

Model RFG for Hoesch Arched Roof

General Subject to modifications.

Item	Qty.	Description	Unit price	Total price
.....	..... m ²	<p>Safety equipment (as per ZH 1/166)</p> <p>Safety net as per DIN 32767 "Safety net and safety net accessories" and as per safety regulations "Safety nets" (ZH 1/560). Delivery and hooking of safety nets into suspension devices provided by others, attached to building members made from</p> <p><input type="checkbox"/> steel <input type="checkbox"/> concrete <input type="checkbox"/> timber</p> <p><input type="checkbox"/></p> <p>Installation height of the net m, kept in position during the building work and removed on completion. The floor of the building is readily accessible and suitable for lifts and mobile cherry pickers.</p>	€	€
.....	..... m ²	<p>Fall protection for roof apertures</p> <p>resistant to penetration by feet, non-slip, supplied and installed as directed by the site management.</p>	€	€
.....	..... m	<p>Stationary scaffolding as per DIN 4420</p> <p>designed as a guard and working scaffold. Min. board width 0.90 m, including lateral guards and anchoring on load-bearing supports</p> <p><input type="checkbox"/> even base</p> <p><input type="checkbox"/> base inclined by degrees</p> <p>erected, kept in position during the building work and dismantled on completion. The boards must comply with the "Principles for the inspection of boards used on guard and roof guard scaffolding" (ZH 1/585). The distance (difference in level) between the roof edge and the safety equipment must not exceed 2.00 m. For building dimensions, see "Preliminary technical remarks". Height of the scaffold supporting base above floor of the basement..... m.</p>	€	€
.....	.. OFF	<p>Stairways</p> <p>for accessing workplaces at a height of..... m, designed as</p> <p><input type="checkbox"/> stairway towers, effective width.....m</p> <p><input type="checkbox"/> projecting scaffold sections with ladder on the inside</p> <p><input type="checkbox"/></p> <p>erected, kept in position during the building work and removed on completion .</p>	€	€
.....	.. OFF	<p>Structural analysis, verifiable by an inspection engineer</p> <p>of the arched roof and its connection to the supporting structure provided by others, in three copies, preparation of the special structural analysis by ThyssenKrupp Hoesch Bausysteme GmbH. Flat rate:</p>	€	€
.....	...OFF	<p>Installation plans</p> <p>including BOMS, as per DIN 18807 part 3, in three copies. Flat rate:</p>	€	€

Model RFG for Hoesch Arched Roof Single sheet system Subject to modifications.

Item	Qty.	Description	Unit price	Total price
..... m ²	<p>Hoesch Arched Roof</p> <p>Made from trapezoidal steel profiles bent without creasing, with a free span ofm.</p> <p><u>Dimensions:</u> Span: approx. m Roof length: approx. m Radius: approx. m Rise: approx. m Building height (ridge): approx. m</p> <p>Building: <input type="checkbox"/> closed <input type="checkbox"/> open <input type="checkbox"/></p> <p>.....</p> <p><u>Loads:</u> Snow load : kN/m² Suspended loads : kN/m² : kN/m²</p> <p>Design of the Arched Roof</p> <p>Inner sheet</p> <p>Profile: <input type="checkbox"/> HP 41 B <input type="checkbox"/> HP 107 B</p> <p>Thickness: <input type="checkbox"/> 0.75 mm <input type="checkbox"/> 0.88 mm <input type="checkbox"/> 1.00 mm <input type="checkbox"/> mm</p> <p>Perforated by others for clamping plate connection.</p> <p><u>Corrosion protection:</u> both sides coil galvanized, zinc layer Z 275, with additional coil coating. Top side: <input type="checkbox"/> DU, similar to RAL 9002 corrosion protection class II as per DIN 55928 part 8 <input type="checkbox"/> SP, 25 my, RAL corrosion protection class III as per DIN 55928 part 8</p> <p>Reverse side: Protective lacquer RSL corrosion protection class II as per DIN 55928 part 8</p> <p>Vapour barrier: Longitudinal joints on the top provided with aluminium adhesive tape.</p> <p>Spacer design: Hat profiles 130 mm high, coil galvanized and provided with DU coating, spaced at approx. 1200 mm (acc. to structural analysis), thermal insulation made from mineral fibre, non combustible, semi-rigid, cut to suit the shape of the hat profiles. Self-adhesive sealing tape 5 x 50 provided between the hat profile and outer sheet to ensure thermal separation. Fastening to the inner sheet in accordance with the requirements of the structural analysis.</p>	€	€

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Item	Qty.	Description	Unit price	Total price
..... m ²	<p>Thermal insulation: Thickness d = mm, mineral fibre insulation type WZ-W as per DIN 18165, non combustible as per DIN 4102, building class A, thermal conductivity 040, fastened using self-adhesive fastening pins (2 OFF/m²)</p> <p>Connection of the inner sheet to the perforated supporting structure, provided by others, using galvanized special clamping plates and high-strength bolts for structural steels</p> <p>Outer sheet:</p> <p>Profile <input type="checkbox"/> HP 41 B <input type="checkbox"/> HP 107 B</p> <p>Thickness: <input type="checkbox"/> 0.75 mm <input type="checkbox"/> 0.88 mm <input type="checkbox"/> 1.00 mm <input type="checkbox"/> mm</p> <p>Corrosion protection: both sides coil galvanized, zinc layer Z 275, with additional coil coating</p> <p>Top surface: <input type="checkbox"/> SP, 25 my, RAL <input type="checkbox"/> PVDF, 25 my, RAL corrosion protection class III as per DIN 55928 part 8 <input type="checkbox"/> including protective film</p> <p>Underside: <input type="checkbox"/> Protective lacquer RSL corrosion protection class II as per DIN 55928 part 8</p> <p>Fastening to the hat profiles as per structural analysis using officially approved stainless steel fasteners. <input type="checkbox"/> Structural analysis and installation plan, see item <input type="checkbox"/> Including structural analysis verifiable by an inspection engineer and installation plan with BOMs, in 3 copies. Invoicing will be based on the bent surface. Delivery and installation on the supporting structure by others, including provision of the necessary fasteners.</p>	€	€
..... m	<p>Special barge board profile</p> <p>Same material as arched roof outer sheet, bent design (edge rollover procedure), sheet thickness: 0.75 mm</p> <p>Projection width <input type="checkbox"/> 100 mm <input type="checkbox"/> 200 mm <input type="checkbox"/> 300 mm</p>	€	€

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Item	Qty.	Description	Unit price	Total price
		including fastening angles and the necessary fasteners, delivered and installed.		
..... m	Eaves consisting of <ul style="list-style-type: none"> • eaves profile, 0.75 mm thick, 4 folds • connecting angle 0.88 mm thick, 1 fold • profile fillers below the outer sheet • profile fillers below the inner sheet • filling with mineral fibre insulating material delivered and installed	€	€

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Item	Qty.	Description	Unit price	Total price
..... m ²	<p>Free-span arched roof, single-sheet</p> <p>Hoesch Arched Roof made from trapezoidal steel profiles bent without creasing, free span ofm.</p> <p>Dimensions:</p> <p>Span: approx. m</p> <p>Roof length: approx. m</p> <p>Radius: approx. m</p> <p>Rise: approx. m</p> <p>Building height (ridge): approx. m</p> <p>Building: <input type="checkbox"/> closed <input type="checkbox"/> open <input type="checkbox"/></p> <p>.....</p> <p><u>Loads:</u></p> <p>Snow load : kN/m²</p> <p>Suspended loads : kN/m²</p> <p>..... : kN/m²</p> <p>Load-bearing/cover sheet:</p> <p>Thickness:</p> <p><input type="checkbox"/> 0.75 mm <input type="checkbox"/> 0.88 mm <input type="checkbox"/> 1.00 mm</p> <p><input type="checkbox"/> mm</p> <p>Profile</p> <p><input type="checkbox"/> HP 41 B <input type="checkbox"/> HP 107 B</p> <p>Perforated by others for clamping plate connection.</p> <p><u>Corrosion protection:</u></p> <p>both sides coil galvanized, zinc layer Z 275, with additional coating.</p> <p>Top surface:</p> <p><input type="checkbox"/> SP, 25 my, RAL corrosion protection class III as per DIN 55928 part 8</p> <p><input type="checkbox"/> PVDF, 25 my, RAL corrosion protection class III as per DIN 55928 part 8</p> <p><input type="checkbox"/> including protective film</p> <p>Underside:</p> <p><input type="checkbox"/> Protective lacquer RSL SP, 25 my, RAL</p> <p>Connection to the perforated supporting structure provided by others, using galvanized and coated special clamping plates and high-strength bolts for structural steels</p> <ul style="list-style-type: none"> • Structural analysis and installation plan, see item • Including structural analysis verifiable by an inspection engineer and installation plan with BOMs, in 3 copies. Settlement will be based on the bent surface. Delivery and installation on the supporting structure provided by others, including provision of the necessary fasteners. 	€	€

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Item	Qty.	Description	Unit price	Total price
..... m	<p>Special barge board profile</p> <p>Same material as arched roof outer sheet, bent design (edge rollover procedure), sheet thickness: 0.75 mm</p> <p>Projection width</p> <ul style="list-style-type: none"> <input type="checkbox"/> 100 mm <input type="checkbox"/> 200 mm <p>including the necessary fasteners, delivered and installed.</p>	€	€
.....	..... m	<p>Eaves</p> <p>consisting of</p> <ul style="list-style-type: none"> • eaves edge profile, 0,75 mm thick, 4 folds <p>including the necessary fasteners, delivered and installed..</p>	€	€
.....	..... m	<p>Bracket mounted gutter</p> <ul style="list-style-type: none"> • semi-circular section, made from titanium zinc. Nominal size, as per DIN 18460 and DIN 18461, including OFF head pieces, OFF connecting pieces, including the necessary galvanized gutter brackets and the necessary expansion pieces (as per VOB DIN 18339), <p>delivered and installed.</p>	€	€
.....	..... m	<p>Downpipes</p> <p>Circular section, nominal size,</p> <ul style="list-style-type: none"> <input type="checkbox"/> titanium zinc 0.70 <input type="checkbox"/> PVC <p>As per DIN 18460 / DIN 18461 / VOB DIN 18339 single length: m as far as the riser provided by others</p> <p>Including the galvanized pipe clamps with threaded connections.</p>	€	€
.....	.. OFF	<p>Pipe bends as additional items</p>	€	€

Model RFG for Hoesch Arched Roof

Roof apertures Subject to modifications.

Item	Qty.	Description	Unit price	Total price
		<p>Apertures in the Hoesch Arched Roof</p> <p>Important notes:</p> <ul style="list-style-type: none"> • a structural analyses is essential • maximum possible width of the aperture: 1.20 m at right angles to the beads of the arched roof sheets • should be provided in the ridge • spacing of apertures > 5.00 m 		
.....	..... m	<p>Edging and framing for the following roof apertures</p> <ul style="list-style-type: none"> <input type="checkbox"/> Domelights <input type="checkbox"/> Chimneys <input type="checkbox"/> <p>Size: m x m</p> <p>consisting of</p> <ul style="list-style-type: none"> • 2 OFF hat profiles as framing, each 5.00 m long • 2 OFF quarter timbers 80 x 130 mm, impregnated • circumferential edging profile, coil galvanized and coated, same colour as the underside of the roof <p>cutting on inner and outer sheet using appropriate cutting tools avoiding flying sparks.</p>	€	€
.....	.. OFF	<p>Curb</p> <p>Size: m x m</p> <p>Height:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 150 mm <input type="checkbox"/> 300 mm <p>double-sheet design with thermal insulation. Material: aluminium, welded with profiled flanges, adapted to match the outer sheet of the arched roof.</p> <p>Prepared for accommodating</p> <ul style="list-style-type: none"> <input type="checkbox"/> domelights make: <input type="checkbox"/> smoke extractors make: <input type="checkbox"/> fans make: <input type="checkbox"/> roof hatch make: <input type="checkbox"/> chimney <p>including folding up of deep beads, profile fillers made from closed-cell polyethylene, adapted to fit the arched sheet as well as 2 serrated sheets as protection and cover for the profile fillers, same coating as outer sheet, delivered and installed.</p>	€	€