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Product sheet **AR20****noxifer**[®]**NOXIFER S.L.**Ctra de Sarral a Barberà, parcel·la 21
43424 - SARRAL (Tarragona) - España**EN 1090-1:2009+A1:2011****Structural steel components for fixing precast concrete columns****Declaration of performance number: 20-01****ESSENTIAL FEATURES**

Dimensional and geometrical tolerances	According to EN 1090 - 2
Sheet metal weldability (washer)	JR grade according to EN 10025-2
Corrugated bar weldability	S grade according to UNE 36068
Fracture toughness	27 J a -20° C, according to EN 1993-1-10
Reaction to fire	Classified material: Class A1
Cadmium emission	NO EMISSIONS
Radioactivity emission	NO EMISSIONS
Durability	NPD

STRUCTURAL FEATURES

Base material	S355 J2+N according to EN 10025-2
Corrugated bar	B500SD according to UNE 36068
Sizing	According to EN 1993-1
Type of execution	EXC3, according to EN 1090-2
Fire resistance	NPD (Outer element)
Fatigue resistance	NPD (Static loads)
Manufacturing	According to EN 1090-2,
Bearing capacity	



Associated threaded anchor	TN 20
Corrugated bars foot	2X ϕ 16/401mm ²
Maximum axial load (1)	96,3 KN
Maximum shear load (2)	31,26 KN
Equivalence (3)	ϕ 16/201mm ²
1) Maximum capacity defined by associated threaded anchor. Compression and tension according to Standard EC3 (EN1993-1-8: 2005)	
2) Maximum shear capacity governed by threaded anchor (joint situation with filling done) according to Standard EC3 (EN1993-1-8: 2005; 3.6.1 Tb 3.4)	
3) Direct relationship of capacities between column feet (= threaded anchors) and B-500S / SD rebar. Pre-sized.	

Sarral 30th of August 2022

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