Radius, Circo and CaroFalt

Formwork for circular, square and rectangular columns and curved shapes
Radius

The continuously adjustable circular formwork

For radii from 250 cm

The flexible system for curved walls comprises ready-to-use formwork panels accommodating radii upwards of 250 cm. The integrated spindle system allows continuous on-site adjustment of the panels to the required radius. As a special service provided on request, MEVA employees will ensure precise adjustment of the radii or supply you with factory-built radius templates. Radius is compatible with MEVA’s AluStar, StarTec, Mammut 350 and Mammut XT wall formwork systems.

<table>
<thead>
<tr>
<th>Width [cm]</th>
<th>Panel height [cm]</th>
<th>150</th>
<th>300</th>
<th>350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside panels</td>
<td>250</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Inside panels</td>
<td>240</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td></td>
<td>120</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>
Simply smart

⇒ **A top performer**
- 60 kN/m² fresh concrete load capacity
- For tall elements, high pour speeds and large formwork cycles

⇒ **Compatibility**
- AluStar
- StarTec
- Mammut 350
- Mammut XT

⇒ **Panel connection with MEVA assembly lock**
- Fast, trouble-free junctions with straight walls
- Uniform working method, streamlined logistics
- Rapid, labour-saving assembly

⇒ **Easy vertical extension with RS alignment rail and M assembly lock**

⇒ **Intelligent MEVA product design**
- Millimetre-perfect setting of required radii using integrated spindles
- Coated steel facing
- Safe, efficient working through use of MEVA accessories
Radius

Ingenuity down to the finest detail

Safe and flexible

MEVA systems excel by their supreme standards of quality, efficiency and practical detailing. And the tried-and-tested Radius circular formwork, with its high-grade, elastically deformable steel facing, is no exception. Radius sections are connected with push-pull spindles. The location of the spindle system between the stiffening sections minimises the depth of the formwork panels and improves their stackability. Vertical joints between panels are formed with the MEVA assembly lock.
Straightforward bracing with standard MEVA components.

Integral crane eye bolt

Specially coated, elastically deformable steel facing to meet even stringent fair-faced concrete requirements.

Integral spindles
Simple, accurate setting of required radii using integrated spindles and ratchet.

Enhanced corrosion resistance thanks to high-grade powder-coated finish plus additional priming and cavity sealing.

Straightforward bracing with standard MEVA components.
Circo

Twin semi-circular units for all-round satisfaction

Robust, rigid circular steel column formwork

Circo offers the perfect solution for circular columns, meeting all fair-faced concrete requirements. The steel formwork comprises two identical semi-circular column units. High-grade priming and cavity sealing provide reliable protection against corrosion and facilitate cleaning. Circo formwork can accommodate a maximum fresh concrete pressure of 120 kN/m². It can also be used in conjunction with AluStar, StarTec, Mammut 350 and Mammut XT wall formwork panels to form rounded wall ends.

<table>
<thead>
<tr>
<th>Diameter [cm]</th>
<th>Unit height [cm]</th>
<th>50</th>
<th>100</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>*</td>
<td></td>
<td>aw</td>
</tr>
<tr>
<td>50</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>70</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80</td>
<td></td>
<td>*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Simply smart

- **Optimum column height increments**
  - 3 m tall units with 1 m and 0.5 m extensions to cater for all standard heights in 50 cm increments
  - Diameters in 5 cm increments from 25 to 80 cm
  - High-precision fit for stepless vertical extension

- **Safety thanks to**
  - working platform with integrated access hatch
  - ladder

- **Intelligent MEVA product design**
  - Rapid assembly and connection of semi-circular units with MEVA assembly lock
  - Rounded wall ends
  - Straightforward installation of additional MEVA accessories
Circo

Perfectly formed circular columns

Versatile application

Circular concrete columns combine pragmatic benefits with aesthetic appeal. Architectural concepts for framed buildings or halls, for instance, frequently incorporate circular columns with fair-faced finishes as a design feature. Other typical applications include basement car parks, bridge piers or underground stormwater storage tanks.
Perfectly aligned vertical extension by special connecting flanges (turned in pairs)

Circo platform
for Circo circular column formwork with access hatch and foldable side and rear protection

Straightforward installation of accessories

Circo scaffolding bracket

M assembly lock

Ladder

Brace frame

Platform covering
Non-slip aluminium plate flooring

Circo units
Semi-circular formwork units for circular columns

Connection to straight walls
Creation of rounded wall ends
CaroFalt

Foldable, wheelable column formwork

Quick and reliable for best results

CaroFalt is a byword for the fast, efficient casting of high-quality columns. The system comprises four identical panels that are hinged together in the manner of windmill sails to allow rapid deployment. The assembled unit can be rolled to the next work location using clip-on castors or lifted to the next storey by crane in a single operation.

<table>
<thead>
<tr>
<th></th>
<th>Panel height [cm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard unit height</td>
<td>270</td>
</tr>
<tr>
<td></td>
<td>360</td>
</tr>
<tr>
<td>Bottom extension unit</td>
<td>60</td>
</tr>
<tr>
<td>height [cm]</td>
<td>120</td>
</tr>
</tbody>
</table>
Simply smart

- **Optimum size range**
  - Rapid performance of high pours for 20 to 60 cm column cross-sections
  - Square or rectangular column cross-sections, adjustable in 5 cm increments

- **Built-in safety**
  - Working platform
  - Integral access ladder with rear protection
  - Extensions added at bottom to enhance speed and safety of operations

- **Intelligent MEVA product design**
  - alkus all-plastic facing
  - Standard and bottom extension units connected by AS assembly locks
  - Closed hollow frame profile made of steel: structurally robust, hot-dip galvanised with MEVA finish, making it durable and easy-to-clean
  - Easy-to-use CF spanner for fast opening and closing of formwork, even from ladder
  - Rapid panel connection
  - Meeting highest fair-faced concrete requirements
  - Use of standard MEVA accessories

- **Max. 100 kN/m² fresh concrete load capacity**
CaroFalt

Inspired detailing

MEVA’s hallmark

Drawing on numerous standard MEVA product and quality features, the CaroFalt column formwork concept is a technical tour de force that impresses down to the last detail. While the alkus all-plastic facings deliver fair-faced concrete quality, the column arrises can be additionally chamfered through the incorporation of triangular fillets. The high fresh concrete load capacity of 100 kN/m² allows the rapid completion of high vertical pours.

Easy relocation
The assembly can be lifted to the next storey by crane in a single operation.

Relocation with castors
Clip-on castors allow the easy movement of complete units to the next work location.

Simple, time-saving height adjustment
Only one component is needed for rapid, reliable panel connection: the MEVA assembly lock. This allows single-handed fitting and just a few hammer blows suffice to achieve a strong panel connection.

CF spanners to change column cross-section
The square or rectangular column cross-section can be adjusted in 5 cm increments using the perforated rail. The CF spanner allows easy opening and closing of the column formwork, even from the ladder.
Bottom extension
for varying pour heights, the column formwork can be easily shortened or extended at the bottom.

Working platform
Ample working space, supporting loads of up to 200 kg/m², with non-slip aluminium plate flooring.

Integral ladder access
with rear protection

Perforated rail
to simplify adjustment of column cross-section in 5 cm increments

Hot-dip galvanised frame
with surface finish to facilitate cleaning and reduce concrete adhesion

Closed hollow profile
for high stability and long service life

alkus all-plastic facing
No water absorption. Resistant to swelling and shrinkage. The smooth, robust surface guarantees a high-quality concrete finish, even after heavy use.

alkus Panel System
7 Year Long-Term Warranty ON THE ALL-PLASTIC FACING
Pioneer and trendsetter

More with MEVA

Formwork. Simple. Smart.

A lot of things that are now considered to be standard in the formwork industry were developed by MEVA in Hailerbach. As a trendsetter for the entire industry, we work day in and day out with great élan to make formwork even safer, more efficient and easier to use for the end user. For us, the excellent quality of our products and technology is a matter of course.

We are independent, family-run and committed to the values of a medium-sized company in everything we do. That is why our customers may rightly expect not only technologically superior products but also comprehensive, personal commitment to projects all around the world.

Complex special formwork or economical standard formwork: Our experience and wide range of products make us a service partner with strong consulting skills, even for the sophisticated challenges construction professionals have to master nowadays.
Formwork.
Simple. Smart.
You can rely on us wherever you are.

With 40 offices on 5 continents, we are on the spot wherever you need us.

Headquarters (Germany)

MEVA Schalungs-Systeme GmbH
Industriestrasse 5
D-72221 Haigerbach
Tel. +49 7456 692-01
Fax +49 7456 692-66
info@meva.net
www.meva.net

Subsidiaries/international bases

A-Pfaffstätten Tel. +43 2252 20900-0
AUS-Adelaide Tel. +61 8 82634377
Benelux, Gouda Tel. +31 182 570770
BH-Riffa Tel. +973 3322 4290
CDN-Toronto Tel. +1 416 8297547
CH-Seon Tel. +41 62 7697100
DK-Koge Tel. +45 56 311855
F-Sarreguemines Tel. +33 387 959938
GB-Tamworth Tel. +44 1827 60217
H-Budapest Tel. +36 1 2722222
IND-Mumbai Tel. +91 22 27563430
MA-Casablanca Tel. +212 684-602243
MAL-Perak Tel. +60 12 5209377
N-Oslo Tel. +47 67 154200
PA-Panama City Tel. +507 2372222
PH-Manila Tel. +63 998 5416975
QA-Doha Tel. +974 4006 8485
SA-Dammam Tel. +966 582 144144
SGP-Singapore Tel. +65 67354459
UAE-Dubai Tel. +971 4 3411180
USA-Springfield Tel. +1 937 3280822

MEVA Schalungs-Systeme GmbH
Industriestrasse 5
72221 Haigerbach
Germany
info@meva.net
www.meva.net