



S.R.L.

via Eleonora Duse, 28  
00197 roma

Scheda tecnica

Barre auto perforanti **STANDARD**

Technical details

**STANDARD** Anchor rod

Tipo barra	R32			R38		R51		R76				R90		R114		
	4,5	5,6	7,2	7,1	8,2	7,1	9,4	6,3	8,0	10,0	12,5	8,0	10,0	8,0	10,0	
	STANDARD			STANDARD		STANDARD		STANDARD				STANDARD		STANDARD		
CODICE / CODE / KODEX	RR03204S	RR03206S	RR03207S	RR03807S	RR03808S	RR05107S	RR05109S	RR07606S	RR07608S	RR07610S	RR07612S	RR09008S	RR09010S	RR11408S	RR11410S	
Rottura barra Ultimate load rod Bruchlast Stange	kN	250	300	400	440	600	620	800	850	1100	1300	1600	1250	1550	1650	2050
Snervamento $f_{y0,2}$ barra Yield point $f_{y0,2}$ rod Streckgrenze $f_{y0,2}$ Stange	kN	210	240	320	360	450	500	630	680	850	1050	1300	1000	1250	1350	1650
Allungamento Agt Dehnung Agt	%	> 10	> 17	> 17	> 22	> 17	> 22	> 17	> 22				> 22		> 22	
Tipologia acciaio Steel quality Stahlqualität		28Mn6	28Mn6	28Mn6	S355	28Mn6	S355	28Mn6	S355				S355		S355	
Tipo filetto Thread type Gewindetyp		R 32 Left hand thread			R 38 Left hand thread		R 51 Left hand thread		Right hand thread				Right hand thread		Right hand thread	
n° barre / pacco n° rods / bundle Anzahl Stangen / Bündel	N°	50			50		50		24				19		19	
Lunghezze disponibili Available lengths Verfügbare Längen	mt	1, 2, 3, 4, 6 Mt. (other length on request)														
Rottura R Tensile strength R Zugfestigkeit R	MPa	> 630	> 630	> 630	> 510	> 630	> 510	> 630	> 510				> 510		> 510	
Snervamento $R_{eh}$ Yield strength $R_{eh}$ Streckgrenze $R_{eh}$	MPa	> 345	> 345	> 345	> 355	> 345	> 355	> 345	> 355				> 355		> 355	
Allungamento Elongation Dehnung	%	> 10	> 17	> 17	> 22	> 17	> 22	> 17	> 22				> 22		> 22	
Diametro nominale Nominal diameter Nenndurchmesser	mm	32,0			38,0		51,0		76,1				88,9		114,3	
Dia esterno max Max external Dia (Excluding tolerance)	mm	31,2			37,9		50,4		75,9				88,5		113,9	
Dia interno min Min internal Dia (Excluding tolerance)	mm	18,8	17,0	14,0	21,0	18,5	37,0	32,0	64,0	60,0	56,0	51,0	71,2	67,1	96,1	92,0
Spessore nominale Nominal thickness Nennstärke	mm	4,5	5,6	7,2	7,1	8,2	7,1	9,4	6,3	8,0	10,0	12,5	8,0	10,0	8,0	10,0
Sezione media Average cross section Mittlere Querschnittsfläche	mm <sup>2</sup>	370	450	530	680	750	950	1150	1300	1690	2050	2500	1950	2400	2550	3180
Peso Weight Gewicht	kg/ml	2,92	3,57	4,25	5,50	6,00	7,43	9,38	11,55	13,95	16,65	19,60	16,00	19,50	21,00	25,80

R32/R38/R51 thread made according to international ISO standard - R76/R90/R114 thread made according to factory

Ends of all bars are lathed by 90° degree so as to ensure an optimal transmission of the percussive energy and bevelled by 45° to easy the spinning path

The values of the mechanical details descend from mechanical tests. The values of the geometrical details are calculated.

We reserve the right to modify the design, dimensions and weights of our products without prior notice.



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Barre auto perforanti **TERMIC**

Technical details

**TERMIC** Anchor rod

Tipo barra Rod Type Ankertyp		R32			R38			R51		R76			R90		R114	
		4,5	5,2	7,2	5,2	7,1	8,2	7,1	9,4	6,3	8,0	10	8,0	10	8,0	10
CODICE / CODE / KODEX		TERMIC			TERMIC			TERMIC		TERMIC			TERMIC		TERMIC	
RR03204T		RR03205T	RR03207T	RR03805T	RR03807T	RR03808T	RR05107T	RR05109T	RR07606T	RR07608T	RR07610T	RR09008T	RR09010T	RR11408T	RR11410T	
Rottura barra Ultimate load rod Bruchlast Stange	kN	380	450	580	580	700	820	1000	1200	1400	1800	2200	2100	2500	2800	3450
Snervamento $f_{y0,2}$ barra Yield point $f_{y0,2}$ rod Streckgrenze $f_{y0,2}$ Stange	kN	325	380	460	480	600	650	800	1000	1100	1400	1700	1600	2000	2100	2700
Allungamento Agt Elongation Agt Dehnung Agt	%	> 5,0			> 5,0			> 5,0		> 5,0			> 5,0		> 5,0	
Tipologia acciaio Steel quality Stahlqualität		28Mn6 Termic	S355 Termic	28Mn6 Termic	S355 Termic	S355 Termic	28Mn6 Termic	S355 Termic	28Mn6 Termic	S355 Termic	S355 Termic	S355 Termic	S355 Termic	S355 Termic	S355 Termic	S355 Termic
Tipo filetto Thread type Gewindetyp		R 32 Left hand thread			R 38 Left hand thread			R 51 Left hand thread		Right hand thread			Right hand thread		Right hand thread	
n° barre / pacco n° rods / bundle Anzahl Stangen / Bündel	N°	50			50			50		24			19		19	
Lunghezze disponibili Available lenghts Verfügbare Längen	mt	1, 2, 3, 4, 6 Mt. (other lenght on request)														
Rottura R Tensile strength R Zugfestigkeit R	MPa	> 1100			> 1100			> 1100		> 1100			> 1100		> 1100	
Snervamento $R_{th}$ Yield strength $R_{th}$ Streckgrenze $R_{th}$	MPa	> 900			> 900			> 900		> 900			> 900		> 900	
Allungamento Elongation Dehnung	%	> 5			> 5			> 5		> 5			> 5		> 5	
Diametro nominale Nominal diameter Nenndurchmesser	mm	32,0			38,0			51,0		76,0			90,0		114,0	
Dia esterno max Max external Dia (Excluding tolerance)	mm	31,2			37,9			49,9		75,9			88,5		113,9	
Dia interno min Min internal Dia (Excluding tolerance)	mm	18,8	17,9	14,0	25,0	21,0	18,5	37,0	32,0	64,0	60,0	56,0	71,2	67,1	96,1	92,0
Spessore nominale Nominal thickness Nennstärke	mm	4,5	5,2	7,2	5,2	7,1	8,2	7,1	9,4	6,3	8,0	10,0	8,0	10,0	8,0	10,0
Sezione media Average cross section Mittlere Querschnittsfläche	mm²	370	430	530	530	680	750	950	1150	1300	1690	2050	1950	2400	2550	3180
Peso Weight Gewicht	kg/mt	2,92	3,33	4,25	4,30	5,50	6,00	7,43	9,38	11,57	13,95	16,65	16,00	19,50	21,00	25,80

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