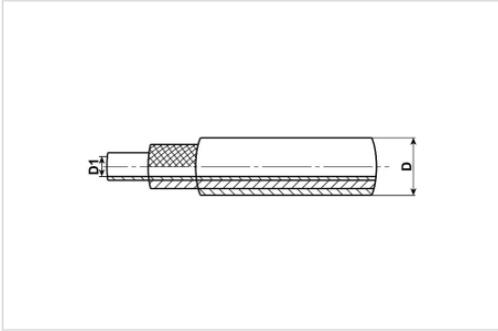
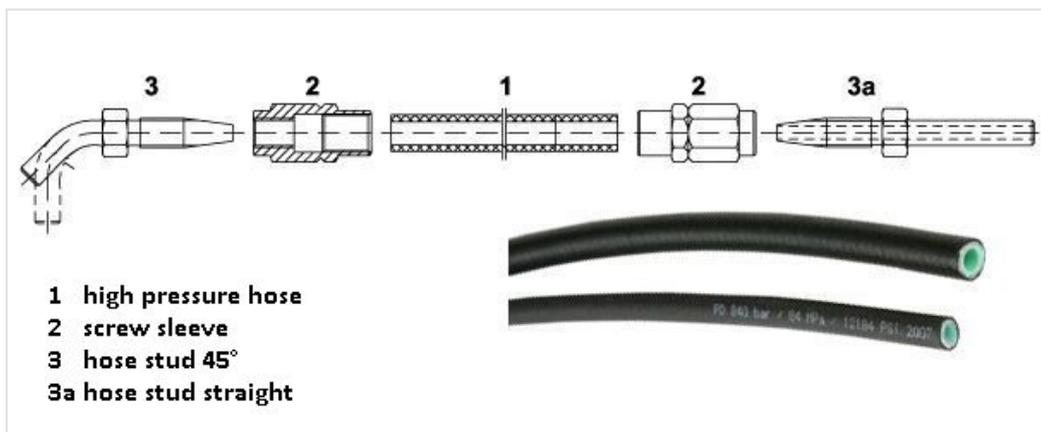




High-pressure hoses - 840 bar



Item No.	D	D1	Grease	m / coil	Box	Palett
100-001	8,6	4,0	NLGI class 2	50 m	250 m	3000 m
100-002	8,6	4,0	empty	50 m	250 m	3000 m
100-002-250	8,6	4,0	empty	250 m	250 m	3000 m
100-011	11,3	6,3	NLGI class 2	50 m	200 m	2000 m
100-012	11,3	6,3	empty	50 m	200 m	2000 m
100-011-1	11,3	6,3	NLGI class 2	100 m	200 m	2000 m
100-012-1	11,3	6,3	empty	100 m	200 m	2000 m



Technical Information

Fritsche 600-840 bar high-pressure hoses are suitable for grease and central lubrication systems of all conventional lubrication system manufacturers.

The structure of this type of high-pressure hose (600-840 bar) is such that an inner polyamide 6 (PA6) tube is encased and embedded in polyester mesh. The outer polyurethane coat is adhered onto the polyester mesh and the inner tube. Only this structure provides the required high compressive strength to our hose and ensures indispensable safety for assembly. Of course, the hose is also guaranteed to provide high flexibility.

For many physiological applications, separate requirements often apply, which must be checked case-specifically by the customer.

The responsibility for the implementation, mounting and use of high-pressure hoses is not the responsibility of Fritsche GmbH & Co.KG.

The warranty is limited to the specification of this technical data sheet.

Further warranties will not be accepted.

		100-001 / 100-002		100-011 / 100-012	
		Inner Tube	Casing	Innter tube	Casing
Material		Termopl. Polyamid 6	Termopl. Polyurethan	Termopl. Polyamid 6	Termopl. Polyurethan
Tear strength	DIN EN ISO 527	> 30N/mm ²	> 18N/mm ²	> 30N/mm ²	> 18N/mm ²
Elongation at break	DIN EN ISO 527	> 50%	> 380%	> 180%	> 380%
Hardness shore	DIN EN ISO 868	> D 60 +/- 3	> A 88 +/- 3	> D 60 +/- 3	> A 88 +/- 3
Permissable bending radius		20°C >20 mm		20°C > 45 mm	

Operating temperatur	-40°C bis 80°C for mediums to be pumped with "grease with corrosion protection additives": max. 70°C
Cracking pressure	DIN EN ISO 1402 pressurisation: 60s 20°C >840bar (84 MPa, 12184 psi), 60°C >460 bar,

Sizes and Tolerances

Item No.	100-001 / 100-002	100-011 / 100-012
Nominal size	4,0 x 8,6 mm d (internal & external)	6,3 x 11,3 mm
Inner diameter	3,90 - 4,10 mm	6,2 - 6,5 mm
External diameter	8,50 - 8,75 mm	11,1 - 11,5 mm
Wall thickness eccentricity	max. 0,40 mm	max. 0,35 mm

Colour

Inner tube	natural
Casing	black
Cable armour	white
Glue	green-transparent

Design / Packaging / Labeling

50 meter coil DN 4 (100-001 / 100-002) outer diameter approx. 520 mm, core diameter approx. 420 mm, loose in a box or pallet. Shorter lengths are marked separately. A share of up to 5% of the delivery quantity is permitted.

50 meter coil DN 6 (100-011 / 100-012) outer diameter approx. 480 mm, core diameter approx. 320 mm, loose in a box or pallet. Shorter lengths are marked separately. A share of up to 5% of the delivery quantity is permitted.

Download	
PDF - Download	Product - information for grease AF-2 NLGI 2
PDF - Download	Safety data sheet for grease AF-2 NLGI 2
PDF - Download	Technical datasheet for high pressure hose 100-001 / 100-011 filled
PDF - Download	Technical datasheet for high pressure hose 100-002 / 100-012 unfilled
PDF - Download	Assembling instruction high pressure hose

Our high-pressure hoses play a major role in all systems where maintenance is automated through application of a central lubrication unit. Of course, it is possible to use 600-840 bar high-pressure hoses for manual lubrication aids together with our nipple blocks.

A typical use of these types of hoses is as main lines in central lubrication units. Main lines are defined as the line path from the pump element of the piston pump to the first distribution unit, also referred to as manifold or main distributor.

However, the high-pressure hoses may also be used as secondary lines for the path between main distributor and the downstream secondary distributors, also referred to as sub-distributor.

Due to their excellent flexibility and their extremely hard-wearing surfaces, high-pressure hoses can be used for both manual lubrication and automated central lubrication systems.

For installation, the ends of the 600-840 bar high-pressure hoses are appropriately equipped with screw sleeves and tube studs and prepared for assembly. Apart from conventional box spanners, no other or special tools are required for assembly.

In our capacity as manufacturer, we are obliged to inform our customers that installation of high-pressure hoses and their connection elements must only be performed by appropriately trained qualified personnel.