



rtc[®]

COUPLING TECHNOLOGY
www rtc-couplings.com



025

rtc TYPE



DN 7.8 mm Pneumatic Coupling

TYPE 025



Compatible - Kompatibilität

rtc	463.08
rtc	026
Rectus	25KA, 26KA
Cejn	320
Tema	1600

Temperature Range - Temperaturbereich

Nitrile (N)	-20°C + 100°C (- 4°F + 212°F)
FPM (V)	-20°C + 180°C (- 4°F + 356°F)
EPDM (Ethylene Propylene)	-40°C + 150°C (- 40°F + 302°F)

Working Pressure - Betriebsdruck

35 Bar (510 PSI)

Flow size - Nennweite

rtc type 025 7.8 mm

Standard version - Standardversion

Seals - Dichtung : Nitrile (N)

Material of Standard Coupler

Material für die Standardversion

Socket body - Kupplungsgrundkörper	Brass Nickel Plated - Messing vernickelt
Sleeve - Hülse	Steel Nickel Plated - Stahl vernickelt
Springs - Federn	Stainless Steel - Edelstahl
Balls - Kugeln	Stainless Steel - Edelstahl
Plug - Nippel	Steel zinc-nickel plated - Stahl Zink-Nickel beschichtet

Technical Specifications & Advantages

- Advantage of one hand operation.
- High performance valve with increased flow rate and minimised pressure loss.
- Corrosion resistant.

Technische Daten und Vorteile

- Vorteil durch Einhandbedienung.
- Ventil mit hohem Durchfluss und geringem Druckverlust.
- Korrosionsbeständig

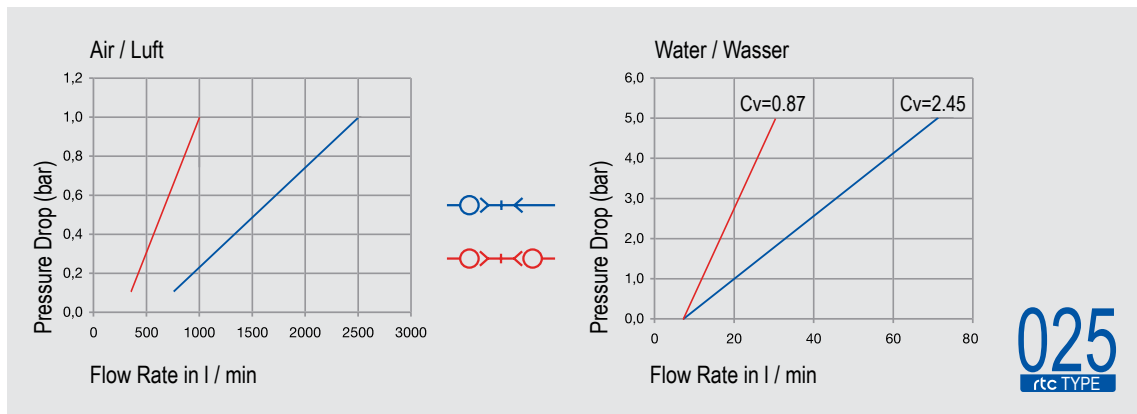
Material of Brass Coupler

Material für die Messingversion

Socket body	Brass -
Kupplungsgrundkörper	Messing
Sleeve - Hülse	Brass - Messing
Springs - Federn	Stainless Steel - Edelstahl
Balls - Kugeln	Stainless Steel - Edelstahl
Plug - Nippel	Brass - Messing



Flow Rate vs Pressure Drop Graph



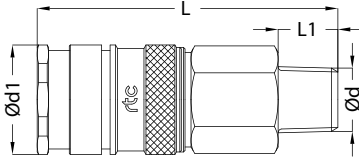
025
rtc TYPE




rtc TYPE 025

Male thread socket / Kupplung mit Aussengewinde



Sockets / Kupplungen



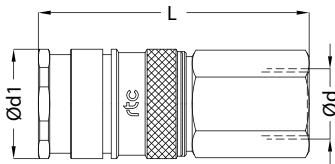
Size / Größe	Order No / Bestellnr. 	Order No / Bestellnr. 	Order No / Bestellnr. 	Ød	Ød1	L	L1	HEX.
7.8	025 SRB 10	025 SRO 10	025 SRF 10	BSPT 1/8	22	57	9	19
7.8	025 SRB 13	025 SRO 13	025 SRF 13	BSPT 1/4	22	60	12	19
7.8	025 SRB 17	025 SRO 17	025 SRF 17	BSPT 3/8	22	59	12	19
7.8	025 SRB 21	025 SRO 21	025 SRF 21	BSPT 1/2	22	57	17	22
7.8	025 STB 13	025 STO 13	025 STF 13	NPT 1/4	22	60	12	19
7.8	025 STB 17	025 STO 17	025 STF 17	NPT 3/8	22	59	12	19
7.8	025 STB 21	025 STO 21	025 STF 21	NPT 1/2	22	57	17	22
7.8	025 SMB 13	025 SMO 13	025 SMF 13	BSP 1/4	22	57	9	19
7.8	025 SMB 17	025 SMO 17	025 SMF 17	BSP 3/8	22	57	10	19
7.8	025 SMB 21	025 SMO 21	025 SMF 21	BSP 1/2	22	52	12	22
7.8	025 SMB 1415	025 SMO 1415	025 SMF 1415	M14x1.5	22	58	10	19
7.8	025 SMB 1615	025 SMO 1615	025 SMF 1615	M16x1.5	22	58	11	19
7.8	025 SMB 1815	025 SMO 1815	025 SMF 1815	M18x1.5	22	58	11	19




rtc TYPE 025

Female thread socket / Kupplung mit Innengewinde



Sockets / Kupplungen



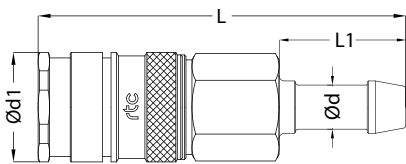
Size / Größe	Order No / Bestellnr. 	Order No / Bestellnr. 	Order No / Bestellnr. 	Ød	Ød1	L	HEX.
7.8	025 SFB 10	025 SFO 10	025 SFF 10	BSP 1/8	22	55	19
7.8	025 SFB 13	025 SFO 13	025 SFF 13	BSP 1/4	22	55	19
7.8	025 SFB 17	025 SFO 17	025 SFF 17	BSP 3/8	22	54	19
7.8	025 SFB 21	025 SFO 21	025 SFF 21	BSP 1/2	22	57	24
7.8	025 SNB 13	025 SNO 13	025 SNF 13	NPT 1/4	22	58	19
7.8	025 SNB 17	025 SNO 17	025 SNF 17	NPT 3/8	22	58	19
7.8	025 SNB 21	025 SNO 21	025 SNF 21	NPT 1/2	22	62	24




rtc TYPE 025

Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle



Sockets / Kupplungen



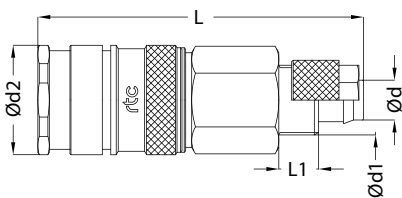
Size / Größe	Order No / Bestellnr. 	Order No / Bestellnr. 	Order No / Bestellnr. 	Ød	Ød1	L	L1
7.8	025 SHB 06	025 SHO 06	025 SHF 06	6 mm	22	71	23
7.8	025 SHB 08	025 SHO 08	025 SHF 08	8 mm	22	71	23
7.8	025 SHB 09	025 SHO 09	025 SHF 09	9 mm	22	71	23
7.8	025 SHB 10	025 SHO 10	025 SHF 10	10 mm	22	71	23
7.8	025 SHB 13	025 SHO 13	025 SHF 13	13 mm	22	71	23




rtc TYPE 025

Socket with plastic hose connection / Kupplung mit Kunststoffschlauch



Sockets / Kupplungen



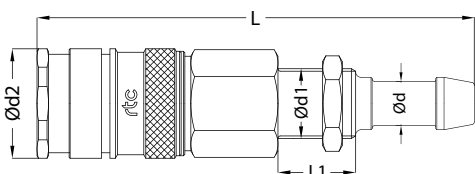
Size / Größe	Order No / Bestellnr. 	Order No / Bestellnr. 	Order No / Bestellnr. 	Ød	Ød1	Ød2	L
7.8	025 SVB 0406	025 SVO 0406	025 SVF 0406	4x6 mm	M10x1	22	61
7.8	025 SVB 0608	025 SVO 0608	025 SVF 0608	6x8 mm	M12x1	22	61
7.8	025 SVB 0810	025 SVO 0810	025 SVF 0810	8x10 mm	M16x1	22	65
7.8	025 SVB 0912	025 SVO 0912	025 SVF 0912	9x12 mm	M16x1	22	67




rtc TYPE 025

Panel Mount Hose Barb / Schottverschraubung für Schlauchanschluss



Sockets / Kupplungen

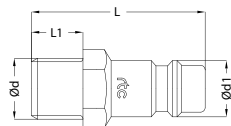


Size / Größe	Order No / Bestellnr. 	Order No / Bestellnr. 	Order No / Bestellnr. 	Ød	Ød1	Ød2	L	L1	HEX.
7.8	025 SHBP 06	025 SHOP 06	025 SHFP 06	6	M12x1	22	74	10	19
7.8	025 SHBP 08	025 SHOP 08	025 SHFP 08	8	M12x1	22	78	14	19
7.8	025 SHBP 10	025 SHOP 10	025 SHFP 10	10	BSP 1/4	22	82	14	19



Male thread plug / Nippel mit Aussengewinde

TYPE 025

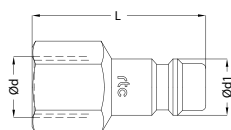


Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	L	L1	HEX.
	7.8	025 PRF 10	BSPT 1/8	12	34	9	14
	7.8	025 PRF 13	BSPT 1/4	12	38	12	14
	7.8	025 PRF 17	BSPT 3/8	12	40	12	17
	7.8	025 PRF 21	BSPT 1/2	12	47	17	22
	7.8	025 PTF 10	NPT 1/8	12	34	9	14
	7.8	025 PTF 13	NPT 1/4	12	38	12	14
	7.8	025 PTF 17	NPT 3/8	12	40	12	17
	7.8	025 PTF 21	NPT 1/2	12	47	17	22
	7.8	025 PMF 10	BSP 1/8	12	34	8	14
	7.8	025 PMF 13	BSP 1/4	12	37	11	14
	7.8	025 PMF 17	BSP 3/8	12	39	11	19
	7.8	025 PMF 21	BSP 1/2	12	43	13	22
	7.8	025 PMF 1415	M14x1.5	12	38	10	17
	7.8	025 PMF 1615	M16x1.5	12	39	11	19
	7.8	025 PMF 1815	M18x1.5	12	39	11	20



Female thread plug / Nippel mit Innengewinde

TYPE 025

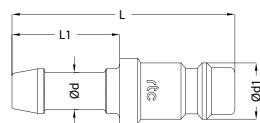


Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	L	HEX.
	7.8	025 PFF 10	BSP 1/8	12	33	14
	7.8	025 PFF 13	BSP 1/4	12	38	17
	7.8	025 PFF 17	BSP 3/8	12	39	19
	7.8	025 PFF 21	BSP 1/2	12	43	24
	7.8	025 PNF 10	NPT 1/8	12	33	14
	7.8	025 PNF 13	NPT 1/4	12	38	17
	7.8	025 PNF 17	NPT 3/8	12	40	19
	7.8	025 PNF 21	NPT 1/2	12	43	24
	7.8	025 PFF 1415	M14x1.5	12	38	17
	7.8	025 PFF 1615	M16x1.5	12	39	19
	7.8	025 PFF 1815	M18x1.5	12	40	22



Standard hose tail plug / Nippel mit gerader Standard - Schlauchtülle

TYPE 025

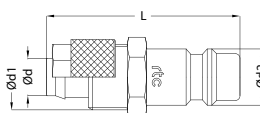


Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	L	L1
	7.8	025 PHF 06	6 mm	12	50	23
	7.8	025 PHF 08	8 mm	12	50	23
	7.8	025 PHF 09	9 mm	12	50	23
	7.8	025 PHF 10	10 mm	12	50	23
	7.8	025 PHF 13	13 mm	12	50	23



Plug with plastic hose connection / Nippel mit Kunststoffschlauch

TYPE 025

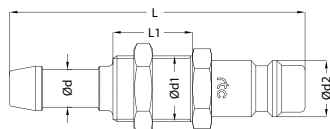


Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	Ød2	L
	7.8	025 PVF 0406	4x6 mm	M10x1	12	37
	7.8	025 PVF 0608	6x8 mm	M12x1	12	37
	7.8	025 PVF 0810	8x10 mm	M16x1.5	12	48
	7.8	025 PVF 0912	9x12 mm	M16x1.5	12	48



Panel Mount Hose Barb / Schottverschraubung für Schlauchanschluss

TYPE 025

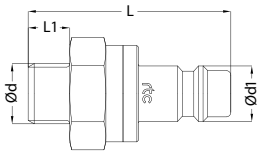


Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	Ød2	L	L1	HEX.
	7.8	025 PHFP 06	6 mm	M12x1	12	57	17	14
	7.8	025 PHFP 08	8 mm	M12x1	12	57	17	14
	7.8	025 PHFP 10	10 mm	M14x1	12	57	17	17

rtc TYPE 025

Male thread plug with valve / Nippel mit Aussengewinde mit Ventil

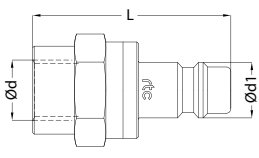


Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1	HEX.
	7.8	025 PMB 10	BSP 1/8	12	43	8	21
	7.8	025 PMB 13	BSP 1/4	12	44	9	21
	7.8	025 PMB 17	BSP 3/8	12	44	9	21
	7.8	025 PMB 21	BSP 1/2	12	45	12	22
	7.8	025 PMB 1415	M14x1.5	12	45	10	21
	7.8	025 PMB 1615	M16x1.5	12	45	10	21
	7.8	025 PMB 1815	M18x1.5	12	45	10	21

rtc TYPE 025

Female thread plug with valve / Nippel mit Innengewinde mit Ventil

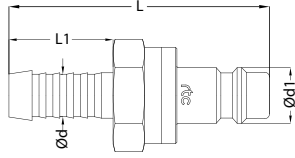


Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	HEX.
	7.8	025 PFB 10	BSP 1/8	12	42	21
	7.8	025 PFB 13	BSP 1/4	12	43	21
	7.8	025 PFB 17	BSP 3/8	12	43	21
	7.8	025 PFB 21	BSP 1/2	12	46	24
	7.8	025 PFB 1415	M14x1.5	12	45	21
	7.8	025 PFB 1615	M16x1.5	12	45	21
	7.8	025 PFB 1815	M18x1.5	12	45	22

rtc TYPE 025

Standard hose tail plug with valve / Nippel mit gerader Standard - Schlauchtülle mit Ventil

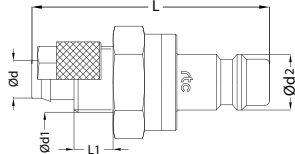


Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1
	7.8	025 PHB 04	4 mm	12	57	23
	7.8	025 PHB 06	6 mm	12	57	23
	7.8	025 PHB 08	8 mm	12	57	23
	7.8	025 PHB 09	9 mm	12	57	23
	7.8	025 PHB 10	10 mm	12	57	23
	7.8	025 PHB 13	13 mm	12	57	23

rtc TYPE 025

Plastic hose connection plug with valve / Nippel mit gerader Kunststoffschlauch mit Ventil

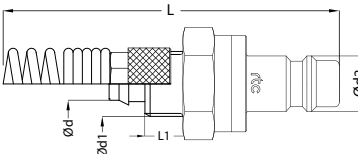


Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	Ød2	L
	7.8	025 PVB 0406	4x6 mm	M10x1	12	48
	7.8	025 PVB 0608	6x8 mm	M12x1	12	48
	7.8	025 PVB 0810	8x10 mm	M14x1	12	52
	7.8	025 PVB 0912	9x12 mm	M16x1	12	52

rtc TYPE 025

Plastic hose connection plug with spring guard with valve / Nippel Knickschutzfeder mit Ventil

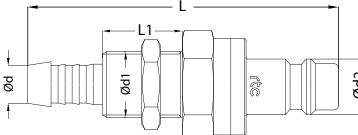


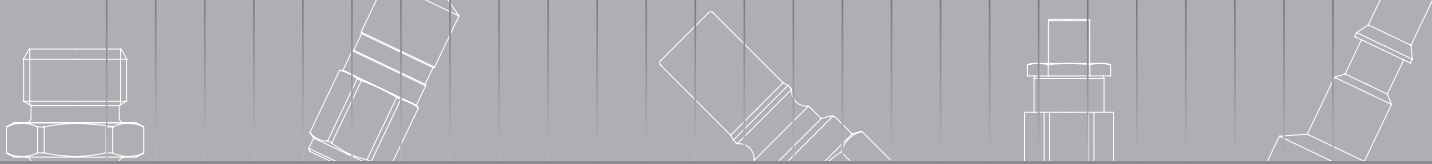
Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	Ød2	L
	7.8	025 PVBG 0406	4x6 mm	M10x1	12	110
	7.8	025 PVBG 0608	6x8 mm	M12x1	12	120
	7.8	025 PVBG 0810	8x10 mm	M14x1	12	130
	7.8	025 PVBG 0912	9x12 mm	M16x1	12	140

rtc TYPE 025

Panel mount hose barb plug with valve / Nippel Schottverschraubung für Schlauchanschluss mit Ventil



Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	Ød2	L	L1	HEX.
	7.8	025 PHBP 06	6 mm	M10x1	12	61	10	21
	7.8	025 PHBP 08	8 mm	M12x1	12	65	14	21
	7.8	025 PHBP 10	10 mm	M14x1	12	72	14	21



Compatible - Kompatibilität

Rectus 25KA
 Rectus 25KB (Double Shut-off)

Temperature Range - Temperaturbereich

Nitrile (N) -20°C + 100°C (-4°F + 212°F)
 FPM (V) -20°C + 180°C (-4°F + 356°F)
 EPDM (Ethylene Propylene) -40°C + 150°C (-40°F + 302°F)

Working Pressure - Betriebsdruck

35 Bar (510 PSI)

Flow size - Nennweite

rtc type 025 7.8 mm

Standard version - Standardversion

Seals - Dichtung : Nitrile (N)

Material of Standard Coupler

Material für die Standardversion

Socket body	Brass nickel plated -
Kupplungsgrundkörper	Messing vernickelt
Sleeve	Brass nickel plated -
Hülse	Messing vernickelt
Springs - Federn	Stainless Steel - Edelstahl
Balls - Kugeln	Stainless Steel - Edelstahl

Plug	Brass nickel plated -
Nippel	Messing vernickelt

Coded version: Kindly add the no of edges of the shape at the beginning of the Ød. Shown below. Additives shown in red.

Kodierte Version: Bitte fügen Sie das Kürzel der Form in die Artikelnummer hinzu. Zusatzoptionen sind Rot angezeigt

Example Code: 025 PFF 013 - Round Coded
 025 PFF 213 - 2 Face Coded
 025 PFF 313 - Triangle Coded
 025 PFF 513 - Pentagonal Coded
 025 PFF 613 - Hexagonal Coded
 025 PFF 713 - Hexagonal Coded
 025 PFF 813 - Octagonal Coded



rtc TYPE 025

CODE EXPLANATIONS



"0" Code



Example:
025 SMO 013

"2" Code



Example:
025 SMO 213

"3" Code



Example:
025 SMO 313

"5" Code



Example:
025 SMO 513

"6" Code



Example:
025 SMO 613

"7" Code



Example:
025 SMO 713

"8" Code



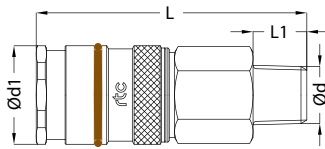
Example:
025 SMO 813







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Male thread socket / Kupplung mit Aussengewinde



Sockets / Kupplungen



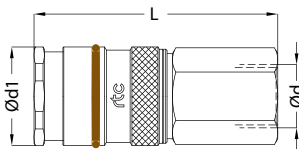
Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr.  	Order No / Bestellnr.  	Ød	Ød1	L	L1	HEX.
7.8	025 SRB 313	025 SRO 313	025 SRF 313	BSPT 1/4	22	60	12	19
7.8	025 SRB 317	025 SRO 317	025 SRF 317	BSPT 3/8	22	59	12	19
7.8	025 SRB 321	025 SRO 321	025 SRF 321	BSPT 1/2	22	57	17	22
7.8	025 SMB 313	025 SMO 313	025 SMF 313	BSP 1/4	22	57	9	19
7.8	025 SMB 317	025 SMO 317	025 SMF 317	BSP 3/8	22	57	10	19
7.8	025 SMB 321	025 SMO 321	025 SMF 321	BSP 1/2	22	52	12	22







rtc TYPE 025

Female thread socket / Kupplung mit Innengewinde



Sockets / Kupplungen



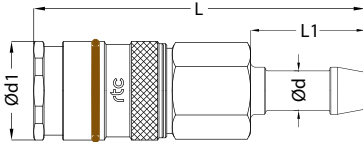
Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr.  	Order No / Bestellnr.  	Ød	Ød1	L	HEX.
7.8	025 SFB 313	025 SFO 313	025 SFF 313	BSP 1/4	22	55	19
7.8	025 SFB 317	025 SFO 317	025 SFF 317	BSP 3/8	22	54	19
7.8	025 SFB 321	025 SFO 321	025 SFF 321	BSP 1/2	22	57	24
7.8	025 SNB 313	025 SNO 313	025 SNF 313	NPT 1/4	22	58	19
7.8	025 SNB 317	025 SNO 317	025 SNF 317	NPT 3/8	22	58	19
7.8	025 SNB 321	025 SNO 321	025 SNF 321	NPT 1/2	22	62	24







rtc TYPE 025

Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle



Sockets / Kupplungen



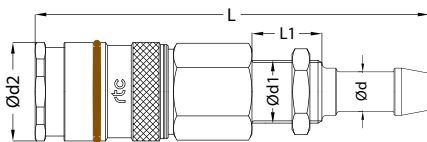
Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr.  	Order No / Bestellnr.  	Ød	Ød1	L	L1
7.8	025 SHB 306	025 SHO 306	025 SHF 306	6 mm	22	71	23
7.8	025 SHB 308	025 SHO 308	025 SHF 308	8 mm	22	71	23
7.8	025 SHB 309	025 SHO 309	025 SHF 309	9 mm	22	71	23
7.8	025 SHB 310	025 SHO 310	025 SHF 310	10 mm	22	71	23
7.8	025 SHB 313	025 SHO 313	025 SHF 313	13 mm	22	71	23

rtc TYPE 025

Panel Mount Hose Barb / Schottverschraubung für Schlauchanschluss



Sockets / Kupplungen



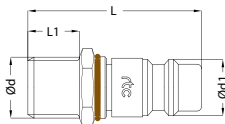
Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr.  	Order No / Bestellnr.  	Ød	Ød1	Ød2	L	L1	HEX.
7.8	025 SHBP 306	025 SHOP 306	025 SHFP 306	6	M12x1	22	74	10	19
7.8	025 SHBP 308	025 SHOP 308	025 SHFP 308	8	M12x1	22	78	14	19
7.8	025 SHBP 310	025 SHOP 310	025 SHFP 310	10	BSP 1/4	22	82	14	19


rtc TYPE 025

Male thread plug / Nippel mit Aussengewinde

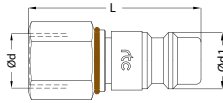


Plugs / Nippel

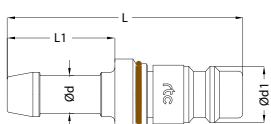


Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil 	Ød	Ød1	L	L1	HEX.
7.8	025 PRF 313	BSPT 1/4	12	38	12	14
7.8	025 PRF 317	BSPT 3/8	12	40	12	17
7.8	025 PRF 321	BSPT 1/2	12	47	17	22
7.8	025 PTF 313	NPT 1/4	12	38	12	14
7.8	025 PTF 317	NPT 3/8	12	40	12	17
7.8	025 PTF 321	NPT 1/2	12	47	17	22
7.8	025 PMF 313	BSP 1/4	12	37	11	14
7.8	025 PMF 317	BSP 3/8	12	39	11	19
7.8	025 PMF 321	BSP 1/2	12	43	13	22

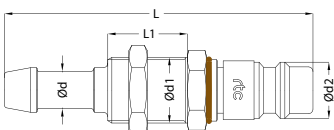
Female thread plug / Nippel mit Innengewinde TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	L	HEX.
	7.8	025 PFF 313	BSP 1/4	12	38	17
	7.8	025 PFF 317	BSP 3/8	12	39	19
	7.8	025 PFF 321	BSP 1/2	12	43	24
	7.8	025 PNF 313	NPT 1/4	12	38	17
	7.8	025 PNF 317	NPT 3/8	12	40	19
	7.8	025 PNF 321	NPT 1/2	12	43	24

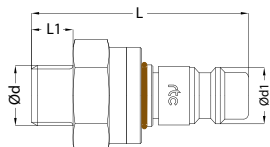
Standard hose tail plug / Nippel mit gerader Standard - Schlauchtülle TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	L	L1
	7.8	025 PHF 306	6 mm	12	50	23
	7.8	025 PHF 308	8 mm	12	50	23
	7.8	025 PHF 309	9 mm	12	50	23
	7.8	025 PHF 310	10 mm	12	50	23
	7.8	025 PHF 313	13 mm	12	50	23

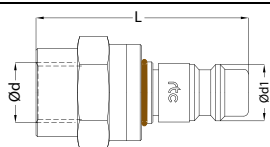
Panel Mount Hose Barb / Schottverschraubung für Schlauchanschluss TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	Ød2	L	L1	HEX.
	7.8	025 PHFP 306	6 mm	M12x1	12	57	17	14
	7.8	025 PHFP 308	8 mm	M12x1	12	57	17	14
	7.8	025 PHFP 310	10 mm	M14x1	12	57	17	17

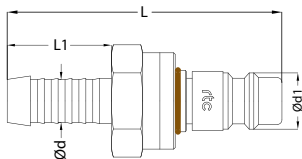
Male thread plug with valve / Nippel mit Aussengewinde mit Ventil TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1	HEX.
	7.8	025 PMB 313	BSP 1/4	12	44	9	21
	7.8	025 PMB 317	BSP 3/8	12	44	9	21
	7.8	025 PMB 321	BSP 1/2	12	45	12	22

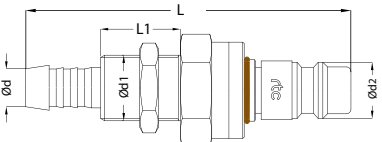
Female thread plug with valve / Nippel mit Innengewinde mit Ventil TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	HEX.
	7.8	025 PFB 313	BSP 1/4	12	43	21
	7.8	025 PFB 317	BSP 3/8	12	43	21
	7.8	025 PFB 321	BSP 1/2	12	46	24

Standard hose tail plug with valve / Nippel mit gerader Standard - Schlauchtülle mit Ventil TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1
	7.8	025 PHB 304	4 mm	12	57	23
	7.8	025 PHB 306	6 mm	12	57	23
	7.8	025 PHB 308	8 mm	12	57	23
	7.8	025 PHB 309	9 mm	12	57	23
	7.8	025 PHB 310	10 mm	12	57	23
	7.8	025 PHB 313	13 mm	12	57	23

Panel mount hose barb plug with valve / Nippel Schottverschraubung für Schlauchanschluss mit Ventil TYPE 025 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	Ød2	L	L1	HEX.
	7.8	025 PHBP 306	6 mm	M10x1	12	61	10	21
	7.8	025 PHBP 308	8 mm	M12x1	12	65	14	21
	7.8	025 PHBP 310	10 mm	M14x1	12	72	14	21