

ACUTENSION™ flexible hydraulic hose assemblies - Faster, safer flow

ACUTENSION provides a vast array of hydraulic hose assemblies – ranging from 70 MPa to >300 MPa – from stock. Our hoses offer a broad range of hydraulic fitting configurations and hose lengths, to support any tooling installation arrangement.

ACUTENSION hydraulic hoses are manufactured using a high strength, spiralised steel-reinforced polymer, engineered specifically for ultra-high working pressure; all the while maintaining flexibility and ease of use. All hoses are additionally protected with a clear PVC cover for resistance against abrasion, corrosion and to provide additional operator protection.

All of our hoses are suitable for use in conjunction with ACUTENSION tensioning product and pumps.

ACUTENSION ensure standards are met:

Safety tested – All hoses are pressure tested prior dispatch, and supplied complete with a pressure test certificate.

Traceability – All hoses are assigned serial numbering and QR-code* for tracking and traceability.

Compliance – All hoses are CE marked and include standard warranty.

For added simplicity, ACUTENSION flexible hydraulic hoses are colour-coordinated to ensure correct pressure-rating compatibility:

BLACK – 100 MPa maximum working pressure

BLUE – 150 MPa maximum working pressure

RED – 250 MPa maximum working pressure



Designed to work with a variety of hydraulic media (including synthetic/bio hydraulic oils and potable water), hose assemblies from ACUTENSION are also supplied complete with CEJN quick connect male and female hydraulic couplers, to ensure a fast, non-drip, safety locking connection, regardless of hydraulic media pressure.

Hose specifications

Maximum working pressure (MPa)	Minimum burst pressure (MPa)	Bore (mm)	Hose outer diameter (mm)	Minimum bend radius (mm)	Temperature range (degC)	Quick connector series (CEJN)
100	260	6.4	13.4	80	-30 to 100	115
150	300	4.9	9.5	95	-10 to 70	116
250	625	4.8	12.9	175	-40 to 100	125
300	700	3.9	12	140	-40 to 100	135



Link Hoses

Link hoses comprise a simple, single-line feed, featuring a hydraulic quick connection at each end of the hose. Most commonly specified in M-F, ACUTENSION can also supply in F-F, M-M or even direct-engage (no connector) variants.

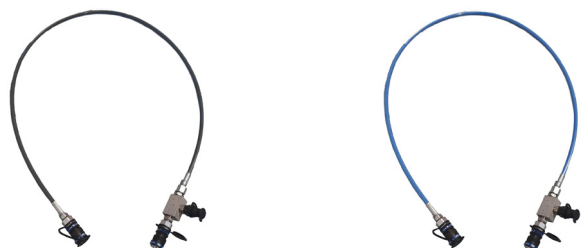


Part number syntax:		AxxxHA-LINK-yy-zz
xxx (max pressure)	yy (hose length)	zz (quick connect fittings option)
100	1	blank (nipple-coupling)
150	1.5	
250	2	MM (nipple-nipple)
300	3	
	5	FF (coupling-coupling)
	10	

Alternative hydraulic connections, pressures and lengths also available; please contact ACUTENSION for further information.

Interconnect Hoses

Interconnect hose assemblies comprise a link hose, but with an integral 3-way junction block at the tensioner end of the hose. These hoses are designed to interconnect several tensioners from the same hydraulic feed.



Part number syntax:		AxxxHA-INTC-yy-zz
xxx (max pressure)	yy (Hose length)	zz (quick connect fittings option)
100	1	blank (coupling to nipple-coupling)
150	1.5	
250	2	FFF (coupling to coupling-coupling)
300	3	
	5	etc.
	10	

If your preferred configuration is not listed above, ACUTENSION can provide any combination of required connection layout. Please contact us for further information.

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✉ sales@acutension.com

🌐 www.acutension.com

☎ +44 (0) 8450 944 4444

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📍 ACUTENSION LIMITED
Unit 9 Hortonwood 33,
Telford,
TF1 7EX,
UK

Acutension®

Registered in England and Wales;
company number 12068816

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