

Kunststoff Flip

Verschraubungen

**Materiale plastico
Flip**

Raccordi

Plastic Flip

























Unions



Übersicht

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Führungshülse / Guida / Guide
Spannange / Pinza / Chuck
 Verwendung von Nylon- und Polyurethanschläuchen
 Hohe Rückhaltekraft
 Consente l'uso di tubi in nylon, nylon morbido e poliuretano
 Presenta un'elevata forza di ritegno
 Accepts nylon, soft nylon and polyurethane tubes
 Has large retaining force

Druckring / Anello di rilascio / Release button
 Leicht lösbar
 Der Druckring löst die Spannange zum Abnehmen des Schlauchs und verhindert, dass die Spannange zu tief in die Schlauchoberfläche eindringt.
 L'anello di rilascio sblocca la pinza per rimuovere il tubo ed evita che la pinza penetri troppo profondamente nella superficie del tubo.
 Low disconnection force
 The release button unblocks the chuck for removing the hose and prevents the chuck from penetrating too deeply into the hose surface.

Dichtung / Guarnizione / Seal
 Für grossen Druckbereich von 1 bar bis 10 bar geeignet. Die Spezialdichtung gewährleistet gute Dichtheit, verbunden mit geringem Widerstand beim Einfügen des Schlauches.
 Può essere utilizzato per una vasta gamma di pressioni da 1 bar a 10 bar. L'uso di un guarnizione speciale garantisce una buona tenuta ed una minore resistenza durante l'inserimento del tubo.
 Can be used for a wide range of pressure 1 bar to 10 bar. The use of a special seal ensures positive sealing and reduced resistance when the tube is being inserted.

Kunststoffschlauch / Tubo in plastica / Plastic tube
 (nur kalibrierte Schläuche verwenden)
 (usare solo tubi calibrati)
 (use only calibrated tubes)

Körper / Corpo / Body
O-Ring / O-ring / O-ring
Anschlussgewinde / Filetto di collegamento / Connection thread

- Kleiner Einbauraum
- Schwenkbarer Körper
- Mit Dichtung (M5 zylindrisch) oder PTFE beschichtet (R 1/8 konisch)
- Efficace negli spazi ridotti
- Corpo girevole
- Con O-ring (M5 cilindrico) o rivestito in PTFE (R 1/8 conico)
- Effective when piping in a confined space
- Rotatable body
- With O-ring (M5 cylindrical) or PTFE coated (R 1/8 taper)

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Technische Daten / Dati tecnici / Technical data

Medium / Fluidi / Operating media	Druckluft, Wasser ¹⁾ / Aria compressa, acqua ¹⁾ / Compressed air, water ¹⁾	
Betriebsdruckbereich / Gamma di pressione d'esercizio / Operating pressure range	1 bar - 10 bar	
Prüfdruck / Pressione di prova / Test pressure	30 bar	
Umgebungs- und Medientemperatur / Temperatura ambiente e media / Ambient and media temperature	Druckluft / Aria compressa / Compressed air: -5°C - +60°C Wasser / Acqua / Water: 0°C - +40°C	
Anschlussmöglichkeiten / Opzioni di connessione / Connections	M5	mit Dichtung / con guarnizione / with O-ring
	1/8 - 1/2 konisch / conico / taper thread	PTFE beschichtet / rivestito in PTFE / PTFE coated
	Kunststoffschlauch / Tubo / Plastic tube	metrisch / metrico / metric

¹⁾ Kein Trinkwasser! Drucksitzen müssen kleiner als der max. zulässige Betriebsdruck sein.

¹⁾ Nessun acqua potabile. I picchi di pressione devono essere inferiori alla pressione di esercizio max. ammissibile.

¹⁾ No drinking water! Pressure peaks must be lower than the max. permissible operating pressure.

Werkstoff / Materiale / Material

Körper / Corpo / Body	PBT
Anschlussgewinde / Filetto di collegamento / Connection thread	Messing / Ottone / Brass
Spannange / Pinza / Chuck	Edelstahl / Acciaio inossidabile / Stainless steel
Führung / Guida / Guide	Edelstahl / Acciaio inossidabile / Stainless steel
Druckring / Anello di rilascio / Release button	POM
Dichtung, O-Ring / Guarnizione, O-ring / Seal, O-ring	NBR

Verwendbare Schläuche / Tubi utilizzabili / Applicable tubes

Material / Materiale / Material	Polyamid PA 11w/12w, Polyurethan Poliammide PA 11w/12w, Poliuretano Polyamide PA 11w/12w, Polyurethane
Aussendurchmesser / Diametro est. del tubo / Tube outside diameter	4, 6, 8, 10, 12

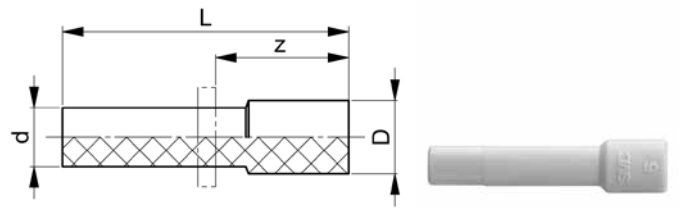
- Schnelle Montage und Demontage
- Für grossen Druckbereich von 1 bar bis 10 bar geeignet
- Verwendung von Nylon- und Polyurethanschläuchen

- Montaggio e smontaggio rapido
- Possibilità di utilizzo per una vasta gamma di pressioni da 1 bar a 10 bar
- Possibilità di utilizzo di tubi in nylon e poliuretano

- Quick assembling and disassembling
- Can be used for wide range of pressure 1 bar to 10 bar
- Accepts nylon and polyurethane tubes

Abschlusszapfen
Tappo di chiusura
Plug

FP 30002



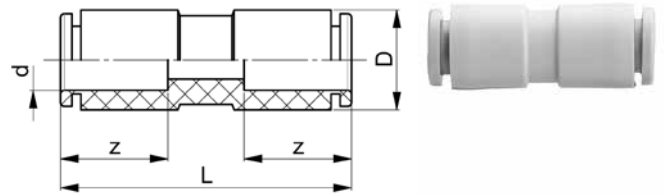
Type -d	Mat.-Nr.	L	D	z	g/Stk
FP 30002-4	TFP.300.0400	32.0	6.0	19.0	1
FP 30002-6	TFP.300.0600	35.0	8.0	22.0	1
FP 30002-8	TFP.300.0800	39.0	10.0	25.0	2
FP 30002-10	TFP.300.1000	43.0	12.0	27.5	4
FP 30002-12	TFP.300.1200	45.5	14.0	28.5	5

Den Abschlusszapfen FP 30002 bis zum Anschlag in den SERTO-Flip einführen. Zur Demontage Druckring leicht andrücken und Abschlusszapfen herausziehen.

Inserire completamente nel raccordo SERTO Flip il tappo di chiusura FP 30002. Per smontare, premere il pulsante di sblocco e tirare il tappo.

Insert the plug FP 30002 and push it all the way into the SERTO-Flip fitting. To dismantle press the release button and withdraw the plug.

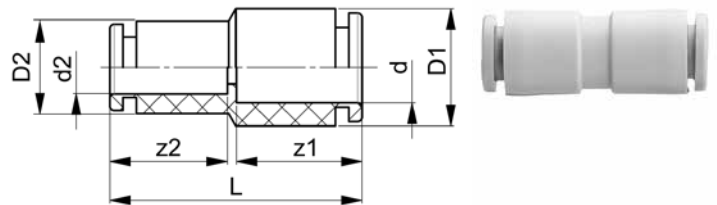
Gerade Verbindung
Giunto diritto
Straight connector



FP 31050

Type -d	Mat.-Nr.	L	D	z	g/Stk
FP 31050-4	TFP.310.0400	27.6	8.2	13.3	2
FP 31050-6	TFP.310.0600	27.6	10.4	13.3	2
FP 31050-8	TFP.310.0800	29.4	13.3	14.2	4
FP 31050-10	TFP.310.1000	32.2	15.9	15.6	6
FP 31050-12	TFP.310.1200	35.0	18.5	17.0	8

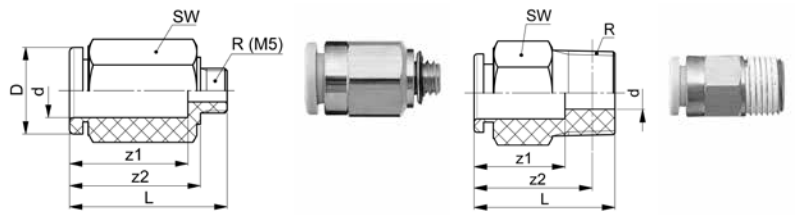
**Gerade Verbindung redu-
 ziert**
Giunto diritto ridotto
Straight connector reduced



FP 31050 RED

Type -d -d2	Mat.-Nr.	L	D1	D2	z1	z2	g/Stk
FP 31050-6-4	TFP.310.0604	27.6	10.4	8.2	13.3	13.3	2
FP 31050-8-6	TFP.310.0806	28.5	13.3	10.4	14.2	13.3	3
FP 31050-10-8	TFP.310.1008	30.8	15.9	13.2	15.6	14.2	5
FP 31050-12-10	TFP.310.1210	33.6	18.5	15.9	17.0	15.6	7

Einschraubverbindung
Giunto maschio
Male connector



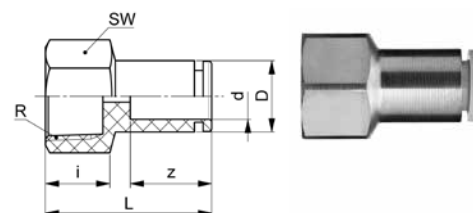
FP 31150

Type -d -R	Mat.-Nr.	SW	L	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)						
FP 31150-4-M5	TFP.311.0441	8	17.7	8.0	13.3	14.7	3
FP 31150-6-M5	TFP.311.0641	10	17.7	10.0	13.3	14.7	4
FP 31150-4-1/8	TFP.311.0411	10	14.3	7.7	13.3	11.2	6
FP 31150-4-1/4	TFP.311.0412	14	16.7	7.7	13.3	12.0	15
FP 31150-6-1/8	TFP.311.0611	10	18.5	9.7	13.3	15.3	6
FP 31150-6-1/4	TFP.311.0612	14	16.7	9.7	13.3	12.0	13
FP 31150-6-3/8	TFP.311.0613	17	18.1	9.7	13.3	13.0	25
FP 31150-8-1/8	TFP.311.0811	14	22.5	13.0	14.2	19.4	12
FP 31150-8-1/4	TFP.311.0812	14	22.0	13.0	14.2	17.3	14
FP 31150-8-3/8	TFP.311.0813	17	18.1	13.0	14.2	13.0	21
FP 31150-10-1/8	TFP.311.1011	17	23.8	15.5	15.6	20.7	17
FP 31150-10-1/4	TFP.311.1012	17	27.3	15.5	15.6	22.6	22
FP 31150-10-3/8	TFP.311.1013	17	23.5	15.5	15.6	18.4	23
FP 31150-10-1/2	TFP.311.1014	22	22.3	15.5	15.6	15.9	45
FP 31150-12-1/4	TFP.311.1212	19	28.7	18.0	17.0	24.0	24
FP 31150-12-3/8	TFP.311.1213	19	26.0	18.0	17.0	20.7	25
FP 31150-12-1/2	TFP.311.1214	22	22.3	18.0	17.0	15.9	38

Aufschraubverbindung kegelig

Giunto femmina conico

Female connector tapered



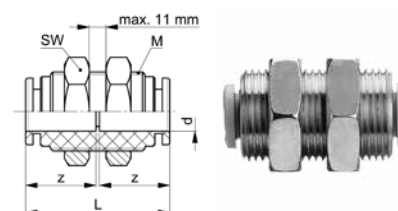
FP 31250

Type -d-R	Mat.-Nr.	SW	L	D	i	z	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)					R=BSP thread (tapered)	
FP 31250-4-1/8	TFP.312.0411	14	24.0	8.0	8.5	13.3	12
FP 31250-4-1/4	TFP.312.0412	17	29.0	8.0	13.0	13.3	22
FP 31250-6-1/8	TFP.312.0611	14	23.5	10.0	8.5	13.3	12
FP 31250-6-1/4	TFP.312.0612	17	28.5	10.0	13.0	13.3	22
FP 31250-6-3/8	TFP.312.0613	19	30.0	10.0	12.7	13.3	23
FP 31250-8-1/8	TFP.312.0811	14	24.0	13.0	8.5	14.2	13
FP 31250-8-1/4	TFP.312.0812	17	29.0	13.0	12.2	14.2	22
FP 31250-8-3/8	TFP.312.0813	19	30.5	13.0	13.5	14.2	31
FP 31250-10-1/4	TFP.312.1012	17	30.0	15.5	13.0	15.6	24
FP 31250-10-3/8	TFP.312.1013	19	31.3	15.5	13.3	15.6	26
FP 31250-12-1/4	TFP.312.1212	19	31.0	18.0	12.0	17.0	33
FP 31250-12-3/8	TFP.312.1213	19	32.3	18.0	13.3	17.0	28
FP 31250-12-1/2	TFP.312.1214	24	36.3	18.0	16.0	17.0	46

Gerade Schottverbindung

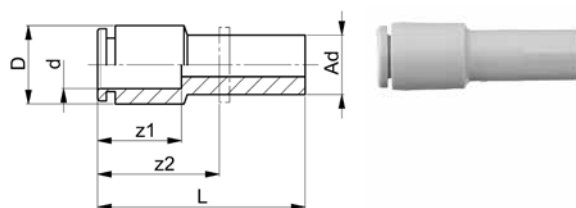
Giunto passa paratia

Panel mount connector



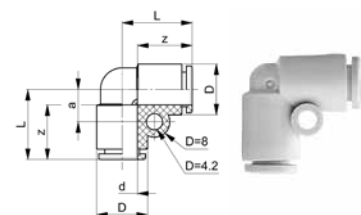
FP 31550

Type -d	Mat.-Nr.	M	SW	L	z	g/Stk
FP 31550-4	TFP.315.0400	12x1.0	14	27.5	13.3	23
FP 31550-6	TFP.315.0600	14x1.0	17	27.5	13.3	28
FP 31550-8	TFP.315.0800	16x1.0	19	29.0	14.2	34
FP 31550-10	TFP.315.1000	20x1.0	24	32.0	15.6	64
FP 31550-12	TFP.315.1200	22x1.0	27	34.5	17.0	64

Gerade Einsteckreduzierung
Giunto di riduzione
Reduction connector

FP 31850

Type -d -Ad	Mat.-Nr.	L	D	z1	z2	g/Stk
FP 31850-4-A6	TFP.318.0406	28.7	8.2	13.3	15.3	2
FP 31850-6-A4	TFP.318.0604	33.6	10.4	13.3	20.3	2
FP 31850-6-A8	TFP.318.0608	31.5	10.4	13.3	17.5	2
FP 31850-6-A10	TFP.318.0610	34.0	10.4	13.3	18.4	2
FP 31850-6-A12	TFP.318.0612	35.6	12.0	13.3	18.7	3
FP 31850-8-A10	TFP.318.0810	35.2	13.3	14.2	19.5	3
FP 31850-8-A12	TFP.318.0812	36.5	13.3	14.2	19.5	3
FP 31850-10-A12	TFP.318.1012	39.2	15.9	15.6	22.1	5

Winkelverbindung
Giunto a gomito
Elbow connector



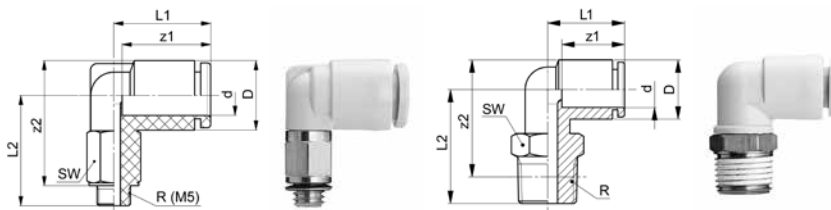
FP 32050

Type -d	Mat.-Nr.	L	D	a	z	g/Stk
FP 32050-4	TFP.320.0400	15.4	8.2	5.7	13.3	2
FP 32050-6	TFP.320.0600	16.2	10.4	6.8	13.3	3
FP 32050-8	TFP.320.0800	18.3	13.0	8.4	14.2	5
FP 32050-10	TFP.320.1000	20.5	15.9	9.7	15.6	7
FP 32050-12	TFP.320.1200	23.0	18.5	10.7	17.0	11

Einschraubwinkel

Giunto a gomito maschio

Male elbow connector



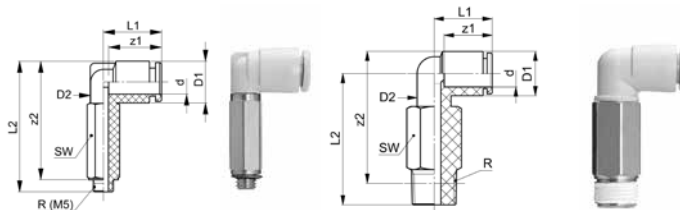
FP 32450

Type -d-R	Mat.-Nr.	SW	L1	L2	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)							
FP 32450-4-M5	TFP.324.0441	7	15.4	14.7	8.2	13.3	15.9	3
FP 32450-6-M5	TFP.324.0641	7	14.5	16.5	10.4	13.3	18.7	3
FP 32450-4-1/8	TFP.324.0411	10	14.7	16.2	8.2	13.3	17.3	5
FP 32450-4-1/4	TFP.324.0412	14	14.7	21.7	8.2	13.3	21.0	14
FP 32450-6-1/8	TFP.324.0611	10	15.5	17.3	10.4	13.3	19.4	5
FP 32450-6-1/4	TFP.324.0612	14	15.5	22.8	10.4	13.3	23.3	15
FP 32450-6-3/8	TFP.324.0613	17	15.5	24.2	10.4	13.3	24.2	27
FP 32450-8-1/8	TFP.324.0811	10	16.5	18.7	13.3	14.2	22.1	6
FP 32450-8-1/4	TFP.324.0812	14	17.2	25.5	13.3	14.2	27.3	18
FP 32450-8-3/8	TFP.324.0813	17	17.2	25.5	13.3	14.2	27.0	25
FP 32450-10-1/4	TFP.324.1012	17	19.3	28.7	15.9	15.6	32.0	22
FP 32450-10-3/8	TFP.324.1013	17	19.3	29.6	15.9	15.6	32.5	22
FP 32450-12-1/4	TFP.324.1212	17	21.5	30.0	18.5	17.0	34.5	24
FP 32450-12-3/8	TFP.324.1213	17	21.5	30.8	18.5	17.0	35.0	24
FP 32450-12-1/2	TFP.324.1214	22	21.5	35.0	18.5	17.0	37.8	47

Einschraubwinkel lang

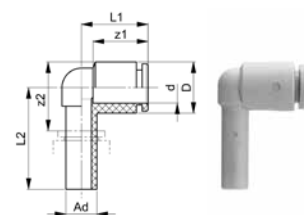
Giunto a gomito maschio lungo

Male elbow connector long

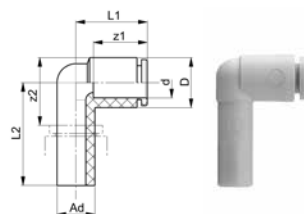


FP 32550

Type -d-R	Mat.-Nr.	SW	L1	L2	D1	D2	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)								
FP 32550-4-M5	TFP.325.0441	7	15.4	25.7	8.2	7.0	13.3	26.8	6
FP 32550-6-M5	TFP.325.0641	7	14.5	27.5	10.4	7.0	13.3	29.5	6
FP 32550-4-1/8	TFP.325.0411	10	14.7	30.0	8.2	10.0	13.3	31.0	11
FP 32550-6-1/8	TFP.325.0611	10	15.5	31.0	10.4	10.0	13.3	33.0	12
FP 32550-6-1/4	TFP.325.0612	14	15.5	34.4	10.4	10.0	13.3	35.0	28
FP 32550-8-1/8	TFP.325.0811	10	16.5	32.4	13.3	10.0	14.2	36.0	12
FP 32550-8-1/4	TFP.325.0812	14	17.2	39.0	13.3	12.0	14.2	41.0	40
FP 32550-10-1/4	TFP.325.1012	17	19.3	53.0	15.9	17.0	15.6	56.2	59
FP 32550-10-3/8	TFP.325.1013	17	19.3	48.5	15.9	17.0	15.6	51.5	51
FP 32550-12-1/4	TFP.325.1212	17	21.5	54.2	18.5	17.0	17.0	58.8	61
FP 32550-12-3/8	TFP.325.1213	17	21.5	49.8	18.5	17.0	17.0	54.0	53

Einstellwinkel
Giunto a gomito orientabile
Adjustable elbow

FP 32650

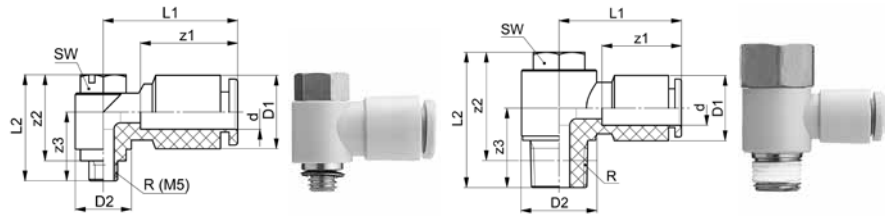
Type -d -Ad	Mat.-Nr.	L1	L2	D	z1	z2	g/Stk
FP 32650-4-A4	TFP.326.0400	14.5	21.0	8.2	13.3	12.0	2
FP 32650-6-A6	TFP.326.0600	15.4	22.4	10.4	13.3	14.2	2
FP 32650-8-A8	TFP.326.0800	17.2	26.2	13.3	14.2	18.7	3
FP 32650-10-A10	TFP.326.1000	19.3	28.2	15.9	15.6	20.5	5
FP 32650-12-A12	TFP.326.1200	21.5	31.0	18.5	17.0	23.3	7

Einstellwinkel reduziert
Giunto a gomito orientabile ridotto
Adjustable elbow reduced

FP 32650 RED

Type -d -Ad	Mat.-Nr.	L1	L2	D	z1	z2	g/Stk
FP 32650-4-A6	TFP.326.0406	14.7	24.5	8.2	13.3	15.5	2
FP 32650-4-A8	TFP.326.0408	14.7	29.5	8.2	13.3	19.4	2
FP 32650-6-A8	TFP.326.0608	15.5	24.2	10.4	13.3	15.3	2
FP 32650-6-A10	TFP.326.0610	15.5	31.5	10.4	13.3	21.3	3
FP 32650-8-A10	TFP.326.0810	18.8	27.0	13.3	14.2	18.0	4
FP 32650-8-A12	TFP.326.0812	18.8	34.0	13.3	14.2	23.5	5

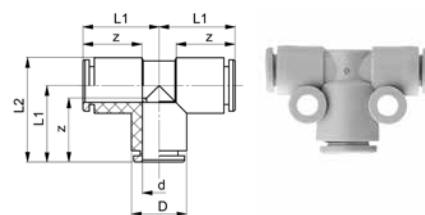
Schwenkverbindung
Giunto girevole
Banjo connector

FP 32850



Type -d-R	Mat.-Nr.	SW	L1	L2	D1	D2	z1	z2	z3	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)	R=BSP thread (tapered)								
FP 32850-4 M5	TFP.328.0441	8	17.5	18.5	8.2	9.8	13.3	15.0	11.0	6
FP 32850-6 M5	TFP.328.0641	8	18.3	18.5	10.4	9.8	13.3	15.0	11.0	6
FP 32850-4-1/8	TFP.328.0411	8	19.3	25.5	8.2	13.5	13.3	22.5	13.7	13
FP 32850-6-1/8	TFP.328.0611	8	20.5	25.5	10.4	13.5	13.3	22.5	13.7	14
FP 32850-6-1/4	TFP.328.0612	10	20.0	30.5	10.4	15.4	13.3	26.0	18.0	25
FP 32850-8-1/8	TFP.328.0811	12	23.5	27.5	13.3	17.6	14.2	24.5	15.0	23
FP 32850-8-1/4	TFP.328.0812	12	23.5	31.0	13.3	17.6	14.2	26.5	18.5	29
FP 32850-8-3/8	TFP.328.0813	14	23.0	35.5	13.3	20.6	14.2	30.0	19.5	44
FP 32850-10-1/4	TFP.328.1012	14	26.0	35.0	15.9	20.6	15.6	30.0	20.0	38
FP 32850-10-3/8	TFP.328.1013	14	26.0	35.3	15.9	20.6	15.6	30.0	20.3	46
FP 32850-12-3/8	TFP.328.1213	17	28.5	37.5	18.5	25.2	17.0	32.5	21.5	60
FP 32850-12-1/2	TFP.328.1214	17	28.5	41.0	18.5	25.2	17.0	34.4	24.5	78

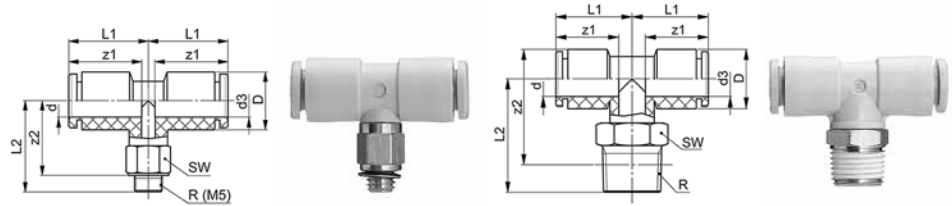
T-Verbindung
Giunto a T
Tee connector



FP 33050

Type -d	Mat.-Nr.	L1	L2	D	z	g/Stk
FP 33050-4	TFP.330.0400	15.4	19.5	8.2	13.3	6
FP 33050-6	TFP.330.0600	16.2	21.5	10.4	13.3	8
FP 33050-8	TFP.330.0800	18.5	25.2	13.3	14.2	7
FP 33050-10	TFP.330.1000	22.5	30.5	15.9	15.6	11
FP 33050-12	TFP.330.1200	24.5	33.7	18.5	17.0	16

T-Einschraubverbindung
Giunto a T maschio
Male tee connector



FP 33750

Type -d-R-d3	Mat.-Nr.	SW	L1	L2	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)	R=BSP thread (tapered)						
FP 33750-4-M5-4	TFP.337.0441	7	15.4	14.7	8.2	13.3	15.9	4
FP 33750-6-M5-6	TFP.337.0641	7	14.5	16.5	10.4	13.3	18.7	4
FP 33750-4-1/8-4	TFP.337.0411	10	14.7	16.2	8.2	13.3	17.3	6
FP 33750-6-1/8-6	TFP.337.0611	10	15.5	17.3	10.4	13.3	19.4	6
FP 33750-6-1/4-6	TFP.337.0612	14	15.5	22.8	10.4	13.3	23.3	16
FP 33750-6-3/8-6	TFP.337.0613	17	15.5	24.2	10.4	13.3	24.2	27
FP 33750-8-1/8-8	TFP.337.0811	10	16.5	18.7	13.3	14.2	22.1	8
FP 33750-8-1/4-8	TFP.337.0812	14	17.2	25.5	13.3	14.2	27.3	19
FP 33750-8-3/8-8	TFP.337.0813	17	17.2	25.5	13.3	14.2	27.0	27
FP 33750-10-1/4-10	TFP.337.1012	17	19.3	28.7	15.9	15.6	32.0	24
FP 33750-10-3/8-10	TFP.337.1013	17	19.3	29.5	15.9	15.6	32.5	25
FP 33750-12-1/4-12	TFP.337.1212	17	21.5	30.0	18.5	17.0	34.5	27
FP 33750-12-3/8-12	TFP.337.1213	17	21.5	30.8	18.5	17.0	35.0	28
FP 33750-12-1/2-12	TFP.337.1214	22	21.5	35.0	18.5	17.0	37.8	50

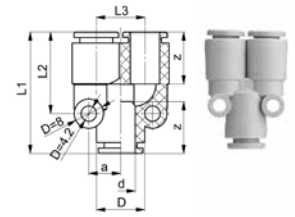
L-Einschraubverbindung
Giunto a L maschio
Male L connector



FP 33850

Type -R-d2-d3	Mat.-Nr.	SW	L1	L2	L3	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)	R=BSP thread (tapered)							
FP 33850-M5-4-4	TFP.338.0441	7	14.7	15.5	15.4	8.2	27.3	13.3	4
FP 33850-M5-6-6	TFP.338.0641	7	16.5	16.3	16.5	10.4	29.8	13.3	6
FP 33850-1/8-4-4	TFP.338.0411	10	16.2	15.3	15.4	8.2	28.5	13.3	6
FP 33850-1/8-6-6	TFP.338.0611	10	17.3	16.3	16.2	10.4	30.5	13.3	6
FP 33850-1/4-6-6	TFP.338.0612	14	22.8	16.3	16.2	10.4	34.4	13.3	16
FP 33850-3/8-6-6	TFP.338.0613	17	24.2	16.3	16.2	10.4	35.3	13.3	28
FP 33850-1/8-8-8	TFP.338.0811	10	18.7	18.2	18.3	13.3	33.8	14.2	8
FP 33850-1/4-8-8	TFP.338.0812	14	25.5	18.2	18.3	13.3	39.0	14.2	20
FP 33850-3/8-8-8	TFP.338.0813	17	25.5	18.2	18.3	13.3	38.5	14.2	27
FP 33850-1/4-10-10	TFP.338.1012	17	28.7	20.5	20.5	15.9	44.5	15.6	25
FP 33850-3/8-10-10	TFP.338.1013	17	29.5	20.5	20.5	15.9	45.0	15.6	25
FP 33850-1/4-12-12	TFP.338.1212	17	30.0	23.0	23.0	18.5	48.3	17.0	28
FP 33850-3/8-12-12	TFP.338.1213	17	30.8	23.0	23.0	18.5	48.8	17.0	28
FP 33850-1/2-12-12	TFP.338.1214	22	34.8	23.0	23.0	18.5	51.5	17.0	51

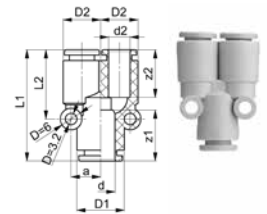
Y-Verbindung
Giunto a Y
Y connector



FP 35050

Type -d	Mat.-Nr.	L1	L2	L3	D	a	z	g/Stk
FP 35050-4	TFP.350.0400	29.0	18.2	8.2	8.2	5.7	13.3	3
FP 35050-6	TFP.350.0600	30.2	19.5	10.4	10.4	6.8	13.3	4
FP 35050-8	TFP.350.0800	33.2	22.4	13.3	13.3	8.7	14.2	7
FP 35050-10	TFP.350.1000	37.0	25.0	15.9	15.9	10.2	15.6	11
FP 35050-12	TFP.350.1200	41.2	27.8	18.5	18.5	11.5	17.0	16

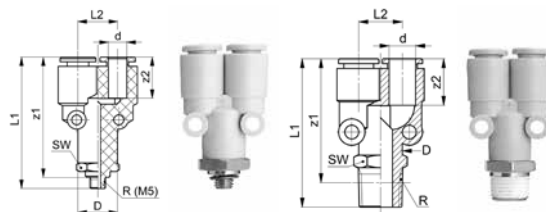
Y-Verbindung reduziert
Giunto a Y ridotto
Y connector reduced



FP 35050 RED

Type -d -d2	Mat.-Nr.	L1	L2	D1	D2	a	z1	z2	g/Stk
FP 35050-6-4	TFP.350.0604	29.0	18.0	10.4	8.2	6.8	13.3	13.3	3
FP 35050-8-6	TFP.350.0806	31.0	19.5	13.0	10.4	8.2	14.2	13.3	5
FP 35050-10-8	TFP.350.1008	34.7	22.4	15.9	13.5	10.2	15.6	14.2	9
FP 35050-12-10	TFP.350.1210	38.5	25.0	18.5	15.9	11.5	17.0	15.6	13

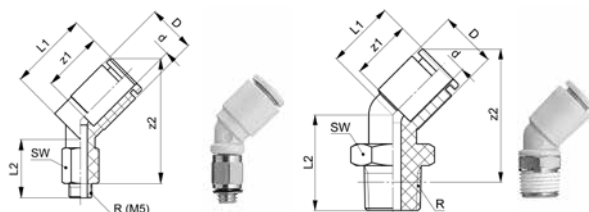
Y-Einschraubverbindung
Giunto maschio a Y
Y connector male



FP 35150

Type -d-R	Mat.-Nr.	SW	L1	L2	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)							
FP 35150-4 M5	TFP.351.0441	10	34.0	8.2	8.2	31.0	13.3	7
FP 35150-6 M5	TFP.351.0641	12	35.0	10.4	10.4	32.0	13.3	10
FP 35150-4-1/8	TFP.351.0411	10	36.5	8.2	8.2	33.4	13.3	9
FP 35150-4-1/4	TFP.351.0412	14	41.0	8.2	8.2	36.2	13.3	19
FP 35150-6-1/8	TFP.351.0611	12	37.5	10.4	10.4	34.5	13.3	10
FP 35150-6-1/4	TFP.351.0612	14	42.0	10.4	10.4	37.3	13.3	19
FP 35150-6-3/8	TFP.351.0613	17	43.4	10.4	10.4	38.3	13.3	31
FP 35150-8-1/8	TFP.351.0811	14	40.7	13.3	13.3	37.5	14.2	16
FP 35150-8-1/4	TFP.351.0812	14	45.2	13.3	13.3	40.5	14.2	21
FP 35150-8-3/8	TFP.351.0813	17	46.5	13.3	13.3	41.5	14.2	33
FP 35150-10-1/4	TFP.351.1012	17	49.0	15.9	15.9	44.3	15.6	26
FP 35150-10-3/8	TFP.351.1013	17	50.5	15.9	15.9	45.3	15.6	33
FP 35150-12-3/8	TFP.351.1213	19	54.4	18.5	18.5	49.3	17.0	39

Einschraubwinkel 45°
Giunto a gomito maschio 45°
Male elbow connector 45°



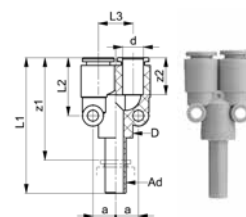
FP 35250

Type -d-R	Mat.-Nr.	SW	L1	L2	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)							
FP 35250-4 M5	TFP.352.0441	7	14.5	13.0	8.2	13.3	22.9	3
FP 35250-6 M5	TFP.352.0641	7	14.5	17.0	10.4	13.3	27.5	4
FP 35250-4-1/8	TFP.352.0411	10	14.5	12.6	8.2	13.3	22.3	5
FP 35250-4-1/4	TFP.352.0412	14	14.5	17.3	8.2	13.3	25.3	14
FP 35250-6-1/8	TFP.352.0611	10	14.7	14.7	10.4	13.3	25.3	5
FP 35250-6-1/4	TFP.352.0612	14	14.7	19.3	10.4	13.3	28.3	15
FP 35250-8-1/8	TFP.352.0811	10	16.0	15.7	13.3	14.2	28.0	6
FP 35250-8-1/4	TFP.352.0812	17	16.0	22.4	13.3	14.2	33.0	18
FP 35250-8-3/8	TFP.352.0813	17	16.0	22.5	13.3	14.2	32.7	25
FP 35250-10-1/4	TFP.352.1012	17	17.6	29.0	15.9	15.6	41.8	22
FP 35250-10-3/8	TFP.352.1013	17	17.6	24.2	15.9	15.6	36.7	22
FP 35250-12-3/8	TFP.352.1213	17	19.5	24.2	18.5	17.0	38.5	23
FP 35250-12-1/2	TFP.352.1214	22	19.5	28.2	18.5	17.0	41.3	46

Y-Einsteckverbindung

Giunto a Y

Y connector



FP 35650

Type -d -Ad	Mat.-Nr.	L1	L2	L3	D	a	z1	z2	g/Stk
FP 35650-4-A4	TFP.356.0404	45.0	18.2	8.2	8.2	5.7	31.5	13.3	3
FP 35650-6-A6	TFP.356.0606	46.5	19.5	10.4	10.4	6.8	33.0	13.3	5
FP 35650-8-A8	TFP.356.0808	52.0	22.4	13.3	13.3	8.7	38.0	14.2	8
FP 35650-10-A10	TFP.356.1010	57.5	25.0	15.9	15.9	10.2	41.8	15.6	12
FP 35650-12-A12	TFP.356.1212	63.0	27.8	18.5	18.5	11.5	46.0	17.0	18

d=Rohraussen-ø
Ad=Aussen-ø der Andrehung

d=diametro esterno del tubo
Ad=diametro esterno del nipplo cil.

d=tube outside diameter
Ad=outside diameter of cyl. stub

Einschraubverbindung drehbar

Gerade oder Winkel

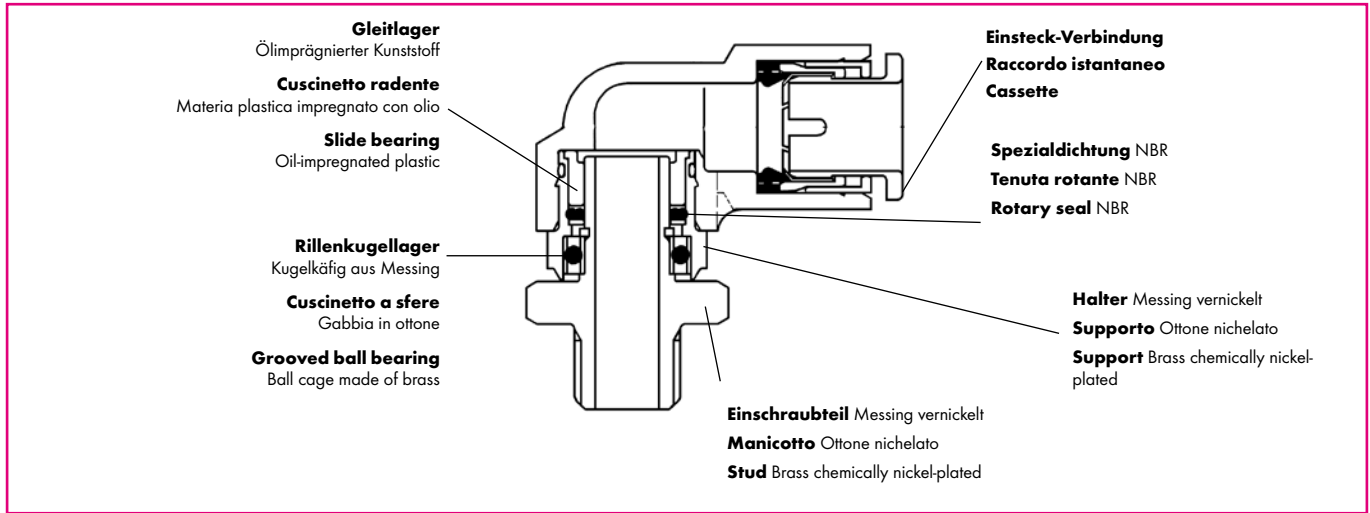
Giunto maschio rotante

Diritto o gomito

Male connector rotary

Straight or elbow

FP 31950
FP 32950



Technische Daten / Dati tecnici / Technical notes

Medium / Fluido / Fluid	Druckluft / Aria compressa / Compressed air				
Arbeitsdruck / Pressione di esercizio / Operating pressure max.	10 bar				
Arbeitsdruck / Pressione di esercizio / Operating pressure min.	1 bar				
Prüfdruck / Pressione di prova / Proof pressure	30 bar				
Umgebungstemperatur / Temperatura ambiente / Ambient and fluid temperature	0°C - +60°C				
Drehzahl / Numero di giri / Permissible number of rotation [1/min]	Ø 4	Ø 6	Ø 8	Ø 10	Ø 12
	500	500	400	300	250
Gewinde / Filettatura / Thread	M5 metrisch/metrico/metric; 1/8 - 1/2 konisch/conico/taper				

Hinweise

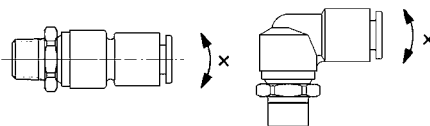
Da Miniaturkugellager verwendet werden, müssen die Querkräfte möglichst klein gehalten werden. In diesen Fällen wird empfohlen, Polyurethanschläuche einzusetzen.

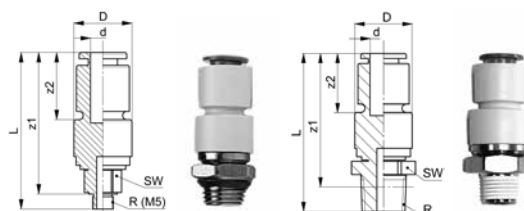
Attenzione

Ridurre al minimo il carico mostrato di seguito per proteggere il cuscinetto a sfere. È consigliato l'uso di un tubo flessibile in poliuretano.

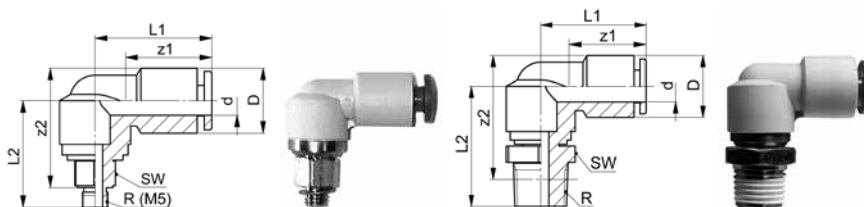
Caution

Minimise the load shown below to protect the ball bearing. A flexible polyurethane tube is recommended.



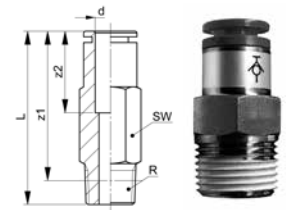
Einschraubverbindung drehbar
Giunto maschio rotante
Male connector swivelling

FP 31950

Type -d-R	Mat.-Nr.	SW	L	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)				R=BSP thread (tapered)		
FP 31950-4 M5	TFP.319.0441	8	36.5	12.0	33.0	16.0	9
FP 31950-6 M5	TFP.319.0641	8	37.5	14.0	33.5	17.0	12
FP 31950-4-1/8	TFP.319.0411	12	37.0	12.0	34.0	16.0	14
FP 31950-6-1/8	TFP.319.0611	14	38.5	14.0	35.5	17.0	17
FP 31950-6-1/4	TFP.319.0612	14	42.0	14.0	36.5	17.0	23
FP 31950-8-1/8	TFP.319.0811	17	43.0	17.0	40.0	18.5	23
FP 31950-8-1/4	TFP.319.0812	17	46.5	17.0	41.0	18.5	29
FP 31950-8-3/8	TFP.319.0813	17	47.0	17.0	41.5	18.5	37
FP 31950-10-1/4	TFP.319.1012	22	53.5	22.0	48.0	21.0	55
FP 31950-10-3/8	TFP.319.1013	22	54.0	22.0	48.5	21.0	63
FP 31950-10-1/2	TFP.319.1014	22	56.5	22.0	49.5	21.0	81
FP 31950-12-3/8	TFP.319.1213	24	56.0	24.0	50.5	22.0	75
FP 31950-12-1/2	TFP.319.1214	24	60.0	24.0	52.0	22.0	92

Einschraubwinkel drehbar
Giunto a gomito maschio rotante
Male elbow connector swivelling

FP 32950

Type -d-R	Mat.-Nr.	SW	L1	L2	D	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)					R=BSP thread (tapered)		
FP 32950-4-M5	TFP.329.0441	8	21.0	20.5	10.4	16.0	22.0	9
FP 32950-6 M5	TFP.329.0641	8	23.0	21.0	12.8	17.0	23.5	12
FP 32950-4-1/8	TFP.329.0411	12	21.0	21.0	10.4	16.0	23.5	14
FP 32950-6-1/8	TFP.329.0611	14	23.0	22.0	12.8	17.0	25.5	17
FP 32950-6-1/4	TFP.329.0612	14	23.0	25.5	12.8	17.0	26.5	23
FP 32950-8-1/8	TFP.329.0811	17	26.0	25.5	15.2	18.5	30.0	23
FP 32950-8-1/4	TFP.329.0812	17	26.0	29.0	15.2	18.5	31.0	29
FP 32950-8-3/8	TFP.329.0813	17	26.0	30.0	15.2	18.5	32.0	38
FP 32950-10-1/4	TFP.329.1012	22	31.5	33.5	18.5	21.0	37.5	56
FP 32950-10-3/8	TFP.329.1013	22	31.5	34.0	18.5	21.0	38.0	64
FP 32950-12-3/8	TFP.329.1213	24	34.0	37.0	21.0	22.0	40.5	76
FP 32950-12-1/2	TFP.329.1214	24	34.0	38.5	21.0	22.0	42.0	93

Einschraubverbindung mit Rückschlagventil
Giunto diritto con valvola di ritegno
Straight connector with non-return valve



FP 37350

Type -d -R	Mat.-Nr.	SW	L	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)			R=BSP thread (tapered)		
FP 37350-4-1/8	TFP.373.0411	10	25.2	22.1	18.0	8
FP 37350-6-1/8	TFP.373.0611	12	36.5	33.4	19.0	16
FP 37350-6-1/4	TFP.373.0612	14	28.5	22.9	19.0	14
FP 37350-8-1/4	TFP.373.0812	14	45.0	39.7	21.5	27
FP 37350-10-1/4	TFP.373.1012	17	50.0	44.5	24.0	34

Schwenkbares Drosselrückschlagventil Valvola di ritegno a farfalla orientabile Swivelling throttle non-return valve

FP 37650
FP 37750

Technische Daten / Dati tecnici / Technical notes

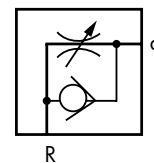
Medium / Fluido / Fluid	Druckluft gefiltert 10 µm, geölt oder ungeölt Aria compressa filtrata µm con o senza olio Compressed air filtered 10 µm oiled or not
Anschluss / Manicotto / Stud	PTFE beschichtet / -rivestito in PTFE / PTFE coated
Aussengewinde / Filettatura / Thread	1/8, 1/4, 3/8, 1/2 konisch / conico / taper
Einstellbereich / Numero di giri / Number of needle rotation	10 Umdrehungen / giri / turns
Prüfdruck / Pressione di prova / Proof pressure	15 bar
Betriebsdruckbereich / Pressione di esercizio / Working pressure	1 - 10 bar
Betriebstemperaturbereich / Temperatura ambiente e mezzo / Ambient and fluid temperature	+5°C - +60°C
Einbaulage / Posizione di montaggio / Built-in position	beliebig / qualsiasi / any

- Kostengünstige Montage
- Hoher Durchfluss
- Präzise Regulierbarkeit auch bei kleinem Durchfluss
- 360° schwenkbar
- Für Nylon- und Polyurethanschläuche geeignet
- Riduzione del tempo di installazione
- Passaggio del flusso elevato
- Il flusso può essere controllata in modo preciso anche a valori bassi
- Orientabile a 360°
- Possibilità di utilizzo di tubi in nylon e poliuretano
- Minimises installation time
- Constant speed easily set
- Speed may be accurately controlled even at low speed
- Body swivels 360°
- Accepts nylon and polyurethane tubing

FP 37650



FP 37750



Durchfluss

Eingangsdruck 5 bar

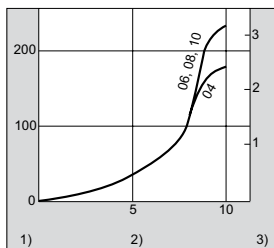
Flusso aria

Pressione di alimentazione 5 bar

Air flow

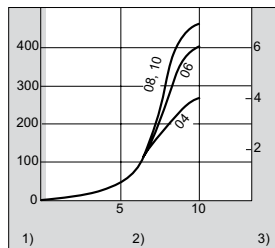
Supply pressure 5 bar

Grösse/Dimensione/Size
4-1/8, 6-1/8, 8-1/8



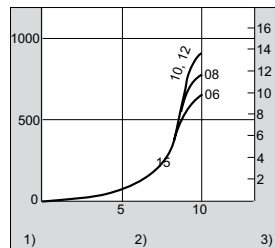
1) Volumenstrom / flusso aria / Air flow [l/min]

Grösse/Dimensione/Size
6-1/4, 8-1/4, 10-1/4



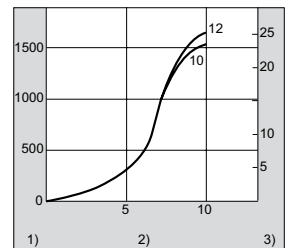
2) Anzahl Nadelumdrehungen / Numero di giri spillo / Number of needle rotation

Grösse/Dimensione/Size
6-3/8, 8-3/8, 10-3/8, 12-3/8

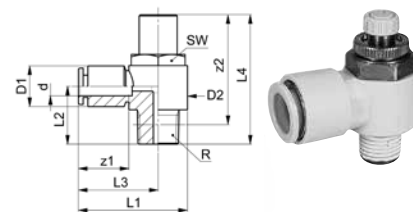


3) Aequ. Querschnitt / sezione equivalente / Effective orifice [mm²]

Grösse/Dimensione/Size
12-1/2



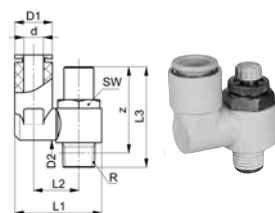
Schwenkbares Drosselrückschlagventil Valvola di ritegno a farfalla orientabile Throttle non-return valve swivelling



FP 37650

Type -d -R	Mat.-Nr.	SW	L1	L2	L3	L4	D1	D2	z1	z2	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)	R=BSP thread (tapered)									
FP 37650-4-1/8	TFP.376.0411	12	27.5	13.5	20.5	35.0	9.5	14.0	12.5	32.0	17
FP 37650-6-1/8	TFP.376.0611	12	27.5	13.5	20.5	35.0	11.5	14.0	13.5	32.0	17
FP 37650-6-1/4	TFP.376.0612	17	34.5	18.0	25.0	40.0	13.0	18.5	17.0	34.5	32
FP 37650-6-3/8	TFP.376.0613	19	39.5	20.0	28.0	45.5	13.0	23.0	17.0	40.0	55
FP 37650-8-1/8	TFP.376.0811	12	32.5	13.5	25.5	35.0	15.0	14.0	18.5	32.0	19
FP 37650-8-1/4	TFP.376.0812	17	36.5	18.0	27.0	40.0	15.0	18.5	18.5	34.5	34
FP 37650-8-3/8	TFP.376.0813	19	41.0	20.0	29.5	45.5	15.0	23.0	18.5	40.0	57
FP 37650-10-1/4	TFP.376.1012	17	43.0	18.5	32.0	40.0	18.5	18.5	21.0	34.5	36
FP 37650-10-3/8	TFP.376.1013	19	43.5	20.0	32.0	45.5	18.5	23.0	21.0	40.0	59
FP 37650-12-3/8	TFP.376.1213	19	44.5	20.0	33.0	45.5	21.0	23.0	22.0	40.0	61
FP 37650-12-1/2	TFP.376.1214	24	49.0	24.5	35.0	56.5	21.0	28.5	22.0	49.5	101

360° schwenkbares Drosselrückschlagventil Valvola di ritegno a farfalla orientabile 360° Throttle non-return valve swivelling 360°



FP 37750

Type -d -R	Mat.-Nr.	SW	L1	L2	L3	D1	D2	z	g/Stk
R=Rohrgewinde (kegelig)	R=Filettatura BSP (conica)	R=BSP thread (tapered)							
FP 37750-4-1/8	TFP.377.0411	12	25.0	13.0	35.0	9.5	9.5	32.0	18
FP 37750-6-1/8	TFP.377.0611	12	27.0	14.0	35.0	11.5	11.0	32.0	18
FP 37750-6-1/4	TFP.377.0612	17	34.0	18.5	40.0	13.0	13.0	34.5	33
FP 37750-6-3/8	TFP.377.0613	19	38.5	21.0	45.5	13.0	13.0	40.0	56
FP 37750-8-1/8	TFP.377.0811	12	31.0	16.0	35.0	15.0	13.0	32.0	21
FP 37750-8-1/4	TFP.377.0812	17	35.0	18.5	40.0	15.0	13.0	34.5	36
FP 37750-8-3/8	TFP.377.0813	19	39.5	20.5	45.5	15.0	13.0	40.0	59
FP 37750-10-1/4	TFP.377.1012	19	43.5	23.0	48.5	18.5	16.0	43.0	67
FP 37750-10-3/8	TFP.377.1013	19	43.5	23.0	45.5	18.5	16.0	40.0	63
FP 37750-12-3/8	TFP.377.1213	19	45.0	23.0	45.5	21.0	16.0	40.0	65
FP 37750-12-1/2	TFP.377.1214	24	52.0	27.0	57.0	21.5	19.5	50.5	106