



Hose Solutions

for Materials Handling



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 57,000 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 320 manufacturing plants, as well as 16,400 distributors and MRO outlets and over 2,115 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.



We offer optimized hose solutions

- Very compact with small outside diameter and tight bend radii as installation space is getting more and more confined
- Excellent abrasion resistance for a long life time in tough applications
- Superior resistance against environmental influences like UV and Ozone
- Specific hoses for cold environments
- Twin and multiple hoses to provide a compact solution e. g. with electrical cable guide

Beside hydraulic hoses Parker offers also hose solutions for alternative fuels such as LPG and CNG, as well as headed hoses for SCR to meet the latest emission regulations for diesel engines.



As customized products for OEMs, Parker offers also pre-formed high pressure thermoplastic hoses, pre-bended steel tubes and hose-steel-tube-combinations.

MOST DEMANDING MATERIAL HANDLING APPLICATIONS



Fork Lifts



Aerial lifts



Telehandler



Truck mounted crans

Application requirements and our special hose solutions



General Hydraulic in Chassis

- tight bend radius
- abrasion resistance
- preformed hose

Fork Lift Over-the-Sheave

- very small bend radius
- compact design
- abrasion resistance
- low temperature resistance
- twin and multiple hose
- suitable for pretension
- optimized change length under pressure



Extendable Booms (Telehandler / Truck Cranes)

- very small bend radius
- low weight
- twin and multiple hose incl. electrical cables
- abrasion resistance
- optimized change length under pressure

Arial / Scissor Lift Booms

very small bend radius

- low weight
- twin and multiple hose
- abrasion resistance
- optimized change length under pressure





Hose Reels

- very small bend radius
- compact design
- twin and multiple hose
- abrasion resistance

SCR Hoses

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

Hydrostatic Drive

- high pressure up to 50.0 MPa
- small bend radius
- compact design

Alternative Fuels

- LPG hose with ECE approval
- 5CNG hose with ECE approval

The right hose for the right application

Hydraulic applications	Thermoplastic hoses		Rubber hoses		Hybrid hoses (rubber inner tube and thermoplastic cover)
	53DM, 510D	590TJ, 594TJ	462*, 692*, 477*	797*, R50TC	462PU, 692PU, 477PU
General hydraulics	X	X	X		X
Fork lift over-the-sheave	X	X	X		X
Extendable booms (telehandler / truck cranes)		X	X		X
Aerial and scissor lifts boom	X	X	X		X
Hose reels	X	X	X		X
Hydrostatic drive				X	

Important: Most of these hose types are available as twin and multiple hoses * hoses are available with standard and TC cover

Additional hose products for hydraulic applications

Low temperature applications	53DM, 55LT, 461LT, 371LT
Suction & return line hoses	811, EZ-Form MP**
Electrical non conductive hoses, e.g. for aerial lifts	518D, 528N
Preformed hoses to combine hose flexibility & steel tube preshape	53DM, 510D, 590TJ
Bended steel tubes and hose-tube combinations	

** Extremely flexible and light weight for reduced installation time, eliminates special design, tooling and fabrication cost.

Hose solutions for non hydraulic applications

Alternative fuels	LPG	8LPG
	Natural gas CNG	5CNG, 8LPG
Diesel engine	NOx emission reduction	SCR assemblies
Lubrication	Hose for remote lubrication systems	HLB

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

Hose overview

Hose	Fitting series	Working pressure (MPa) by size														Temp. °C	Construction	
		-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48			
5CNG	CG		34.5	34.5		34.5	34.5		34.5	34.5							-40/+82	2+ braids fibre
8LPG	PX-LPG		3.0	3.0	3.0	3.0											-25/+100	1 braid, fibre
53DM*	56					20.7	20.7	20.7									-57/+100	1/2 braids, wire
55LT	56	21.0	22.5	21.0	17.5	15.5	14.0										-57/+100	2 braids, fibre
371LT	70					44.5	41.5	35.0	35.0	28.0							-50/+100	3 braids, wire
461LT	46, 48			42.5	40.0	35.0	31.0	28.0	28.0	21.0							-57/+100	2 braids, wire
462*	46, 48			42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2						-40/+100	2 braids, wire
462PU*	48			42.5	40.0	35.0	31.0	28.0									-50/+100	2 braids, wire
477*	48			45.0	42.5	40.0	38.0	35.0	35.0	25.0							-40/+100	2 braids, wire
477PU*	48							38.0									-40/+100	2 braids, wire
518D	56	17.5	22.5	20.7	17.5	15.5	15.5	10.5	8.5	7.0							-40/+100	1 braid, fibre
528N	56		34.5	34.5	31.0	27.5	24.0										-40/+100	1 braid, fibre
510D	56	21.0			17.5	15.8	15.8		8.8								-40/+100	1 braid, fibre
590TJ*	43, 48, 56			34.5		27.6	24.1		17.2	13.8							-40/+121	1 braid, wire / wire aramide fibre
594TJ*	43, 46, 48						28.0	28.0									-40/+100	1 braid, wire
692*	46			21.0	21.0	21.0	21.0	21.0									-40/+100	1/2 braids, wire
692PU*	46, 48			21.0	21.0	21.0	21.0	21.0									-40/+100	1/2 braids, wire
797	43, 48, 77			42.0		42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0			-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
HLB	CY	20.7															-40/+100	1 braid, fibre
R50TC	V4, V6							50.0	50.0	50.0	50.0						-40/+100	4/6 spiral, wire

* For most hoses of fork lifts the safety factor can be reduced to 3:1 according ISO 3691.
After application specific agreement with Parker the working pressure for these hose types can therefore be higher than mentioned in this table, e.g. 692-6 = working pressure up to max. 28.0 MPa.

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EMEA Product Information Centre

Free phone: 00 800 27 27 5374

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US Product Information Centre

Toll-free number: 1-800-27 27 537

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