

PO Number: MFPL/2023-24-0/32
Test Report: No. 748300 v2

Customer: **MUNISH FORGE PVT LTD, Village Gobindgarh,, Adjoining Phase VII, Focal Point,, Ludhiana 141010,, Punjab, India**
Element Materials Technology (Sheffield) were asked by MUNISH FORGE PVT LTD to perform the analysis reported below:

Material Information

Description of Sample: DC1-EN74-1BM-D/F DOUBLE COUPLER
Material Specification: EN74-1:2022
Markings: EN74-1BM MFL L22B367261

Test Date: 04/04/2023

Class: Class B

Scaffolding Coupler Report

Tested in accordance with the relevant section of BS EN 74-1: 2022 as stated below:

Slipping Force Test ($F_{s,c}$), tested in accordance with Clause 7.2.1

Test No:	Units	Requirements	
1	kN	Min	Max
$\Delta 1$ Load at $\leq 7\text{mm}$	27.2	10	--
$\Delta 2$ Load at $1 \leq \Delta 2 \leq 2\text{mm}$	30	15	--

Test Status: Pass

Slipping Force Test ($F_{s,c}$), tested in accordance with Clause 7.2.1

Test No:	Units	Requirements	
2	kN	Min	Max
$\Delta 1$ Load at $\leq 7\text{mm}$	24.46	10	--
$\Delta 2$ Load at $1 \leq \Delta 2 \leq 2\text{mm}$	28.84	15	--

Test Status: Pass

Cruciform Bending Stiffness Test ($C_{\phi 1 \& 2, MB, C}$ & $M_{ult, c}$), tested in accordance with Clause 7.4.1

Test No:	Units	Requirements	
3		Min	Max
$C_{\phi 1, MB, C}$	33.22	15	--
$C_{\phi 2, MB, C}$	8.69	6	--
Mult, c	1.99	1.6	--

Test Status: Pass

Cruciform Bending Stiffness Test ($C_{\phi 1 \& 2, MB, C}$ & $M_{ult, c}$), tested in accordance with Clause 7.4.1

Test No:	Units	Requirements	
4		Min	Max
$C_{\phi 1, MB, C}$	31.91	15	--
$C_{\phi 2, MB, C}$	7.50	6	--
Mult, c	2.00	1.6	--

Test Status: Pass

Indentation Check (Δ_{10}), tested in accordance with clause 7.5

Test No:	Units	Requirements	
5	mm	Min	Max
Maximum Indentation	0.2	--	1.5

Test Status: Pass

This report only details quality control checks performed at Element Materials Technology Sheffield and does not mean that the above couplers have passed any section of EN74 or they can be supplied as an EN74 coupler, as all the relevant testing and analysis has not been fully completed in accordance with BS EN 74-1: 2022.
This report is issued to and replaces version 1. Reason for amendment - corrected sample markings.

End of Report

Issue Date: 08 August 2023

Authorised Signatory

Signature:  Name: Lee Mangham Position: Technical Manager

NB: All tests marked with a * are not on our UKAS schedule of accreditation

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