

## Declaration of Performance

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

## MAX FRANK Coupler

No. G3B-Coupler-2022-V.02



1.	<b>Unique identification code of the product type</b>	<b>MAX FRANK Coupler threaded connection</b>
2.	<b>Intended use/es:</b>	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.	<b>Manufacturer:</b>	<b>MAX FRANK GmbH &amp; Co. KG</b> Mitterweg 1, 94339 Leiblfing, Germany
3.1	<b>Manufacturing plants:</b>	<b>MAX FRANK GmbH &amp; Co. KG</b> Mitterweg 1, 94339 Leiblfing, Germany <b>SIA BaltMetExport</b> Rencēnu iela 8, Rīga, LV-1073, Latvija
4.	<b>Authorised representative:</b>	Not relevant (see 3.)
5.	<b>System/s of AVCP:</b>	System 1 +
6a.	<b>Harmonised standard:</b>	incorrect
6b.	<b>European Assessment Document:</b>	ETA-20/0387, DIBt from 04.09.2020 0432-CPR-00844-01, MPA NRW from 28.01.2022

### MAX FRANK Group

Max Frank GmbH & Co. KG | Mitterweg 1 | 94339 Leiblfing | Germany | [info@maxfrank.com](mailto:info@maxfrank.com)


**7. Declared performance:**

Essential characteristics	performance		
	B450C	B500B	B500C
Resistance to static or quasi-static loading $f_{u,min,bar,outside}$ [N/mm <sup>2</sup> ]	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 <sup>2</sup> ]	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 <sup>2</sup> ]	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



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

Leiblfing, 31.10.2022