

FEATURES

- Superior flexibility
- Resistant to a wide range of chemicals
- Silicone-free
- RoSH compliant
- High impact resistance

RS PRO Air Hose Natural Nylon 4mm x 30m NMSF Series

RS Stock No.: 723-911



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Brought to you by RS Pro, a range of air hoses, ideal for the transfer of air, gas or fluid. Both Type 11 and Type 12 versions are available, providing solutions for areas requiring low toxic and food safe equipment (type 11). And also the more standard hose, which is perfect for various environments. All models are highly reliable and excellent quality.

General Specifications

Colour	Natural
Material	Nylon
Number Of Tubes	1
Special Features	Abrasion Resistant
Application	Air brakes for lorries, buses and other HGVs, Workshop air compressors, Fuel pumps, Jackhammers

Mechanical Specifications

Hose Inside Diameter	2.5mm
Hose Outside Diameter	4mm
Length	30m

Operation Environment Specifications

Maximum Operating Pressure	15.5 bar
Minimum Operating Temperature	-40°C
Maximum Operating Temperature	80°C



STOCK SIZES - IMPERIAL

Product Ref.	Size		Min. Bend Radius	Burst Pressure	
	I.D.	O.D.		PSI	BAR
FLEXIBLE MEDIUM GAUGE					
NMSF06	.117	3/16	3/4	650	44
NMSF08	.170	1/4	1	650	44
NMSF10	.212	5/16	1 1/2	650	44
NMSF12/SF	.265	3/8	2	650	44
NMSF12	.250	3/8	2 1/2	650	44
NMSF16	.375	1/2	3	650	44

STOCK SIZES - METRIC

Product Ref.	Size		I.D.	Nominal Wall Thickness mm	Nom. Burst Pressure @ +20°C		Bend Radius mm
	O.D.	Tol.			PSI	BAR	
FLEXIBLE MEDIUM GAUGE							
NMSF04M	4	+0.05/ -0.07	2.5	0.75 ± 0.08	917	62	25mm
NMSF05M	5	+0.05/ -0.07	3.3	0.85 ± 0.08	850	58	30mm
NMSF06M	6	+0.05/ -0.10	4	1.00 ± 0.08	840	57	35mm
NMSF08M	8	+0.05/ -0.10	5.5	1.25 ± 0.08	802	55	45mm
NMSF10M	10	+0.05/ -0.10	7	1.50 ± 0.08	773	53	60mm
NMSF12M	12	+0.05/ -0.10	8.5	1.75 ± 0.08	755	51	70mm

PHYSICAL PROPERTIES	METHOD	UNIT	
Melting Point Range	Polarisation Microscope	°C	162 - 170
Density	DIN 53479	g/cm ³	1.05
Water Absorption	Condition at 65% RH & 20°C	%	1.4
Water Saturation	Condition at 65% RH & 20°C	Kp/cm ²	160
Tensile Strength, yield	DIN 53455	Kp/cm ²	280
Elongation at yield	DIN 53455	%	350
Tensile Strength at break	DIN 53455		
Elongation at break	DIN 53455	Kp/cm ²	140
Flexural Strength at conventional deflection	DIN 53452	Kp/cm ² cmkp/cm ²	210 No break
Ball Indentation hardness	VDE 0303 . 60 sec		51
Impact Strength	DIN 53453		
Shore Hardness - Scale D			