

NEWS RELEASE



THE YOKOHAMA RUBBER CO., LTD.
36-11, Shimbashi 5-chome, Minato-ku,
Tokyo 105-8685, Japan

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Contact:
Corporate Communications Dept.
Phone: 81-3-5400-4531
Fax: 81-3-5400-4570

Yokohama Rubber Supplements Lineup of “Exceed” High-Pressure Hoses for Global Market by Introducing New 42MPa Hose

Tokyo – The Yokohama Rubber Co., Ltd., announced today that it has further supplemented its lineup of “Exceed” brand high-pressure hoses sold on the global market for replacement hoses with the addition of a hose capable for use with pressures up to 42MPa (megapascals). The new 42MPa hose, launched in May, is available in five aperture diameters: 12mm, 15mm, 19mm, 25mm, and 50mm. The addition of the new series expands the Exceed product lineup to five series capable of handling a wide range of high-pressure specifications: 7MPa, 21MPa, 28MPa, 35MPa, and 42MPa.

The entire Exceed lineup is compliant with the ISO18752^{*1} international standard and is used mainly in high-pressure hydraulic equipment, especially construction equipment and industrial machinery. Since its launch in March 2009, the Exceed brand has been adopted by a growing number of users, especially in the United States, China, and Southeast Asia. **1: An international standard for textile- and wire-reinforced rubber hoses created primarily by members of the Japan Rubber Hose Manufacturers Association, including Yokohama Rubber, and implemented in 2006. Taking into account users’ selection of hoses based on working pressure and aperture diameter, the standard classifies hoses according to working pressure.*

The newly developed 42MPa Exceed hoses are compliant with the ISO18752 standard’s impulse-resistance grade types^{*2} CS and CC for 500,000 cycles and DC for one million cycles. With the development of the 42MPa hoses, Yokohama Rubber has succeeded in increasing the usable life span of hoses subjected to repeated pressurization (i.e., impact pressure performance, an important indicator of hose performance) while keeping the minimum bending radius at the same level as that for the existing 35MPa series. As a result, the new 42MPa hoses can be used with the same pipe configurations as previous series.

**2: Grade types*

Size	12mm	15mm	19mm	25mm	50mm
Grade type	DC	DC	CS	CS	CC

Expecting further expansion of global demand for replacement high-pressure hoses, Yokohama Rubber intends to aggressively develop and market its Exceed brand. Leveraging a marketing network comprising industrial product sales subsidiaries in the United States, China, Singapore and Germany, the Company plans to expand the Exceed product lineup based on the needs of users in each target market.



“Exceed” hoses with maximum working pressure of 42MPa