

**LIMUSNUNGGAL  
RUBBER INDUSTRY**

# **STEEL BRAIDED HOSE**



Certificate No. JKT9350777

# SAE100R1AT

## HYDRAULIC HOSE

**Application** Medium pressure applications using petroleum base hydraulic fluids. Meets or exceeds requirements of SAE100R1AT

**Construction** Oil-resistance synthetic rubber inner tube: 1ply steel wire braid; oil and weather-resistant synthetic rubber cover.

**Temperature range** -40° to + 93° C

**Elongation & contraction** Must not exceed +2%, -4%

**Length** 20 m



# SAE100R2AT

## HYDRAULIC HOSE

**Application** Medium pressure applications using petroleum base hydraulic fluids. Meets or exceeds requirements of SAE100R2AT

**Construction** Oil-resistance synthetic rubber inner tube: 2 plies steel wire braid; oil and weather-resistant synthetic rubber cover.

**Temperature range** -40° to + 93° C

**Elongation & contraction** Must not exceed +2%, -4%

**Length** 20 m



| ID.           | OD.               | Max. Working Pressure        | Test Pressure                | Min. Burst Pressure          | Min. Bend Pressure | Approx. Weight |
|---------------|-------------------|------------------------------|------------------------------|------------------------------|--------------------|----------------|
| inch<br>(mm)  | inch<br>(mm)      | psi<br>(Kg/cm <sup>2</sup> ) | psi<br>(Kg/cm <sup>2</sup> ) | psi<br>(Kg/cm <sup>2</sup> ) | psi<br>(mm)        | Kg/m<br>(Kg/m) |
| 1/4<br>(6.5)  | 9/16<br>(14.1)    | 2,750<br>(195)               | 5,500<br>(385)               | 11,000<br>(770)              | 4<br>(102)         | 0.24           |
| 3/8<br>(9.5)  | 23/32<br>(18.1)   | 2,250<br>(160)               | 4,500<br>(315)               | 9,000<br>(630)               | 5<br>(127)         | 0.34           |
| 1/2<br>(13)   | 27/32<br>(21.5)   | 2,000<br>(140)               | 4,000<br>(280)               | 8,000<br>(560)               | 7<br>(178)         | 0.41           |
| 5/7<br>(16)   | 31/32<br>(24.7)   | 1,500<br>(105)               | 3,000<br>(210)               | 6,000<br>(240)               | 8<br>(203)         | 0.48           |
| 3/4<br>(19)   | 1-1/8<br>(28.6)   | 1,250<br>(90)                | 2,500<br>(175)               | 5,000<br>(350)               | 9-1/2<br>(241)     | 0.60           |
| 1<br>(25)     | 1-7/16<br>(26.6)  | 1,000<br>(70)                | 2,000<br>(140)               | 4,000<br>(280)               | 12<br>(305)        | 0.92           |
| 1-1/4<br>(32) | 1-23/32<br>(44.8) | 900<br>(63)                  | 1,800<br>(120)               | 3,600<br>(240)               | 16-1/2<br>(419)    | 1.14           |
| 1-1/2<br>(38) | 2<br>(52)         | 2500<br>(34)                 | 1,000<br>(70)                | 2,000<br>(140)               | 10<br>(508)        | 1.39           |

| ID.           | OD.               | Max. Working Pressure        | Test Pressure                | Min. Burst Pressure          | Min. Bend Pressure | Approx. Weight |
|---------------|-------------------|------------------------------|------------------------------|------------------------------|--------------------|----------------|
| inch<br>(mm)  | inch<br>(mm)      | psi<br>(Kg/cm <sup>2</sup> ) | psi<br>(Kg/cm <sup>2</sup> ) | psi<br>(Kg/cm <sup>2</sup> ) | psi<br>(mm)        | Kg/m<br>(Kg/m) |
| 1/4<br>(6)    | 5/8<br>(15.7)     | 5,000<br>(350)               | 10,000<br>(700)              | 20,000<br>(1,400)            | 4<br>(102)         | 0,36           |
| 3/8<br>(9)    | 25/32<br>(19.7)   | 4,000<br>(280)               | 8,000<br>(560)               | 16,000<br>(1,120)            | 5<br>(127)         | 0,55           |
| 1/2<br>(13)   | 57/64<br>(23.1)   | 3,500<br>(245)               | 7,000<br>(490)               | 1,4000<br>(980)              | 7<br>(178)         | 0,70           |
| 5/8<br>(16)   | 1-1/32<br>(26,3)  | 2,750<br>(195)               | 5,500<br>(385)               | 11,000<br>(770)              | 8<br>(203)         | 0,76           |
| 3/4<br>(19)   | 1-5/16<br>(30.2)  | 2,250<br>(160)               | 4,500<br>(315)               | 9,000<br>(630)               | 9-1/2<br>(241)     | 1.00           |
| 1<br>(25)     | 1-17/32<br>(38.9) | 2,000<br>(140)               | 4,000<br>(280)               | 8,000<br>(560)               | 12<br>(305)        | 1.40           |
| 1-1/4<br>(32) | 1-31/32<br>(49.6) | 1,800<br>(125)               | 3,600<br>(250)               | 7,200<br>(500)               | 16-1/2<br>(419)    | 2.05           |
| 1-1/2<br>(38) | 2-1/32<br>(56)    | 1,250<br>(86)                | 2,500<br>(170)               | 5,000<br>(340)               | 20<br>(508)        | 2-50           |

# SHP

## HIGH PRESSURE HOSE

**Application** Used in mining, quarries, industrial, and construction, service.

**Construction** **Tube:** BLACK smooth rubber heat and oil mist resistant  
**Reinforcement:** plies of steel wire  
**Cover:** YELLOW smooth rubber com proud resistant to weather and abrasion; 2" and above is oil resistant

**Temperature range** -40° to + 235° C

**Length** 20 m



| ID.           | OD.             | Max. Working Pressure | Approx. Weight |
|---------------|-----------------|-----------------------|----------------|
| inch<br>(mm)  | inch<br>(mm)    | psi<br>(bar)          | Kg/m           |
| 1/2<br>(13)   | 7/16<br>(25)    | 600<br>(41.5)         | 0.64           |
| 3/4<br>(19)   | 23/32<br>(31)   | 600<br>(41.5)         | 0.84           |
| 1<br>(25)     | 27/32<br>(48)   | 600<br>(41.5)         | 1.11           |
| 1-1/4<br>(32) | 31/32<br>(48)   | 600<br>(41.5)         | 1.90           |
| 1-1/2<br>(38) | 1-1/8<br>(56)   | 600<br>(41.5)         | 2.19           |
| 2<br>(51)     | 1-7/16<br>(67)  | 600<br>(41.5)         | 2.68           |
| 2-1/2<br>(63) | 1-23/32<br>(81) | 600<br>(41.5)         | 3.17           |
| 3<br>(76)     | 2<br>(94)       | 500<br>(34)           | 3.80           |
| 4<br>(102)    | 124             | 400<br>(27)           | 6.65           |

# SS235

## SATURATED STEAM HOSE

**Application** High pressure wire reinforced steam hose for service with superheated steam

**Construction** **Tube:** Epdm rubber compound  
**Reinforcement:** steel wire  
**Cover:** RED Epdm and it is poinpricked to avoid separation

**Temperature range** -40° to + 120° C

**Length** 20 m



| ID.           | OD.             | Max. Working Pressure | Approx. Weight |
|---------------|-----------------|-----------------------|----------------|
| inch<br>(mm)  | inch<br>(mm)    | psi<br>(bar)          | Kg/m           |
| 1/2<br>(13)   | 7/16<br>(27)    | 250<br>(17)           | 0.24           |
| 3/4<br>(19)   | 23/32<br>(33)   | 250<br>(17)           | 0.34           |
| 1<br>(25)     | 27/32<br>(42)   | 250<br>(17)           | 0.41           |
| 1-1/4<br>(32) | 31/32<br>(49)   | 250<br>(17)           | 0.48           |
| 1-1/2<br>(38) | 1-1/8<br>(55)   | 250<br>(17)           | 0.60           |
| 2<br>(51)     | 1-7/16<br>(68)  | 250<br>(17)           | 0.92           |
| 2-1/2<br>(63) | 1-23/32<br>(80) | 250<br>(17)           | 1.14           |
| 2-1/2<br>(76) | 2<br>(98)       | 250<br>(17)           | 1.39           |

# SCP

## CONCRETE PLACEMENT HOSE

**Application** Used for the placement of concrete to the casting location

**Construction** BLACK smooth and abrasive resistant rubber compound and steel wire reinforced

**Temperature range** -40° to + 73° C

**Length** 20 m



| ID.          | OD.            | Max. Working Pressure | Approx. Weight |
|--------------|----------------|-----------------------|----------------|
| inch<br>(mm) | inch<br>(mm)   | psi<br>(bar)          | Kg/m           |
| 3<br>(76)    | 7/16<br>(103)  | 1,160<br>(80)         | 8.01           |
| 4<br>(102)   | 23/32<br>(129) | 1,160<br>(80)         | 10.00          |
| 5<br>(127)   | 27/32<br>(154) | 1,160<br>(80)         | 12.03          |
| 6<br>(151)   | 31/32<br>(178) | 1,160<br>(80)         | 12.03          |

# STC

## TAR SPRAYING HOSE

**Application** Specially designed as tank wagon hose for loading and unloading hot asphalt

**Construction** **Tube:** black oil resistant compound  
**Reinforcement:** plies of steel wire  
**Cover:** BLACK smooth rubber compound resistant to oil, weather, ozone, and abrasion

**Temperature range** -15° to + 185° C

**Length** 20 m



| ID.             | OD.                | Max. Working Pressure | Test Pressure  | Min. Burst Pressure | Approx. Weight |
|-----------------|--------------------|-----------------------|----------------|---------------------|----------------|
| inch<br>(mm)    | inch<br>(mm)       | psi<br>(atm)          | psi<br>(atm)   | inch<br>(mm)        | Kg/m           |
| 3/4<br>(19)     | 1-1/4<br>(32)      | 295<br>(20)           | 1,910<br>(130) | 3-1/2<br>(90)       | 1.00           |
| 1<br>(25)       | 1-1/2<br>(38)      | 295<br>(20)           | 1,620<br>(110) | 4-3/4<br>(120)      | 1.28           |
| 1-1/4<br>(32)   | 2-13/16<br>(46)    | 295<br>(20)           | 1,320<br>(90)  | 6<br>(150)          | 1.75           |
| 1-1/2<br>(38)   | 2-1/16<br>(52)     | 220<br>(15)           | 1,180<br>(80)  | 7-1/2<br>(190)      | 1.96           |
| 2<br>(51)       | 2-5/8<br>(67)      | 220<br>(15)           | 880<br>(60)    | 10<br>(250)         | 2.86           |
| 2-1/2<br>(63.5) | 3-1/16<br>(78)     | 150<br>(10)           | 740<br>(50)    | 13<br>(330)         | 3.45           |
| 3<br>(76)       | 3-21/32<br>(93)    | 150<br>(10)           | 630<br>(43)    | 16<br>(400)         | 4.71           |
| 3-1/2<br>(90)   | 4-7/32<br>(107)    | 150<br>(10)           | 590<br>(40)    | 19<br>(480)         | 5.48           |
| 4<br>(102)      | 4-15/16<br>(125.5) | 150<br>(10)           | 590<br>(40)    | 22<br>(560)         | 7.32           |

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Certificate No. JA78600177