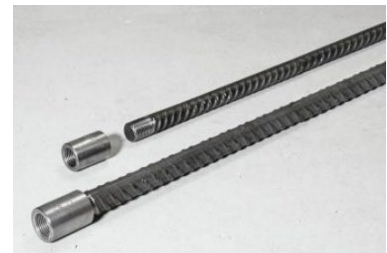


Declaration of Performance

Annex III of regulation (EU) Nr. 305/2011

MAX FRANK Coupler

No. G3B-Coupler-2022-V.01



1.	Unique identification code of the product type	MAX FRANK Coupler threaded connection
2.	Intended use/es:	The MAX FRANK Coupler is used as a mechanical, screwed system for connecting reinforcingbars in reinforced concrete components and for connecting to steel components under static orquasi-static, fatigue and low cycle loading.
3.	Manufacturer:	MAX FRANK GmbH & Co. KG Mitterweg 1, 94339 Leiblfing, Germany
4.	Authorised representative:	Not relevant (see 3.)
5.	System/s of AVCP:	System 1 +
6a.	Harmonised standard:	incorrect
6b.	European Assessment Document:	ETA-20/0387, DIBt from 04.09.2020 0432-CPR-00844-01, MPA NRW from 28.01.2022

7. Declared performance:

Essential characteristics	performance		
	B450C	B500B	B500C
Resistance to static or quasi-static loading $f_{u,min,bar,outside}$ [N/mm ²]	518	540	575
Slip under static or quasi-static load [mm] s_1	0,1	0,1	0,1
Slip after static or quasi-static load [mm] s_2	0,1	0,1	0,1
Fatigue strength for $N = 2 \cdot 10^6$ Load change	No performance determined (NPD)		
Fatigue strength for S-N curve with specific k_1 and k_2 according to EN 1992-1-1	NPD		
Fatigue strength for S-N curve with specific k_1 and k_2			
$\Delta\sigma_{Rsk}$ [N/mm ²]	NPD	78 ($\varnothing \leq 28$ mm) 68 ($\varnothing > 28$ mm)	78 ($\varnothing \leq 28$ mm) 68 ($\varnothing > 28$ mm)
k_1	NPD	3 ($\varnothing \leq 28$ mm) 2 ($\varnothing > 28$ mm)	3 ($\varnothing \leq 28$ mm) 2 ($\varnothing > 28$ mm)
k_2	NPD	5 ($\varnothing \leq 28$ mm) 3 ($\varnothing > 28$ mm)	5 ($\varnothing \leq 28$ mm) 3 ($\varnothing > 28$ mm)
Resistance to low-cycle loading			
u_{20} [mm]	0,3	NPD	NPD
$f_{u,min}$ [N/mm ²]	518	NPD	NPD
Reaction to fire	Class A1		

8. Appropriate Technical Documentation and/or Specific Technical Documentation: ---

The performance of the product identified above is in conformity with the set of declared performance/s.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by



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Dipl.-Ing. B.Sc. Moritz Michel
Head of Technology and Innovation

Leiblfing, 21.02.2022