

087 1SB Steel braid antiabrasion

MEDIUM
PRESSURE

HIGH
PRESSURE

1SB
STEEL BRAID

SAE 100R8

HR8

2SB-TWO
STEEL BRAID

HDH

CONSTANT
PRESSURE

VERY HIGH
PRESSURE

SPECIALITIES

Thermoplastic hose with steel reinforcement for hydraulic applications

From 95 to 360 bar (1300 to 5200 psi)



FEATURES

Inner tube

Polyester elastomer

- Agricultural brake systems
- Hoisting and handling application
- Industrial machines

Reinforcement

One braid of steel wire

Features

- Slimline construction for compact installation and flexibility
- Lightweight
- Steel braid offers low volumetric expansion and optimum change in length characteristics
- Abrasion resistant

Cover

Polyurethane, black, non pinpricked, white ink-jet branding

Applications

- General hydraulic applications requiring additional mechanical protection
- Construction and agricultural equipment

Description

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery, forklift trucks and other high pressure equipment. Steel braid offers increased mechanical protection compared to yarn braided hoses.

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

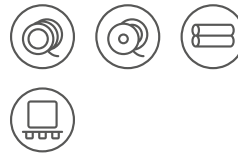
Specifications

SAE 100R1. Meets or exceeds pressure specifications of EN 853 1ST, EN 853 1SN and EN 857 1SC

APPLICATIONS



PACKAGING



CERTIFICATION



| Part No. | Hose size | | ID | | OD | | WP | | BP | | Safety factor | Bend radius | | Weight | | Ferrule part no. | | |
|----------|-----------|-------|----|-------|-------|-------|-------|-----|------|------|---------------|-------------|-----|--------|-----|------------------|--------|-----------|
| | dash | inch | DN | mm | inch | mm | inch | bar | psi | bar | | psi | mm | inch | g/m | lbs/ft | carbon | stainless |
| 0871 | -3 | 3/16" | 5 | 5,00 | 0,197 | 9,70 | 0,382 | 360 | 5200 | 1440 | 20800 | 4:1 | 30 | 1,18 | 125 | 0,084 | SAB111 | SAB811 |
| 0872 | -4 | 1/4" | 6 | 6,50 | 0,256 | 11,70 | 0,461 | 310 | 4500 | 1240 | 18000 | 4:1 | 40 | 1,57 | 165 | 0,111 | SAB121 | SAB821 |
| 0873 | -5 | 5/16" | 8 | 8,10 | 0,319 | 13,20 | 0,520 | 250 | 3600 | 1000 | 14400 | 4:1 | 55 | 2,17 | 190 | 0,128 | SAB131 | SAB831 |
| 0874 | -6 | 3/8" | 10 | 9,80 | 0,386 | 15,50 | 0,610 | 225 | 3200 | 900 | 12800 | 4:1 | 65 | 2,56 | 230 | 0,155 | SAB141 | SAB841 |
| 0875 | -8 | 1/2" | 12 | 13,00 | 0,512 | 18,80 | 0,740 | 190 | 2700 | 760 | 10800 | 4:1 | 85 | 3,35 | 300 | 0,202 | SAB151 | SAB851 |
| 0876 | -10 | 5/8" | 16 | 16,30 | 0,642 | 22,00 | 0,866 | 140 | 2000 | 560 | 8000 | 4:1 | 115 | 4,53 | 335 | 0,225 | SAB161 | SAB861 |
| 0877 | -12 | 3/4" | 20 | 19,50 | 0,768 | 25,80 | 1,016 | 115 | 1600 | 460 | 6400 | 4:1 | 145 | 5,71 | 460 | 0,309 | SAB171 | SAB871 |
| 0878 | -16 | 1" | 25 | 25,80 | 1,016 | 33,40 | 1,315 | 95 | 1300 | 380 | 5200 | 4:1 | 180 | 7,09 | 640 | 0,430 | SAB181 | SAB881 |