



#### Características

Las conexiones instantáneas permiten realizar una conexión o desconexión a mano y sin herramientas. Aptas para cualquier instalación neumática, son aplicables en todo tipo de industria.

Las condiciones técnicas de utilización dependen básicamente de la calidad y el diámetro del tubo utilizado, de la temperatura ambiente y la del fluido conducido, así como de la calidad de los materiales que componen el conector.

#### Prestaciones

-Paso total: la sujeción del tubo se hace por su exterior, sin ninguna restricción en la sección de paso.

-Estanqueidad automática: gracias a la junta tórica del interior del conector.

-Gran facilidad de conexión gracias a la optimización de la técnica de pinzado.

-Instalación inmediata gracias a la junta tórica alojada en una ranura, sin riesgo de desplazamiento en el apriete (modelos con rosca G).

-Conexión y desconexión inmediatas, a mano y sin herramientas.

-Tamaño optimizado y formas exteriores rediseñadas, para lograr el máximo de ergonomía y estética en las instalaciones.

-Uso con diferentes tipos de tubos: poliamida - poliuretano flexible (ver página 8.1.8.1).

-Pueden roscarse y desenroscarse un ilimitado número de veces, por tener rosca cilíndrica y estanqueidad por asiento plano (modelos con rosca G), o por capa de PTFE sellante (modelos con rosca R).

#### MiCRO ofrece 3 series de conectores:

Rosca cilíndrica G (BSPP). Presión de trabajo máx.: 10bar, serie 441

Rosca cónica R (BSPT). Presión de trabajo máx.: 10bar, serie 451

Rosca cilíndrica G (BSPP). Compactos. Presión de trabajo máx.: 20bar, serie 431

Fluido.....	Aire comprimido - Agua				
Presión de trabajo .....	0...10 bar (0...145 psi)				
Presión máxima adm.....	15 bar (217 psi)				
Temperatura (utilización)	-20...80 °C (-4...176 °F)				
Resistencia al vacío.....	- 1 bar (-14,5 psi)				
Roscas de conexión .....	Cilíndrica (G)				
Torque (kgf.cm).....	M5	1/8"	1/4"	3/8"	1/2"
	1,7Nm	8 Nm	13 Nm	23 Nm	29Nm
Materiales.....	Cuerpo de latón niquelado y resina PBT, arandela de retención de acero inoxidable, juntas de NBR				



Códigos en **Negrita**: entrega inmediata, salvo ventas.

#### Conector recto rosca G



ØR	ØD	x1	x10	x50	x100
M 3	4	<b>0.451.010.409</b>	<b>0.451.010.409/010</b>	<b>0.451.010.409/050</b>	<b>0.451.010.409/100</b>
M 5	4	<b>0.451.010.419</b>	<b>0.451.010.419/010</b>	<b>0.451.010.419/050</b>	<b>0.451.010.419/100</b>
M 5	6	0.451.010.619	0.451.010.619/010	0.451.010.619/050	0.451.010.619/100
G 1/8"	4	0.441.010.410	0.441.010.410/010	0.441.010.410/050	0.441.010.410/100
G 1/8"	6	<b>0.441.010.610</b>	<b>0.441.010.610/010</b>	<b>0.441.010.610/050</b>	<b>0.441.010.610/100</b>
G 1/8"	8	0.441.010.810	0.441.010.810/010	0.441.010.810/050	0.441.010.810/100
G 1/8"	10	<b>0.441.011.010</b>	<b>0.441.011.010/010</b>	<b>0.441.011.010/050</b>	<b>0.441.011.010/100</b>
G 1/4"	4	0.441.010.413	0.441.010.413/010	0.441.010.413/050	0.441.010.413/100
G 1/4"	6	0.441.010.613	0.441.010.613/010	0.441.010.613/050	0.441.010.613/100
G 1/4"	8	<b>0.441.010.813</b>	<b>0.441.010.813/010</b>	<b>0.441.010.813/050</b>	<b>0.441.010.813/100</b>
G 1/4"	10	0.441.011.013	0.441.011.013/010	0.441.011.013/050	0.441.011.013/100
G 1/4"	12	0.441.011.213	0.441.011.213/010	0.441.011.213/050	0.441.011.213/100
G 3/8"	8	0.441.010.817	0.441.010.817/010	0.441.010.817/050	0.441.010.817/100
G 3/8"	10	<b>0.441.011.017</b>	<b>0.441.011.017/010</b>	<b>0.441.011.017/050</b>	<b>0.441.011.017/100</b>
G 3/8"	12	0.441.011.217	0.441.011.217/010	0.441.011.217/050	0.441.011.217/100
G 1/2"	12	<b>0.441.011.221</b>	<b>0.441.011.221/010</b>	<b>0.441.011.221/050</b>	<b>0.441.011.221/100</b>
G 1/2"	14	0.441.011.421	0.441.011.421/010	0.441.011.421/050	0.441.011.421/100
G 1/2"	16	0.441.011.621	0.441.011.621/010	0.441.011.621/050	0.441.011.621/100

### Conector orientable a 90° rosca G



ØR	ØD	x1	x10	x50	x100
M 3	4	<b>0.451.990.409</b>	<b>0.451.990.409/010</b>	<b>0.451.990.409/050</b>	<b>0.451.990.409/100</b>
M 5	4	<b>0.451.990.419</b>	<b>0.451.990.419/010</b>	<b>0.451.990.419/050</b>	<b>0.451.990.419/100</b>
M 5	6	0.451.990.619	0.451.990.619/010	0.451.990.619/050	0.451.990.619/100
G 1/8"	4	0.441.990.410	0.441.990.410/010	0.441.990.410/050	0.441.990.410/100
G 1/8"	6	<b>0.441.990.610</b>	<b>0.441.990.610/010</b>	<b>0.441.990.610/050</b>	<b>0.441.990.610/100</b>
G 1/8"	8	0.441.990.810	0.441.990.810/010	0.441.990.810/050	0.441.990.810/100
G 1/4"	4	0.441.990.413	0.441.990.413/010	0.441.990.413/050	0.441.990.413/100
G 1/4"	6	0.441.990.613	0.441.990.613/010	0.441.990.613/050	0.441.990.613/100
G 1/4"	8	<b>0.441.990.813</b>	<b>0.441.990.813/010</b>	<b>0.441.990.813/050</b>	<b>0.441.990.813/100</b>
G 1/4"	10	0.441.991.013	0.441.991.013/010	0.441.991.013/050	0.441.991.013/100
G 3/8"	8	0.441.990.817	0.441.990.817/010	0.441.990.817/050	0.441.990.817/100
G 3/8"	10	<b>0.441.991.017</b>	<b>0.441.991.017/010</b>	<b>0.441.991.017/050</b>	<b>0.441.991.017/100</b>
G 3/8"	12	0.441.991.217	0.441.991.217/010	0.441.991.217/050	0.441.991.217/100
G 1/2"	12	<b>0.441.991.221</b>	<b>0.441.991.221/010</b>	<b>0.441.991.221/050</b>	<b>0.441.991.221/100</b>
G 1/2"	14	0.441.991.421	0.441.991.421/010	0.441.991.421/050	0.441.991.421/100
G 1/2"	16	0.441.991.621	0.441.991.621/010	0.441.991.621/050	0.441.991.621/100

### Conector T orientable rosca G



ØR	ØD	x1	x10	x50	x100
M 5	4	<b>0.451.980.419</b>	<b>0.451.980.419/010</b>	<b>0.451.980.419/050</b>	<b>0.451.980.419/100</b>
M 5	6	0.451.980.619	0.451.980.619/010	0.451.980.619/050	0.451.980.619/100
G 1/8"	4	0.441.980.410	0.441.980.410/010	0.441.980.410/050	0.441.980.410/100
G 1/8"	6	<b>0.441.980.610</b>	<b>0.441.980.610/010</b>	<b>0.441.980.610/050</b>	<b>0.441.980.610/100</b>
G 1/8"	8	0.441.980.810	0.441.980.810/010	0.441.980.810/050	0.441.980.810/100
G 1/4"	4	0.441.980.413	0.441.980.413/010	0.441.980.413/050	0.441.980.413/100
G 1/4"	6	0.441.980.613	0.441.980.613/010	0.441.980.613/050	0.441.980.613/100
G 1/4"	8	<b>0.441.980.813</b>	<b>0.441.980.813/010</b>	<b>0.441.980.813/050</b>	<b>0.441.980.813/100</b>
G 1/4"	10	0.441.981.013	0.441.981.013/010	0.441.981.013/050	0.441.981.013/100
G 3/8"	8	0.441.980.817	0.441.980.817/010	0.441.980.817/050	0.441.980.817/100
G 3/8"	10	<b>0.441.981.017</b>	<b>0.441.981.017/010</b>	<b>0.441.981.017/050</b>	<b>0.441.981.017/100</b>
G 3/8"	12	0.441.981.217	0.441.981.217/010	0.441.981.217/050	0.441.981.217/100
G 1/2"	12	<b>0.441.981.221</b>	<b>0.441.981.221/010</b>	<b>0.441.981.221/050</b>	<b>0.441.981.221/100</b>
G 1/2"	14	0.441.981.421	0.441.981.421/010	0.441.981.421/050	0.441.981.421/100
G 1/2"	16	0.441.981.621	0.441.981.621/010	0.441.981.621/050	0.441.981.621/100

### Unión doble hembra



ØD	x1	x10	x50	x100
4	<b>0.451.060.400</b>	<b>0.451.060.400/010</b>	<b>0.451.060.400/050</b>	<b>0.451.060.400/100</b>
6	<b>0.451.060.600</b>	<b>0.451.060.600/010</b>	<b>0.451.060.600/050</b>	<b>0.451.060.600/100</b>
8	<b>0.451.060.800</b>	<b>0.451.060.800/010</b>	<b>0.451.060.800/050</b>	<b>0.451.060.800/100</b>
10	<b>0.451.061.000</b>	<b>0.451.061.000/010</b>	<b>0.451.061.000/050</b>	<b>0.451.061.000/100</b>
12	<b>0.451.061.200</b>	<b>0.451.061.200/010</b>	<b>0.451.061.200/050</b>	<b>0.451.061.200/100</b>
14	0.451.061.400	0.451.061.400/010	0.451.061.400/050	0.451.061.400/100
16	0.451.061.600	0.451.061.600/010	0.451.061.600/050	0.451.061.600/100

### Codo igual



ØD	x1	x10	x50	x100
4	<b>0.451.020.400</b>	<b>0.451.020.400/010</b>	<b>0.451.020.400/050</b>	<b>0.451.020.400/100</b>
6	<b>0.451.020.600</b>	<b>0.451.020.600/010</b>	<b>0.451.020.600/050</b>	<b>0.451.020.600/100</b>
8	<b>0.451.020.800</b>	<b>0.451.020.800/010</b>	<b>0.451.020.800/050</b>	<b>0.451.020.800/100</b>
10	<b>0.451.021.000</b>	<b>0.451.021.000/010</b>	<b>0.451.021.000/050</b>	<b>0.451.021.000/100</b>
12	<b>0.451.021.200</b>	<b>0.451.021.200/010</b>	<b>0.451.021.200/050</b>	<b>0.451.021.200/100</b>
14	0.451.021.400	0.451.021.400/010	0.451.021.400/050	0.451.021.400/100
16	0.451.021.600	0.451.021.600/010	0.451.021.600/050	0.451.021.600/100

Códigos en **Negrita**: entrega inmediata, salvo ventas.

#### Conector T igual



ØD	x1	x10	x50	x100
4	<b>0.451.040.400</b>	<b>0.451.040.400/010</b>	<b>0.451.040.400/050</b>	<b>0.451.040.400/100</b>
6	<b>0.451.040.600</b>	<b>0.451.040.600/010</b>	<b>0.451.040.600/050</b>	<b>0.451.040.600/100</b>
8	<b>0.451.040.800</b>	<b>0.451.040.800/010</b>	<b>0.451.040.800/050</b>	<b>0.451.040.800/100</b>
10	<b>0.451.041.000</b>	<b>0.451.041.000/010</b>	<b>0.451.041.000/050</b>	<b>0.451.041.000/100</b>
12	<b>0.451.041.200</b>	<b>0.451.041.200/010</b>	<b>0.451.041.200/050</b>	<b>0.451.041.200/100</b>
14	0.451.041.400	0.451.041.400/010	0.451.041.400/050	0.451.041.400/100
16	0.451.041.600	0.451.041.600/010	0.451.041.600/050	0.451.041.600/100

#### Reductor para tubo



ØD <sub>1</sub>	ØD <sub>2</sub>	x1	x10
4	6	<b>0.451.660.406</b>	<b>0.451.660.406/010</b>
4	8	<b>0.451.660.408</b>	<b>0.451.660.408/010</b>
6	8	<b>0.451.660.608</b>	<b>0.451.660.608/010</b>
6	10	0.451.660.610	0.451.660.610/010
6	12	0.451.660.612	0.451.660.612/010
8	10	<b>0.451.660.810</b>	<b>0.451.660.810/010</b>
8	12	<b>0.451.660.812</b>	<b>0.451.660.812/010</b>
10	12	<b>0.451.661.012</b>	<b>0.451.661.012/010</b>

#### Conector orientable a 45° rosca G



ØR	ØD	x1	x10
G 1/8"	4	0.441.330.410	0.441.330.410/010
G 1/8"	6	<b>0.441.330.610</b>	<b>0.441.330.610/010</b>
G 1/8"	8	0.441.330.810	0.441.330.810/010
G 1/4"	6	0.441.330.613	0.441.330.613/010
G 1/4"	8	<b>0.441.330.813</b>	<b>0.441.330.813/010</b>
G 1/4"	10	0.441.331.013	0.441.331.013/010
G 3/8"	10	<b>0.441.331.017</b>	<b>0.441.331.017/010</b>
G 3/8"	12	0.441.331.217	0.441.331.217/010
G 1/2"	12	<b>0.441.331.221</b>	<b>0.441.331.221/010</b>

#### Codo hembra universal rosca G



Tienen una rosca hembra en la parte superior igual a la rosca macho inferior.

ØR	ØD	x1	x10
G 1/8"	4	0.441.240.410	0.441.240.410/010
G 1/8"	6	<b>0.441.240.610</b>	<b>0.441.240.610/010</b>
G 1/4"	6	0.441.240.613	0.441.240.613/010
G 1/4"	8	<b>0.441.240.813</b>	<b>0.441.240.813/010</b>
G 3/8"	8	0.441.240.817	0.441.240.817/010
G 3/8"	10	<b>0.441.241.017</b>	<b>0.441.241.017/010</b>
G 1/2"	10	0.441.241.021	0.441.241.021/010
G 1/2"	12	<b>0.441.241.221</b>	<b>0.441.241.221/010</b>

#### Conector cruz igual



ØD	x1	x10
4	<b>0.451.070.400</b>	<b>0.451.070.400/010</b>
6	<b>0.451.070.600</b>	<b>0.451.070.600/010</b>
8	<b>0.451.070.800</b>	<b>0.451.070.800/010</b>

Códigos en **Negrita**: entrega inmediata, salvo ventas.

### Cupla doble macho



ØD	x1	x10
4	<b>0.451.200.400</b>	<b>0.451.200.400/010</b>
6	<b>0.451.200.600</b>	<b>0.451.200.600/010</b>
8	<b>0.451.200.800</b>	<b>0.451.200.800/010</b>
10	<b>0.451.201.000</b>	<b>0.451.201.000/010</b>
12	<b>0.451.201.200</b>	<b>0.451.201.200/010</b>

### Pasachapa



ØD	M	x1	x10
4	M12	<b>0.451.160.400</b>	<b>0.451.160.400/010</b>
6	M14	<b>0.451.160.600</b>	<b>0.451.160.600/010</b>
8	M16	<b>0.451.160.800</b>	<b>0.451.160.800/010</b>
10	M20	<b>0.451.161.000</b>	<b>0.451.161.000/010</b>
12	M22	<b>0.451.161.200</b>	<b>0.451.161.200/010</b>

### Conector Y (3 bocas hembra)



ØD1 (1x)	ØD2 (2x)	x1	x10
4	4	<b>0.451.400.400</b>	<b>0.451.400.400/010</b>
6	6	<b>0.451.400.600</b>	<b>0.451.400.600/010</b>
8	6	<b>0.451.400.608</b>	<b>0.451.400.608/010</b>
8	8	<b>0.451.400.800</b>	<b>0.451.400.800/010</b>
10	10	<b>0.451.401.000</b>	<b>0.451.401.000/010</b>

### Conector Y (2 bocas hembra, 1 macho)



ØD1 (1x)	ØD2 (2x)	x1	x10
4	4	<b>0.451.420.400</b>	<b>0.451.420.400/010</b>
6	4	<b>0.451.420.406</b>	<b>0.451.420.406/010</b>

### Conector multi-T



ØD1 (2x)	ØD2 (3x)	x1	x10
6	4	<b>0.453.040.604</b>	<b>0.453.040.604/010</b>
8	4	<b>0.453.040.804</b>	<b>0.453.040.804/010</b>
8	6	<b>0.453.040.806</b>	<b>0.453.040.806/010</b>
10	6	<b>0.453.041.006</b>	<b>0.453.041.006/010</b>
10	8	<b>0.453.041.008</b>	<b>0.453.041.008/010</b>

### Tapón enchufable



ØD	x1	x10
4	<b>0.451.260.400</b>	<b>0.451.260.400/010</b>
6	<b>0.451.260.600</b>	<b>0.451.260.600/010</b>
8	<b>0.451.260.800</b>	<b>0.451.260.800/010</b>
10	<b>0.451.261.000</b>	<b>0.451.261.000/010</b>
12	<b>0.451.261.200</b>	<b>0.451.261.200/010</b>
14	<b>0.451.261.400</b>	<b>0.451.261.400/010</b>
16	<b>0.451.261.600</b>	<b>0.451.261.600/010</b>

Códigos en **Negrita**: entrega inmediata, salvo ventas.

Fluido..... Aire comprimido - Agua  
 Presión de trabajo ..... 0...10 bar (0...145 psi)  
 Presión máxima adm..... 15 bar (217 psi)  
 Temperatura (utilización) -20...80 °C (-4...176 °F)  
 Resistencia al vacío..... - 1 bar (-14,5 psi)  
 Roscas de conexión ..... Cónica R  
 Torque (kgf.cm)..... 1/8" 1/4" 3/8" 1/2"  
 8 Nm 13 Nm 23 Nm 29Nm  
 Materiales..... Cuerpo de latón niquelado y resina PBT,  
 pinza de acero inoxidable, juntas de NBR,  
 capa de PTFE (en rosca cónica)



### Conector recto rosca R



ØR	ØD	x1	x10	x50	x100
R 1/8"	4	0.451.010.410	0.451.010.410/010	0.451.010.410/050	0.451.010.410/100
R 1/8"	6	0.451.010.610	0.451.010.610/010	0.451.010.610/050	0.451.010.610/100
R 1/8"	8	0.451.010.810	0.451.010.810/010	0.451.010.810/050	0.451.010.810/100
R 1/4"	4	0.451.010.413	0.451.010.413/010	0.451.010.413/050	0.451.010.413/100
R 1/4"	6	0.451.010.613	0.451.010.613/010	0.451.010.613/050	0.451.010.613/100
R 1/4"	8	0.451.010.813	0.451.010.813/010	0.451.010.813/050	0.451.010.813/100
R 1/4"	10	0.451.011.013	0.451.011.013/010	0.451.011.013/050	0.451.011.013/100
R 3/8"	8	0.451.010.817	0.451.010.817/010	0.451.010.817/050	0.451.010.817/100
R 3/8"	10	0.451.011.017	0.451.011.017/010	0.451.011.017/050	0.451.011.017/100
R 3/8"	12	0.451.011.217	0.451.011.217/010	0.451.011.217/050	0.451.011.217/100
R 1/2"	12	0.451.011.221	0.451.011.221/010	0.451.011.221/050	0.451.011.221/100

### Conector orientable a 90° rosca R



ØR	ØD	x1	x10	x50	x100
R 1/8"	4	0.451.990.410	0.451.990.410/010	0.451.990.410/050	0.451.990.410/100
R 1/8"	6	0.451.990.610	0.451.990.610/010	0.451.990.610/050	0.451.990.610/100
R 1/8"	8	0.451.990.810	0.451.990.810/010	0.451.990.810/050	0.451.990.810/100
R 1/4"	4	0.451.990.413	0.451.990.413/010	0.451.990.413/050	0.451.990.413/100
R 1/4"	6	0.451.990.613	0.451.990.613/010	0.451.990.613/050	0.451.990.613/100
R 1/4"	8	0.451.990.813	0.451.990.813/010	0.451.990.813/050	0.451.990.813/100
R 1/4"	10	0.451.991.013	0.451.991.013/010	0.451.991.013/050	0.451.991.013/100
R 3/8"	8	0.451.990.817	0.451.990.817/010	0.451.990.817/050	0.451.990.817/100
R 3/8"	10	0.451.991.017	0.451.991.017/010	0.451.991.017/050	0.451.991.017/100
R 3/8"	12	0.451.991.217	0.451.991.217/010	0.451.991.217/050	0.451.991.217/100
R 1/2"	12	0.451.991.221	0.451.991.221/010	0.451.991.221/050	0.451.991.221/100

### Conector T orientable rosca R



ØR	ØD	x1	x10	x50	x100
R 1/8"	4	0.451.980.410	0.451.980.410/010	0.451.980.410/050	0.451.980.410/100
R 1/8"	6	0.451.980.610	0.451.980.610/010	0.451.980.610/050	0.451.980.610/100
R 1/8"	8	0.451.980.810	0.451.980.810/010	0.451.980.810/050	0.451.980.810/100
R 1/4"	6	0.451.980.613	0.451.980.613/010	0.451.980.613/050	0.451.980.613/100
R 1/4"	8	0.451.980.813	0.451.980.813/010	0.451.980.813/050	0.451.980.813/100
R 1/4"	10	0.451.981.013	0.451.981.013/010	0.451.981.013/050	0.451.981.013/100
R 3/8"	8	0.451.980.817	0.451.980.817/010	0.451.980.817/050	0.451.980.817/100
R 3/8"	10	0.451.981.017	0.451.981.017/010	0.451.981.017/050	0.451.981.017/100
R 3/8"	12	0.451.981.217	0.451.981.217/010	0.451.981.217/050	0.451.981.217/100