TRANSFER OIL
Pure Fluid Attitude

108 - HR8 - HYBRID REINFORCEMENT

Thermoplastic hose with MSHA approved cover and combined reinforcement, for high pressure hydraulic applications from 250 to 350 bar (3600 to 5000 psi)



FEATURES

Inner Tube

Polyester elastomer

Reinforcement

One braid of aramid fiber plus one braid of steel wire

Cover

Polyurethane - black - non pinpricked - laser branding

Applications

General hydraulic applications requiring high mechanical protection properties of hose and braid, combined with high pressure - Construction equipment - Hoisting and handling equipment - Machine tools

Features

Rugged construction for heavy duty application and prolonged lifetime - Combined reinforcement offers low volumetric expansion and optimum change in length characteristics - Abrasion resistant

Description

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems - Suitable for general fluid power transmissions like earthmoving, forklift trucks, heavy duty construction machinery, hoisting and handling equipment, high pressure equipment - Steel braid design offers very high mechanical strength which prolongs lifetime of the hose in harsh conditions - Cover approved by MSHA (Mine Safety and Health Administration), number IC-305.

Temperature Range

-40 °C to +100 °C (-40 °F to +212 °F), limited to +70 °C (+158 °F) for air and water based fluids

Vacuum Rating

-0,93 bar; -700 mm Hg|-13,5 psi; -27,5 inch Hg

Specifications

Meets the pressure performance rating of SAE 100R8 // EN855-R8 // ISO3949-R8

Standard Branding

TRANSFER OIL - TO HYDRAULIC - Part No - HR8 - HYBRID REINFORCEMENT - Inch Size - DN Size - WP bar / psi - MSHA IC-305 - MADE IN ITALY - www.transferoil.com - QQ/YY - Batch No

Part no.	DN	Inches	Dash	ID (mm)	OD (mm)	WP (bar)	BP (bar)	ID (inch)	OD (inch)	WP (psi)	BP (psi)	SF	BR (mm)	BR (inch)	Weight (gr/m)	Weight (lb/ft)	Ferrule standard	Ferrule A316L
1082	DN6	1/4	-4	6.5	11.8	350	1400	0.256	0.465	5000	20000	4:1	50	1.97	155	0.104	SAC121	SAC821
1084	DN10	3/8	-6	9.7	15.9	280	1120	0.382	0.626	4000	16000	4:1	60	2.36	232	0.156	SAC141	SAC841
1085	DN12	1/2	-8	13.0	19.4	250	1000	0.512	0.764	3600	14400	4:1	80	3.15	318	0.214	SAC151	SAC851

Dimensions and values shown may be changed without prior notice to improve product performances and reliability.
Transfer Oil S.p.A. assumes no liability on mistakes nor errors appearing in this spec sheet.
Document date: 26/11/2026
www.transferoil.com