



OBAC

Ósrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

CERTIFICATE

qualifying the product to be marked with the safety marking

No. OBAC/0378/CB/21

(Prolongation of the OBAC/0400/CB/18 Certificate)
(Translation)

Name and address of the certificate holder: JLLC "Manuli Hydraulics Manufacturing Bel"
Lokomotivnaya street 2
211390 Orsha
Vitebsk Region
Republic of Belarus

Name and address of the manufacturer: JLLC "Manuli Hydraulics Manufacturing Bel"
Lokomotivnaya street 2
211390 Orsha
Vitebsk Region
Republic of Belarus

Name of product: High-pressure hydraulic hoses

Type (versions): ROCKMASTER/2SN

Technical parameters: Are given on page 2/2 of this certificate

Compliance with the Safety Requirements has been assured by conformity with:

- Product assessment procedure **PB-OBAC/07**. Hydraulic and pneumatic drive and control units, taking into account, including but not limited to, the provisions of the Act dated 9 June 2011 "Geological and mining law" (consolidated text: Journal of Laws of the Republic of Poland of 2021 item 1420) and the requirements established in the implementing regulations published to this Act and in particular the Regulation of the Minister of Energy dated 23 November 2016 on the detailed requirements related to maintaining operations in the underground mining facilities (Journal of Laws of the Republic of Poland 2017 item 1118 with change Journal of Laws of the Republic of Poland 2019 item 1880).
- PN-G-32010:2012

Confidential Product Assessment Report: OBAC/0378/RM/21

According to test report:

- Number LL/240/2021/A of 18.10.2021.

According to the documentation: listed on page 2/2

This certificate is valid from 21.12.2021 until 20.12.2024 and relates only to the product item(s) having properties (parameters) identical to those of the model(s) assessed and meeting the above stated requirements. By granting this Certificate the "OBAC" Institute for Research and Certification Ltd. of Gliwice takes no responsibility for any breach of exclusive and matter-related rights.

Gliwice, 09 November 2021



**Certification Body
Manager**

Piotr Tarnawski M.Com.



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1. Technical parameters:

Size			Working pressure [MPa]
DN	Dash	Inch	
6	-4	1/4	40,0
8	-5	5/16	35,0
10	-6	3/8	35,0
12	-8	1/2	35,0
16	-10	5/8	25,0
19	-12	3/4	21,5
25	-16	1	17,5



2. Documentation:

2.1. Catalogue Card of ROCKMASTER/2SN hydraulic hoses, developed by MANULI HYDRAULICS.

3. Conditions for using the product:

- 3.1. In case of change to the design or rubber-mix composition of the assessed hoses, verification testing shall be carried out in order to check static strength, pulsating pressure resistance, abrasion resistance of the affected hoses, together with the examination of the rubber mix within its flammability, electrostatic properties and products of thermal decomposition.
- 3.2. The ROCKMASTER/2SN high-pressure hydraulic hoses shall be used according to the technical parameters specified in its Certificate.

