



## 462 EVO Hose

The allround hose for toughest applications



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# The New All-Rounder Hose

462 EVO hose with its low bending radius is suitable for a broad range of applications

Parker, the expert in developing, producing, and trading hose is continuously striving to improve and optimize its product ranges. For this, there are several processes in place such as **continuous improvement**. These are applied not only to products but also to production and quality insurance processes. In addition to that, Parker is constantly investing in state-of-the-art production equipment. Also, Parker has its own laboratory resources to be able to develop and test new product innovations and improvement **in-house**. These measures have been applied to

reinforce one of the main hose product ranges “462” - the all-round hydraulic hose from Parker Polymer Hose Division Europe. In many tests and over a long period of time the hose has been approved to be used with much **lower bending radius** and the same high working pressure. The specifications now exceed EN857 and ISO 112337 industry standards. The 462 Hose has been in the market a long time already and is well-positioned regarding its pressure performance and reliability. However, especially in industries such as construction equipment, material handling, or

industrial machinery, there is the growing demand for space savings and compactness. The lower bending radius answers to this demand. The 462 EVO allrounder Hose for Hydraulic Applications offers improved durability of the hose and reduces the necessity to stock many hose variants. Together with the 48 series Fittings it is one of the most durable and reliable hose in the market which exceeds the industry standards.



The 462 EVO hose was recently retested with a much lower bending radius and improved impulse performance.

Together with the matching 48 series hose fitting range, it builds a reliable hydraulic tube connection.



## New Approved Low Bending Radius

The 462 EVO hoses have been approved with a much lower bending radius

Part Number	Hose I.D.				Hose O.D. mm	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	weight kg
	DN	Inch	size	mm		MPa1	psi1	MPa2	psi2		
<b>EVO</b> 462-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	50	0.30
<b>EVO</b> 462-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	55	0.35
<b>EVO</b> 462-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	65	0.42
<b>EVO</b> 462-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	80	0.52
<b>EVO</b> 462-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	100	0.66
<b>EVO</b> 462-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	120	0.86
<b>EVO</b> 462-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	150	1.17

# How to Choose the Right Hose

Not only the bending radius is relevant for selecting the right hose for your application.

When it comes to selecting the appropriate hydraulic hose for an application many different factors play a role. These should be defined and taken into account at the beginning of the planning process in order to fit seamlessly into the further course of the project.

## 1) Hose service life

Temperature fluctuations, vibrations and movement under different working pressures can mean tough conditions for hose applications. An EN and ISO approved hose needs to withstand those challenges for maximum safety and reliability.

## 2) Bending radius and weight

Not only the trend towards electrification is demanding more and more compactness and weight reduction of hoses. A low bending radius means more flexibility with regards to installation situations.

## 3) Robustness and abrasion resistance

A high-quality hose cover is especially important when the hose is used in dynamic applications to ensure a high abrasion resistance and reliability. To not drive up costs unnecessarily it is helpful to have a choice of different covers to choose from for each application.

The 462 EVO hose with its renewed approvals is applicable in all kinds of hydraulic applications.

## 4) Available fittings

For a permanently secure and leak-free connection not only the hose but also the hose fittings are essential. Hose and fittings should be precisely matched and approved for joint use. Optimally, hose and fittings come from the same manufacturer.

## 5) Media compatibility

Not every hose's material composition is equally suitable for every application. Experts at the hose manufacturer can help to find the right compound for the requested media to ensure the correct selection for a reliable application.

## 6) Service and support

Sourcing a hose is also depended on the service and support level a



462 EVO hose is available in different cover versions "Standard", "Though" and "Super Tough".

manufacturer can offer. Global logistics networks offer more flexibility and extensive technical support ensures the optimum hose selection for each application. Manufacturer with resources and capacity in R&D allow to pass on technical improvement to their customers easily.



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