



Type Approval Certificate

This is to certify that Certificate No. 07/00065(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

Alfagomma SpA
Via Torri Bianche, 1
20059 Vimercate (MI)
Italy

PLACES OF PRODUCTION

Alfagomma Hydraulic SpA
Via E. Mattei, 6
64020 Castelnuovo Vomano (TE)
Italy

Alfagomma Hydraulic SpA
Z. I. Piano Lago
87050 Figline Vegliaturo (CS)
Italy

Alfagomma Germany GmbH
Friedrich der Große 10
44628 Herne
Germany

Alfagomma Germany GmbH
Waidmannstrasse 12
22769 Hamburg
Germany

DESCRIPTION

High pressure, fire resistant flexible hose assemblies with an inner tube and cover of synthetic rubber, reinforced with braided and spiral high tensile steel wire.

TYPE

Alfagomma Flexor 1SN/1AT HF (Dunlop Hiflex 122 Greenline Plus);
Alfagomma Flexor 1SN/1AT Minetuff (Dunlop Hiflex 122 Greenline Plus Hi-Tuff);
Alfagomma Flexor 2SN/2AT HF (Dunlop Hiflex 222 Greenline Plus);
Alfagomma Flexor 2SN/2AT Minetuff (Dunlop Hiflex 222 Greenline Plus Hi-Tuff);
Alfagomma Flexor 4SH (Dunlop Hiflex 790L, 790G and Powertrack 790);
Alfagomma Flexor 13 (Dunlop Hiflex 713L, 713G and Powertrack 713);

Certificate No.

07/00065(E3)

Issue Date

28 February 2019

Expiry Date

17 September 2022

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Trieste Technical Support Office
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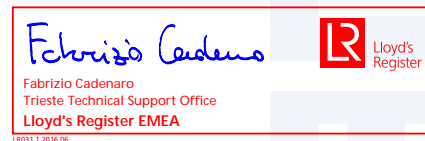
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Alfagomma Flexor 4SP (Dunlop Hiflex 730L, 730G and powertrack 730)
Alfagomma Flexopak 2 Minetuff (Dunlop Hiflex Super Slimline 241T,
241G Hi-Tuff)
Alfagomma Flexopak 2 Supertuff (Dunlop Hiflex Super Slimline 241X
Tuflex)
Dunlop Hiflex 3SPT & 3SPG;

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APPLICATION

Short joining lengths of flexible hose to accommodate relative movement in marine and offshore systems:

Fresh and sea water systems;
Fuel oil and lube oil systems in visible and accessible locations;
Hydraulic and pneumatic power and control systems;
Compressed air systems;
CO₂ systems, between bottles and master valves.

SPECIFIED STANDARDS

Lloyd's Register's Rules and Regulations for the Classification of Ships;
EN 853;
EN 856
SAE J517

RATINGS

Alfagomma Flexor 1SN/1AT HF (Dunlop Hiflex 122 Greenline Plus)

Alfagomma Flexor 1SN/1AT Minetuff (Dunlop Hiflex 122 Greenline Plus Hi-Tuff):

Nominal diameter (mm): 4.8 to 50.8
Max. working pressure (bar): 250 to 40
Temperature range (°C): -40 to 100

Alfagomma Flexor 2SN/2AT HF (Dunlop Hiflex 222 Greenline Plus)

Alfagomma Flexor 2SN/2AT Minetuff (Dunlop Hiflex 222 Greenline Plus Hi-Tuff):

Nominal diameter (mm): 4.8 to 50.8
Max. working pressure (bar): 420 to 90
Temperature range (°C): -40 to 100

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Alfagomma Flexor 4SH (Dunlop Hiflex 790L, 790G and Powertrack 790):

Nominal diameter (mm):	19.0 to 50.8
Max. working pressure (bar):	420 to 250
Temperature range (°C):	-40 to 100

Alfagomma Flexor 13 (Dunlop Hiflex 713L, 713G and Powertrack 713):

Nominal diameter (mm):	19.0 to 50.8
Max. working pressure (bar):	350 (380 Φ 1")
Temperature range (°C):	-40 to 121

Dunlop Hiflex 3SPT &3SPG:

Nominal diameter (mm):	9.5 to 31.8
Max. working pressure (bar):	500 to 240
Temperature range (°C):	-40 to 100

Alfagomma Flexopak 2 Minetuff (Dunlop Hiflex Super Slimline 241T, 241G Hi-Tuff)

Alfagomma Flexopak 2 Supertuff (Dunlop Hiflex Super Slimline 241X Tuflex):

Nominal diameter (mm):	6.3 to 50.8
Max. working pressure (bar):	420 to 100
Temperature range (°C):	-40 to 100

Alfagomma Flexor 4SP (Dunlop Hiflex 730L, 730G Powertrack 730):

Nominal diameter (mm):	6 to 25
Max. working pressure (bar):	450 to 320
Temperature range (°C):	-40 to 100

Refer to Alfagomma/Dunlop Hiflex data sheets for actual maximum working pressure for specific hose diameters.

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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 07/00065(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 07/00065(E2) to which this extension should be attached.

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