



## 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](http://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.*

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