Global Manufacturing, Distribution and Service Network

SVC Automation • Controls • Process

Leading global pneumatics and industrial automation components manufacturer dedicated to sustainable factory automation.

Serving industries semiconductor, food & packaging, life science, automotive, machine tool, process, natural resource, and general needs for automation, controls, and process.

Global Presence

- 532 Sales Offices in 83 Countries
- Production Facilities in 29 Countries and Regions
- Technical Centers in Japan, the U.S., Europe,

Extensive Product Line

- 12,000 Basic Models with over 700,000 variations
- Actuators
- Temperature Control
- Sensors & Switches
- Valves
- Connectors
- Air Preparation • Static Control
- Process Gas Electrical Products

• Chemical Handlina Specialty Products

- 30 North American Locations
- Configure, Validate, and Download 3D & 2D CAD Models from www.smcusa.com/products/
- 2.6m sqft US headquarters of **Engineering, Production, Central Distribution and Administrative**

U.S. & Canadian Sales Offices

Austin Dallas El Paso **Los Angeles Portland** San Jose

CENTRAL Chicago

Cleveland Detroit **Des Moines Grand Rapids** Indianapolis **Kansas City** Milwaukee

St. Louis

EAST

Birmingham

Charlotte

Knoxville

New Jersey

CANADA Montreal

Rochester

Tampa

R 3/8

R 1/8

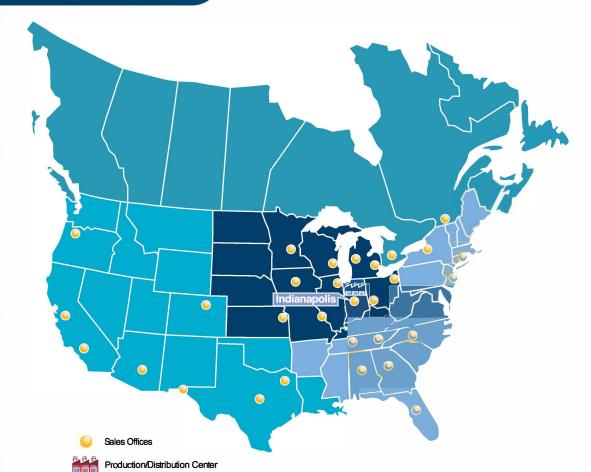
R 1/4





R 1/2

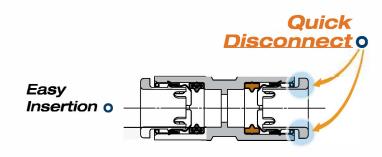






New O • Easy **Engineered** Insertion **Anchor Grip** Seal

Same Strong Hold



Forward with



NF277 (A)

Move Forward with

Move

SNC

metric metric

H Male Connector

LU Male Branch Connector
K 45 Degree Male Elbow

V Universal Maile Elbow

Female Elbow

T Male Branch Tee

Y Male Run Tee D Male Delta Union
U Branch "Y"

VF Universal Female Elbow

L Male Elbow

S Hexagon Socket Head Male Connector

VS Hexagon Socket Head Universal Male Elbow

Double Universal Male Elbow

Triple Universa Male Elbow

Branch Universal Male Elbow

ZT Triple Branch Universal Male Elbow

UD Delta Branch

E Bulkhead Union & Connector

LE Bulkhead Male Elbow

KQ2 H 06-00 A

Different Diameter Straight

Model

Straight Union

Union Elbow

Plug-in Elbow

LU Branch Enion Elbow

T Union Tee

D Delta Union

W Extended Plug-in Elbow

Different Diameter Tee

Different Diameter Cross

Different Diameter Un on "Y™

UD Different Diameter Double Union "Y"

X Different Diameter Plug-in "Y"

How to Order

KQ2 H 06-01 A S

Tube O.D. **02** Ø2 23 ø3.2 04 ø4 06 ø6 08 ø8 10 ø10 12 ø12 16 ø16

♦ Applicable Thread Type Tubing Connection 00 Same Diameter Tubing *

Thread Material/Plating Stainless Steel 303 Conmection Thread/Only Male Thread and M3)

khead DJ Interchangable with former KJE Thread Sealing Method



Applicable Tubing O.D.

Tube O.D.

 02
 Ø2

 23
 Ø3.2

 04
 Ø4

 06
 Ø6

 08
 Ø8

 10
 Ø10

 12
 Ø12

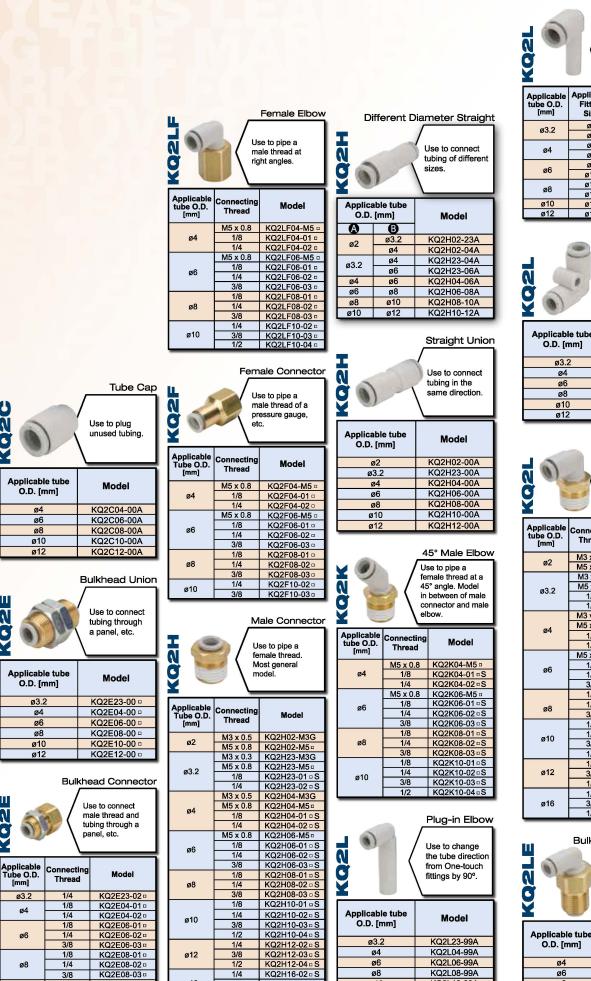
 16
 Ø16

00 Same Diameter Tub ng99 Same Diameter Rod Different Diameter Tubing (Reducer)

and Complete

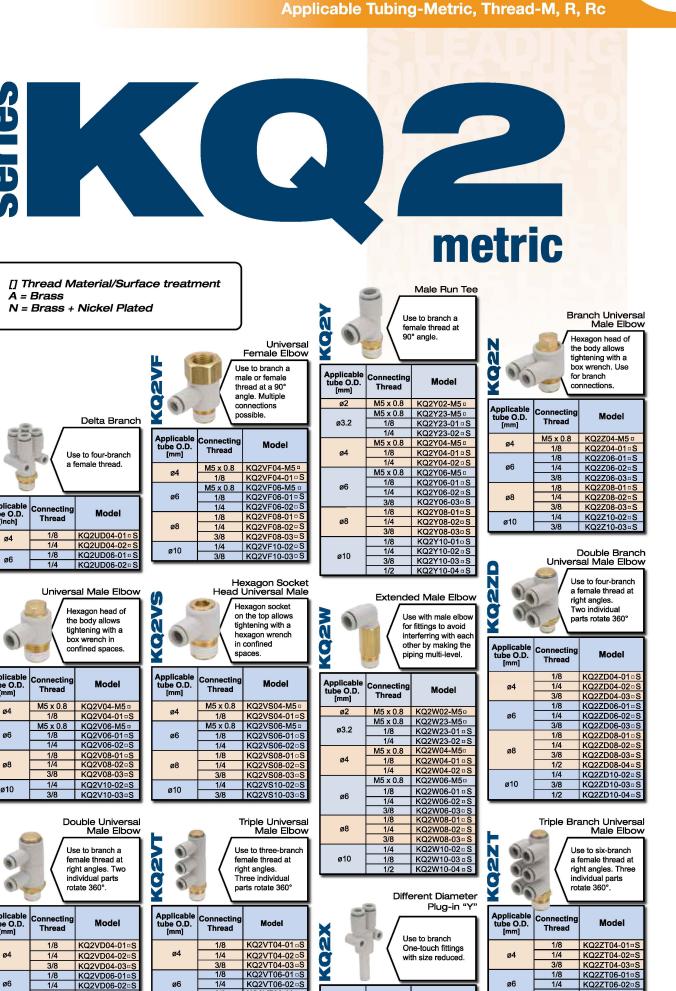
www.smcusa Information: 3

O



Reducer Elbow Use to change the			
tube direction from One-touch fittings by 90° and to reduce size.	Nipple Use to connect	Different Diameter Tee	
oplicable Applicable be O.D. Fitting Model	Use to connect One-touch fittings.	Use to connect tubing for branching at 90° angle with size	Union "Y"
ø3.2	Applicable tube O.D. [mm] Model	reduced from the same piping. Applicable tube	Use to branch tubing in the
## ## ## ## ## ## ## ## ## ## ## ## ##	 ø4 KQ2N04-99 ø6 KQ2N06-99 ø8 KQ2N08-99 	O.D. [mm] Model Run Branch ø6 ø4 KQ2T06-04A ø8 ø6 KQ2T08-06A	same direction.
ø12 KQ2L08-12A ø10 ø12 KQ2L10-12A ø12 ø16 KQ2L12-16A	ø10 KQ2N10-99 Plug	ø10 ø8 KQ2T10-08A Union Tee	Applicable tube Model
Union Elbow Use to connect	Use to plug unused One-touch	Use to branch tubing at both	ø3.2 KQ2U23-00A ø4 KQ2U04-00A ø6 KQ2U06-00A ø8 KQ2U08-00A
One-touch fittings.	fittings.	90° angles.	ø10 KQ2U10-00A ø12 KQ2U12-00A
Applicable tube O.D. [mm] Model	Applicable tube O.D. [mm] Model Ø2 KJP-02	Applicable tube O.D. [mm] Model KQ2T02-00A	Different Diameter Union "Y"
ø3.2 KQ2L23-00A ø4 KQ2L04-00A ø6 KQ2L06-00A	ø3.2 KQ2P-23 ø4 KQ2P-04 ø6 KQ2P-06 ø8 KQ2P-08	ø3.2 KQ2T23-00A ø4 KQ2T04-00A ø6 KQ2T06-00A	Use to connect tubing for branching with size reduced.
ø8 KQ2L08-00A ø10 KQ2L10-00A ø12 KQ2L12-00A	ø10 KQ2P-10 Plug-in Reducer	ø8 KQ2T08-00A ø10 KQ2T10-00A ø12 KQ2T12-00A	Applicable tube O.D. [mm] Model
Male Elbow Use to pipe a	Use to change size of One-touch	Male Branch Tee Use to branch a	Ax2 B ø2 ø3.2 KQ2U02-23A ø2 ø4 KQ2U02-04A ø3.2 ø4 KQ2U23-04A
female thread at right angles. Most general model.	fittings.	female thread at both 90° angles.	ø4 ø6 KQ2U04-06A ø6 ø8 KQ2U06-08A ø8 ø10 KQ2U08-10A
pplicable be O.D. Thread Model	Applicable tube 0.D. Fitting Size Model Model Mod	Applicable tube O.D. Connecting Thread Model	ø10 ø12 KQ2U10-12A ø12 ø16 KQ2U12-16A Branch "Y"
ø2 M3 x 0.5 KQ2L02-M3G M5 x 0.8 KQ2L02-M5 =	ø3.2	ø2 M3 x 0.5 KQ2T02-M3G M5 x 0.8 KQ2T02-M5 □	
ø3.2 M3 x0.5 KQ2L23-M3G M5 x0.8 KQ2L23-M5 □ 1/8 KQ2L23-01 □ S 1/4 KQ2L23-02 □ S	### ### ### ##########################	93.2 M3 x 0.5 KQ2T23-M3G M5 x 0.8 KQ2T23-M5 c 1/8 KQ2T23-01 c S 1/4 KQ2T23-02 c S	Use to branch a female thread.
ø4 M3 v 0.5 KQ2L04-M3G M5 x 0.8 KQ2L04-M5 □ 1/8 KQ2L04-01 □ S 1/4 KQ2L04-02 □ S	ø8 KQ2R06-08A ø10 KQ2R06-10A ø12 KQ2R06-12A	M3 x 0.5 KQ2T04-M3G M5 x 0.8 KQ2T04-M5 = 1/8 KQ2T04-01 = S 1/4 KQ2T04-02 = S	Applicable tube O.D. Thread Model
ø6	### ### ### ### ### ##################	66 M5 x 0.8 KQ2T06-M5 □ 1/8 KQ2T06-01 □ S 1/4 KQ2T06-02 □ S 3/8 KQ2T06-03 □ S	ø3.2 M5 x 0.8 KQ2U23-M5 = 1/8 KQ2U23-01 = S 1/4 KQ2U23-02 = S
1/8 KQ2L08-01 □ S 1/4 KQ2L08-02 □ S	ø12 ø16 KQ2R12-16A	88 1/4 KQ2T08-01□S KQ2T08-02□S	M5 x 0.8 KQ2U04-M5□ 84 1/8 KQ2U04-01□S
### 3/8 KQ2L08-03 = S 1/8 KQ2L10-01 = S 1/4 KQ2L10-02 = S 3/8 KQ2L10-03 = S	Hexagon Socket Head Male Connector	9/8 KQ2T08-03 n S 1/8 KQ2T10-01 n S 1/4 KQ2T10-02 n S 3/8 KQ2T10-03 n S	1/4 KQ2U04-02-s M5 x 0.8 KQ2U06-M5- 1/8 KQ2U06-01-s 1/4 KQ2U06-02-s
## ## ## ## ## ## ## ## ## ## ## ## ##	Internal hexagon socket allows tightening with a hexagon wrench in	1/2 KQ2T10-04 °S 1/4 KQ2T12-02 °S 912 3/8 KQ2T12-03 °S 1/2 KQ2T12-04 °S	3/8 KQ2U06-03 = S 1/8 KQ2U08-01 = S 88 1/4 KQ2U08-02 = S 3/8 KQ2U08-03 = S
1/4 KQ2L16-02 □ S Ø16 3/8 KQ2L16-03 □ S	hexagon wrench in confined spaces.	1/4 KQ2T16-02□S ø16 3/8 KQ2T16-03□S	## ## ## ## ## ## ## ## ## ## ## ## ##
1/2 KQ2L16-04 s	Applicable tube O.D. Connecting Thread Model	1/2 KQ2T16-04 a S	1/2 KQ2U10-04 s Plug-in "Y"
Use to connect tubing through	ø3.2 M5 x 0.8 KQ2S23-M5□ ø4 M5 x 0.8 KQ2S04-M5□ 1/8 KQ2S04-01□S		
a panel, etc. and to change the	M5 x 0.8 KQ2S06-M5 ⁻ 1/8 KQ2S06-01-S	Use to four-branch line.	Use to branch One-touch fittings.
tube direction by 90°.	1/4 KQ2S06-02 S 1/8 KQ2S08-01 S Ø8 1/4 KQ2S08-02 S	g Number	One-touch fittings.

Applicable tube O.D. [mm]



Metric Size One-Touch Fittings

































