



FORZA UNO - SHARK SKIN



DIN EN 853 1SN / SAE 100R1AT / ISO 1436 – 10.10S2.

High pressure, single steel braid reinforced hydraulic hose

| REFERENCE | # | DN | inch | SAE Dash | ID | OD | MPa | | MIN BEND RAD | | KG | |
|-----------|------------|------|-------|----------|------|------|------|------|--------------|-------|-----|------|
| | | | | | mm | mm | MPa | PSI | MPa | PSI | mm | kg/m |
| 1SN-03 | 10.10S2.03 | DN5 | 3/16" | -3 | 4,8 | 11,4 | 25.0 | 3700 | 100.0 | 14800 | 89 | 0,23 |
| 1SN-04 | 10.10S2.04 | DN6 | 1/4" | -4 | 6,3 | 13,0 | 22.5 | 3300 | 90.0 | 13200 | 100 | 0,23 |
| 1SN-05 | 10.10S2.05 | DN8 | 5/16" | -5 | 8,0 | 14,7 | 21.5 | 3200 | 85.0 | 12800 | 114 | 0,23 |
| 1SN-06 | 10.10S2.06 | DN10 | 3/8" | -6 | 9,5 | 17,2 | 18.0 | 2700 | 72.0 | 10800 | 127 | 0,33 |
| 1SN-08 | 10.10S2.08 | DN12 | 1/2" | -8 | 12,7 | 20,5 | 16.0 | 2400 | 64.0 | 9600 | 178 | 0,42 |
| 1SN-10 | 10.10S2.10 | DN16 | 5/8" | -10 | 16,0 | 23,8 | 13.0 | 1900 | 52.0 | 7600 | 200 | 0,52 |
| 1SN-12 | 10.10S2.12 | DN19 | 3/4" | -12 | 19,0 | 27,8 | 10.5 | 1600 | 42.0 | 6400 | 240 | 0,65 |
| 1SN-16 | 10.10S2.16 | DN25 | 1" | -16 | 25,4 | 35,9 | 8.8 | 1300 | 35.0 | 5200 | 300 | 1,00 |

INNER TUBE: seamless oil resistant synthetic rubber

REINFORCEMENT: 1 high tensile steel wire braid

OUTER TUBE: black wrapped, oil, weather and abrasion resistant synthetic rubber

SAFETY FACTOR: 4:1

APPLICATION: petroleum base hydraulic fluids

TEMPERATURE RANGE: -40°C (-40°F) +100°C (+212°F); Intermittent service: +120°C (+248°F) Max. temperature recommended for water base hydraulic fluids: +70°C (+158°F) Max. temperature recommended for air: +60°C (+140°F)

COUPLINGS: Balflex® 2-piece fittings serie 23 with 20 serie ferrules Balflex® Multicrimp fittings serie BW23/BF21/P23

AVAILABLE VERSIONS: High Temperature (Tropic) / Low Temperature (Artic) / Tough Cover (Armourguard)

COVER: U.S. MSHA APPROVED

NOTES: Sizes -40 (2.1/2") and -48 (3") not included in the standards. Balflex® hydraulic hose DIN EN 853 1SN / SAE 100R1AT has a very superior working and burst pressure compared with only SAE 100R1AT

BALFLEX // FORZA UNO SHARK SKIN 1SN - DN6 - DIN EN 853 / SAE 100R1AT / ISO 1436 - 1/4" - WP 22.5 MPa 3300 PSI - Flame Resistant - MSHA IC-252/00

FORZA DUE - SHARK SKIN



DIN EN 853 2SN / SAE 100R2AT / ISO 1436 – 10.10S4.

High pressure, double steel braid reinforced hydraulic hose

| REFERENCE | # | DN | inch | SAE Dash | ID | OD | MPa | | MIN BEND RAD | | KG | |
|-----------|------------|------|-------|----------|------|------|------|------|--------------|-------|-----|------|
| | | | | | mm | mm | MPa | PSI | MPa | PSI | mm | kg/m |
| 2SN-03 | 10.10S4.03 | DN5 | 3/16" | -3 | 4,8 | 13,4 | 41.5 | 6100 | 165.0 | 24400 | 89 | 0,32 |
| 2SN-04 | 10.10S4.04 | DN6 | 1/4" | -4 | 6,3 | 14,7 | 40.0 | 5800 | 160.0 | 23200 | 100 | 0,38 |
| 2SN-05 | 10.10S4.05 | DN8 | 5/16" | -5 | 8,0 | 16,5 | 35.0 | 5100 | 140.0 | 20400 | 114 | 0,45 |
| 2SN-06 | 10.10S4.06 | DN10 | 3/8" | -6 | 9,5 | 18,7 | 33.0 | 4800 | 132.0 | 19200 | 127 | 0,53 |
| 2SN-08 | 10.10S4.08 | DN12 | 1/2" | -8 | 12,7 | 21,9 | 27.5 | 4000 | 110.0 | 16000 | 178 | 0,65 |
| 2SN-10 | 10.10S4.10 | DN16 | 5/8" | -10 | 16,0 | 25,3 | 25.0 | 3700 | 100.0 | 14800 | 200 | 0,76 |
| 2SN-12 | 10.10S4.12 | DN19 | 3/4" | -12 | 19,0 | 29,3 | 21.5 | 3200 | 86.0 | 12800 | 240 | 1,00 |
| 2SN-16 | 10.10S4.16 | DN25 | 1" | -16 | 25,4 | 37,9 | 16.5 | 2400 | 65.0 | 9600 | 300 | 1,48 |

INNER TUBE: seamless oil resistant synthetic rubber

REINFORCEMENT: 2 high tensile steel wire braids

OUTER TUBE: black wrapped, oil, weather and abrasion resistant synthetic rubber

SAFETY FACTOR: 4:1

APPLICATION: petroleum base hydraulic fluids

TEMPERATURE RANGE: -40°C (-40°F) +100°C (+212°F); Intermittent service: +120°C (+248°F) Max. temperature recommended for water base hydraulic fluids: +70°C (+158°F) Max. temperature recommended for air: +60°C (+140°F)

COUPLINGS: Balflex® 2-piece fittings serie 23 with 20 serie ferrules. Balflex® Multicrimp fittings serie BW23/BF21/P23

COVER: U.S. MSHA APPROVED
AVAILABLE VERSIONS: High Temperature (Tropic) / Low Temperature (Artic) / Tough Cover (Armourguard)

NOTES: Size -48 (3") not included in the standards. Balflex® hydraulic hose DIN EN 853 2SN / SAE 100R2AT has a very superior working and burst pressure compared with only SAE 100R2AT

BALFLEX // FORZA DUE SHARK SKIN 2SN - DN16 - DIN EN 853 / SAE 100R2AT / ISO 1436 - 5/8" - WP 25 MPa 3700 PSI - Flame Resistant - MSHA IC-252/00