



Abrasion resistant polyurethane hose/ tubing for industrial robots, fabric reinforced high pressure hose

Application

- flexible hose/ ducting for liquids and for gases and for abrasive solids
- injection moulding tool cooling, cooling water supply
- agricultural industry: high pressure spraying hose e.g. for pesticides
- compressed air hose, cooling water hose, water hose
- fabric reinforced hose/ braided hose
- industrial robot, robotic, welding equipment, welding robot, welding gun: welding spot resistant hose, hose for dresspack for media as water and air
- heating hose: interior hose for media transfer

Properties

- fabric reinforced
- highly flexible
- highly abrasion resistant

- crush resistant
- good resistance to oil, gasoline and chemicals
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- 35° C to 80° C

Design

- NORFLEX® design
- fabric reinforced wall
- smooth interior and exterior
- wall: special premium polyurethane (Pre-PUR®)

Delivery variants

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- grey (standard)
- black (standard)
- blue (standard)
- red (standard)
- yellow (standard)
- green (standard)
- special colours: full coloured
- customer-specific branding

I.D. (in / mm)	outer Ø (mm)	Pressure (bar)	Burst Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Dimensions in Stock (m)	Production Lengths (m)	Order No.
black								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0402
3/8 / 9,4	16.00	20,000	0	55.00	0.15	50	-	441-9094-0402
1/2 / 12,8	19.50	20,000	0	69.00	0.23	50	-	441-9128-0402
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0402
3/4 / 19,5	28.50	20,000	0	140.00	0.41	-	50	441-9190-0402
blue								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0400
3/8 / 9,4	16.00	20,000	0	55.00	0.15	50	-	441-9094-0400
1/2 / 12,8	19.50	20,000	0	69.00	0.23	50	-	441-9128-0400
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0400
3/4 / 19,5	28.50	20,000	0	140.00	0.41	50	-	441-9190-0400
green								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0404
3/8 / 9,4	16.00	20,000	0	55.00	0.15	50	-	441-9094-0404
1/2 / 12,8	19.50	20,000	0	69.00	0.23	50	-	441-9128-0404
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0404
3/4 / 19,5	28.50	20,000	0	140.00	0.41	50	-	441-9190-0404

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20° C and are approx. data. Additional information at www.norres.com/en/technology/

I.D.	outer Ø	Pressure	Burst Pressure	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
grey								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0401
3/8 / 9,4	16.00	20,000	0	55.00	0.15	-	50	441-9094-0401
1/2 / 12,8	19.50	20,000	0	69.00	0.23	-	50	441-9128-0401
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0401
3/4 / 19,5	28.50	20,000	0	140.00	0.41	-	50	441-9190-0401
red								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0403
3/8 / 9,4	16.00	20,000	0	55.00	0.15	50	-	441-9094-0403
1/2 / 12,8	19.50	20,000	0	69.00	0.23	50	-	441-9128-0403
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0403
3/4 / 19,5	28.50	20,000	0	140.00	0.41	50	-	441-9190-0403
transparent								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0005
3/8 / 9,4	16.00	20,000	0	55.00	0.15	-	50	441-9094-0005
1/2 / 12,8	19.50	20,000	0	69.00	0.23	-	50	441-9128-0005
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0005
3/4 / 19,5	28.50	20,000	0	140.00	0.41	-	50	441-9190-0005
yellow								
1/4 / 6,4	12.70	20,000	0	22.00	0.13	-	50	441-9064-0405
3/8 / 9,4	16.00	20,000	0	55.00	0.15	-	50	441-9094-0405
1/2 / 12,8	19.50	20,000	0	69.00	0.23	-	50	441-9128-0405
5/8 / 16	24.50	20,000	0	117.00	0.31	-	50	441-9160-0405
3/4 / 19,5	28.50	20,000	0	140.00	0.41	-	50	441-9190-0405

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at www.norres.com/en/technology/

Accessories



CLAMP 208

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