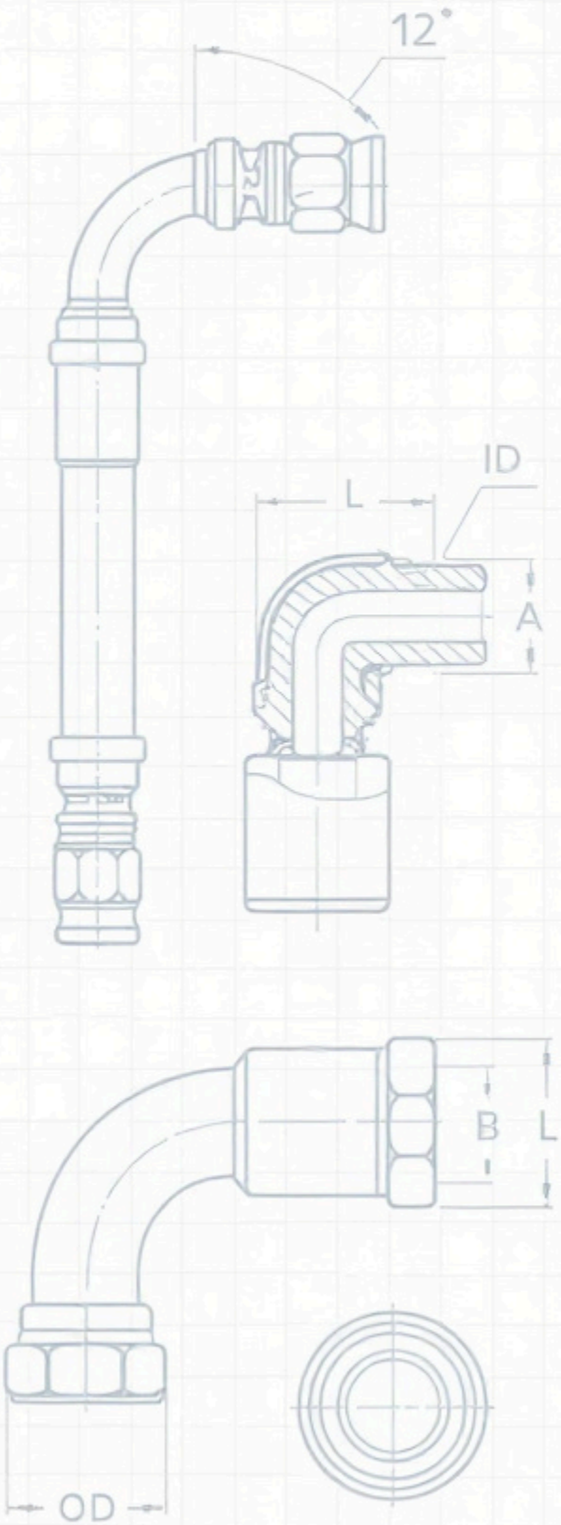
DRILLIA
HYDRAULIC HOSE

FOR BUILT EXTREME PERFORMANCE



HYDRAULIC HOSES

PROFESSIONAL SOLUTION

2025

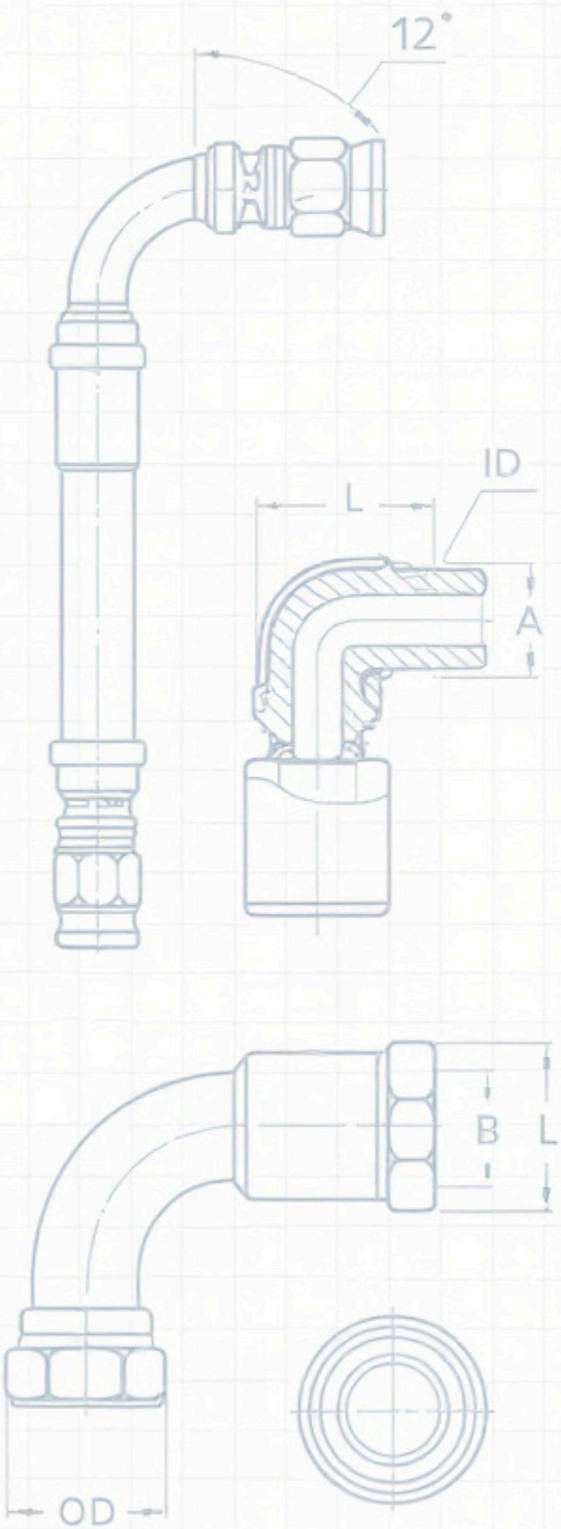
DRILLIA
HYDRAULIC HOSE

COMPANY PROFILE

GRACIAS INTERNATIONAL was founded in 2015, specialized in researching engineered rubber and manufacturing. Now we have one brands **DRILLIA** , our company has more than 100 sets of advanced production and testing equipment, standardized production, high quality testing, to maintain the advanced technology, stable product quality, to meet more requirements of customers.

Our products: steel wire reinforced cloth and smooth surface hydraulic hose. embossed marking hose, wire braided and wire winding hose etc. Thousands of specifications. The products have been test and confirmed by authorized organizations that our products have the following characteristics: oil, heat, high-pressure and deformation resistance, good flexibility and good impulse performance, small pressure deformation, easy to use and maintenance, so they are extensively used in many fields such as engineering machinery, mining, petrochemical processing. transportation and construction industry, etc.

Our company is managed by advanced regulation, at the same time, we continuously invest much more to innovate new - tech.Quality-oriented、excellence、scientific and technological innovation, customer first, looking forward to more new and old customer to visit our company, and give guidance to our job!

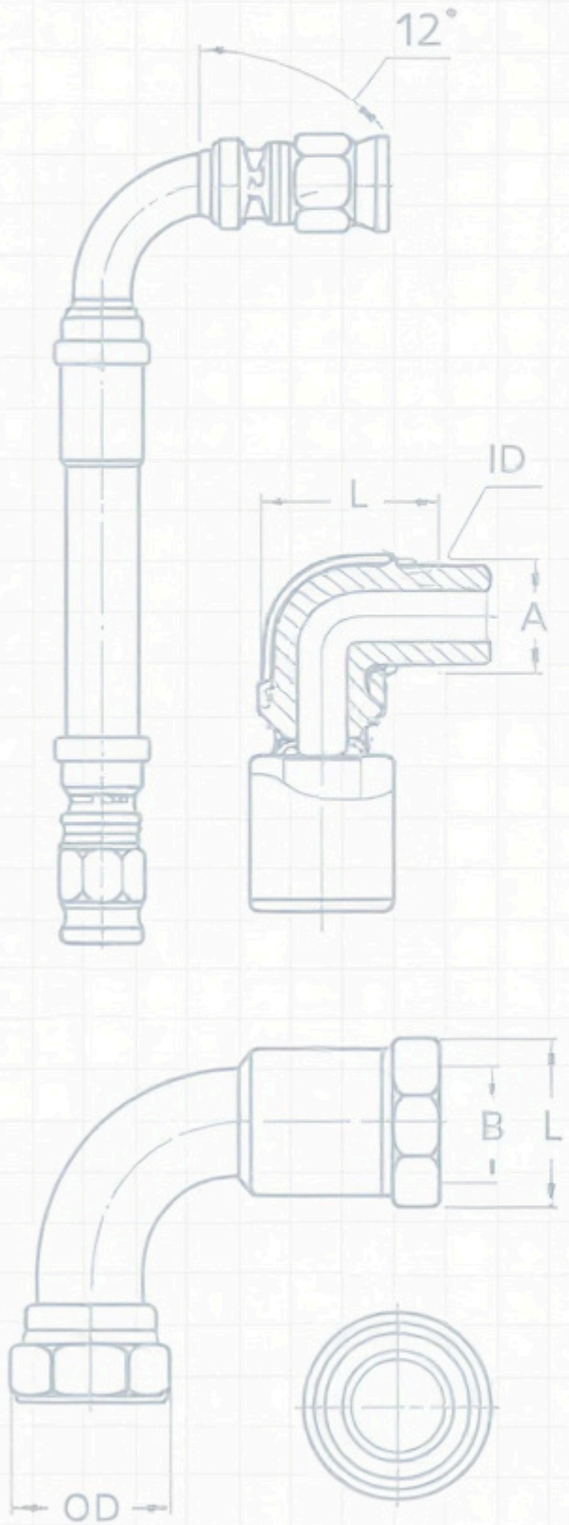


DRILLIA
HYDRAULIC HOSE

TECHNICAL SPECIFICATION

SAE 100 R1AT / DIN - EN853-1SN

SIZE / INCH	ID / MM	OD / MM	WEIGHT / KG / MTR	WP / BAR	BP / BAR	BR / MM	LENGTH
1/4"	6.4	13.5	0.25	225	900	100	100
5/16"	8	15	0.28	215	860	115	100
3/8"	9.7	17.5	0.35	180	720	125	100
1/2"	12.7	21	0.42	160	640	180	100
5/8"	16	23.5	0.48	130	600	200	100
3/4"	19	28	0.62	105	420	240	100
1"	25.4	35.5	0.91	90	360	300	100
1 - 1/4"	31.8	43	1.18	63	252	420	40
1 - 1/2"	38	51	1.4	50	200	500	40
2"	51	64	2	40	160	630	40
2 - 1/2"	63	76.5	2.55	40	200	760	20



Standard : SAE 100 R1AT / DIN 1SN Flame Resistant
Tube : Synthetic Nitrile Rubber with flame and abrasion resistance tube
Braiding : Steel One wire braided
Temperature : -40 Degrees C to +150 Degrees C
Application : Transmission of Hydraulic oils, Pressure pumps, Steam, Air etc
Finish : Wrap Finish

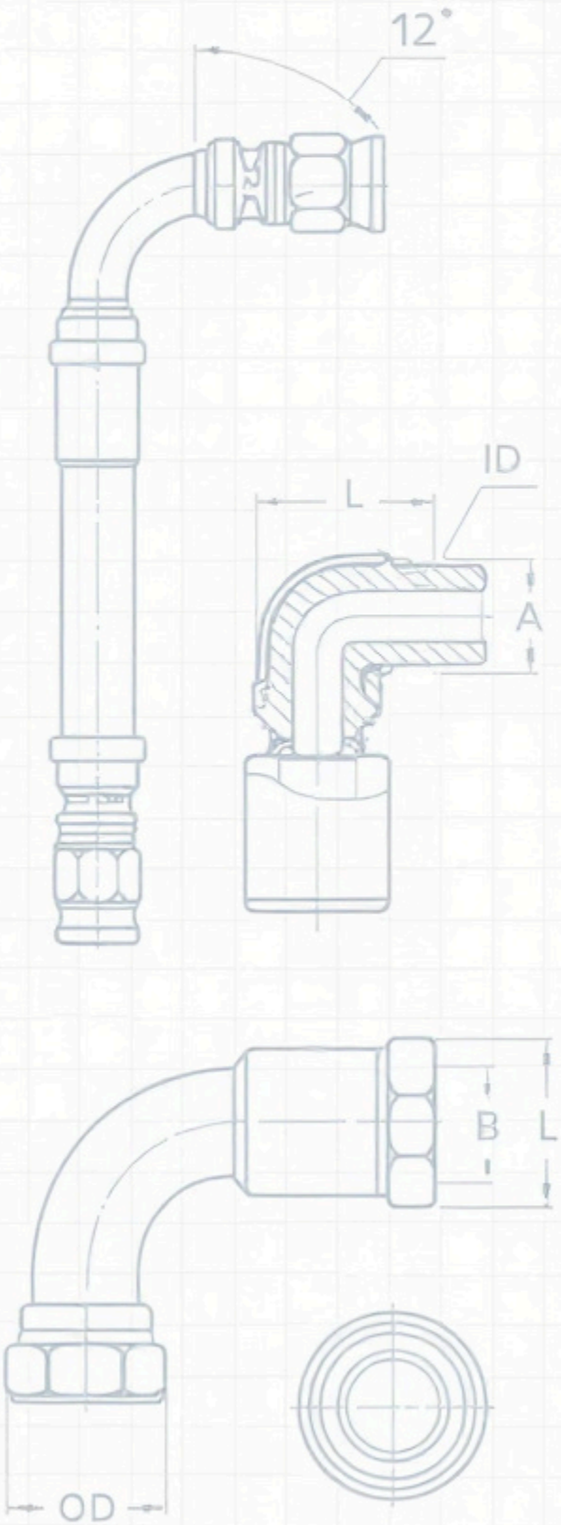
R1

DRILLIA
HYDRAULIC HOSE

TECHNICAL SPECIFICATION

SAE100 R2AT / DIN - EN853-2SN

SIZE / INCH	ID / MM	OD / MM	WEIGHT / KG / MTR	WP / BAR	BP / BAR	BR / MM	LENGTH
1/4''	6.4	15	0.38	400	1600	100	100
5/16''	8	16.5	0.37	350	1550	115	100
3/8''	9.7	19.5	0.52	330	1320	125	100
1/2''	12.7	22.2	0.66	300	1200	180	100
5/8''	16	25.5	0.8	250	1000	220	100
3/4''	19	29.6	0.95	215	860	240	100
1''	25.4	37.7	1.3	165	660	300	100
1 - 1/4''	31.8	47.7	1.96	125	500	420	40
1 - 1/2''	38	54	2.2	90	360	500	40
2''	51	68	2.95	80	320	630	40
2 - 1/2''	63	80	3.7	70	280	760	20

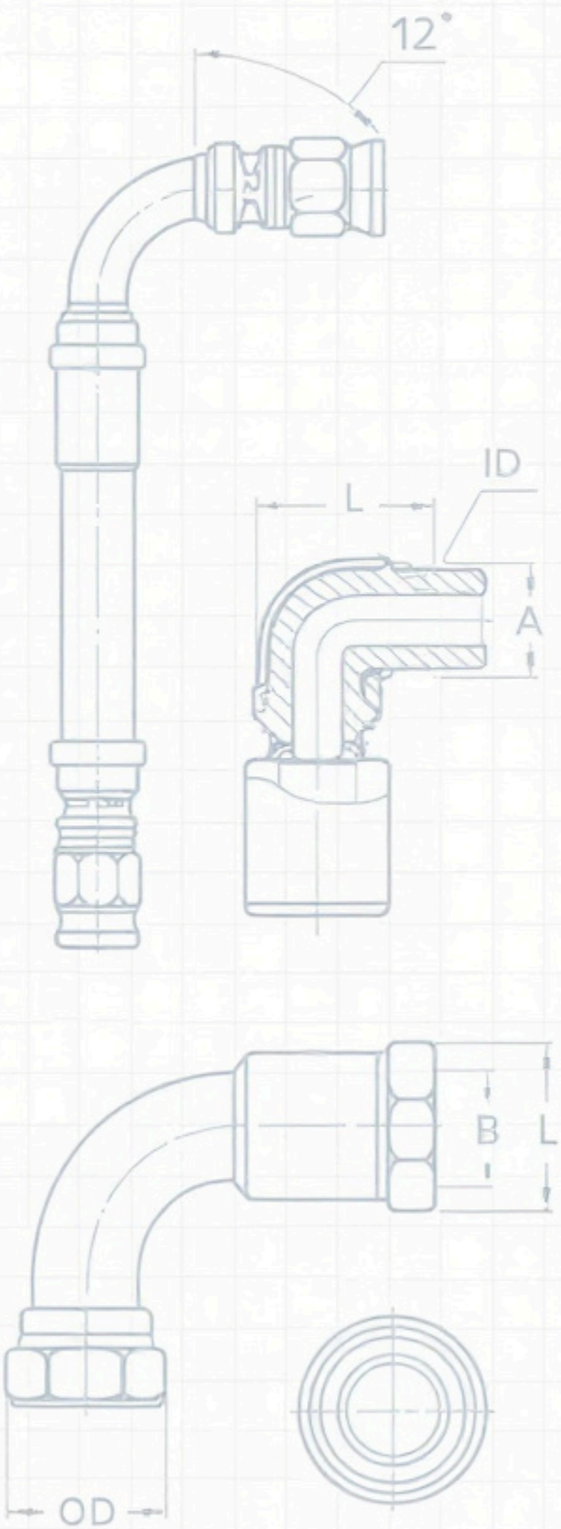


Standard : SAE 100 R2AT / DIN 2SN Flame Resistant
Tube : Synthetic Nitrile Rubber with flame and abrasion resistance tube
Braiding : Steel Two wire braided
Temperature : -40 Degrees C to +150 Degrees C
Application : Transmission of Hydraulic oils, Pressure pumps, Steam, Air etc
Finish : Wrap Finish

R2

DRILLIA
HYDRAULIC HOSE

ASSEMBLY CAUTIONS



The both ends of the hydraulic hose assembly shouldn't be straighted after installation, should be a little slack, because the length of hose will vary within the range between -4%~+2% under pressure.

Choosing the proper fittings to avoid the small Bending Radius and additional stess.

Taking the appropriate measures to prevent the mechanical damage from outside.

When installing the hose with the bending status, the Bending Point should be 1.5 times longer than the hose diameter, or it will have the problem of hinged support.

Avoiding the hose twisting via proper installation, When the hose assembly moves or bends on the same plane.

The installation of hose should be avoiding the twisting connection, because high temperature could make the assembly straighten, and make the screw nut loosen, even worse, make it fracture in the strain point.

When connecting the assembly with moving parts, it should' t be less than its Bending Radius in the whole range of motion and shouldn' t bear the extra tensile force.

Using the approriate fittings or connectings to avoid additional load.

The hose should better avoid to tough other objects directly or get away from other objects to reduce friction.

Reducing or avoiding the power caused by vibrating as far as possible. If the hose is connected to the hard component, the suitable clamp should as close to the conection as possible.

Preventing the hose (for example, not near exhaust system) from heat radiation, the adiabatic material must act as the protective sleeves for the hose.

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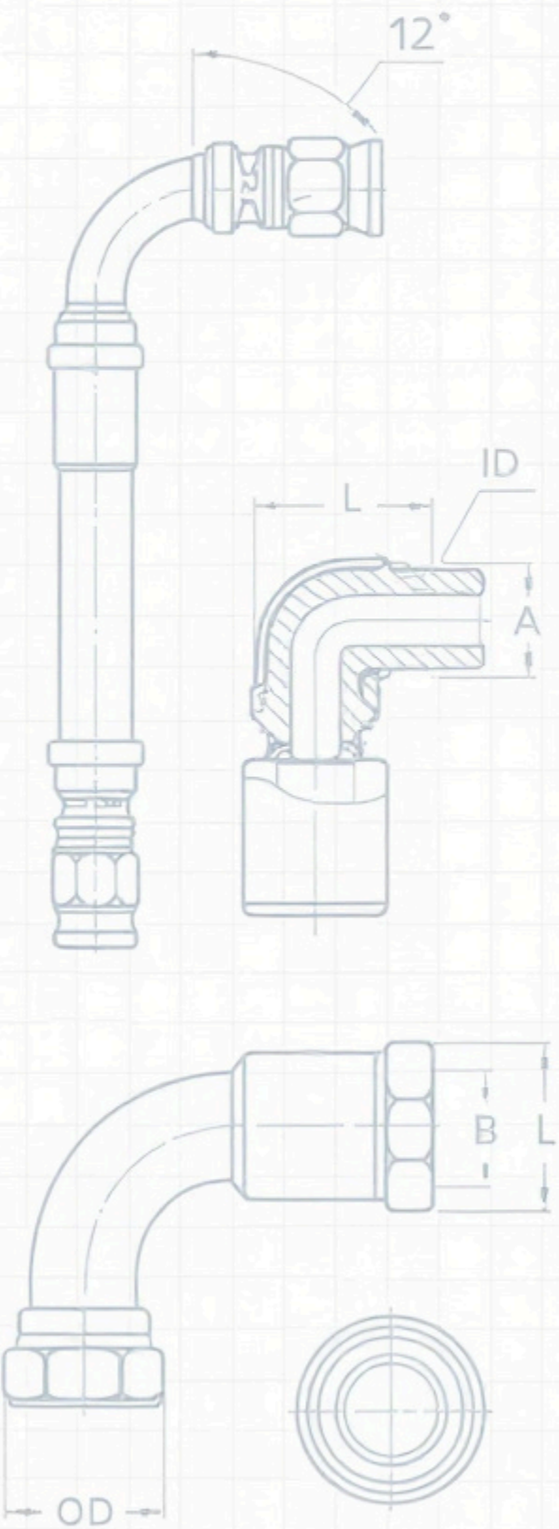
CONTACT US



DETAILS

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