UNIVERSAL

R-STUDS A2

THREADED ROD FOR USE WITH BONDED ANCHORS IN VARIOUS SUBSTRATES

A threaded rod made of A2 stainless steel, intended for structural and assembly applications where both increased corrosion resistance and good mechanical strength are required.



FEATURES AND BENEFITS

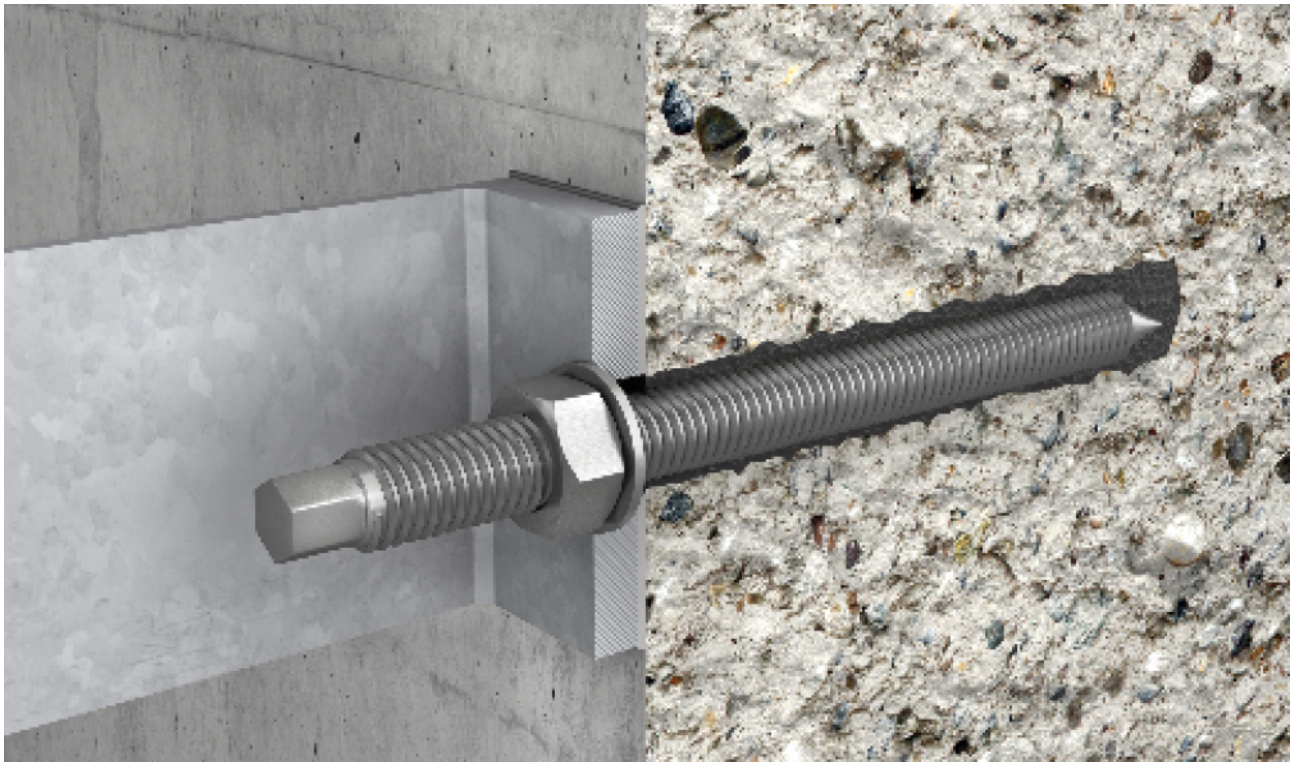
- Stainless steel anchor for the highest corrosion resistance.
- Hexagonal head for convenient use with torque wrench.
- Flat head for quick manual installation without a setting tool.
- Highest quality ensures maximum load capability.
- High quality workmanship.
- For use with all chemical anchors in the offer.

SUBSTRATES

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

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APPLICATIONS

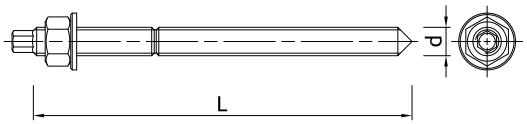
- Anchoring glued in with threaded rods
- Barriers
- Blinds and awnings
- Ceiling mounts
- Pipelines
- Steel structures
- Tunnels



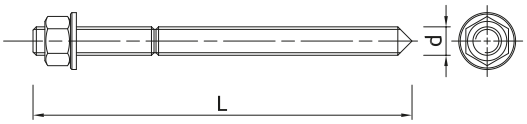


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R-STUDS



R-STUDS-FL

SKU	Metric rods		
	Diameter	Length	Rod end
	d	L	-
	mm	mm	-
R-STUDS-12200-A2FL	12	200	Flat
R-STUDS-12220-A2FL	12	220	Flat
R-STUDS-12330-A2FL	12	330	Flat
R-STUDS-12350-A2FL	12	350	Flat
R-STUDS-12380-A2FL	12	380	Flat
R-STUDS-12440-A2FL	12	440	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]	700	700	700	700	700	700	700
Nominal yield strength	f_{yk}	[N/mm²]	450	450	450	450	450	450	450
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]	26	52	92	233	454	786	1574

DESIGN PERFORMANCE DATA

Size			M8	M10	M12	M16	M20	M24	M30
TENSION LOAD, STEEL FAILURE									
Characteristic resistance	$N_{Rk,s}$	[kN]	25	40	59	109	171	247	392
Partial safety factor[1)]	γ_{MS}	[-]	1,87	1,87	1,87	1,87	1,87	1,87	1,87
SHEAR LOAD, STEEL FAILURE									
Characteristic resistance without lever arm	$V_{Rk,s}$	[kN]	12,8	20,3	29,5	54,8	85,7	123,3	196,2
Partial safety factor[1)]	γ_{MS}	[-]	1,56	1,56	1,56	1,56	1,56	1,56	1,56

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

LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack	Pallet	Single Package - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-STUDS-12200-A2FL	pcs.	10.0	10.0	4800.0	1.7	1.7	792.0	5906675262505
R-STUDS-12220-A2FL	pcs.	10.0	10.0	3200.0	1.7	1.7	540.2	5906675262512
R-STUDS-12330-A2FL	pcs.	10.0	10.0	1920.0	2.6	2.6	496.5	5906675262529
R-STUDS-12350-A2FL	pcs.	10.0	10.0	2880.0	2.7	2.7	780.8	5906675267395
R-STUDS-12380-A2FL	pcs.	10.0	10.0	1870.0	3.0	3.0	558.0	5906675262536
R-STUDS-12440-A2FL	pcs.	10.0	10.0	2250.0	3.4	3.4	754.7	5906675011486

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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** 		