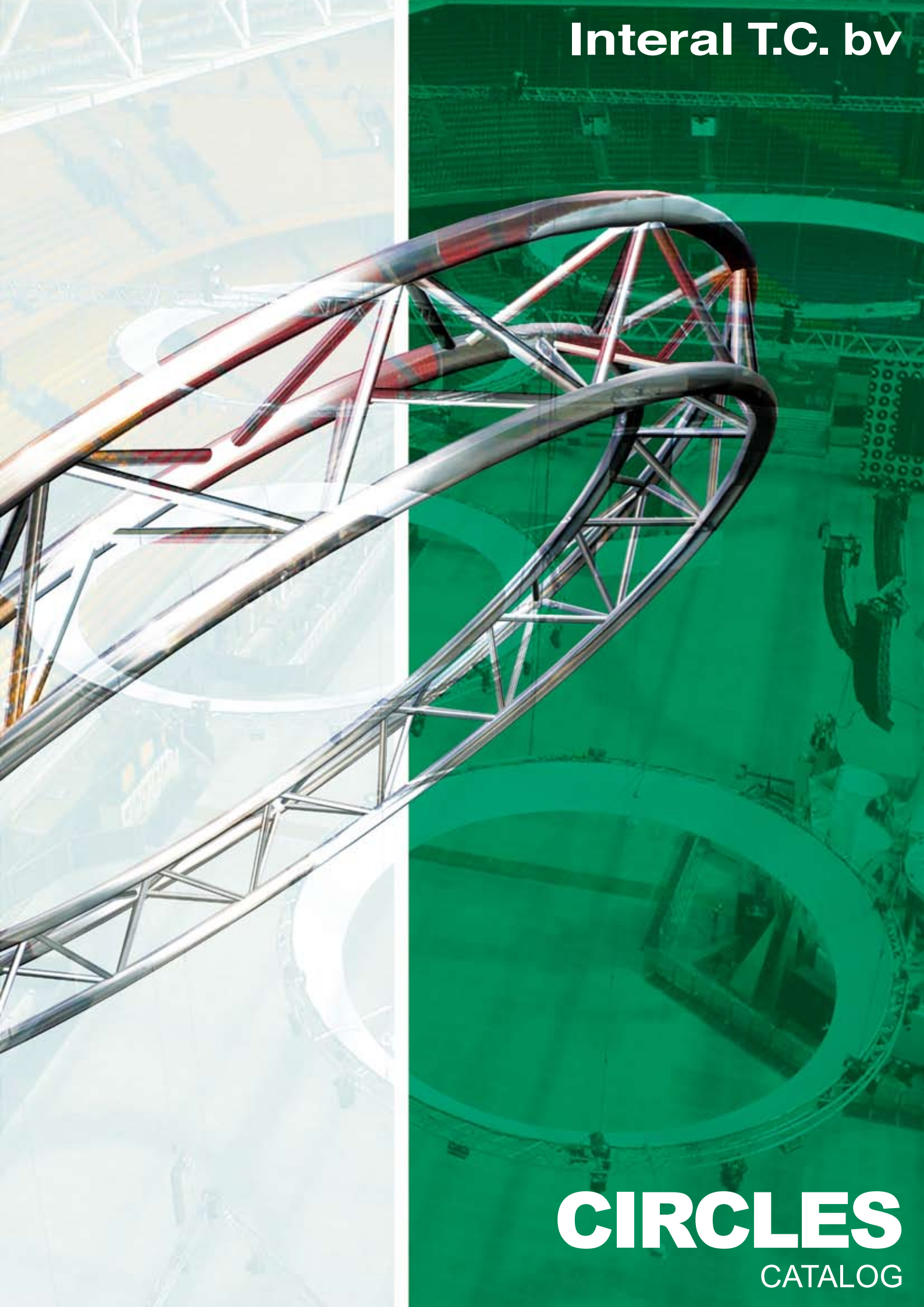


Interal T.C. bv



CIRCLES
CATALOG

The manufacturing of circles is one of the specialities of Intertruss T.C. Single tubes, flat, triangle, square, rectangular and elliptical circles. Whatever the required shape, dimension or type, we can supply them. We offer two different lines for maximum interchangeability, the Protruss range and the Intertruss range.

Intertruss is a Dutch producer of aluminium truss systems. We manufacture trusses: ladder trusses, triangular, square, circular and elliptical trusses and all kinds of special truss designs. All our trusses are available in a range of sizes: 20/20, 30/30, 30/40, 40/40 or 40/60 and tube thicknesses: 32x1.5, 50x2, 48x3, 50x3 or 50 x 4.

A complete circle is always delivered in parts. You will find a list of standard possibilities with regard to dimensions and the number of parts in this brochure. For the number of parts we always advise our customers a multiple of four, so the possibilities in use of the circle is increased. We advise our customers to not make the bent parts longer than 3.5 meters.

The number of parts can be increased or decreased on request of the customer as far as this is technically possible. It is also possible to buy a part of a circle.

Intertruss T.C. circles are always manufactured with great accuracy. This makes it possible to fit a part at any place of the whole. Parts of different circles that have the same size can be interchanged. This enables problem-free replacement of a defective part.

Because we manufacture in-house, we are not only able to react flexibly and quickly, but can also supply customer-specific or project-specific designs. Our "specials" - aluminium structures of every conceivable shape and size- are expertly produced to your exact specifications. You can also call on Intertruss's expertise and experience at the initial design stage.

Buy: The Protruss and the Intertruss ranges are highly competitive, both in terms of quality and price. Orders are placed directly with the factory, with all the benefits of short lines of communication, short lead times and attractive prices. Our trusses - 30/30 and 40/40 ladder, triangular and square - are TÜV certified (certificate number: R60006047). All other models will be certified within a short period.

Rent: Our rental stock includes over one hundred circular structures with diameters ranging from 1 up to 40 metres - these structures can also be supplied in segments. Special structures like these are easy to combine with straight trusses, corner elements, box corners, etc. In addition, we also stock 3000 metres of 30/30 and 40/40 straight truss (triangle and square), with all the matching corner elements and accessories. This range of rental products positions us firmly among the largest truss suppliers in Europe.

The comprehensiveness and versatility of our rental stock, in combination with our inventiveness and experience with custom solutions make Intertruss an attractive partner for stand builders and event organisers.

On a final note: If you are planning a project in the near future that will require trusses, Intertruss is the place to come, regardless of whether you want to buy or rent. We are always happy to put forward an attractive proposal for individual projects.

Yours sincerely,

Intertruss T.C.

SHAPES



type	description
Various	Tube



type	description
Various	Flat (UP)



type	description
Various	Flat (DOWN)



type	description
Various	Triangle apex up / down



type	description
Various	Triangle apex in



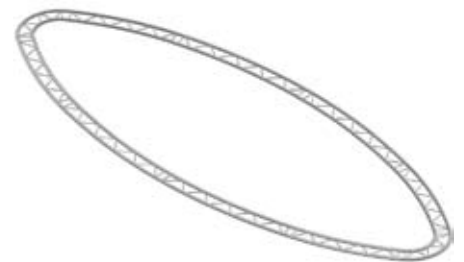
type	description
Various	Triangle apex out



type	description
Various	Square



type	description
Various	Rectangle



type	description
Various	Ellipse

CIRCLE POSSIBILITIES

* = Number of pieces recommended

Different sizes are available on request

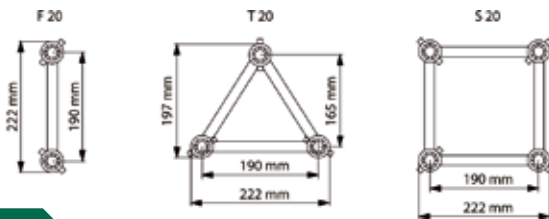
Diameter	*	TU502	TU483	F20	T20	S20	F30	T30	T31	S30	S31	F40	T40	T41	S40	S41	P36R	P36S	P64
100	1	X	X																
150	1	X	X																
200	4	X	X																
250	4	X	X																
300	4	X	X																
350	4	X	X																
400	4	X	X																
450	4	X	X																
500	8	X	X																
550	8	X	X																
600	8	X	X																
650	8	X	X																
700	8	X	X																
750	8	X	X																
800	8	X	X																
850	8	X	X																
900	8	X	X																
950	8	X	X																
1000	8	X	X																
1100	12																		
1200	12																		
1250	12																		
1300	12																		
1400	12																		
1500	16																		
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2400	20																		
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2600	24																		
2700	24																		
2800	24																		
2900	24																		
3000	24																		



Number of pieces recommended.
Different sizes are available on request

technical specifications

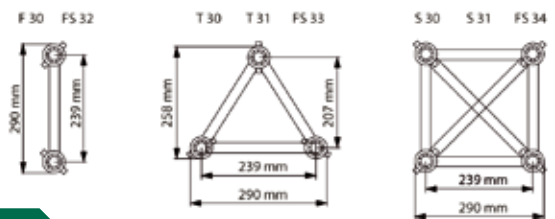
Type	F = Ladder T = Triangle S = Square
Alloy	50 st. AlMgSi 0,5 F 22 ISO Standard AlMgSi EN-AW 6060 T6
Tube	*20 Ø 32 x 1,5 mm *30 Ø 50 x 2 mm *31 Ø 48 x 3 mm *40 Ø 50 x 2 mm *41 Ø 48 x 3 mm *36 Ø 50 x 4 mm *64 Ø 48 x 3 mm *32/33/34 Ø 50 x 2 mm / 50 x 3 mm (D/HD) *42/43/44 Ø 50 x 2 mm / 50 x 3 mm (D/HD)
Brace	*20 Ø 10 x 1 mm *30 Ø 16 x 2 mm *31 Ø 16 x 2 mm *40 Ø 20 x 2 mm *41 Ø 20 x 2 mm *36 Ø 25 x 3 mm *64 Ø 20 x 2 mm *32/33/34 Ø 20 x 2 mm *42/43/44 Ø 25 x 2 mm
Connection	Alu. connection piece with spigot and R-spring



F 20

T 20

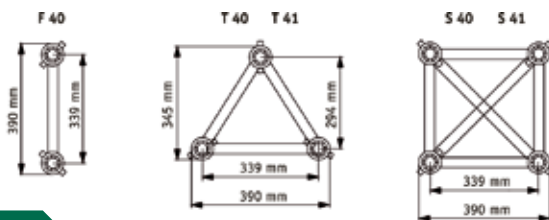
S 20



F 30 / 31 / FS 32

T 30 / 31 / FS 33

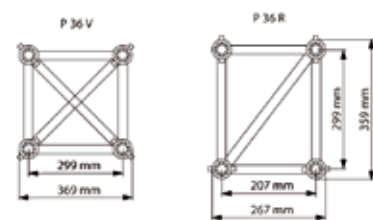
S 30 / 31 / FS 34



F 40 / 41

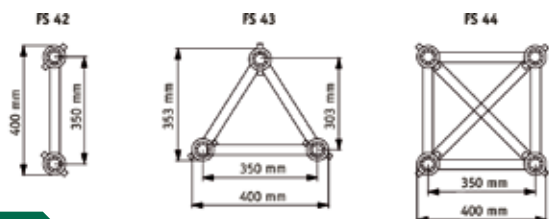
T 40 / 41

S 40 / 41



P 36 V

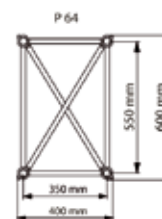
P 36 R



FS 42

FS 43

FS 44



P 64

Tools and accessories:

The use of truss circles has increased dramatically in the last few years. Where at first these were mainly used as a complete element, these days more and more combinations are being used: complete circles, parts of circles, combinations of different shapes etc. (you will find some examples in our portfolio section of our website www.interal.nl).

In the case of truss circles, it once more applies that technical limitations should not come in the way of the creative process. Our CAD-design department is more than willing to join your efforts to find a solution.

We deliver all kinds of clamps and connection pieces to attach circles/parts in a proper manner. We furthermore have the ability to attach a full circle to straight 'feet': For triangular trusses we have the Magic Foot (for instance 601030). For square trusses we have the Boxcorner (for instance 603100). A combination between triangular and square can be made using Boxcorners and the Boxcorner CombiClamp (603201). You will find an extensive survey of our accessories on our website www.interal.nl



description
magic foot



description
magic foot + circle



description
boxcorner

Loading figures of circles:

The weight that can be loaded onto a circle depends on many aspects:

- the type of circle (flat, triangular, square) and its dimensions (see our survey in this brochure)
- static or dynamic use of the material
- the number of suspension or support points that have been created
- the total loading of the weight that has been hung onto the circle
- the distribution of the loaded weight over the complete circle

Interal T.C. is in the process of developing a tool which will enable you to make a global calculation yourself. You will be able to find more information about this on our website shortly. We can also determine, in mutual cooperation, the maximum loading capacity of a particular circle or construction. Please contact Inter al T.C. for more information about this.

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