UNIVERSAL

R-STUDS 8.8

THREADED ROD FOR USE WITH BONDED ANCHORS IN VARIOUS SUBSTRATES

Threaded rod made of high-strength steel grade 8.8. Due to its mechanical properties, this rod is used in fastenings subjected to high loads. The rod's surface is protected with a ZF flake zinc coating.



FEATURES AND BENEFITS

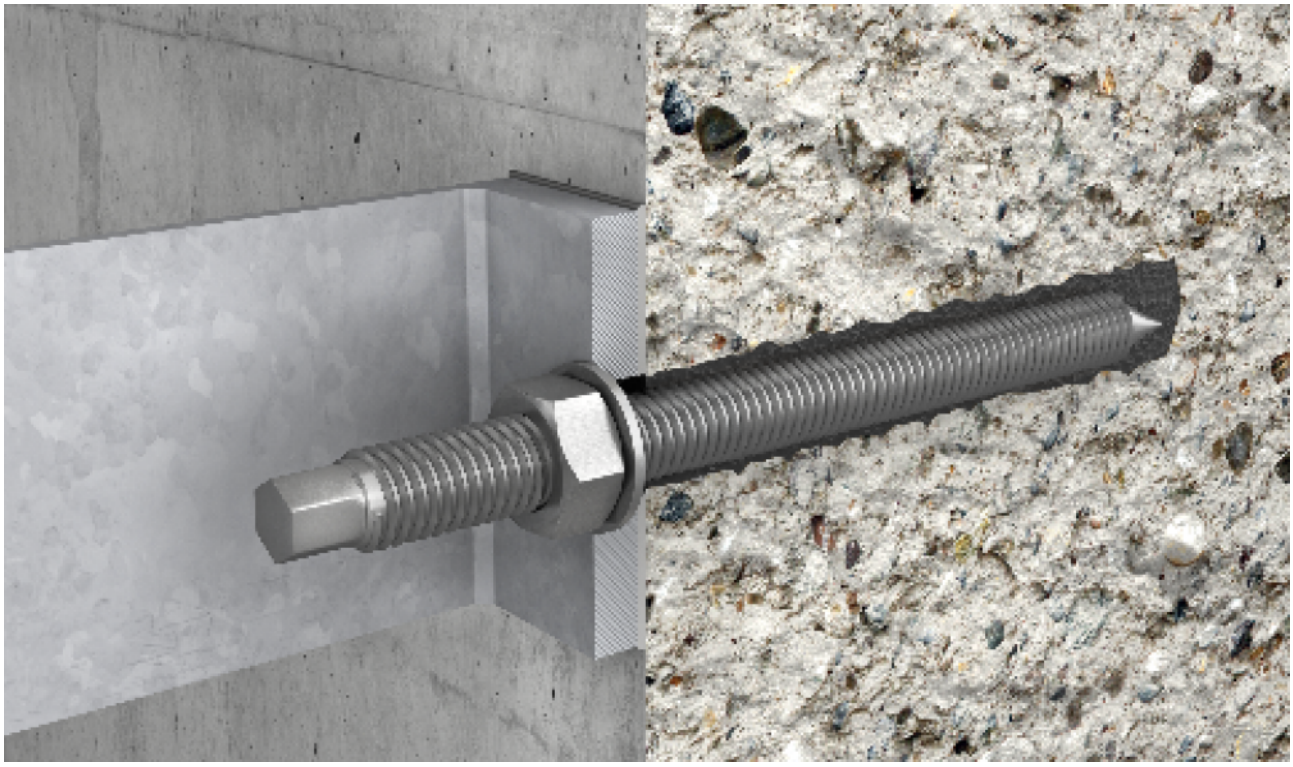
- Threaded rod made of carbon steel class 8.8 is suitable for outdoor use and in damp conditions.
- Can be post-installed through fixture in some cases. (Consult technical advisory service).
- Special zinc flake corrosion-resistant coating for anti-corrosion protection.
- Hexagonal head for convenient use with torque wrench.
- Flat head for quick manual installation without a setting tool.
- High quality workmanship.
- For use with all chemical anchors in the offer.

SUBSTRATES

- Cracked concrete
- Non-cracked concrete
- Clay block
- Aerated concrete
- Aerated concrete block
- Brick
- Hollow brick

R-STUDS 8.8

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APPLICATIONS

- Anchoring glued in with threaded rods
- Barriers
- Glass facades
- Pipelines
- Seats in public facilities
- Steel structures
- Tunnels

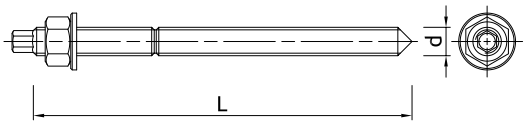




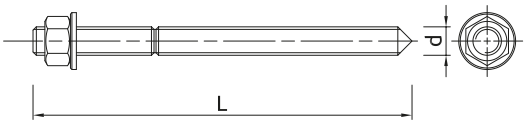
Poland
S7 Expressway

R-STUDS 8.8

THREADED ROD FOR USE WITH BONDED ANCHORS IN VARIOUS SUBSTRATES



R-STUDS



R-STUDS-FL

SKU	Metric rods		
	Diameter	Length	Rod end
	d	L	-
	mm	mm	-
R-STUDS-1220088ZFF	12	200	Flat

MECHANICAL PROPERTIES

Size			M8	M10	M12	M16	M20	M24	M30
Thread diameter	d	[mm]	8	10	12	16	20	24	30
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	800	800	800	800	800	800	800
Nominal yield strength	f_{yk}	[N/mm²]	640	640	640	640	640	640	640
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7	244,8	352,3	560,6
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6	540,2	932,8	1872,1
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	30	60	105	266	519	898	1799

DESIGN PERFORMANCE DATA

Size			M8	M10	M12	M16	M20	M24	M30
TENSION LOAD, STEEL FAILURE									
Characteristic resistance	$N_{Rk,s}$	[kN]	29	46	67	125	196	282	448
Partial safety factor[1)]	γ_{MS}	[-]	1,5	1,5	1,5	1,5	1,5	1,5	1,5
SHEAR LOAD, STEEL FAILURE									
Characteristic resistance without lever arm	$V_{Rk,s}$	[kN]	14,6	23,2	33,7	62,7	97,9	140,9	224,2
Partial safety factor[1)]	γ_{MS}	[-]	1,25	1,25	1,25	1,25	1,25	1,25	1,25

[1)] In the absence of other national regulation.

LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack		Single Package - Gross Weight	Bulk Package - Gross Weight		Barcode
R-STUDS-1220088ZFF	pcs.	10.0	10.0		0.0	0.0		5906675469652

R-STUDS 8.8

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RELATED PRODUCTS

SAFETY	Protective gloves for power tools **R-PGL** 			
DRILLING	Rotary Hammer Drill SDS plus; 850W; 26mm; 2.5J **R-PRH-26850** 	Cordless Hammer 18V SDS plus **R-PRH18** 	Drill bits Aggressor SDS plus **RT-SDSA** 	Drill bits Rebardrill SDS plus **RT-SDSR** 
CLEANING	Rigid extension R-BRUSH-TC for cleaning with SDS+ drive **R-BRUSH-EXT-H-SDS** 	Steel wire brushes for cleaning holes **R-BRUSH-TC** 	Blow Pump **R-BLOWPUMP** 	
ANCHORING	Cordless RawlWrench 18V 315 Nm, in a transport case **R-PID18-315** 	Hammer **RT-HAM-0500** 		