by a hair joint with invisible fixing.



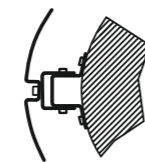
Mounting

Shadow joint

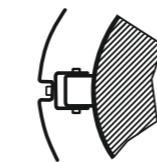
Bolted directly
D = Column without casing + 40 mm



with U-profile, bolted
D = Column without casing + 140 mm

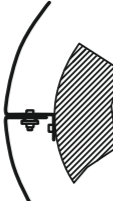


with U-profile, clamped
D = Column without casing + 140 mm

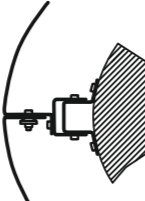


Hair joint

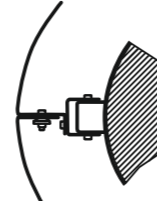
Bolted directly
D = Column without casing + 120 mm



with U-profile, bolted
D = Column without casing + 220 mm



with U-profile, clamped
D = Column without casing + 220 mm

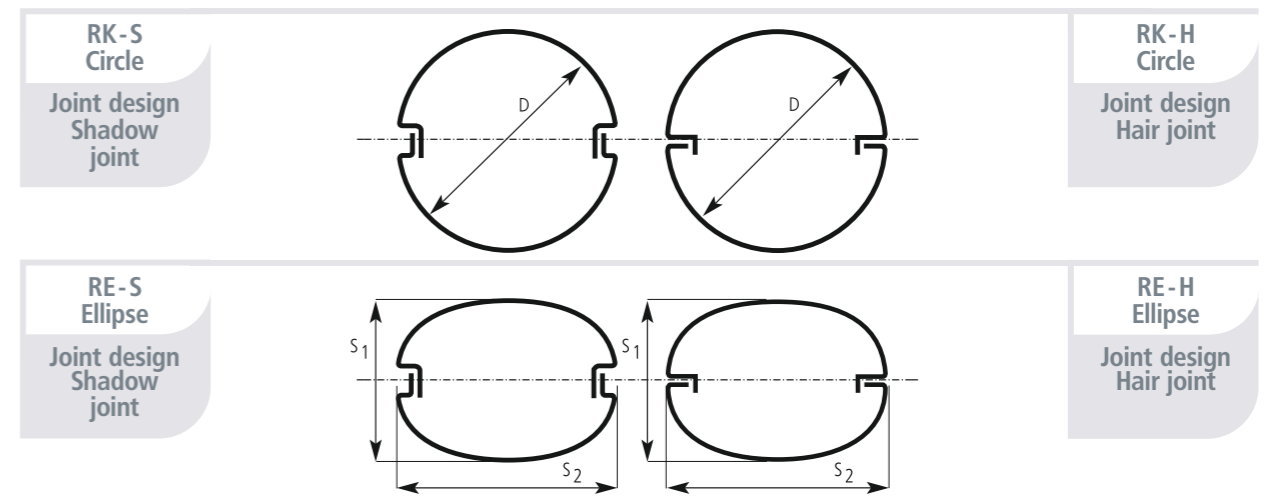


Group R

MM[®] Art. No.

Sketch

MM[®] Art. No.



Construction, Form, Design:

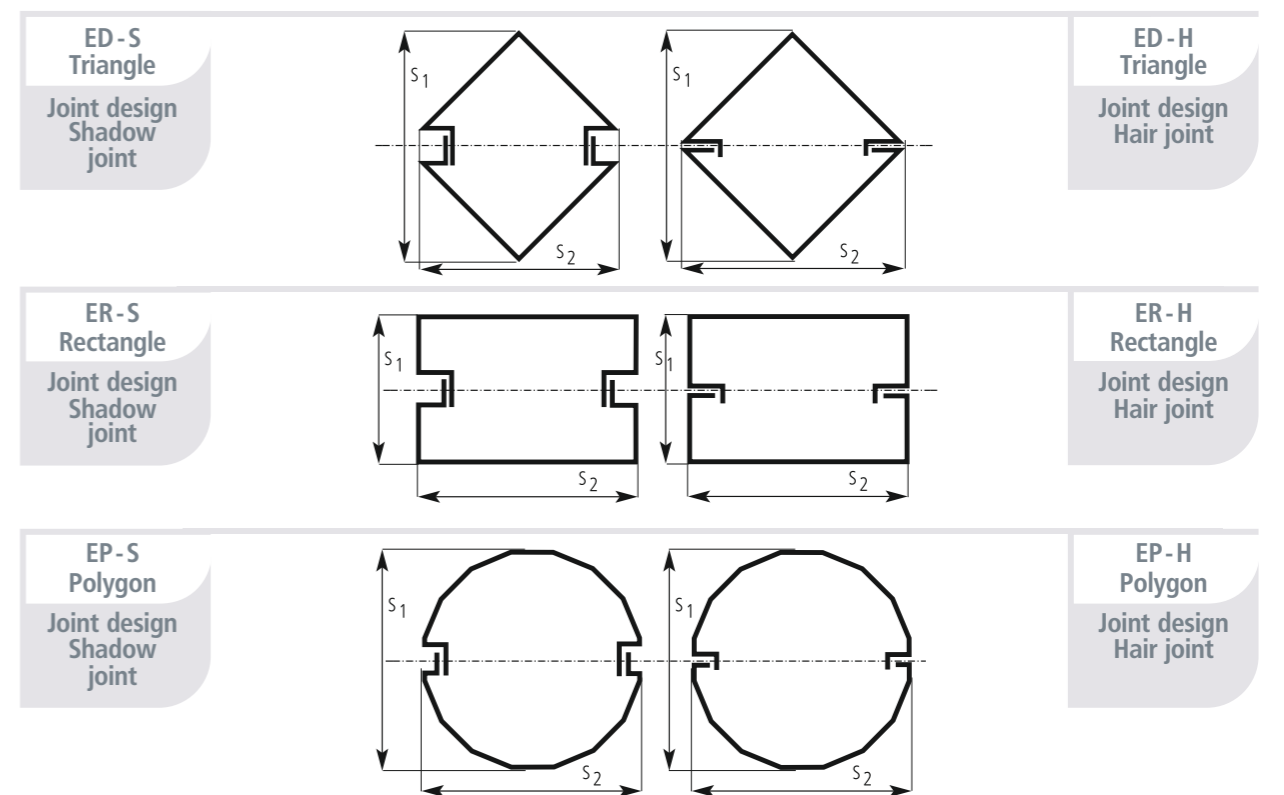


Group E

MM[®] Art. No.

Sketch

MM[®] Art. No.





MN[®] planTEC[®] Perforated and Embossed Plates

planTEC[®] – Perforated and Embossed Sheets in a Variety of Patterns

By using planTEC[®] sheets there are almost no limits to your imagination when designing walls, ceilings and floors. planTEC[®] perforated and embossed sheets provide excellent functionality as well as optical features. For example, perforated sheets can be used for acoustic insulation or for rear lighting; MN embossed sheets can be supplied with excellent load-bearing properties.



Individual perforation for cladding such as:

- Cassettes
- Panels
- Single surfaces



Group Perforated Plates

MN[®] Art. No.

Sketch

examples

<p>Rg w/t</p>		<p>Rg-2/6.06 Rg-2.2/4 Rg-10/20</p>
<p>Rv w/t</p>		<p>Rv-5/8 Rv-10/20</p>



Group Perforated Plates

MN[®] Art. No.

Sketch

Examples

<p>Qg w/t</p>		<p>Qg-8/15 Qg-10/20 Qg-20/40</p>
<p>Qv w/t</p>		<p>Qv-8/15 Qv-10/20 Qv-20/40</p>
<p>Lg w/t-t1/t2</p>		<p>Lg-3/6-9.5/13.5 Lg-7/15-15/25 Lg-10/25-20/30</p>
<p>Lv w/t-t1/t2</p>		<p>Lv-7/15-15/25</p>
<p>Block perforation</p>		<p>Block and special perforations (e.g. 6x round hole) can be produced using the above examples. On request: non-perforated edges, edgings, combination with wellTEC[®]/colTEC[®]</p>
<p>Special perforation</p>		



Group Embossed Sheets

MM Art. No.

Sketch

Examples

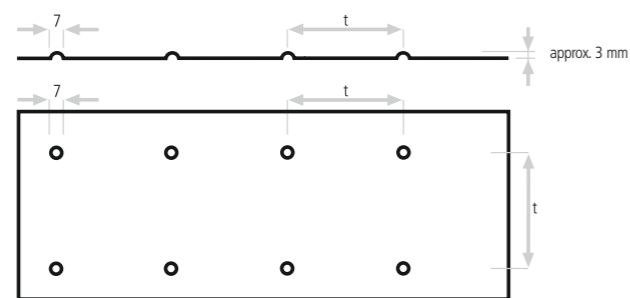
MM Art. No.

Sketch

Examples

RNg 7-t

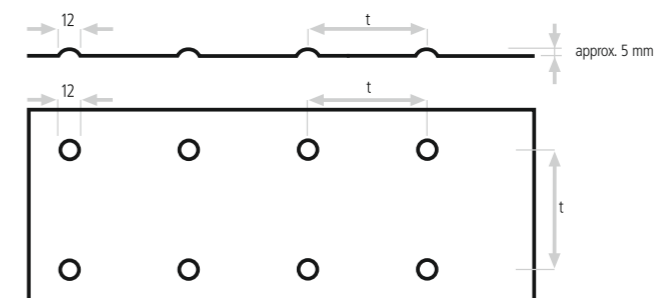
Round stud Straight
(ball shaped)



t min. 40 mm
s = 1.5 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNg 12-t

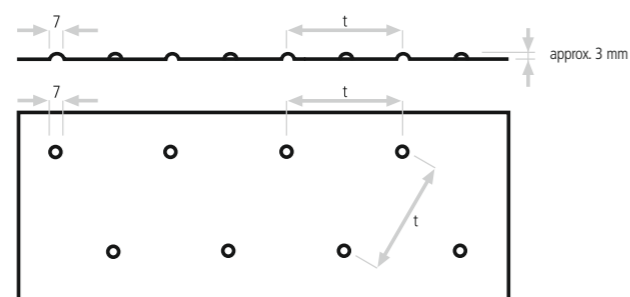
Round stud Straight
(ball shaped)



t min. 50 mm
s = 2-3 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNv 7-t

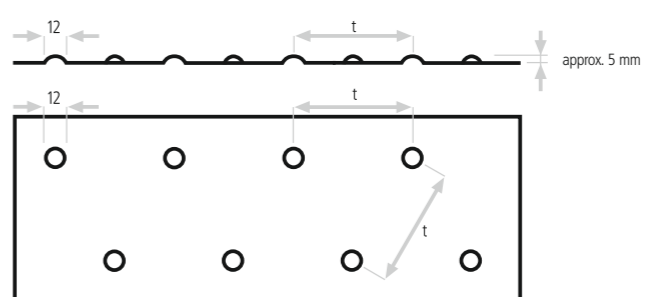
Round stud Offset
(ball shaped)



t min. 40 mm
s = 1.5 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNv 12-t

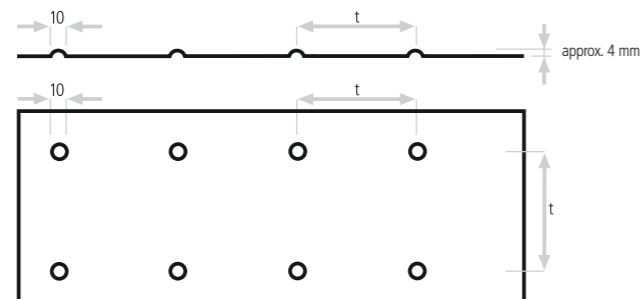
Round stud Offset
(ball shaped)



t min. 50 mm
s = 2-3 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNg 10-t

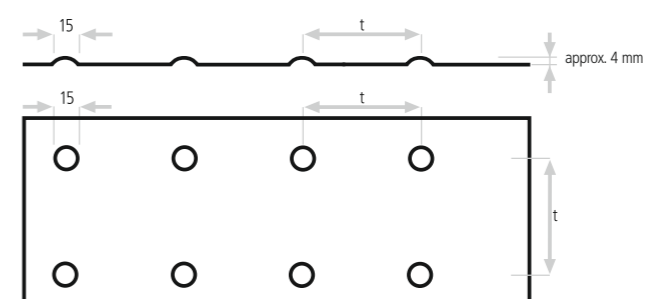
Round stud Straight
(ball shaped)



t min. 50 mm
s = 1-2 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNg 15-t

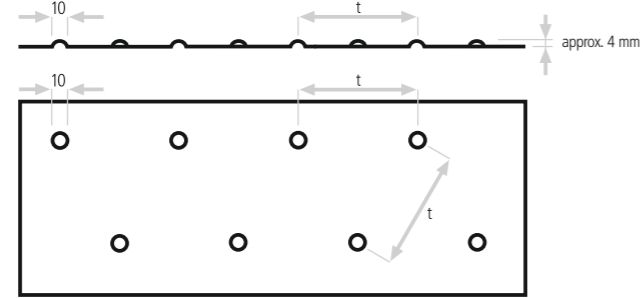
Round stud Straight
(ball shaped)



t min. 50 mm
s = 2 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNv 10-t

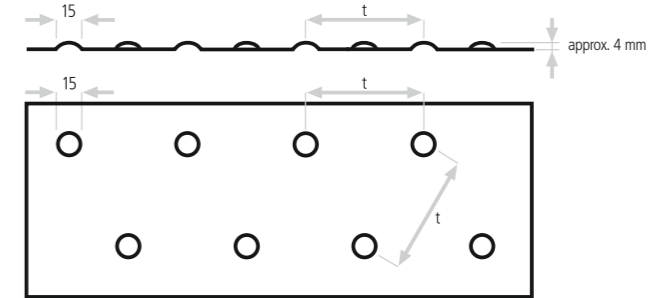
Round stud Offset
(ball shaped)



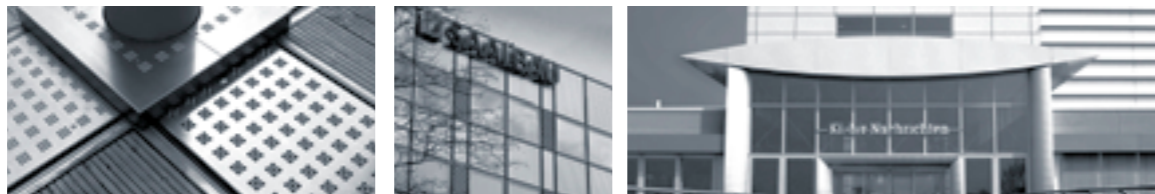
t min. 50 mm
s = 1-2 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm

RNv 15-t

Round stud Offset
(ball shaped)



t min. 50 mm
s = 2 mm
Formats:
1,000 x 2,000 mm
1,250 x 2,500 mm
1,500 x 3,000 mm



Group Embossed Sheets

NEW	MM [®] Art. No.	Sketch	Examples
	RNg 25-t Round stud Straight (ball shaped)		t min. 80 mm s = 1.5 mm Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm
	RNv 25-t Round stud Offset (ball shaped)		t min. 80 mm s = 1.5 mm Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm
	RNg 15-t Round stud Straight (with plateau)		t min. 50 mm s = 2 mm Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm
	RNv 15-t Round stud Offset (with plateau)		t min. 50 mm s = 2 mm Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm
NEW	RNg 15-36.38 Round stud Straight (with plateau)		s = 2 mm (1.5) Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm

	MM [®] Art. No.	Sketch	Examples
	PNg 8-t Pyramid stud Straight		t min. 60 mm s = 1.25 mm Formats: 1,000 x 2,000 mm
	PNv 8-t Pyramid stud Offset		t min. 60 mm s = 1.25 mm Formats: 1,000 x 2,000 mm
	QNg 25-t Square stud Straight		t min. 50 mm s = 2 mm Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm
	QNv 25-t Square stud Offset		t min. 50 mm s = 2 mm Formats: 1,000 x 2,000 mm 1,250 x 2,500 mm 1,500 x 3,000 mm



Group Embossed Sheets



MN Consulting Service

MN Art. No.

Sketch

Examples

<p>PNg 6/6 Pyramide stud</p>		<p>s = 1 mm Length: 3,000 mm</p>
<p>TS-20/80 Trapezoidal bead</p>		<p>Bead length: 444 mm 974 mm 2,174 mm</p>
<p>RS-15/40 Round bead</p>		<p>Bead length: 1,000 mm up to 5,000 mm</p>
<p>KS-2.5/82 Cross bead</p>		<p>Cruciformed in 82 mm grid Sizes up to: 1,250 x 2,500 mm</p>

Customer Service – For Individual Requirements

Alongside our high standards of quality and ability to meet deadlines, customer service is also extremely important to us. Our strength lies in providing individually tailored solutions for our customers. For architects, engineering firms or construction companies; for serial or individual production; from consultation to manufacture. Use our enquiry/quotation form or contact us personally. We look forward to hearing from you!

Orders

You can place your order easily and directly with **MN**:

Over the Phone: +49(0)45 61 / 5179-0 from 8 a.m. to 4 p.m. MEZ

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Tender text proposals are shown at the end of this catalogue.

wellTEC® P age 37

colTEC® P age 38

planTEC® P age 39

General note:

This brochure is based on information available on going to print. Errors excepted. In case of product change or improvement, information contained in this brochure may be altered or withdrawn without prior announcement.

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MN[®] Fax-Inquiry

Construction, Form, Design:



Tender Text Proposal

To +49 (0) 45 61 / 51 79 70

Sender

Company

Contact

Street

Postal Code/Place

Telephone

Fax

E-Mail

Please prepare a quotation for following range:

Group

Art. No.

Material

Quantity

Surface

Material thickness

Dimensions

wellTEC[®]

Pitch of corrugations (h) mm

Width of corrugations (b₁) mm

Panel length (l) mm

Overall width (b₂) mm

colTEC[®]

Type of join

Length mm

Diameter ø mm

and/or principal dimensions

planTEC[®]

Panel length mm

Panel width mm

Custom metal plates

Panel length mm

Panel width mm

Item	Quantity Pcs/m ²	Descriptions	EP	Total
.....	wellTEC[®] -Group	.....	.....
.....	MN Art. No. ....	.....	.....
.....	Material	.....	.....
.....	Corrugation height (h) mm	.....	.....
.....	Corrugation width (b ₁) mm	.....	.....
.....	Thickness (s) mm	.....	.....
.....	Overall length (l) mm	.....	.....
.....	Overall width (b ₂) mm	.....	.....
.....	Bowing yes <input type="checkbox"/> no <input type="checkbox"/>
.....	Radius mm	.....	.....
.....	Arc length mm	.....	.....
.....	Surface	.....	.....
.....	Mill finish .....	.....	.....
.....	Ground one side .....	.....	.....
.....	Ground both sides .....	.....	.....
.....	other surfaces .....	.....	.....
.....	Coated according to RAL, on one side .....	.....	.....
.....	Coated according to RAL, on both sides .....	.....	.....
.....	Befestigung	.....	.....
.....	Screws .....	.....	.....
.....	Spacer .....	.....	.....



Metallverarbeitung Neustadt GmbH · Industrieweg 34 · D - 23730 Neustadt
 Tel.: +49 (0) 45 61 / 51 79 - 0 · Fax: +49 (0) 45 61 / 51 79 - 70
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Tender Text Proposal

Item	Quantity Pcs/m ²	Descriptions	EP	Total
.....	colTEC®-Group
.....	MN Art. No. ....	.....	.....
.....	Type of joint .....	.....	.....
.....	Material .....	.....	.....
.....	Thickness	mm .....	.....
.....	Dimensions .....	.....	.....
.....	Length	mm .....	.....
.....	Diameter ø	mm .....	.....
		and/or principal dimensions		
.....	Surface .....	.....	.....
.....	Bright rolled
.....	Ground one side
.....	Other surfaces
.....	Coated according to RAL, on one side



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Tender Text Proposal

Item	Quantity Pcs/m ²	Descriptions	EP	Total
.....	planTEC® -Group
.....	MN Art. No. ....	.....	.....
.....	Material .....	.....	.....
.....	Thickness (s) mm	.....	.....
.....	Overall length (l) mm	.....	.....
.....	Overall width (b) mm	.....	.....
.....	Surface .....	.....	.....
.....	Mill finish .....	.....	.....
.....	Ground one side .....	.....	.....
.....	Ground both sides .....	.....	.....
.....	Other surfaces .....	.....	.....
.....	Coated according to RAL, on one side.
.....	Coated according to RAL, on both sides.



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cutting



Cutting



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Punching



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