



Variations

One-touch connection and release
Possible to use in vacuum to -100 kPa

One-touch Mini
Series KJ

Applicable tubing—Metric size



Applicable tubing material	Applicable tubing O.D. (mm)							With seal	Electroless nickel plated	Page
	2	ø3.2	ø4	ø6	ø8	ø10	ø12			
Nylon	M3	●	●	●					●	1262
Soft nylon	M5	●	●	●	●				●	
Polyurethane	1/8	●	●	●					●	
Unions		●	●	●					●	

One-touch connection and release
Possible to use in vacuum to -100 kPa

One-touch Fittings
Series KQ2

Applicable tubing—Metric size



Nylon	M5	●	●	●					●	1266
Soft nylon	M6	●	●	●					●	
Polyurethane	1/8	●	●	●	●	●			●	
	1/4	●	●	●	●	●	●		●	
	3/8	●	●	●	●	●	●		●	
	1/2	●	●	●	●	●	●		●	
Unions		●	●	●	●	●	●		●	

Low-torque rotation for fast swivel and oscillating applications

Rotary One-touch Fittings
Series KS (Standard)
Series KX (High speed)

Applicable tubing—Metric size



Nylon	M5	●	●	●					●	1276
Soft nylon	M6	●	●	●					●	
Polyurethane	1/8	●	●	●					●	
	1/4	●	●	●	●	●			●	
	3/8	●	●	●	●	●			●	
	1/2	●	●	●	●	●			●	

One-touch connection and release
One-touch In/Out connection for compact and concentrated tubing applications

One-touch Fittings/Manifold
Series KM

Applicable tubing—Metric size



Nylon	1/4	●	●						●	1278
Soft nylon	3/8	●	●						●	
Polyurethane	ø8	●	●						●	
	ø10	●	●						●	
	ø12	●	●						●	

Possible to use in vacuum to -1.0 MPa

Insert Fittings
Series KF

Applicable tubing—Metric size



Nylon	1/8	●	●	●					●	1280
Soft nylon	1/4	●	●	●	●	●			●	
Polyurethane	3/8	●	●	●	●	●			●	
	1/2	●	●	●	●	●			●	
Unions		●	●	●	●	●			●	

Tubing connection/disconnection without use of tools

Miniature Fittings
Series M

Applicable tubing—Metric size



Nylon	M3	●	●	●					●	1284
Soft nylon	M5	●	●	●					●	
Polyurethane	1/8	●	●	●					●	

Accepts soft copper tube

Self-align Fittings
Series H/DL/L/LL

Applicable tubing—Metric size



Nylon	1/8	●	●	●					●	1287
Soft nylon	1/4	●	●	●	●	●			●	
Soft copper (C1220T-0)	3/8	●	●	●	●	●			●	
	1/2	●	●	●	●	●			●	
Unions		●	●	●	●	●			●	



Fittings & Tubing



Variations

One-touch connection and release
Built-in self-seal mechanism

Tube Coupler
Series KC

Applicable tubing—Metric size



General purpose type

S Couplers
Series KK

* Table on the right shows the One-touch fittings type.



With shock absorption cover

S Couplers
Series KKH



Body material: SUS304

S Couplers Stainless Steel
Series KKA



Manufactured by Rectus

S Couplers
Series KK13



Multi-connector
with One-touch Fittings
Series DMK

Applicable tubing—Metric size



Rectangular Multi-connector
Series KDM

Applicable tubing—Metric size



Centralized distribution of supply air

Piping Module
Series KB

Applicable tubing—Metric size



Applicable tubing material

Applicable tubing O.D. (mm)

ø3.2 ø4 ø6 ø8 ø10 ø12 ø16

With seal
Electroless
nickel plated

Page

Applicable tubing material	Applicable tubing O.D. (mm)	With seal		Page
		Electroless nickel plated		
Nylon Soft nylon Polyurethane	M5	•	•	1290
	1/8	•	•	
	1/4	•	•	
	3/8	•	•	
	1/2	•	•	
	Unions	•	•	
Nylon Soft nylon Polyurethane	M5	•	•	1293
	1/8	•	•	
	1/4	•	•	
	1/2	•	•	
Nylon Soft nylon Polyurethane	1/8			1295
	1/4			
	3/8			
	1/2			
Nylon Soft nylon Polyurethane	1/8			1297
	1/4			
	3/8			
	1/2			
	3/4			
Nylon Soft nylon Polyurethane	1/8			1299
	1/4			
	3/8			
	1/2			
Nylon Soft nylon Polyurethane	6 tubes	•	•	1301
	12 tubes	•	•	
Nylon Soft nylon Polyurethane	10 tubes	•	•	1302
		•	•	
	20 tubes	•	•	
		•	•	
Nylon Soft nylon Polyurethane		•	•	1303
		•	•	

Fittings & Tubing

General Purpose Fittings Series



Fitting Series for Special Environments

Variations

For use where weld spatter is generated
Flame resistant material UL-94, V-0

FR One-touch Fittings
Series KR



Applicable tubing—Metric size

For use where weld spatter is generated
Flame resistant material UL-94, V-0

FR One-touch Fittings Manifold
Series KRM



Applicable tubing—Metric size

For use in corrosive environments
Stainless series

One-touch Fittings
Series KG



Applicable tubing—Metric size

For use in corrosive environments
Stainless series 316

One-touch Fittings
Series KQG



Applicable tubing—Metric size

For preventing static electricity

Antistatic One-touch Fittings
Series KA



For use in corrosive environments
Stainless steel (SUS316)

Miniature Fittings
Series MS



Applicable tubing—Metric size

Applicable tubing material	Applicable tubing O.D. (mm)	With seal	Electroless nickel plated	Page		
					ø3.2	ø4
FR Soft nylon	1/8			1306		
	1/4	•	•			
	3/8	•	•			
	1/2	•	•			
	Unions	•	•			
FR Double layer	1/4	•		1310		
	3/8		•			
	ø10	•				
	ø12		•			
Nylon	M5	•	•	1312		
	1/8	•	•			
	1/4	•	•			
	3/8	•	•			
	Unions	•	•			
Soft nylon	M5	•	•	1317		
	1/8	•	•			
	1/4	•	•			
	3/8	•	•			
	Unions	•	•			
Polyurethane	M5	•	•	1319		
	1/8	•	•			
	1/4	•	•			
	3/8	•	•			
	Unions	•	•			
Nylon	M5	•	•	1322		
	Soft nylon	•	•			
	Polyurethane	•	•			

Clean Series Fittings

Variations

For air Blow applications

Clean One-touch Fittings
Series KP



Applicable tubing—Metric size

For driving System Air Piping

Clean One-touch Fittings
Series KPQ/KPG



Applicable tubing—Metric size

Applicable tubing material	Applicable tubing O.D. (mm)	With seal	Electroless nickel plated	Page		
					ø3.2	ø4
Recommended: Polyolefin	1/8			1324		
	1/4	•	•			
	3/8	•	•			
	1/2	•	•			
	Unions	•	•			
Soft Polyolefin	1/8	•	•	1327		
	1/4	•	•			
	3/8	•	•			
	1/2	•	•			
	Unions	•	•			

Fittings & Tubing



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Variations

General tubing 1.5 MPa max. at 20°C

Nylon Tubing
Series T/TIA



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
Black	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Slightly flexible 1.0 MPa max. at 20°C

Soft Nylon Tubing
Series TS/TISA



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
Black	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Flexible 0.8 MPa max. at 20°C

Polyurethane Tubing
Series TU/TIUB



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
Black	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Clear	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Orange	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Extremely flexible 0.6 MPa max. at 20°C

Soft Polyurethane Tubing
Series TUS



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
Black	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Translucent	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yellow brown	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

0.8 MPa standard type, 10 MPa for high pressure type

Hard Polyurethane Tubing
Series TH/TUH



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
Black	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Translucent	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

For flexible and moving applications

Polyurethane Coil Tubing
Series TCU



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
1 core	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

For flexible multi-tube applications

Polyurethane Flat Tubing
Series TFU



Color	Tubing O.D.														Page	
	Metric size (mm)							Inch size (inch)								
	ø2 (ø 3/32")	ø4 (ø 1/8")	ø6 (ø 1/4")	ø8 (ø 3/8")	ø10 (ø 1/2")	ø12 (ø 3/4")	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"	ø 1/2"				
2 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Related Products

Related Products:

Multi-tube Holder
Series TM



Tube Releasing Tool
Series TG



Tube Stand & Tube Reel
Series TB/TBR



Tube Cutter
Series TK



Double Layer Tube Stripper
Series TKS



Colour	Tubing O.D.										Page	
	Metric size (mm)					Inch size (inch)						
	ø4 (ø 1/2")	ø6	ø8 (ø 5/16")	ø10	ø12	ø16	ø 1/8" (ø 3.2)	ø 3/16"	ø 1/4"	ø 3/8"		ø 1/2"
	•	•	•	•	•							1348
	•	•					•	•				1348
	•	•	•	•	•							1347
	•	•	•	•	•	•	•	•	•	•	•	1347
Orange		•										1348
Yellow			•									
Blue				•								
Green					•							

Rotary Joint

Low Torque Metal Seal
Type Rotary Joint
Series MQR



Number of circuits (number of ports): 1, 2, 4, 8, 12, 16

1349

Blow Gun

Blow Gun
Series VMG



Pressure loss is less than 1%.

1352

Nozzles

Nozzles for Blowing
Series KN



Nozzle system for air blowing
and back pressure sensing.

1354