



# Hose Solutions

for Construction Equipment



ENGINEERING YOUR SUCCESS.

# Whatever application you may have, we have the right solution.

The best fluid connector products for your operation are the ones that get the job done right. We offer the most comprehensive line of hoses in rubber and thermoplast including braided, spiral and multipurpose plus more fitting sizes than any other manufacturer. And if there's something you need that's not a standard product, we're able to design and manufacture it for you with ease.

You'll also benefit from our ultimate competitive advantage and our network of distribution outlets that can provide our products nearly anytime and anywhere.

We strive to provide customers with local engineering, local products and local service.

Parker products have been designed, tested and approved to meet and exceed global standards.

The right product is available for your application, including that feature a variety of abrasion resistant cover choices, flexibility, a wide range of media compatibility and more, characteristics that make Parker the hose supplier of choice for customers that demand the most from their equipment.

## THAT'S WHY WE ARE THE RIGHT PARTNER FOR YOU

### World wide availability

With more than 56,000 employees serving our valued customers in almost 50 countries, Parker is literally everywhere you need us to be. By working with us, you have access to an integrated network of 290 manufacturing plants, as well as 15,500 distributors and MRO outlets and over 2,170 ParkerStores™. That's the kind of global network for global businesses demand.

### Flexibility

As the world's motion control expert, Parker offers you a complete range of proven, off-the-shelf products. These products deliver exceptional quality and durability, reducing costs and advancing performance.

### Innovation

It's what drives us. Our mandate for continuous improvement leads us to partner with our customers to create solutions that are smaller, lighter, sustainable, more energy efficient, and highly reliable.

### Own compounds production

Parker does not just manufactures hoses, but also the compounds needed for them. Our R&D team invests significant resources in the development of new and improved rubber, thermoplastic or hybrid compounds. The recipes are formulated according to the final application of the hose, guaranteeing the utmost performance of the inner tube and cover. An efficient technical center makes it possible to test and study the properties and behavior of different ingredients in order to identify and solve possible critical problems. All aspects of compounds development and production – from design to testing and to manufacturing – are constantly in compliance with main relevant international standards advancing performance.

# MOST DEMANDING CONSTRUCTION APPLICATIONS



**Excavator**



**Dumper**



**Drilling**



**Tunneling**



**Wheel Loader**



**Grader**



**Paver & Roller**



**Asphalt Milling**

# Application requirements and our special hose solutions

## SCR Hoses

- Heated hoses incl. fittings for optimal performance
- Designed and proven for tough off-road applications



## Suction and Return

- Full vacuum or suction use
- Strong construction
- Various end connections



## Oil and Engine Cooling

- Ease of installation – low bend force
- Very tight bending radii
- High temperatures
- Full flow, no kinks



## Pilot Lines

- Extremely flexible
- Push to connect available
- Easy hose routing
- Compact design



## Multispiral Connections

- High abrasion
- Tight bending radius
- Strong dynamic requirements



## Hose Protection and Spill Retention

- Protects against wear
- Spill retention
- Hose burst compensation



## Hydrostatic Drive

- High pressure up to 50.0 MPa
- Limited space
- Compact design



# The right hose for the right application

Hydraulic applications	GlobalCore hoses			Standard hoses			
	187TC/ST	387TC/ST 487TC/ST	722TC/ST 787TC/ST 797TC/ST	412 412ST	811	811S	R50TC R56TC
General hydraulics		×	×				
Multispiral connections			×				×
Hydrostatic drive			×				×
Pilot lines				×			
Suction and return	×				×	×	
High abrasion resistance	×	×	×	×			×
<b>Features</b>							
Standard cover				×	×	×	
Tough cover	×	×	×				×
Super tough cover	×	×	×	×			
Constant working pressure	×	×	×	×		×	×

## Additional hose products for hydraulic applications

Diesel engine	SCR assemblies
Suction & return line hoses	EZ-Form MP/GS



## Hose protection and spill retention

Protective sleeves	AS, PS,
Hose shields	HP-B
Armour Guards	SG, AG, HG, PG
Spill retention	DMS



# Hose overview

Hose	Fitting series	Working pressure (MPa) by size													Temp. °C	Construction	
		-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48			
187TC, 187ST	2piece 48													7.0	7.0	-40/+100	2 braids, wire
387TC, 387ST	43, 48, 77		21.0		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0				-40/+125	1/2 braids or 4 spiral wire*
487TC, 487ST	43, 48, 77		28.0		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0				-40/+125	1/2 braids or 4 spiral wire*
722TC, 722ST	43				28.0	28.0	28.0	28.0	28.0							-40/+125	4 spiral, wire
787TC, 787ST	43, 48, 77		35.0		35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0				-40/+125	2 braids or 4/6 spiral, wire*
797TC, 797ST	43, 48, 77		42.0		42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0				-40/+125	2 braids or 4/6 spiral, wire*
412, 412ST		12.0	12.0	12.0	12.0											-40/+100	1 braid, wire
R50TC, R56TC	V4, V5, V6		56.0		56.0	56.0	50.0	50.0	50.0	50.0						-40/+100	4/6 spiral, wire*
811	48, IF							2.1	1.7	1.4	1.0	0.7	0.4	0.4		-40/+100	2 spiral, fibre 1 helical wire
811S**	IF												1.0	1.0		-40/+100	2 spiral, fibre 1 helical wire

\* depending on size \*\* also available in size -56, -64, -80 and -96

## Hose Cover Options



**Standard Cover**



**ToughCover**

TC cover provides 80 times the abrasion resistance compared to Standard rubber cover hoses



**SuperTough Cover**

ST cover provides 450 times the abrasion resistance compared to Standard rubber cover hoses

**Parker offers many more hose types**

**which you can find in the following catalogues**

- Thermoplast Hoses for Hydraulic & Industry  
CAT 4460-UK
- Hydraulic Hoses, Fittings and Equipment  
CAT 4400-UK
- Industrial Hoses CAT 4401-UK

# We offer optimized hose solutions



## High pressure hydrostatic solutions

- Customized fitting solutions in monobloc or welded designs
- Premier hoses with best in class flexibility
- High system pressure, like hydrostatic drive applications
- Excellent abrasion resistance for a long life time in tough applications
- Superior resistance against environmental influences like UV, ozone or weathering

## SCR hose assemblies

- Customized SCR fluid conveyance lines
- Heated lines for DEF/AdBlue to connect the tank through the pump with the dosing unit
- Heated and non heated Polyamid and EPDM lines



## Customized solutions

- Preformed thermoplastic hose
- Manipulated steel pipes
- Hose-tube-assemblies





# Quality Services for a competitive Advantage

## Asset management system

Parker Tracking System (PTS) is an innovative component tagging and asset management solution. In addition to labeling components, users can document, replace, track, inspect, plan and analyse key equipment data with PTS. [www.parker.com/pts](http://www.parker.com/pts)



## Rapid services

For non standard and customized hose fittings with jump sizes, specific end configurations and drop lengths, fitting/tube combinations, customised prototypes and any batch size upwards from a single piece. Material options include steel, stainless steel, brass and special materials on request.



## ParkerStore

ParkerStores are a global network of independently-owned industrial retail operations with more than 3,200 service points over 90 countries. Whether it's through a brick- and-mortar location or from one of our mobile Hose Doctor operators, Parker is your best bet for on-the-job help.

## ParkerStore container service

The ParkerStore container is a transportable workshop, providing on-site maintenance and product support for large construction projects such as roadworks, tunnels, railways, underground systems, etc. Provides an on-site product and hose replacement service. With this service on your site, you can reduce your downtime keeping your project on time and on budget!



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### US Product Information Centre

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