

REFERENCES

Kersten has manufactured curved components for beautiful landmarks around the world, including the eye catching Middle East references listed below.



OPUS DUBAI

3D bending aluminium and steel profiles for 3D curved void.

BURJ KHALIFA - DUBAI

Bending stainless steel tube CHS 273 x 3 mm for exterior facade. Total length: 11km.

THE TORCH - QATAR

Bending steel tubes CHS 273mm and CHS 193.7mm for main construction.



WASL DOME - DUBAI

Bending various sizes of steel and aluminium pipes.



REFERENCES:

- Burj Khalifa Dubai
- Burj Al Arab Dubai
- Museum of the Future Dubai
- Al Wasl Dome EXPO 2020 Dubai
- Mobility pavilion EXPO 2020 Dubai
- Sustainability pavilion EXPO 2020 Dubai
- Sheybarah Island, Red Sea Project KSA
- Riyadh Metro Station Riyadh
- Al Nasr Stadium Dubai
- Dubai Opera House
- Opus Dubai
- Dubai festival City mall Salsa 2&3

BENDING CAPACITIES

The values used in this survey are indications, assuming the material has a yield of 270 N/mm²

Profile			Dimensions	Min. Radius ins. Mm	Profile			Dimensions	Min. Radius ins. Mm
Channel x-x axis		Min Max	30 400	200 4000	1/2 Column HEM (web outside)		Min Max	100 1000	200 6000
Channel Toe out		Min Max	30 400	100 500	Angle toe in		Min Max	20x20x3 200x200x20	100 1000
Channel Toe in		Min Max	30 400	100 500	Angle toe out		Min Max	20x20x3 200x200x20	150 950
Beam INP x-x axis		Min Max	80 600	300 7500	Angle as inverted Vee		Min Max	20x20x3 200x200x20	100 1000
Beam INP y-y axis		Min Max	80 600	150 750	Angle as Vee pulleys		Min Max	20x20x3 200x200x20	150 950
Beam IPE x-x axis		Min Max	80 600	350 7500	Angle long leg in		Min Max	30x20x3 200x150x10	150 1000
Beam IPE y-y axis		Min Max	80 600	150 750	Angle long leg out		Min Max	30x20x3 200x150x10	150 800
1/2 Beam (web inside)		Min Max	80 600	150 2000	Angle short leg in		Min Max	30x20x3 200x150x10	100 600
1/2 Beam (web outside)		Min Max	80 600	150 2000	Angle short leg out		Min Max	30x20x3 200x150x10	150 600
Column HEA x-x axis		Min Max	100 650	500 15000	Tee stalk in		Min Max	20x20x3 140x140x15	150 750
Column HEA y-y axis		Min Max	100 1000	450 1500	Tee stalk out		Min Max	20x20x3 140x140x15	150 700
Column HEB x-x axis		Min Max	100 600	550 15000	Tee stalk up		Min Max	20x20x3 140x140x15	150 750
Column HEB y-y axis		Min Max	100 1000	400 1500	R.H.S. x-x axis		Min Max	20x10x1.5 450x250x10	200 15000
Column HEM x-x axis		Min Max	100 500	600 15000	R.H.S. y-y axis		Min Max	20x10x1.5 500x300x12.5	150 6000
Column HEM y-y axis		Min Max	100 1000	500 1500	S.H.S.		Min Max	15x15x2 400x400x16	200 15000
1/2 Column HEA (web inside)		Min Max	100 1000	200 13000	Tube		Min Max	48.3x2 508x25	200 3000
1/2 Column HEA (web outside)		Min Max	100 1000	200 9000	Flats on edge (as washer)		Min Max	12x3 400x30	150 2000
1/2 Column HEB (web inside)		Min Max	100 1000	200 8000	Flats on face (as bands)		Min Max	12x3 400x30	100 250
1/2 Column HEB (web outside)		Min Max	100 1000	200 6000	Solid square		Min Max	6 200	150 750
1/2 Column HEM (web inside)		Min Max	100 1000	200 7000	Solid round		Min Max	6 100	100 400

* Besides European standards we offer British, American, Russian and Japanese standards as well.

We are specialized in bending aluminium profiles, special aluminium extrusions and aluminium systems in every size, radius and orientation.

Visit www.kerstengroup.com for more information.



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KERSTEN
The future is curved



ABOUT KERSTEN

Kersten has been leading in bending technology for over 60 years and is an expert supplier of curved components and constructions in steel and aluminium. We are known to excel in quality and reliability. Every day we endeavour to create the extraordinary.

KERSTEN MIDDLE EAST

Our production facilities in the Netherlands, Germany, Poland and the United Arab Emirates are closely linked. We work together to increase our knowledge, expand opportunities and take consulting and service to a higher level. Our United Arab Emirates production plant delivers European quality and expertise to clients in the GCC-region.

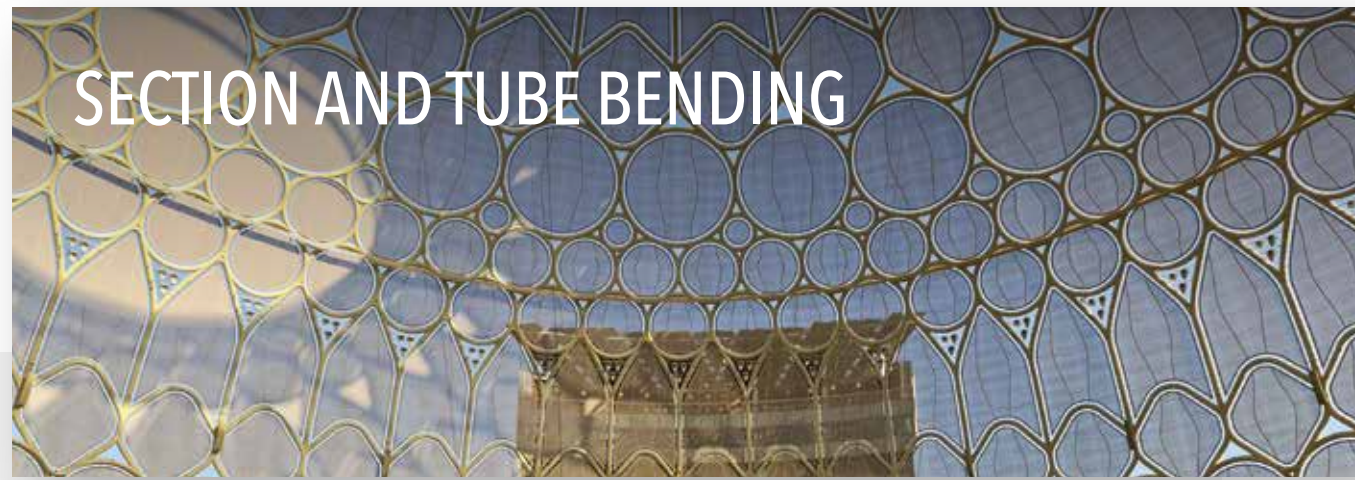
We turn imaginative ideas into smart solutions, and supply custom-made curved products all over the world.



INDUSTRIES

The client specific curved components and constructions are used for various applications and industries:

- Architecture
- Facades and cladding
- Industrial equipment
- Infrastructure
- Machinery
- Mobility
- Offshore
- Oil & Gas
- Storage tanks



SECTION AND TUBE BENDING

KERSTEN Middle East has an extensive range of modern bending machines, including one of the biggest bending machines in the GCC-region.



CURVED SECTIONS AND TUBES

We bend complete series of standard- and non-standard construction profiles, varying from the smallest profiles to- and including big heavy sections (1000 mm height) and pipes (508 mm dia).

Another specialty is the 3D bending of light and heavy steel and aluminium sections for e.g. Canopy and roof structures, staircases, rollercoasters, etc.



EUROPEAN QUALITY

We serve our clients with European quality bending work for skyscrapers, commercial buildings, bridges, canopies, sport stadiums, roller coasters, (3D bent) art objects, oil storage tanks, offshore components and petrochemical installations.

IN SHORT

- Cold bending of standard and customer specific sections in steel and aluminium.
- Hot (induction) bending of standard construction profiles and tubes.
- Specialized in bending profiles and tubes in multiple radii, 3D shapes and various directions and curves.
- European quality



ALUMINIUM EXTRUSION BENDING

Kersten bends standard and client-specific extruded profiles in single, multiple radii and also Multi-Dimensional (3D) direction.

We bend aluminium profiles for e.g. Facades, (sliding) Doors- Window Systems, Curtain Walls, Cladding, Machinery, Mobility and Tent Constructions.



ALUMINIUM BENDING

