

The right hose for the right application

Hydraulic applications	Thermoplastic hoses		Rubber hoses		Hybrid hoses (rubber inner tube and thermoplastic cover)
	53DM, 540N	590TJ, 594TJ	462*, 692*, 477*	797*, R50TC	462PU, 692PU, 477PU
General hydraulics	×	×	×		×
Fork lift over-the-sheave	×	×	×		×
Extendable booms (telehandler / truck cranes)		×	×		×
Aerial and scissor lifts boom	×	×	×		×
Hose reels	×	×	×		×
Hydrostatic drive				×	

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, SX35LT, SX42LT
Suction & return line hoses	811, EZ-Form MP**
Electrical non conductive hoses, e.g. for aerial lifts	518C, 528N
Preformed hoses to combine hose flexibility & steel tube preshape	53DM, 540N, 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	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
518C	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
540N*	56	21.0	21.0	19.0	17.5	15.5	14.0		8.5							-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			-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
SX35LT	73								35.0	35.0	35.0					-57/+100	4 spiral, wire
SX42LT	73, 77								42.0	42.0	42.0					-57/+100	4/6 spiral, wire

* For mast hoses of fork lifts the saftey 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.