# **Barbed fittings**

# **FESTO**



# Product range overview

		M thread	G thread	Barbed connec-	For tubing O.D.	Barbed connec-	For tubing O.D.	
				tor	[mm]	tor	[mm]	
Barbed fitting wit	h male thread a	and external hex						
	N	M5	-	-	-	PK-3	-	5
						PK-4		
Barbed fitting wit	h male thread a	and external hex						
	CN	M3	_		-	-		6
		M5	_					
		_						
		-					6,8	
		-	G3/8				8	
Rarhed fitting wif	h male thread a	and external hex –	stainless steel vers	ion				
CRCN		M5		-	Ī-	_	3, 4, 6	7
		_	G1/8					1
		_						1
		_	_					1
Barbed bulkhead			1		To	Г	T	1.0
	SCN	-	_	-			_	8
						_		
						_		
					8			
Barbed tubing co				Laws	1	T	T	1.
	RTU	-	-		<u> </u>		<u> </u> -	9
				PK-4				
0								
				PK-6	<u> </u>	PK-6		
Rarbed albow fitt	ing with male t	hroad — rotatable 3	600					
Daibed elbow litt					T_	T_	3 /	10
	Len							- 1
								-
				_				
				_				
							8	
Barbed elbow fitt			ousing part, rotata	ıble 360°				
	LCNH	M5			_	_		12
	)	_					4, 6, 8	
		-					6, 8	
		_	G3/8				8	
Barbed L-connect	or							
<b>%</b>	L-PK	-	_	PK-2	-	_	_	14
				PK-3	1			
1 101 4	1	1	1		⊣	1	1	1
				PK-4				
	Barbed fitting with the second	Barbed fitting with male thread a CRCN  Barbed fitting with male thread a CRCN  Barbed bulkhead connector  SCN  Barbed tubing connector  RTU  Barbed elbow fitting with male thread a CRCN  Barbed tubing connector  RTU  Barbed elbow fitting with male thread a CRCN	Barbed fitting with male thread and external hex  CN  M3  M5  — — — — — — — Barbed fitting with male thread and external hex —  CRCN  M5  — — — — —  Barbed bulkhead connector  SCN  SCN  Barbed tubing connector  RTU  Barbed elbow fitting with male thread — rotatable 3  M5  — — — — — Barbed elbow fitting with male thread — extended h  CNH  M5  — — — — — — — — — — — — — — — — —	N	Barbed fitting with male thread and external hex	Barbed fitting with male thread and external hex	N	Barbed fitting with male thread and external hex

# Product range overview

Design	Version	Туре	Pneumatic cor	nnection 1			Pneumatic connection 2		→ Page
			M thread	G thread	Barbed connec-	For tubing O.D.	Barbed connec-	For tubing O.D.	7
					tor	[mm]	tor	[mm]	
-shape	Barbed T-fitting v	with male thread	– rotatable 360°						
•		TCN	M3	-	-	-	-	3, 4	15
			M5	-				3, 4, 6	7
			-	G1/8				4, 6, 8	7
		<b>'</b>	-	G1/4				6,8	7
			-	G3/8				8	1
	Barbed T-connec	tor		•					
		T-PK	_	_	PK-2	_	_	_	16
					PK-3	7			
					PK-4	7			
					PK-6	7			
			'	'	<u> </u>	-	•	-	
-shape	Barbed Y-connec	tor							
		Y-PK	-	-	PK-2	-	-	-	17
		a			PK-3				
					PK-4				
					PK-6	7			
	Barbed T-connec	tor							
		FCN		-	-	3 -	3, 4	18	
						4		4, 6	
	Q 1					6		6,8	
						8		8	

### Tube mounting/dismounting

#### Mounting:

- 1. Hold the tubing as close to the end as possible.
- 2. Rotate the tubing (approx. 90°) around the nipple axis while attaching it.

#### Dismounting:

- Use a knife to cut off the tubing behind the sealing and support edge.
   Be careful not to damage the barbed connector on the sealing and support edge.
- 2. Remove the tubing.

### Available accessories

Connecting pliers ZMS-PK-3/4

- → Internet: zms
  Disconnecting pliers ZDS-PK-3,
  ZDS-PK-4
- → Internet: zds

# Barbed hose fittings C-P/N-P, for hose clip

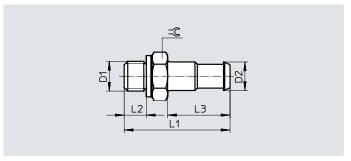
# Product range overview

esign	Version	Туре	Pneumatic connec	tion D1	Pneumatic connection D2	→ Page			
			G thread	R thread	NPT thread	Barbed connector			
	Barbed hose fitt	ing							
		CP	G1/8	-	-	PK-6	19		
			G1/4	-	-	PK-6, PK-9	1		
			G3/8	-	-	PK-6, PK-9			
			G1/2	-	-	PK-13			
	Barbed hose fitt	ing with sealing	ring (aluminium and b	rass version)					
	~	NP	G1/8	-	-	PK-6	20		
		NMS	G1/4	-	-	PK-6, PK-9	1		
			G3/8	-	-	PK-6, PK-9, PK-13	]		
			G1/2	-	-	PK-9, PK-13	1		
					G3/4	-	-	PK-13, PK-19	
			_	R1	-	PK-19			
			-	-	3/4 NPT	PK-19			
			-	-	1 1/2 NPT	PK-19			
	Hose clip to DIN	3017							
		SK					22		

### Barbed fitting N

With male thread and external hexagon





General technical data							
Design	Straight shape						
Mounting position	Any						
Type of seal on screwed trunnion	Sealing ring						

Operating and environmental conditions	Operating and environmental conditions							
Operating pressure for full tem- [bar] perature range	-0.95 +10							
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]							
Ambient temperature	-10 - 60 ℃							
PWIS conformity	VDMA24364-B1/B2-L							
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)							
Corrosion resistance class CRC <sup>1)</sup>	1							

<sup>1)</sup> Corrosion resistance class CRC 1 to Festo standard FN 940070 Low corrosion stress. Dry internal application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, or parts which are covered in the application (e.g. drive trunnions).

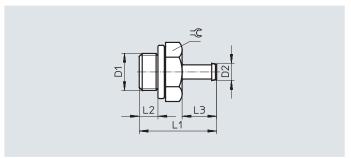
Materials	Materials											
Housing			Brass									
	Dimensions and ordering data											
Pneumatic co	nnection	Max. tighten- ing torque	Nominal size	D2	L1	L2	L3	=©	Weight/ piece	Part no.	Туре	PU <sup>1)</sup>
D1		[Nm]	[mm]						[g]			
Metric thread	with sealing rir	ıg										
M5	PK-3		2.5	3.6	16	3.5	8.5	7	1	4446	N-M5-PK-3	10
	PK-4		2.5	4.8	18	3.5	10.5	7	2	4902	N-M5-PK-4	10

<sup>1)</sup> Packaging unit

### Barbed fitting CN

With male thread and external hexagon





General technical data					
Type of seal on screwed trunnion	Sealing ring				

Operating and environmental conditions						
Operating pressure [ba	r]	-0.95 +10				
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]				
Note on the operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)				
Ambient temperature [°C]	]	0+60				
Corrosion resistance class CRC <sup>1)</sup>		2				

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials			
Pneumatic connection 1	Male thread M3	Male thread M5	Male thread G1/8/G1/4/G3/8
Housing	High-alloy steel	Steel	Aluminium
Note on materials	RoHS-compliant		·

Dimensions and	-4:		DO	1 14	۱ ۱۵	1 12		l n	I T	PU <sup>1)</sup>
Pneumatic conne	·	Nominal	D2	L1	L2	L3	=©	Part no.	Туре	PU
Male thread	For tubing O.D.	size								
D1	[mm]	[mm]								
M thread with se	aling ring									
M3	3	1.5	2.6	10	3	5	4.5	15871	CN-M3-PK-2	10
	4	1.5	3.4	11	3	6	4.5	15872	CN-M3-PK-3	10
M5	3	1.5	2.95	13.8	3.8	6	7	19521	CN-M5-PK-2	10
4	4	2.5	3.6	17.5	3.8	9.7	7	12255	CN-M5-PK-3	10
	6	2.5	4.8	19.5	3.8	11.7	7	12256	CN-M5-PK-4	10
G thread with sea	aling ring									
G1/8	4	2.5	3.6	20.2	4.9	9.7	13	11944	CN-1/8-PK-3	10
	6	3.2	4.8	22.2	4.9	11.7	13	11945	CN-1/8-PK-4	10
	8	5.3	7	24.5	4.9	14	13	11946	CN-1/8-PK-6	10
G1/4	6	3.2	4.8	24.7	5.8	11.7	17	11947	CN-1/4-PK-4	10
	8	5.3	7	27	5.8	14	17	11948	CN-1/4-PK-6	10
G3/8	8	5.3	7	28	6.8	14	19	11949	CN-3/8-PK-6	10

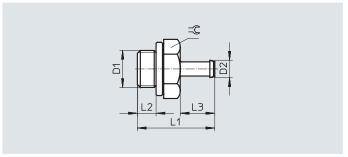
<sup>1)</sup> Packaging unit

### **Barbed fitting CRCN**

General technical data

Stainless steel version
With male thread and external hexagon





Type of seal on screwed trunnion	Sealing ring
Operating and environmental conditions	
Operating pressure for entire tem- [bar]	−0.95 +10
perature range	
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature [°C]	0+60
Corrosion resistance class CRC <sup>1)</sup>	2
Food-safe <sup>2)</sup>	See supplementary material information

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

<sup>2)</sup> Additional information: www.festo.com/sp  $\rightarrow$  Certificates.

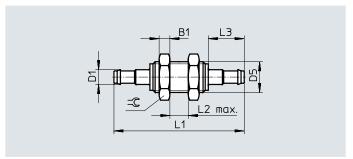
Materials				
Туре	CRCN-M5	CRCN-1/8	CRCN-1/4	CRCN-3/8
Housing	High-alloy stainless steel			
Thread seal	High-alloy stainless steel, NBR	Reinforced PA, TPE-U(PU)		
Note on materials	RoHS-compliant			

Dimensions and	ordering data										
Pneumatic conne	ction	Nominal	D2	L1	L2	L3	=@	Weight/	Part no.	Type	PU <sup>1)</sup>
Male thread	For tubing O.D.	size						piece			
D1	[mm]	[mm]						[g]			
M thread with se	aling ring										
M5	3	1.5	2.95	13.8	3.8	6	7	1.8	30985	CRCN-M5-PK-2	10
	4	2.5	3.6	17.5	3.8	9.7	7	1.74	13967	CRCN-M5-PK-3	10
	6	2.5	4.8	19.5	3.8	11.7	7	2.58	13968	CRCN-M5-PK-4	10
G thread with sea	aling ring										
G1/8	4	2.5	3.6	20.2	4.9	9.7	13	7.52	13969	CRCN-1/8-PK-3	10
	6	3.2	4.8	22.2	4.9	11.7	13	7.86	13970	CRCN-1/8-PK-4	10
	8	5.3	7	24.5	4.9	14	13	7.5	13971	CRCN-1/8-PK-6	10
G1/4	6	3.2	4.8	24.7	5.8	11.7	17	17.73	13972	CRCN-1/4-PK-4	1
	8	5.3	7	27	5.8	14	17	16.5	13973	CRCN-1/4-PK-6	1
G3/8	8	5.3	7	28	6.8	14	19	23.7	13974	CRCN-3/8-PK-6	1

<sup>1)</sup> Packaging unit

#### Barbed bulkhead connector SCN





Operating and environmental condit	itions	
Operating pressure [b	bar]	-0.95 +10
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]
Note on the operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature [º	°C]	0+60
Corrosion resistance class CRC <sup>1)</sup>		2

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

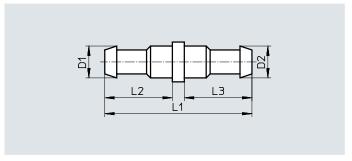
Materials	
Housing	Aluminium
Nut	Galvanised steel
Note on materials	RoHS-compliant RoHS-compliant

Dimensions and ordering data												
Pneumatic connection	Nominal	B1	D1	D5	L1	L2	L3	=©	Weight/	Part no.	Туре	PU <sup>1)</sup>
For tubing O.D.	size								piece			
[mm]	[mm]								[g]			
3	1.5	2.2	2.95	M4	23.4	6	6	7	1	19528	SCN-PK-2	10
4	1.9	3.2	3.6	M6x0.75	35.3	8	9.7	10	4	11972	SCN-PK-3	10
6	2.8	3.2	3.6 4.8	M6x0.75 M10x1	35.3 42.4	8 10	9.7 11.7	10 13	7	11972 11973	SCN-PK-3 SCN-PK-4	10 10

<sup>1)</sup> Packaging unit

### Barbed tubing connector RTU





Operating and environmental conditions						
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]					
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)					

Materials	
Housing	Brass
Note on materials	RoHS-compliant RoHS-compliant

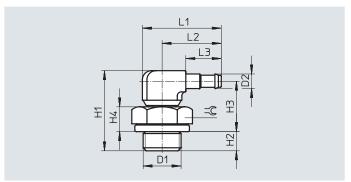
Dimensions a	nd ordering data										
Pneumatic cor	nnection	Nominal size [mm]	D1	D2	L1	L2	L3	Weight/ piece [g]	Part no.	Туре	PU <sup>1)</sup>
PK-2	PK-2	1.5	2.95	2.95	14	6	6	1	19541	RTU-PK-2/2-B	10
PK-3	PK-2	1.5	3.6	2.95	17.7	9.7	6	1	19542	RTU-PK-3/2	10
	PK-3	2.5	3.6	3.6	19	8.5	8.5	1	4805	RTU-PK-3/3	10
	PK-4	2.5	3.6	4.8	20	8.5	10.5	2	4499	RTU-PK-3/4	10
PK-4	PK-4	3.4	4.8	4.8	23	10.5	10.5	2	4806	RTU-PK-4/4	10
	PK-6	3.4	4.8	7	25.5	10.5	13	2	7604	RTU-PK-4/6	10
PK-6	PK-6	5.3	7	7	28	13	13	3	7605	RTU-PK-6/6	10

Packaging unit

### Barbed elbow fitting LCN

With male thread Rotatable 360°





General technical data	
Type of seal on screwed trunnion	Sealing ring

Operating and environmental conditions						
Operating pressure [ba	ar]	-0.95 +10				
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]				
Note on the operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)				
Ambient temperature [°C	C]	0+60				
Corrosion resistance class CRC <sup>1)</sup>		2				

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials			
Pneumatic connection 1	Male thread M3	Male thread M5	Male thread G1/8/G1/4/G3/8
Housing	High-alloy steel	Steel	Aluminium
	Die-cast zinc	·	·
Note on materials	RoHS-compliant		

Dimensions										
Pneumatic connec	ction	D2	H1	H2	Н3	H4	L1	L2	L3	=@
Male thread	For tubing O.D.									
D1	[mm]									
M thread with sea	aling ring									
M3	3	2.95	14	2.8	9.2	3.0	12.2	9.6	6	4.5
	4	3.6	15.2	2.8	9.8	3.0	15.9	13.3	9.7	4.5
M5	3	2.95	16	3.8	10.2	4.0	12.2	9.6	6	7
	4	3.6	20.1	3.8	13.7	4.0	18.7	14.7	9.7	7
	6	4.8	21.4	3.8	13.9	4.0	20.7	16.7	11.7	7
G thread with sea	aling ring									
G1/8	4	3.6	21.2	4.9	13.7	5.6	24	17.5	9.7	13
	6	4.8	22.55	4.9	14.15	5.6	26	19.5	11.7	13
	8	7	24.45	4.9	15.15	5.6	28.5	22	14.2	13
G1/4	6	4.8	25.05	5.8	15.75	7.2	26	19.5	11.7	17
	8	7	26.95	5.8	16.75	7.2	28.5	22	14.2	17
G3/8	8	7	27.95	6.8	16.75	7.2	28.5	22	14.2	19

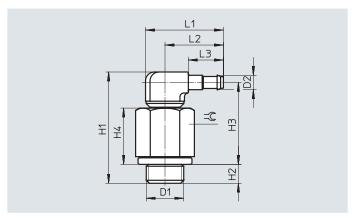
Ordering data						
Pneumatic connection		Nominal size	Weight/piece	Part no.	Туре	PU <sup>1)</sup>
Male thread	For tubing O.D.					
D1	[mm]	[mm]	[g]			
M thread with se	aling ring					
M3	3	1.3	2	30491	LCN-M3-PK-2-B	10
	4	2.0	2	30982	LCN-M3-PK-3	10
M5	3	1.3	4	19523	LCN-M5-PK-2	10
	4	2.0	5	12257	LCN-M5-PK-3	10
	6	2.9	6	12258	LCN-M5-PK-4	10
G thread with sea	aling ring					
G1/8	4	2.0	9	11955	LCN-1/8-PK-3	10
	6	2.9	10	11956	LCN-1/8-PK-4	10
	8	4.9	11	11957	LCN-1/8-PK-6	10
G1/4	6	2.9	13	12958	LCN-1/4-PK-4	10
	8	4.9	15	12959	LCN-1/4-PK-6	10
G3/8	8	4.9	20	12960	LCN-3/8-PK-6	10

<sup>1)</sup> Packaging unit

### Barbed elbow fitting LCNH

With male thread Rotatable 360°





General technical data	
Type of seal on screwed trunnion	Sealing ring

Operating and environmental conditions							
Operating pressure	[bar]	-0.95 +10					
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]					
Note on the operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)					
Ambient temperature	[°C]	0+60					
Corrosion resistance class CRC <sup>1)</sup>		2					

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials		
Pneumatic connection 1	Male thread M5	Male thread G1/8/G1/4/G3/8
Housing	Steel	Aluminium
	Die-cast zinc	
Note on materials	RoHS-compliant	

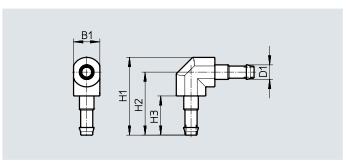
Dimensions										
Pneumatic connec	ction	D2	H1	H2	H3	H4	L1	L2	L3	=©
Male thread D1	For tubing O.D. [mm]									
M thread with sea	aling ring									
M5	3	2.95	26.9	3.8	21.1	14.9	12.2	9.6	6	7
	4	3.6	28.7	3.8	22.3	12.6	18.7	14.7	9.7	7
	6	4.8	30.2	3.8	22.9	12.6	20.7	16.7	11.7	7
G thread with sea	aling ring									
G1/8	4	3.6	31.8	4.9	24.3	16.2	24	17.5	9.7	13
	6	4.8	33.15	4.9	24.75	16.2	26	19.5	11.7	13
	8	7	35.05	4.9	25.75	16.2	28.5	22	14.2	13
G1/4	6	4.8	35.65	5.8	26.35	17.8	26	19.5	11.7	17
	8	7	37.55	5.8	27.35	17.8	28.5	22	14.2	17
G3/8	8	7	38.55	6.8	27.35	17.8	28.5	22	14.2	19

Ordering data						
Pneumatic connection		Nominal size	Weight/piece	Part no.	Туре	PU <sup>1)</sup>
Male thread	For tubing O.D.					
D1	[mm]	[mm]	[g]			
M thread with se	aling ring					
M5	3	1.3	8	35982	LCNH-M5-PK-2	10
	4	2.0	9	35983	LCNH-M5-PK-3	10
	6	2.9	10	35984	LCNH-M5-PK-4	10
G thread with sea	aling ring					
G1/8	4	2.0	13	35985	LCNH-1/8-PK-3	10
	6	2.9	14	35986	LCNH-1/8-PK-4	10
	8	4.9	16	35987	LCNH-1/8-PK-6	10
G1/4	6	2.9	21	35988	LCNH-1/4-PK-4	10
	8	4.9	22	35989	LCNH-1/4-PK-6	10
G3/8	8	4.9	29	35990	LCNH-3/8-PK-6	10

<sup>1)</sup> Packaging unit

### Barbed L-connector L-PK





Operating and environmental conditions	
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)

Materials	
Housing	Brass, POM
Note on materials	RoHS-compliant RoHS-compliant

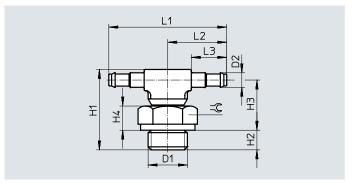
Dimensions and ordering data										
Pneumatic connection	Nominal size [mm]	B1	D1	H1	H2	H3	Weight/ piece [g]	Part no.	Туре	PU <sup>1)</sup>
PK-2	1.5	4	2.95	12.2	10.2	6	1	19539	L-PK-2	10
PK-3	2.5	6.5	3.6	19.25	15.6	9.7	1	7473	L-PK-3	10
PK-3 PK-4	3.4	6.5 7.8	3.6 4.8	19.25 23.1	15.6 18.7	9.7 11.7	2	7473 9584	L-PK-3 L-PK-4	10 10

<sup>1)</sup> Packaging unit

### Barbed T-fitting, TCN

With male thread Rotatable 360°





General technical data	
Type of seal on screwed trunnion	Sealing ring

Operating and environmental conditions							
Operating pressure [bar]	-0.95 +10						
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]						
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)						
Ambient temperature [°C]	0+60						
Corrosion resistance class CRC <sup>1)</sup>	2						

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

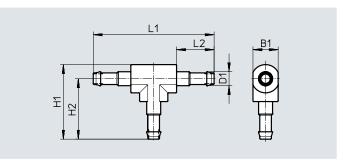
Materials									
Pneumatic connection 1	Male thread M3	Male thread M5	Male thread G1/8/G1/4/G3/8						
Housing	High-alloy steel	Steel	Aluminium						
	Die-cast zinc	Die-cast zinc							
Note on materials	RoHS-compliant								

Dimensions and	ordering data													
Pneumatic connec	ction	Nominal	D2	H1	H2	Н3	H4	L1	L2	L3	=©	Part no.	Туре	PU <sup>1)</sup>
Male thread	For tubing O.D.	size												
D1	[mm]	[mm]												
M thread with se	aling ring													
M3	3	1.3	2.95	14	2.8	9.2	3.0	19.2	9.6	6	4.5	30492	TCN-M3-PK-2	10
	4	2.0	3.6	15.2	2.8	9.8	3.0	26.6	13.3	9.7	4.5	30983	TCN-M3-PK-3	10
M5	3	1.3	2.95	16	3.8	10.2	4.0	19.2	9.6	6	7	19525	TCN-M5-PK-2	10
	4	2.0	3.6	20.1	3.8	13.7	4.0	29.4	14.7	9.7	7	12259	TCN-M5-PK-3	10
	6	2.9	4.8	18.1	3.8	14.3	4.0	33.4	16.7	11.7	7	12432	TCN-M5-PK-4	10
G thread with sea	aling ring													
G1/8	4	2.0	3.6	21.2	4.9	13.7	5.6	35	17.5	9.7	13	11961	TCN-1/8-PK-3	10
	6	2.9	4.8	22.55	4.9	14.15	5.6	39	19.5	11.7	13	11962	TCN-1/8-PK-4	10
	8	4.9	7	24.45	4.9	15.15	5.6	44	22	14.2	13	11963	TCN-1/8-PK-6	10
G1/4	6	2.9	4.8	25.05	5.8	15.75	7.2	39	19.5	11.7	17	11964	TCN-1/4-PK-4	10
	8	4.9	7	26.95	5.8	16.75	7.2	44	22	14.2	17	11965	TCN-1/4-PK-6	10
G3/8	8	4.9	7	27.95	6.8	16.75	7.2	44	22	14.2	19	11966	TCN-3/8-PK-6	10

<sup>1)</sup> Packaging unit

### Barbed T-connector T-PK





Operating and environmental conditions	
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)

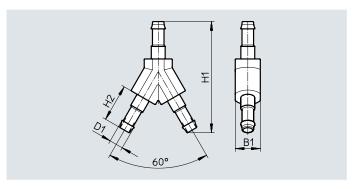
Materials	
Housing	Brass, POM
Note on materials	RoHS-compliant RoHS-compliant

Dimensions and ordering data											
Pneumatic connection	Nominal size [mm]	B1	D1	H1	H2	L1	L2	Weight/ piece [g]	Part no.	Туре	PU <sup>1)</sup>
PK-2	1.5	,	0.05	40.0				T .			
FIX-Z	1.5	4	2.95	12.2	10.2	20.4	6	1	30919	T-PK-2	10
PK-3	2.5	6.5	3.6	19.25	10.2 15.6	31.2	9.7	2	30919 7267	T-PK-2 T-PK-3	10
							_	2 3		-	

<sup>1)</sup> Packaging unit

### Barbed Y-connector Y-PK





Operating and environmental conditions	
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)

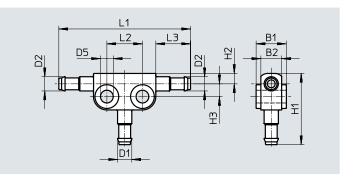
Materials	
Housing	Brass, POM
Note on materials	RoHS-compliant RoHS-compliant

Dimensions and ordering data									
Pneumatic connection	Nominal size	B1	D1	H1	H2	Weight/ piece	Part no.	Туре	PU <sup>1)</sup>
	[mm]					[g]			
PK-2	1.5	4	2.95	18	6	1	19540	Y-PK-2	10
PK-3	2.5	6.5	3.6	28.8	9.7	2	7269	Y-PK-3	10
PK-4	3.4	7.8	4.8	34.5	11.7	3	9586	Y-PK-4	10
	5.3	10.4	_	49.2	14	12	150013	Y-PK-6	10

<sup>1)</sup> Packaging unit

#### Barbed T-connector FCN





Operating and environmental conditions							
Operating pressure	[bar]	-0.95 +10					
Operating medium		Compressed air to ISO 8573-1:2010 [7:-:-]					
Note on the operating/pilot medi	um	Lubricated operation possible (in which case lubricated operation will always be required)					
Ambient temperature	[°C]	0+60					
Corrosion resistance class CRC <sup>1)</sup>		2					

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials												
Housing	: : : : : : : : : : : : : : : : : : :	Die-cast zin	С									
Note on materia	ils	RoHS-comp	liant									
Dimensions												
Pneumatic conn	ection	B1	B2	D1	D2	D5	H1	H2	Н3	L1	L2	L3
For tubing O.D.												
1 [mm]	2 [mm]											
3	3	6	4	2.95	2.95	3.2	15.7	3.1	2.6	28	8	6
	4	8.4	5.2	2.95	3.6	4.3	17.9	3.5	3.9	38.4	10	9.7
4	4	8.4	5.2	3.6	3.6	4.3	21.6	3.5	3.9	38.4	10	9.7
	6	10.2	7	3.6	4.8	4.3	22	3.5	4.3	44.4	12	11.7
6	6	10.2	7	4.8	4.8	4.3	24	3.5	4.3	44.4	12	11.7
	8	12	8.8	4.8	7	4.3	25.9	4.4	5.3	49.4	12	14.2
8	8	12	8.8	7	7	4.3	28.4	4.4	5.3	49.4	12	14.2

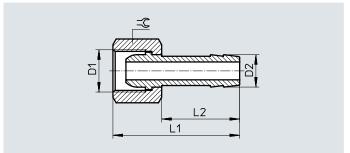
Ordering data							
Pneumatic connection	1	Nominal size	l w	Veight/piece	Part no.	Туре	PU <sup>1)</sup>
For tubing O.D.							
1 [mm]	2 [mm]	[mm]	[8	g]			
3	3	1.3	5	5	19527	FCN-3-PK-2B	10
	4	1.3	8	3	31314	FCN-3-PK-3/2	10
4	4	2	8	3	14768	FCN-3-PK-3	10
	6	2	1	.2	31315	FCN-3-PK-4/3	10
6	6	2.9	1	.2	14769	FCN-3-PK-4	10
	8	2.9	1	.6	31316	FCN-3-PK-6/4	10
8	8	4.9	1	.6	14770	FCN-3-PK-6	10

<sup>1)</sup> Packaging unit

### Barbed hose fitting C-...-P

Plastic tubing is inserted and then secured with a hose clip SK.





Operating and environmental conditions	
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)

Housing		Brass								
Dimensions a	nd ordering data									
Pneumatic con	nnection	Nominal size [mm]	D2	L1	L2	=©	Weight/ piece [g]	Part no.	Туре	PU <sup>1)</sup>
G thread									: :	
G1/8	PK-6	4	7	36	24	13	18	2021	C-1/8-P-6	10
G1/4	PK-6	4.5	7	39	24	17	28	2022	C-1/4-P-6	10
	PK-9	5.5	10	39	24	17	34	2023	C-1/4-P-9	10
G3/8	PK-6	4.5	7	39	24	19	31	2024	C-3/8-P-6	1
	PK-9	6.5	10	39	24	19	34	2025	C-3/8-P-9	1
G1/2	PK-13	11	14.8	50	30	24	64	2026	C-1/2-P-13	1

<sup>1)</sup> Packaging unit

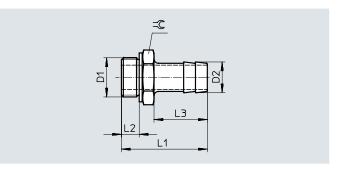
Materials

### Barbed hose fitting N-...-P

Aluminium version

Plastic tubing is inserted and then secured with a hose clip SK.





General technical data						
Design	Straight shape					
Mounting position	Any					
Type of seal on screwed trunnion	Sealing ring (G thread)					
	Coating (R thread and NPT thread)					

Operating and environmental conditions								
Operating pressure for entire tem- [bar]	-0.95 +16							
perature range								
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]							
Ambient temperature	-10 - 60 °C							
PWIS conformity	VDMA24364-B1/B2-L							
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)							
Corrosion resistance class CRC <sup>1)</sup>	2							

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

Materials	
Housing	Anodised aluminium
Note on materials	RoHS-compliant RoHS-compliant

Dimensions a	and ordering data	a										
Pneumatic connection		Max. tighten-	Nomi-	Dimensions [mm]					Weight/	Part no.	Туре	PU <sup>1</sup>
Male thread	For tubing I.D.	ing torque	nal size	D2	L1	L2	L3	=©	piece			
D1		[Nm]	[mm]						[g}			
G thread with	sealing ring											
G1/8	6	5	4.5	7	34.7	4.9	24.2	13	3.33	3605	N-1/8-P-6	10
G1/4	6	12	4.5	7	37.1	5.8	24.1	17	6.3	3606	N-1/4-P-6	10
	9	12	6.5	10	37.1	5.8	24.1	17	7.14	3607	N-1/4-P-9	1
G3/8	6	15	4.5	7	38.1	6.8	24.1	19	9	3608	N-3/8-P-6	1
	9	15	7.6	10	38.1	6.8	24.1	19	8.77	3609	N-3/8-P-9	1
	13	15	11	14.8	45.4	6.8	30	19	178	36160	N-3/8-P-13	1
G1/2	9	18	8	10.3	39.5	8.15	24	24	15.1	3610	N-1/2-P-9	1
	13	18	11	14.8	45.5	8.15	30	24	15	3611	N-1/2-P-13	1
G3/4	13	40	11	14.8	50	9.05	30	32	31.75	3612	N-3/4-P-13	1
	19	40	16.5	20.8	56	9.05	36	32	33.61	3613	N-3/4-P-19	1
R thread												
R1	19	-	16.5	20.8	68.6	-	36	34	67.6	572260	N-1-P-19	1
NPT thread										<u> </u>	·	
3/4 NPT	19	40	16.5	20.8	66.68	_	36	30.17	44	564848	N-3/4-P-19-NPT	1
1 1/2 NPT	19	_	16.5	20.8	74.0	-	36	34	76.6	572243	N-1-P-19-NPT	1

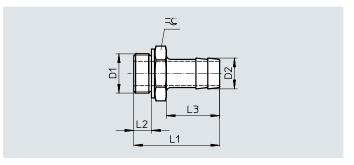
<sup>1)</sup> Packaging unit

### Barbed hose fitting N-...-P-...-MS

Brass version

Plastic tubing is inserted and then secured with a hose clip SK.





General technical data	
Design	Straight shape
Mounting position	Any
Type of seal on screwed trunnion	Sealing ring

Operating and environmental conditions	
Operating pressure for full tempera- [bar] ture range	-0.95 +16
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Ambient temperature	-10 - 60 °C
PWIS conformity	VDMA24364-B1/B2-L
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC <sup>1)</sup>	1

<sup>1)</sup> Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry internal application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, or parts which are covered in the application (e.g. drive trunnions).

Materials	
Housing	Brass
Note on materials	RoHS-compliant RoHS-compliant

Dimensions a	nd ordering dat	a										
Pneumatic connection Max. tighten-			Nomi- Dimensions [mm]							Part no.	Туре	PU <sup>1)</sup>
Male thread	For tubing I.D.	ing torque	nal size	D2	L1	L2	L3	=©	piece			
D1		[Nm]	[mm]						[g}			
G thread with	sealing ring											
G1/8	6	5	4.5	7	34.7	4.9	24.2	13	9	15630	N-1/8-P-6-MS	10
G1/4	6	12	4.5	7	37.1	5.8	24.1	17	18	15631	N-1/4-P-6-MS	10
	9	12	6.5	10	37.1	5.8	24.1	17	20	15632	N-1/4-P-9-MS	10
G3/8	6	15	4.5	7	38.1	6.8	24.1	19	26	15633	N-3/8-P-6-MS	10
	9	15	7.6	10	38.1	6.8	24.1	19	25	15634	N-3/8-P-9-MS	10
	13	15	11	14.8	45.4	6.8	30	19	243	36161	N-3/8-P-13-MS	1
G1/2	9	18	8	10.3	39.5	8.15	24	24	44	15635	N-1/2-P-9-MS	1
	13	18	11	14.8	45.5	8.15	30	24	45	15636	N-1/2-P-13-MS	1
G3/4	13	40	11	14.8	50	9.05	30	32	94	15637	N-3/4-P-13-MS	1
	19	40	16.5	20.8	56	9.05	36	32	96	15638	N-3/4-P-19-MS	1

<sup>1)</sup> Packaging unit

### Hose clips SK

### Datasheet

### Hose clip SK

to DIN 3017

The hose clips are provided with a screw thread. 9 mm band width.



Materials					
Housing	Steel				
Ordering data					
Clamping range Ø		Weight/piece	Part no.	Туре	PU <sup>1)</sup>
[mm]		[g]			
8 16		7	9274	SK-8-16	10
16 27		12	9275	SK-16-27	10
20 32		13	9276	SK-20-32	10

<sup>1)</sup> Packaging unit

### **Festo - Your Partner in Automation**





1 Festo Inc.

5300 Explorer Drive Mississauga, ON L4W 5G4 Canada

#### **Festo Customer Interaction Center**

Tel: 1877 463 3786 Fax: 1877 393 3786



2 Festo Pneumatic

Av. Ceylán 3, Col. Tequesquináhuac 54020 Tlalnepantla, Estado de México

### **Multinational Contact Center**

01 800 337 8669



3 Festo Corporation

1377 Motor Parkway Suite 310 Islandia, NY 11749



**Regional Service Center** 

7777 Columbia Road Mason, OH 45040

#### **Festo Customer Interaction Center**

1 800 993 3786 1 800 963 3786 customer.service.us@festo.com







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