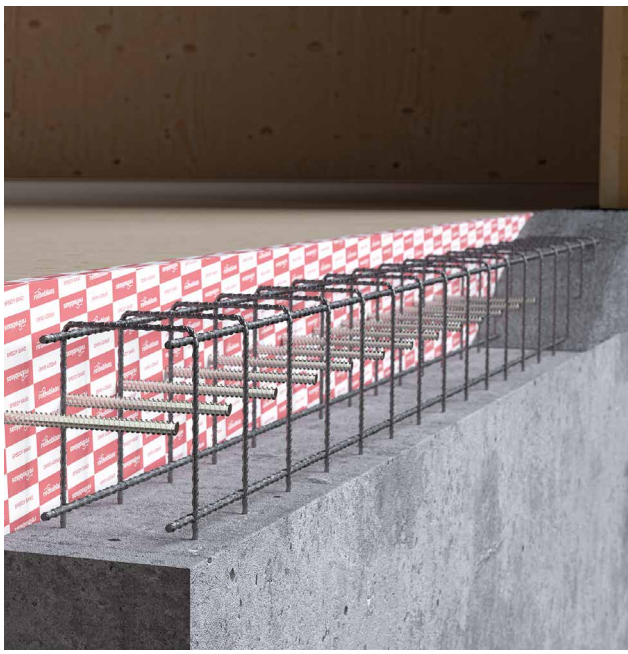
RTR

STRUCTURAL REINFORCEMENT SYSTEM

UKTA-0836 22/6195

ETA-11/0030



CERTIFICATION FOR TIMBER AND CONCRETE

Structural connector approved for timber applications according to ETA-11/0030 and for timber-concrete applications according to ETA-22/0806.

RAPID DRY SYSTEM

Available in diameters 0.63 and 0.79 inch, it is used to reinforce and connect large elements. The timber thread allows application without the need for resins or adhesives.

STRUCTURAL REINFORCEMENT

The high-performance tensile steel ($f_{y,k}$ = 640 N/mm²) - ETA-11/0030 and the large dimensions available make RTR ideal for structural reinforcement applications.

LARGE SPANS

The system, developed for applications on large span elements, allows fast and secure reinforcement and connections on any beam size due to the considerable length of the bars.
Ideal for factory installations.

VIDEO

DIAMETER [in]

0.63 **0.63** **0.79** 0.79

LENGTH [in]

86 5/8

EXPOSURE CONDITION

EC1 DRY

ATMOSPHERIC CORROSIVITY

C1 C2

WOOD CORROSIVITY

T1 T2

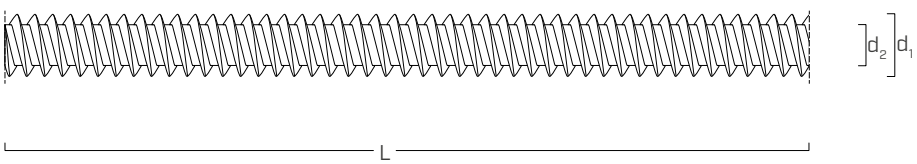
MATERIAL

Zn ELECTRO PLATED — electrogalvanized carbon steel

CODES AND DIMENSIONS

d_1 [mm] [in]	CODE	L [mm]	L [in]	pcs
16 **0.63**	**RTR162200**	2200	86 5/8	10
20 **0.79**	**RTR202200**	2200	86 5/8	5

GEOMETRY



Nominal diameter	d_1	**[in]**[1]	**0.63**	**0.79**
Outer thread diameter	d_1	[mm]	16	20
		[in]	**0.630**	**0.787**
Thread diameter	d_2	**[in]**	0.472	0.591
Pre-drilling hole diameter	d_V	**[in]**	1/2	5/8

[1]The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.

INSTALLATION SUGGESTIONS

For a better finish, it is recommended to drill a hole through BORMAX to accommodate the timber end cap.

Pre-drill the hole inside the timber element, ensuring that it is straight. The use of COLUMN ensures better accuracy.

Cut the RTR threaded rod to the desired length, ensuring that it is less than the depth of the pre-drilling.

Assemble the sleeve (ATCS007 or ATCS008) onto the adapter with safety clutch (DUVSKU). Alternatively, a simple adapter (ATCS2010) can be used.

Insert the sleeve into the threaded rod and the adapter into the screwdriver.
We recommend the use of the handle (DUD38SH) for more control and stability when screwing.

Screw up to the length defined in the design. We recommend limiting the insertion moment value to 150 ft-lbs (RTR Ø0.63 inch) and 220 ft-lbs (RTR Ø0.79 inch).

Unscrew the sleeve from the bar.

If provided, insert a TAP cap to conceal the threaded rod and ensure better aesthetic finish and fire strength.

RELATED PRODUCTS

VGS
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LEWIS
page 442

D 38 RLE
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COLUMN
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