



ENGLISH  
ITALIANO  
DEUTSCHE  
FRANÇAIS  
ESPAÑOL  
PORTUGUÊS

# Datasheet

## NICKEL-PLATED BRASS ADAPTORS

*RACCORDI FILETTATI*

*GEWINDEVERSCHRAUBUNGEN*

*ACCESSOIRES DE RACCORDEMENT- ADAPTATEURS LAITON*

*RACORDAJE ROSCADO*

*ACESSÓRIOS ROSCADOS EM LATÃO NIQUELADO*



IT

Con prestazioni importanti in termini di pressioni e temperature (+300°C), sono realizzati in una ampia gamma base. Filettature BSPT, BSPP e Metriche.

Completano la gamma un'importante serie di manifold di distribuzione in alluminio e di silenzianti in bronzo sinterizzato e materiali plastici.

### Principali vantaggi

- Gamma completa M5 - 1"
- Filettati e portagomma
- Compatibilità numerosi fluidi industriali
- Robustezza meccanica
- Versione attacchi a baionetta standard
- Silicon Free

### Applicazioni

- Aria Compressa
- Automazione Pneumatica
- Circuiti acqua industriale
- Gas inerti, vapore, fluidi
- Vuoto

GB

Countless configurations in multiple sizes: nipples, reductions, plugs, T, L, hose adaptors.

High performances in pressure and temperatures (+300°C).

Sharp threads BSPT, BSPP & Metric.

Aluminium manifolds and silencers complete the range.

### Main advantages

- Complete Range M5 - 1"
- All Fluids compatible
- Mechanical Resistance
- Standard and Bayonet connection
- Silicon Free

### Applications

- Compressed Air
- Pneumatic Automation
- Industrial water circuits
- Inert Gases, Fluids, Steam
- Vacuum

DE

Unzählige Konfigurationen in verschiedenen Größen: Nippel, Reduzierungen, Stopfen, T- und L-Verschraubungen, Schlauchtüllen, etc. Hohe Leistungen im Druck- und Temperaturbereich (+ 300 °C).

Präzise Gewinde: BSPT, BSPP und metrisch. Verteilerblöcke aus Aluminium und Schalldämpfer runden das Angebot ab

### Hauptvorteile

- Vollständiges Sortiment M5 - 1"
- Kompatibel mit allen Medien
- Mechanische Festigkeit
- Standard and Bajonett Anschluss
- Silikonfrei

### Anwendungen

- Druckluft
- Pneumatische Automation
- Industrielle Wasserkreisläufe
- Inertgase, Flüssigkeiten, Dampf
- Vakuum

FR

Performances élevées en terme de pression et de température (+ 300 °C).

Filetages BSPT, BSPP et métrique.

Les nourrices de distribution en aluminium et les silencieux complètent la gamme.

### Principaux avantages

- Gamme complète M5 - 1"
- Tous fluides compatibles
- Résistance mécanique
- Standard et raccords Baionnettes
- Sans silicone

### Applications

- Air comprimé
- Automatismes pneumatiques
- Circuits d'eau industrielle
- Gaz neutres, vapeur
- Vide

ES

Con importantes prestaciones en términos de presión y temperatura (+300°C), son realizados en una amplia gama base. Roscas BSPT, BSPP y Métricas.

Completan la gama una importante serie de regletas de distribución en aluminio y de silenciadores en bronce sinterizado y material plástico.

### Principales ventajas

- Gama completa M5-1" – roscados y espiga
- Compatibilidad con numerosos fluidos industriales
- Robustez mecánica
- Versión conexión a bayoneta standard
- Libres de silicona

### Aplicaciones

- Aire comprimido
- Automatización neumática
- Circuitos de agua industrial
- Gases inertes, vapor, fluidos
- Vacío

PT

Incontáveis configurações em diversos tamanhos: niples, reduções, plugs, T, L, Espigões para mangueiras.

Itens para alta pressão e alta temperatura (+300°C). Roscas precisas: BSPT, BSPP & Métrica, manifolds em alumínio e silenciadores completas o range de produtos.

### Principais vantagens

- Completo Range de tamanhos : de M5 a 1"
- Compatível com todos os fluidos
- Resistência Mecânica
- Conexões do tipo standard e baioneta
- Livre de Silicone

### Aplicações

- Ar Comprimido
- Automação Pneumática
- Circuitos de Água Industrial
- Gases Inertes, Fluidos, Vapor
- Vácuo



**CARATTERISTICHE TECNICHE**

TECHNICAL CHARACTERISTICS  
 TECHNISCHE ANGABEN  
 CARACTÉRISTIQUES TECHNIQUES  
 CARACTERÍSTICAS TÉCNICAS  
 CARACTERÍSTICAS TÉCNICAS



**Norma di Riferimento**

Reference standard

Entspricht der Norm

Norme de référence

Normativa de referencia

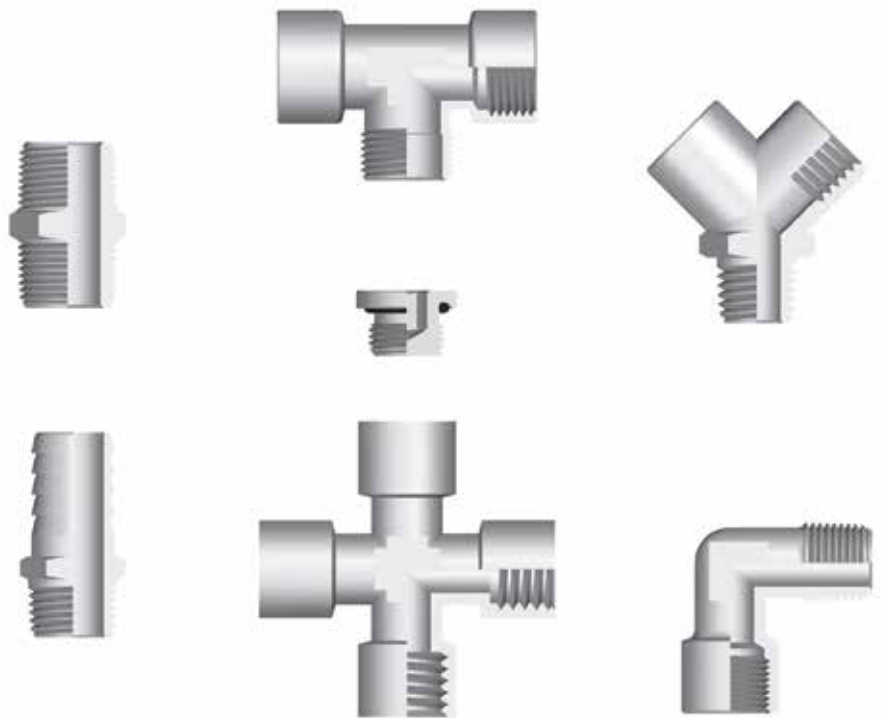
Norma de referência

1907/2006  
**REACH** ✓

2011/65/CE  
**RoHS** ✓

PED  
 2014/68/UE

SILICON  
 FREE



**Materiali e Componenti**

IT

La maggior parte degli articoli di questa serie è composta da un unico particolare in OT UNI EN 12164/5 CW 614/7N e subisce un trattamento galvanico di nichelatura. Articoli prodotti in materiali diversi, verranno specificati all' interno del catalogo.

**Component Parts and Materials**

GB

The main part of these fittings is made in OT UNI EN 12164/5 CW 614/7N and undergo to a nickel-plating process. Different materials will be specified in the catalogue.

**Komponenten und Materialien**

DE

Die meisten Artikel in dieser Serie werden aus OT UNI EN 12164/5 CW 614/7N hergestellt und werden einer Nickel Oberflächenbehandlung unterzogen. Wenn Artikel mit anderen Materialien hergestellt sind, so wird das im Katalog direkt beim Produkt angegeben.

**Matériaux et Composants**

FR

La majeure partie des raccords de ce chapitre est fabriquée en laiton OT UNI EN 12164/5 CW 614/7N et traités par nickelage. Les autres matériaux sont précisés dans le catalogue sous l'article concerné.

**Materiales y Componentes**

ES

La mayor parte de los artículos de esta serie está compuesta de un solo material latón (OT UNI EN 12164/5 CW 614/7N) sometido a un tratamiento galvanico de niquelatura. Artículos producidos en materiales diversos, vendrán especificados al interior del catálogo.

**Materiais e Componentes**

PT

A maior parte dos itens desta série é fabricada em OT UNI EN 12164/5 CW 614/7N e passa por um tratamento galvanico de niquelamento. Itens produzidos com materiais diferentes, estarão especificados no catálogo.



Misura  
 Size  
 Grösse  
 Dimensions  
 Medida  
 Tamanho

Pressione consigliata  
 Pressure advised  
 Empfohlener druck  
 Pression conseillée  
 Presión recomendada  
 Pressão aconselhada

1/8	-0.99 bar ~ 150 bar
1/4	-0.99 bar ~ 100 bar
3/8	-0.99 bar ~ 75 bar
1/2	-0.99 bar ~ 50 bar
3/4	-0.99 bar ~ 85 bar
1"	-0.99 bar ~ 80 bar



**Temperature massima**

Maximum temperature

Maximum temperatur

Température maximale

Temperatura máxima

Temperatura máxima

**+ 300 °C**


**Fluidi compatibili**

Acqua / Olio / Aria compressa

Fluidi in genere per l'impiantistica idraulica, oleodinamica, idropneumatica, ecc.

**Fluids**

Water / Oils / Compressed air

Fluids in general for the hydraulic, pneumatic and oildynamic plants etc.

**Geeignete Medien**

Wasser / Oel / Druckluft

Medien im Allgemeinen für hydraulische-, hydropneumatische- und pneumatische Anlagen, usw.

**Fluides compatibles**

Eau / Huile / Air comprimé

Fluides courants utilisés en hydraulique et pneumatique, etc.

**Fluidos compatibles**

Agua / Aceite / Aire comprimido

Fluidos en general para los campos hidráulicos, neumáticos y oleodinámicos, etc.

**Fluidos compatíveis**

Água / Óleo / Ar comprimido

Fluidos em geral para aplicações hidráulicas, oleodinâmicas, hidropneumáticas, etc.


**Tubi di Collegamento**
**IT**

Tubi e raccordi in genere.

**Connection Tubes**
**GB**

Tubes and fittings in general.

**Geeignete Rohre**
**DE**

Rohre und Verschraubungen im Allgemeinen.

**Tubes Conseillés**
**FR**

Raccords et tubes compatibles.

**Tubos de Conexión**
**ES**

Tubo y racordaje en general.

**Tubos de Conexão**
**PT**

Tubos e conexões em geral.


**Filettatura**
**IT**

 Gas conica conforme ISO 7.1, BS 21, DIN 2999.  
 Gas cilindrica conforme ISO 228 Classe A.  
 Metrica conforme ISO R/262.  
 NPTF conforme ANSI B1.20.5

**Threads**
**GB**

 Tapered gas in conformity with ISO 7.1, BS 21, DIN 2999.  
 Parallel gas in conformity with ISO 228 Class A.  
 Metric in conformity with ISO R/262.  
 NPTF in conformity with ANSI B1.20.5

**Gewindearten**
**DE**

 Konisches Gewinde nach Norm ISO 7.1, BS 21, DIN 2999.  
 Zylindrisches Gewinde nach Norm ISO 228 Classe A.  
 Metrisches Gewinde nach Norm ISO R/262.  
 NPTF nach norm ANSI B1.20.5

**Filetages**
**FR**

 Filetage conique conforme: ISO 7.1, BS 21, DIN 2999.  
 Filetage cylindrique conforme: ISO 228 Class A.  
 Filetage métrique conforme: ISO R/262.  
 NPTF conforme: ANSI B1.20.5

**Roscas**
**ES**

 Gas cónica conforme ISO 7.1, BS 21, DIN 2999.  
 Gas cilíndrica conforme ISO 228 Clase A.  
 Métrica conforme ISO R/262.  
 NPTF conforme ANSI B1.20.5

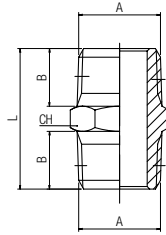
**Roscas**
**PT**

 Gas cónica conforme ISO 7.1, BS 21, DIN 2999.  
 Gas paralela conforme ISO 228 Classe A.  
 Métrica conforme ISO R/262.  
 NPTF conforme ANSI B1.20.5

### NIPPLE (TAPER)

#### NIPLO CONICO

DOPPELNIPPEL KONISCH  
MAMELON DOUBLE CONIQUE  
MACHÓN CÓNICO  
NIPLÉ COM ROSCA CÔNICA

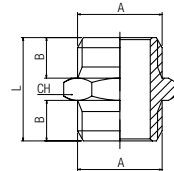


Code	A	B	L	CH	Pack.
176-0978	1/8	7.5	19.5	12	10
176-0979	1/4	11	27	14	10
176-0980	3/8	11.5	28	17	10
176-0981	1/2	14	33.5	22	10
176-0982	3/4	16.5	40	27	10
176-0984	1"	19	46.5	34	10

### NIPPLE (PARALLEL)

#### NIPLO CILINDRICO

DOPPELNIPPEL ZYLINDRISCH  
MAMELON DOUBLE, CYLINDRIQUE  
MACHÓN CILÍNDRICO  
NIPLÉ COM ROSCA PARALELA

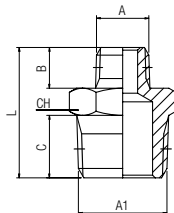


Code	A	B	L	CH	Pack.
176-2133	M5	4	11.5	8	10
176-0985	1/8	6	16.5	14	10
176-0986	1/4	8	21	17	10
176-0987	3/8	9	23	19	10
176-0988	1/2	10	25.5	24	10

### REDUCING NIPPLE (TAPER)

#### NIPLO DI RIDUZIONE CONICO

DOPPELNIPPEL REDUZIIERT KONISCH  
MAMELON DOUBLE INÉGAL, CONIQUE  
MACHÓN CÓNICO DE REDUCCIÓIN  
NIPLÉ DE REDUÇÃO COM ROSCA CÔNICA

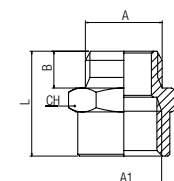


Code	A	A1	B	C	L	CH	Pack.
176-0995	1/8	1/4	7.5	11	23.5	14	10
176-0989	1/8	3/8	7.5	11.5	24	17	10
176-0990	1/4	3/8	11	11.5	27.5	17	10
176-0991	1/4	1/2	11	14	30.5	22	10
176-0992	3/8	1/2	11.5	14	31	22	10
176-0993	1/2	3/4	14	16.5	37.5	27	10
176-0994	3/4	1"	16.5	19	44	34	10

### REDUCER (PARALLEL)

#### RIDUZIONE CILINDRICA

VERGRÖSSERUNG ZYLINDRISCH  
GROSSISSEUR, CYLINDRIQUE  
UNIÓN CILÍNDRICA MACHO - HEMBRA  
REDUÇÃO COM ROSCA PARALELA

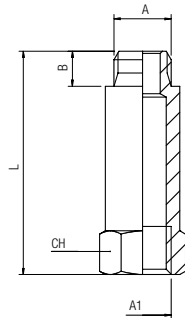


Code	A	A1	B	L	CH	Pack.
176-2134	M5	1/8	4	14.5	14	10
176-0996	1/8	1/8	6	17	14	10
176-1004	1/8	1/4	6	20.5	17	10
176-0997	1/8	3/8	6	21.5	22	10
176-0998	1/4	1/4	8	22.5	17	10
176-1000	1/4	3/8	8	23.5	22	10
176-1001	1/4	1/2	8	26.5	26	10
176-1002	3/8	3/8	9	24.5	22	10
176-1003	3/8	1/2	9	27.5	26	10

### EXTENSION (PARALLEL)

#### PROLUNGA CILINDRICA

VERLÄNGERUNG ZYLINDRISCH  
RALLONGE ÉGALE, CYLINDRIQUE  
PROLONGACIÓN CILÍNDRICA  
PROLONGAMENTO COM ROSCA PARALELA

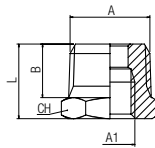


Code	A	A1	L	B	CH	Pack.
176-1005	1/8	1/8	22	6	14	10
176-1008	1/8	1/8	32	6	14	10
176-1006	1/4	1/4	35	8	17	10
176-1007	1/4	1/4	51	8	17	10

### REDUCER (TAPER)

#### RIDUZIONE CONICA

REDUZIERUNG KONISCH  
RÉDUCTION, CONIQUE  
REDUCCIÓN CÓNICA  
REDUÇÃO COM ROSCA CÔNICA

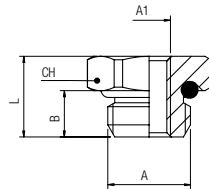


Code	A	A1	B	L	CH	Pack.
176-1010	1/4	1/8	11	16	14	10
176-1011	3/8	1/8	11.5	16.5	17	10
176-1012	3/8	1/4	11.5	16.5	17	10
176-1013	1/2	1/4	14	19.5	22	10
176-1014	1/2	3/8	14	19.5	22	10
176-1016	3/4	3/8	16.5	23.5	27	10
176-1017	3/4	1/2	16.5	23.5	27	10

### REDUCER (PARALLEL) WITH NBR O-RING

#### RIDUZIONE CILINDRICA CON O-RING NBR

REDUZIERUNG ZYLINDRISCH MIT NBR O-RING  
RÉDUCTION CYLINDRIQUE AVEC JOINT TORIQUE NBR  
REDUCCIÓN CILÍNDRICA CON TORICA NBR  
REDUÇÃO COM ROSCA PARALELA COM ROSCA PARALELA E O-RING NBR



Code	A	A1	B	L	CH	R	C	Pack.
176-1018	1/8	M5	5,4	9,4	13	8	3	10
176-1026	1/4	M5	7	11	16	20	6	10
176-1019	1/4	1/8	5,5	11,1	16	20	6	10
176-1020	3/8	1/8	6,5	12,6	20	70	10	10
176-1022	3/8	1/4	6,5	12,6	20	40	9	10
176-1027	1/2	1/8	9,5	14,5	25	130	12	10
176-1023	1/2	1/4	9,6	14,6	25	130	12	10
176-1024	1/2	3/8	9,6	14,6	25	110	12	10
176-1028	3/4	1/4	11	16	34	130	12	10
176-1029	3/4	3/8	11	16	34	130	12	10
176-1025	3/4	1/2	11,1	16	34	110	12	10

R = Coppia di rottura (Nm)

Breaking Torque (Nm)

Abscherdrehmoment (Nm)

Couple de Rupture (Nm)

Par de Ruptura (Nm)

Torque de Ruptura (Nm)

C = Coppia consigliata

Recommended Torque (Nm)

Empfohlenes Drehmoment (Nm)

Couple de Serrage (Nm)

Par Aconsejado (Nm)

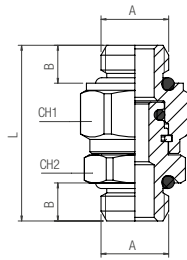
Torque Recomendado (Nm)

	min	max
Temperature	- 20 °C	+ 80 °C

**MALE ORIENTING NIPPLE WITH OR (PARALLEL)**

**NIPPLO MASCHIO CILINDRICO ORIENTABILE CON OR**

DOPPELNIPPEL ZYLINDRISCH EINSTELLBAR  
 MAMELON DOUBLE ORIENTABLE BSPP AVEC JOINT TORIQUE  
 UNIÓN MACHO CILÍNDRICO ORIENTABLE CON OR  
 NIPLA MACHO ROSCA PARALELA ORIENTÁVEL COM O-RING



Code	A	B	L	CH1	CH2	Pack.
176-1030	1/8	5,5	25	14	13	10
176-1031	1/4	7	29	17	16	10
176-1032	3/8	8	33	20	20	10
176-1033	1/2	9,5	37	25	25	10
176-1034	3/4	11	48,5	34	34	10

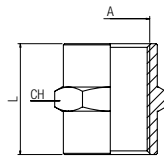
Articolo non nichelato.  
 Article not nichel-plated.  
 Artikel nicht vernickelt.  
 Article non nickelé.  
 Artículo no niquelado.  
 Item não niquelado.

	min	max
Temperature	- 20 °C	+ 80 °C

**SLEEVE**

**MANICOTTO**

MUFFE  
 MANCHON  
 MANGUITO  
 LUVA

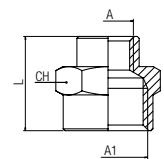


Code	A	L	CH	Pack.
176-2135	M5	11	8	10
176-1035	1/8	15	14	10
176-1036	1/4	22	17	10
176-1038	3/8	24	22	10
176-1039	1/2	30	26	10
176-1040	3/4	32	32	10

**REDUCING SLEEVE**

**MANICOTTO DI RIDUZIONE**

MUFFE REDUZIERT  
 MANCHON INÉGAL  
 MANGUITO DE REDUÇÃO  
 LUVA DE REDUÇÃO

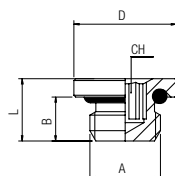


Code	A	A1	L	CH	Pack.
176-2136	M5	1/8	13	14	10
176-1047	1/8	1/4	19	17	10
176-1041	1/8	3/8	20	22	10
176-1042	1/4	3/8	23	22	10
176-1044	1/4	1/2	25	24	10
176-1045	3/8	1/2	27,5	24	10
176-1046	1/2	3/4	30	30	10

**MALE PLUG (PARALLEL) WITH EXAGON EMBEDDED AND NBR O-RING**

**TAPPO MASCHIO CILINDRICO ESAGONO INCASSATO CON O-RING NBR**

GEWINDESTOPFEN ZYLINDRISCH INNENSECHSKANT MIT O-RING NBR  
 BOUCHON À 6 PANS CREUX MÂLE, CYLINDRIQUE AVEC JOINT NBR  
 TAPÓN MACHO CILÍNDRICO HEXÁGONO INTERIOR CON TÓRICA NBR  
 TAMPÃO MACHO COM ROSCA PARALELA E SEXTAVADO INTERNO (O-RING EM NBR)



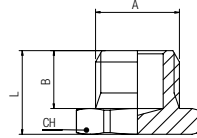
Code	A	B	L	D	CH	Pack.
176-2137	M5	4	6	8	2	10
176-1048	1/8	6	8.5	14	5	10
176-1049	1/4	8	11	17	6	10
176-1050	3/8	9	12.5	20	8	10
176-1051	1/2	10	13.5	25	10	10

	min	max
Temperature	- 20 °C	+ 80 °C

**MALE PLUG (PARALLEL)**

**TAPPO MASCHIO CILINDRICO**

GEWINDESTOPFEN ZYLINDRISCH  
BOUCHON À 6 PANS MÂLE, CYLINDRIQUE  
TAPÓN MACHO CILÍNDRICO  
TAMPÃO MACHO COM ROSCA PARALELA



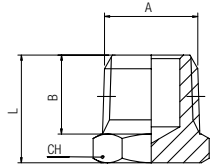
Code	A	B	L	CH	Pack.
<b>176-1052</b>	<b>1/8</b>	6,5	10	14	10
<b>176-1053</b>	<b>1/4</b>	9	13	17	10

\* Installabile anche con cacciavite  
Can be also installed with a screwdriver  
Kann auch mit einem Schraubendreher angebracht werden  
Peut être installé avec un tournevis  
Se puede instalar con destornillador  
Pode ser instalado com chave de fenda

**MALE PLUG (TAPER)**

**TAPPO MASCHIO CONICO**

GEWINDESTOPFEN KONISCH  
BOUCHON À 6 PANS MÂLE, CÔNIQUE  
TAPÓN MACHO CÓNICO  
TAMPÃO MACHO CÔNICA

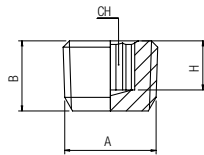


Code	A	B	L	CH	Pack.
<b>176-1052</b>	<b>1/4</b>	11	15	14	10
<b>176-1053</b>	<b>3/8</b>	11,5	15,5	17	10

**MALE PLUG (TAPER)**

**TAPPO MASCHIO CONICO**

GEWINDESTOPFEN KONISCH  
BOUCHON À 6 PANS CREUX, CONIQUE  
TAPÓN MACHO CÓNICO HEXÁGONO INTERIOR  
TAMPÃO MACHO COM ROSCA CÔNICA

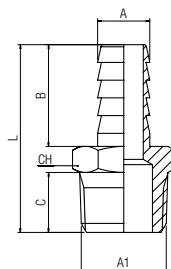


Code	A	B	H	CH	Pack.
<b>176-1054</b>	<b>1/8</b>	7,5	5	5	10
<b>176-1055</b>	<b>1/4</b>	10	7	6	10
<b>176-1056</b>	<b>3/8</b>	11	7	8	10
<b>176-1057</b>	<b>1/2</b>	13	8	10	10

**MALE HOSE ADAPTER (TAPER)**

**PORTAGOMMA MASCHIO CONICO**

SCHLAUCHTÜLLE AUSSENGEW. KONISCH  
DOUILLE ANNELÉE, CONIQUE  
ESPIGA MACHO CÔNICA  
ESPIGÃO COM ROSCA MACHO CÔNICA



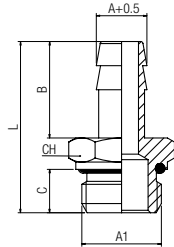
Code	A	A1	B	C	L	CH	Pack.
<b>176-2014</b>	<b>4</b>	<b>1/8</b>	19,5	7,5	32	12	10
<b>176-2015</b>	<b>6</b>	<b>1/8</b>	19,5	7,5	32	12	10
<b>176-2017</b>	<b>7</b>	<b>1/8</b>	19,5	7,5	32	12	10
<b>176-2016</b>	<b>7</b>	<b>1/4</b>	19,5	11	35,5	14	10
<b>176-2020</b>	<b>10</b>	<b>1/8</b>	19,5	7,5	32	12	10
<b>176-2021</b>	<b>10</b>	<b>1/4</b>	19,5	11	35,5	14	10
<b>176-2022</b>	<b>10</b>	<b>3/8</b>	19,5	11,5	36	17	10
<b>176-2023</b>	<b>12</b>	<b>3/8</b>	19,5	11,5	36	17	10
<b>176-2025</b>	<b>16</b>	<b>3/8</b>	19,5	11,5	36	17	10
<b>176-2026</b>	<b>16</b>	<b>1/2</b>	19,5	14	39	22	10
<b>176-2027</b>	<b>16</b>	<b>3/4</b>	19,5	16,5	43,5	27	10
<b>176-2028</b>	<b>18</b>	<b>3/8</b>	19,5	11,5	36	19	10
<b>176-2030</b>	<b>18</b>	<b>1/2</b>	19,5	14	39	22	10
<b>176-2029</b>	<b>18</b>	<b>3/4</b>	19,5	16,5	43,5	27	10
<b>176-2019</b>	<b>25</b>	<b>3/4</b>	30	14,5	51,5	27	10
<b>176-2031</b>	<b>25</b>	<b>1"</b>	30	16	53,5	34	10



### MALE HOSE ADAPTER (PARALLEL) WITH O-RING

#### PORTAGOMMA MASCHIO CILINDRICO CON O-RING

SCHLAUCHTÜLLE AUSSENGEW. ZYLINDRISCH MIT O-RING  
DOUILLE ANNELÉE, CYLINDRIQUE AVEC JOINT TORIQUE  
ESPIGA MACHO CILÍNDRICA CON TÓRICA  
ESPIGÃO COM ROSCA MACHO PARALELA E O-RING



Code	A	A1	B	C	L	CH	Pack.
176-2038	6	1/4	20	8	34.5	16	10
176-2032	7	1/4	20	8	34.5	16	10
176-2033	8	1/8	20	6	31	13	10
176-2034	8	1/4	20	8	34.5	16	10
176-2039	8	3/8	20	9	35.5	19	10
176-2040	10	1/4	20	8	34.5	16	10
176-2041	10	3/8	24	9	39.5	19	10
176-2042	10	1/2	22	10	39.5	24	10
176-2035	12	1/4	20	8	34.5	16	10
176-2037	13	1/2	22	10	39.5	24	10
176-2036	17	1/2	24	10	41.5	24	10



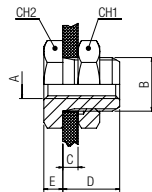
Temperature

min - 20 °C  
max + 80 °C

### BULKHEAD CONNECTOR

#### RACCORDO DI ATTRAVERSAMENTO

SCHOTTVERSCHRAUBUNG  
TRAVERSÉE DE CLOISON  
RACOR PASATABIQUES  
CONEXÃO PASSA-MURO

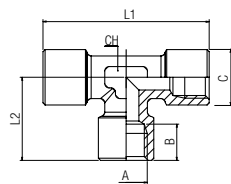


Code	A	B	C max	D	E	CH1	CH2	Pack.
176-2043	M5	M10x1	7	10.5	3.5	14	14	10
176-2044	1/8	M16x1.5	10	14	4	22	19	10
176-2045	1/4	M20x1.5	16	21	4	27	24	10
176-2046	3/8	M26x1.5	15	21	5	32	30	10

### FEMALE TEE

#### RACCORDO A T FEMMINA

T-VERSCHRAUBUNG INNENGEW.  
TÉ ÉGAL FEMELLE  
RACOR A T HEMBRA  
CONEXÃO EM "T" COM ROSCA FÊMEA

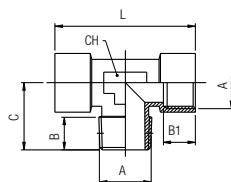


Code	A	B	L2	L1	C	CH	Pack.
176-1058	1/8	8.5	19.5	39	13	12	10
176-1060	1/4	11	24.5	49	16.5	13	10
176-1061	3/8	12	27	54	20.5	16	10
176-1062	1/2	15	32	64	25.5	20	10
176-1063	3/4	16.5	36.5	73	32.5	27	10

### CENTRE LEG MALE TEE

#### RACCORDO A T MASCHIO CENTRALE

T-VERSCHRAUBUNG AUSSENGEW. MITTIG  
TÉ ÉGAL FEMELLE, CENTRE MÂLE  
RACOR A T MACHO CENTRAL  
CONEXÃO EM "T" COM ROSCA MACHO CENTRAL



Code	A	B	B1	C	L	CH	Pack.
176-1064	1/8	8	8.5	17.5	39	12	10
176-1066	1/4	11	11	23	49	13	10
176-1067	3/8	11.5	1.2	25.5	54	16	10
176-1068	1/2	14	15	29.5	64	20	10
176-1069	3/4	14.5	16.5	32	73	27	10
176-1070	1"	16.8	19	39	90	30	5

### OFF SET MALE TEE

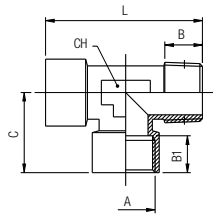
#### RACCORDO A T MASCHIO LATERALE

T-VERSCHRAUBUNG AUSSENGEW. SEITLICH

TÉ ÉGAL FEMELLE, EN BOUT MÂLE

RACOR A T MACHO LATERAL

CONEXÃO EM "T" COM ROSCA MACHO LATERAL



Code	A	B	B1	C	L	CH	Pack.
176-1071	1/8	8	8.5	19.5	37	12	10
176-1072	1/4	11	11	24.5	47.5	13	10
176-1073	3/8	11.5	12	27	52.5	16	10
176-1074	1/2	14	15	32	61.5	20	10

### MALE ELBOW

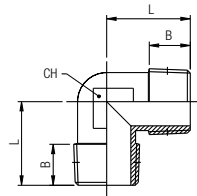
#### RACCORDO A L MASCHIO

WINKELVERSCHRAUBUNG AUSSENGEW.

EQUERRE MÂLE

RACOR A L MACHO

CONEXÃO EM "L" COM ROSCA MACHO



Code	A	B	L	CH	Pack.
176-1075	1/8	7.5	18	11	10
176-1076	1/4	11	24	13	10
176-1077	3/8	12	27	17	10
176-1078	1/2	14	29.5	20	10

### FEMALE ELBOW

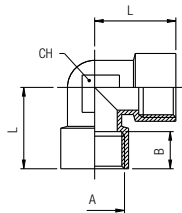
#### RACCORDO A L FEMMINA

WINKELVERSCHRAUBUNG INNENGEW.

EQUERRE FEMELLE

RACOR A L HEMBRA

CONEXÃO EM "L" COM ROSCA FÊMEA



Code	A	B	L	CH	Pack.
176-1079	1/8	8.5	21	11	10
176-1080	1/4	11	25.5	13	10
176-1081	3/8	11.5	28	17	10
176-1082	1/2	15	32	20	10
176-1083	3/4	16.5	36.5	27	10

### MALE-FEMALE ELBOW

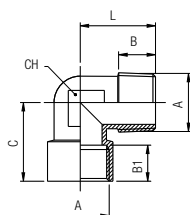
#### RACCORDO A L MASCHIO-FEMMINA

WINKELVERSCHRAUBUNG AUSSEN-/INNENGEW.

EQUERRE MÂLE-FEMELLE

RACOR A L MACHO - HEMBRA

CONEXÃO EM "L" MACHO-FÊMEA

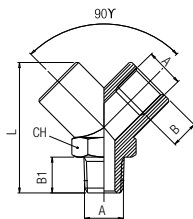


Code	A	B	B1	C	L	CH	Pack.
176-1084	1/8	7.5	8.5	21	18	11	10
176-1085	1/4	11	11	25.5	24	13	10
176-1086	3/8	11.5	12	28	27	17	10
176-1088	1/2	14	15	32	29.5	20	10
176-1089	3/4	14.5	16.5	36.5	32	27	10

### CENTRAL MALE Y 90°

#### RACCORDO A Y 90° MASCHIO CENTRALE

Y-VERSCHRAUBUNG 90° AUSSEN-/INNENGEW.  
 Y ÉGAL À 90° MALE AU CENTRE  
 RACOR A Y 90° MACHO CENTRAL  
 CONEXÕES EM "Y" 90° ROSCA MACHO CENTRAL

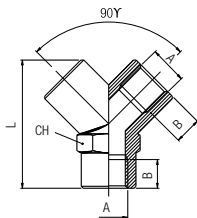


Code	A	B	B1	L	CH	Pack.
176-1090	1/4	11	11	37	17	10
176-1091	3/8	11.5	12.5	46	22	10
176-1092	1/2	14	16.5	58	26	10

### FEMALE Y 90°

#### RACCORDO A Y 90° FEMMINA

Y-VERSCHRAUBUNG 90° INNENGEW.  
 Y ÉGAL FEMELLE  
 RACOR A Y 90° HEMBRA  
 CONEXÃO EM "Y" COM ROSCA FÊMEA

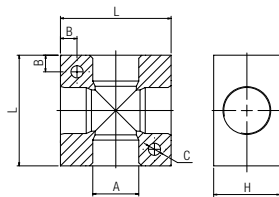


Code	A	B	L	CH	Pack.
176-1094	1/8	8.5	33	14	10
176-1095	1/4	11	37	17	10
176-1096	3/8	11.5	46	22	10
176-1097	1/2	14	58	26	10

### ALUMINIUM TEE CROSS

#### RACCORDO A CROCE IN ALLUMINIO

KREUZVERTEILER AUS ALUMINIUM  
 CROIX DE DISTRIBUTION EN ALUMINIUM  
 RACOR A CRUZ EN ALUMINIO  
 CONEXÃO CRUZETA EM ALUMÍNIO

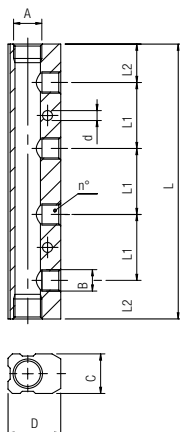


Code	A	L	H	B	C	Pack.
176-1098	1/4	40	20	6.5	5.5	10
176-1099	3/8	50	25	7.5	5.5	5
176-1101	1/2	50	30	7.5	5.5	5

### ALUMINIUM DISTRIBUTION MANIFOLD

#### RIPARTITORE IN ALLUMINIO

VERTEILERBLOCK AUS ALUMINIUM  
 NOURRICE DE DISTRIBUTION EN ALUMINIUM  
 REGLETA SIMPLE EN ALUMINIO  
 DISTRIBUIDOR EM ALUMÍNIO

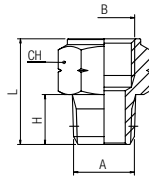


Code	A	B	n°	C	D	L1	L2	L	d	Pack.
176-1102	3/8	1/4	3	22	30	36	20	112	5.5	5
176-1103	3/8	1/4	4	22	30	36	20	148	5.5	5
176-1104	3/8	1/4	6	22	30	36	20	220	5.5	5

**ADAPTER FEMALE BSP - MALE NPTF**

**ADATTATORE FEMMINA CILINDRICO - MASCHIO NPTF**

GEWINDESTUTZEN IG BSP - AG NPTF  
 ADAPTATEUR FEMELLE BSP - MÂLE NPTF  
 ADAPTADOR HEMBRA CILÍNDRICO BSP - MACHO NPTF  
 ADAPTADOR FÊMEA COM ROSCA PARALELA BSP - MACHO NPTF

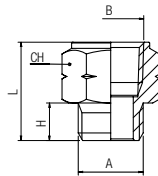


Code	A NPTF	B G	H	L	CH	Pack.
176-1113	1/8	1/8	8.5	19.5	14	10
176-1114	1/4	1/4	13	27	17	10
176-1115	3/8	3/8	13	28	22	10

**ADAPTER FEMALE NPTF - MALE G THREAD**

**ADATTATORE FEMMINA NPTF - MASCHIO CILINDRICO**

GEWINDESTUTZEN IG NPTF - AG BSP  
 ADAPTATEUR FEMELLE NPTF - MÂLE BSP  
 ADAPTADOR HEMBRA NPTF - MACHO BSP  
 ADAPTADOR FÊMEA NPTF - MACHO BSP



Code	A G	B NPTF	H	L	CH	Pack.
176-1117	1/8	1/8	6	17	14	10
176-1118	1/4	1/4	8	23	17	10
176-1119	3/8	3/8	9	24	22	10
176-1120	1/2	1/2	12	31.5	27	10

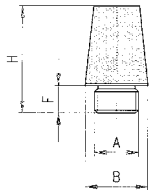
**dB\***

Livello di rumore in (dB) a 6 bar - Noise level in (dB) at 6 bar - Geräuschpegel (dB) bei 6 bar  
 Niveau sonore (dB) à 6 bar - Nivel de ruido en (dB) a 6 bar - Nivel de ruído em (dB) a 6 bar

**SILENCER**

**SILENZIATORE**

SCHALLDÄMPFER  
 SILENCIEUX D'ÉCHAPPEMENT  
 SILENCIADOR  
 SILENCIADOR



Code	A	F	B	H	dB*	Pack.
176-2273	1/8	4.5	12.5	21	81	10
176-2274	1/4	6	15	25	83	10
176-2275	3/8	8.5	19	34.5	87	10
176-2277	1/2	8	23	43	90	10
176-2278	3/4	9	30	50	92 a 4 Bar	10

min max



Temperature

- 10 °C + 80 °C



Pressure

10 bar



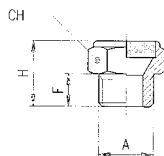
Soglia di filtrazione - Filtration threshold - Filterfeinheit  
 Capacité de filtration - Grado de filtración - Limite de filtragem

50 µm

**SILENCER**

**SILENZIATORE**

SCHALLDÄMPFER  
 SILENCIEUX D'ÉCHAPPEMENT  
 SILENCIADOR  
 SILENCIADOR



Code	A	F	H	CH	dB*	Pack.
176-2279	1/8	6	14	13	73	10
176-2280	1/4	7	17	16	74	10
176-2281	3/8	8	18	19	85	10
176-2282	1/2	10	20	24	89	10

min max



Temperature

- 10 °C + 80 °C



Pressure

12 bar



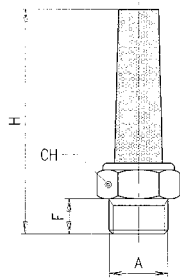
Soglia di filtrazione - Filtration threshold - Filterfeinheit  
 Capacité de filtration - Grado de filtración - Limite de filtragem

100 µm

**SILENCER**

**SILENZIATORE**

SCHALLDÄMPFER  
SILENCIEUX D'ÉCHAPPEMENT  
SILENCIADOR  
SILENCIADOR



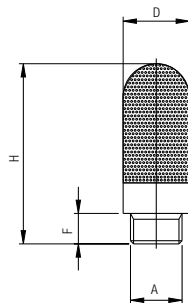
Code	A	F	H	CH	dB*	Pack.
176-2283	1/8	6	44	13	76	10
176-2284	1/4	7	50	16	75	10
176-2285	3/8	8	54	19	88	10
176-2286	1/2	9	67	24	89	10

	min	max
<b>Temperature</b>	- 10 °C	+ 80 °C
<b>Pressure</b>	12 bar	
<b>Soglia di filtrazione - Filtration threshold - Filterfeinheit</b> <i>Capacité de filtration - Grado de filtración - Limite de filtragem</i>	36 µm	

**POROUS POLYETHYLENE SILENCER**

**SILENZIATORE IN POLIETILENE**

SCHALLDÄMPFER POLYETHYLEN  
SILENCIEUX EN POLYÉTHYLÈNE  
SILENCIADOR EN POLIETILENO  
SILENCIADOR EM POLIETILENO

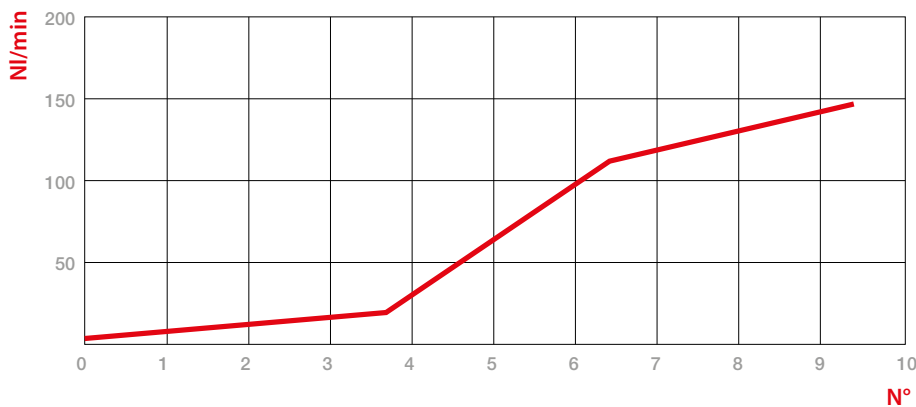


Code	A	F	H	D	Pack.
176-2287	M5	4	23	6.5	10
176-2288	1/8	6	34	12.5	10
176-2289	1/4	7	42.5	15.5	10
176-2290	3/8	11.5	67.5	18.5	10
176-2291	1/2	11	78	23.5	10

	min	max
<b>Temperature</b>	- 15 °C	+ 100 °C
<b>Pressure</b>	10 bar	
<b>Soglia di filtrazione - Filtration threshold - Filterfeinheit</b> <i>Capacité de filtration - Grado de filtración - Limite de filtragem</i>	75 µm	

**GRAFICO SILENZIATORE 7110 1/4 - PRESSIONE A 0.254 BAR**

TEST GRAPH 7110 1/4" - 0.254 BAR PRESSURE  
GRAFIK FÜR 7110 1/4 - 0.254 BAR DRUCK  
GRAPHIQUE POUR 7110 1/4 - 0.254 BAR PRESSION  
GRÁFICA PARA 7110 1/4 - 0.254 BAR DE PRESIÓN  
GRÁFICO PARA 7110 1/4 - 0.254 BAR DE PRESSÃO



**NI/min**  
Portata  
Flow  
Durchfluss  
Débit  
Caudal  
Vazão

**N°**  
Giri vite di regolazione  
Adjustment screw turns  
Umderhungen an der einstellnadel  
Nombre de tours de réglage  
Giros de tornillo regulador  
Numero de voltas agulha ajuste

**IT**  
L'unione di un'accurata e facile regolazione con gli elementi dei silenziatori porosi in polietilene aumenta quelle che sono le prestazioni di questo articolo, le cui caratteristiche sono riportate nel grafico.

**GB**  
The combination of accurate and easy adjustment with the porous polyethylene silencing increase the performance of this article, which characteristics are shown in the diagram.

**DE**  
Die Kombination von präziser und einfacher Regulierung, mit einem Schalldämpfer aus porösem Polyethylen, erhöhen die Leistungsfähigkeit dieses Artikels, dessen Merkmale im folgenden Diagramm dargestellt werden:

**FR**  
Le réglage précis et facile du silencieux en polyéthylène permet d'augmenter les performances de cet article. Ces performances sont indiquées dans le diagramme.

**ES**  
La unión de una curada y fácil regulación con los elementos del silenciador poroso en polietileno aumentan las prestaciones de este artículo, las características del cual son representadas en el gráfico adjunto.

**PT**  
A união de uma precisa e fácil regulagem aos elementos silenciadores porosos em polietileno aumenta significativamente a performance do silenciador, cujas características podem ser verificadas no gráfico ao lado.