



Variations

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

One-touch Mini
Series KJ

Applicable tubing—Metric size



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

One-touch Fittings
Series KQ2

Applicable tubing—Metric size



Low-torque rotation for fast swivel and oscillating applications

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

Applicable tubing—Metric size



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



Possible to use in vacuum to -1.0 MPa

Insert Fittings
Series KF

Applicable tubing—Metric size



Tubing connection/disconnection without use of tools

Miniature Fittings
Series M

Applicable tubing—Metric size



Accepts soft copper tube

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

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
	M5	•	•	•	•				•	
	Soft nylon									
	Polyurethane	1/8	•	•	•				•	
Unions		•	•	•				•		
Nylon	M5		•	•	•				•	1266
	M6			•	•				•	
	Soft nylon	1/8	•	•	•	•	•		•	
	1/4	•	•	•	•	•	•		•	
	Polyurethane	3/8			•	•	•	•	•	
	1/2				•	•	•	•	•	
Unions		•	•	•	•	•	•	•		
Nylon	M5			•	•				•	1276
	M6			•	•				•	
	Soft nylon	1/8		•	•	•			•	
	1/4			•	•	•			•	
	Polyurethane	3/8			•	•	•		•	
	1/2				•	•	•		•	
Nylon	1/4		•	•					•	1278
	Soft nylon	3/8			•				•	
	3/8			•					•	
	Polyurethane	ø8			•				•	
ø10				•				•		
ø12					•			•		
Nylon	1/8		•	•	•				•	1280
	Soft nylon	1/4	•	•	•	•	•		•	
	3/8			•	•	•	•		•	
	Polyurethane	1/2				•	•		•	
Unions		•	•	•	•	•		•		
Nylon	M3	•	•	•					•	1284
	Soft nylon	M5	•	•	•	•			•	
	Polyurethane	1/8			•	•			•	
Nylon	1/8			•	•	•			•	1287
	Soft nylon	1/4	•	•	•	•	•		•	
	3/8			•	•	•	•		•	
	Soft copper (C1220T-0)	1/2				•	•		•	
	Unions		•	•	•	•	•		•	





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)						With seal	Electroless nickel plated	Page
	ø3.2	ø4	ø6	ø8	ø10	ø12			
Nylon Soft nylon Polyurethane Unions	M5	•	•	•	•	•	•	1290	
	1/8	•	•	•	•	•	•		
	1/4	•	•	•	•	•	•		
	3/8	•	•	•	•	•	•		
	1/2	•	•	•	•	•	•		
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		Page
		With seal	Electroless nickel plated	
	ø3.2 ø4 ø6 ø8 ø10 ø12 ø16			
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		Page
		With seal	Electroless nickel plated	
	ø3.2 ø4 ø6 ø8 ø10 ø12 ø16			
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



CAD CD-ROM AVAILABLE



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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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1330
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1330
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1330
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1330
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1330
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1330

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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1331
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1331
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1331
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1331
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1331
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1331

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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
Clear	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332
Orange	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1332

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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
Red	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
Yellow	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
Green	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
Translucent	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333
Yellow brown	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1333

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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1334
White	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1334
Blue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1334
Translucent	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1334

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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1336
2 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1336
3 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1336

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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1337
3 cores	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1337



Variations

Use in spatter generating atmosphere/
Flame resistant material

FR Soft Nylon Tubing Series TRS

Flame resistance (Equivalent to UL-94 standard, V-0)



FR Double Layer Tubing Series TRB

Flame resistance (Equivalent to UL-94 standard, V-0)



FR Double Layer Polyurethane Tubing Series TRBU

Flame resistance (Equivalent to UL-94 standard, V-0)

The outer layer for double layer tubing, Series TRB, TRBU is peeled off easily.



Double Layer Tube Stripper Series TKS



For preventing static electricity

Antistatic Polyurethane Tubing Series TAU



For preventing static electricity

Antistatic Soft Polyurethane Tubing Series TAS



Outstanding corrosion resistance.

High Purity Fluoropolymer Tubing Series TL



Clean tubing

Polyolefin Tubing Series TPH



Clean tubing

Soft Polyolefin Tubing Series TPS



Color	Tubing O.D.										Page	
	Metric size (mm)					Inch size (inch)						
	$\varnothing 4$ ($\varnothing 1/2$ "*)	$\varnothing 6$	$\varnothing 8$ ($\varnothing 3/8$ "*)	$\varnothing 10$	$\varnothing 12$	$\varnothing 16$	$\varnothing 1/8$ " ($\varnothing 3.2$)	$\varnothing 3/16$ "	$\varnothing 1/4$ "	$\varnothing 3/8$ "		$\varnothing 1/2$ "
Black	•	•	•	•	•							1338
White	•	•	•	•	•							
Red	•	•	•	•	•							
Blue	•	•	•	•	•							
Green	•	•	•	•	•							
Black	•	•	•	•	•							1339
White	•	•	•	•	•							
Red	•	•	•	•	•							
Blue	•	•	•	•	•							
Yellow	•	•	•	•	•							
Green	•	•	•	•	•							
Black	•	•	•	•	•							1340
White	•	•	•	•	•							
Red	•	•	•	•	•							
Blue	•	•	•	•	•							
Yellow	•	•	•	•	•							
Green	•	•	•	•	•							
Orange	•											1348
Yellow		•										
Blue			•									
Green				•								
Black	•	•	•	•	•							1341
Black	•	•	•	•	•							1342
Translucent	•	•	•	•	•							1343
Black	•	•	•	•	•							1345
White	•	•	•	•	•							
Red	•	•	•	•	•							
Blue	•	•	•	•	•							
Yellow	•	•	•	•	•							
Green	•	•	•	•	•							
Black	•	•	•	•	•							1346
White	•	•	•	•	•							
Red	•	•	•	•	•							
Blue	•	•	•	•	•							
Yellow	•	•	•	•	•							
Green	•	•	•	•	•							





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"	
	•	•	•	•	•						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