

Aeroquip Performance Products

AQP Hose Fittings Conversion Tables

Inch and Millimeter Equivalents

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Inches Fractions	Inches Decimals	Millimeters Decimals
1/64	.016	.397
1/32	.031	.794
3/64	.047	1.191
1/16	.063	1.588
5/64	.078	1.984
3/32	.094	2.381
7/64	.109	2.778
1/8	.125	3.175

Inches Fractions	Inches Decimals	Millimeters Decimals
9/64	.141	3.572
5/32	.156	3.969
11/64	.172	4.366
3/16	.188	4.763
13/64	.203	5.159
7/32	.219	5.556
15/64	.234	5.953
1/4	.250	6.350

Inches Fractions	Inches Decimals	Millimeters Decimals
17/64	.266	6.747
9/32	.281	7.144
19/64	.297	7.541
15/16	.313	7.938
21/64	.328	8.334
11/32	.344	8.731
23/64	.359	9.128
3/8	.375	9.525
25/64	.391	9.922
13/32	.406	10.319

Converting Units of Measure

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Multiply	By	To Obtain
Atmospheres	14.70	Pounds/ square inch
Atmospheres	1.013	Bars
Bars	0.9869	Atmospheres
Bars	14.50	Pounds/ square inch
Centimeters	0.3937	Inches
Feet	0.3048	Meters
Gallons	231	Cubic inches
Gallons	3.785	Liters
Gallons (Imperial)	1.20105	U.S. gallons
Gallons (U.S.)	0.83267	Imperial gallons
Gallons (water)	8.3453	Pounds of water

Multiply	By	To Obtain
Gallons/ feet/hour	8.0208	Cubic minute
Horsepower	745.7	Watts
Inches of mercury	1.133	Feet of water
Kilometers	0.6214	Miles
Liters	0.03531	Cubic feet
Liters	61.02	Cubic inches
Liters	0.2642	Gallons
Meters	3.281	Feet
Meters	39.37	Inches
Microns	10 ⁶	Meters
Miles	5280	Feet
Miles	1.609	Kilometers
Miles/hour	1.609	Kilometers/ hour

Multiply	By	To Obtain
Miles/hour	0.8684	Knots
Ounces	0.0625	Pounds
Ounces	28.34952	Grams
Ounces (fluid)	1.805	Cubic inches
Ounces (fluid)	0.02957	Liters
Pounds	453.5924	Grams
Pounds of water	0.1198	Gallons
Pounds/ square inch	0.06804	Atmospheres
Temp. (°C)	1.8	+32 Temp. (°F)
Temp. (°F)	-32	5/9 Temp. (°C)

For information about Torque Specification and the proper tightness to allow for a good seal, but prevents damage to the fitting by over torque, see technical data sheet:

Torque Specifications for Aluminum Fittings

For information about determining correct hose sizes for flow capacities at suggested flow velocities, see chart:

**Flow Capacities of Hose Assemblies at
Suggested Flow Velocities**



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- Gear pumps
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- PLUS+1® software services, support and training
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