



# Quick Coupling for Compressed Air



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## Table of Contents

1. QUICK RELEASE SAFETY COUPLINGS - ISO B.....	3
2. QUICK RELEASE SAFETY COUPLINGS - EURO PROFILE.....	5
3. QUICK RELEASE SAFETY COUPLINGS WITH BUTTON - ISO C.....	7
4. MULTI QUICK COUPLINGS AND PLUGS (5 / 5.5 / 7.5 – 7.8 MM).....	9
5. MINI QUICK COUPLINGS AND PLUGS (5 MM).....	11
6. HIGH FLOW QUICK COUPLING AND PLUG EUROPEAN PROFILE .....	13



## 1. QUICK RELEASE SAFETY COUPLINGS - ISO B

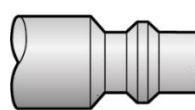


MECALINE coupling enable connection and disconnection in complete safety, via a pressurisation mechanism that guarantees disconnection with no risk of hose-whip

Our safety couplings are compliant with the ISO 4414 standard.

Standards: ISO 6150 B Ø 6 mm

Flow: 833l /min to 6 bars using Delta P 10%.



**Applications:** Compress air

**Temperature limits:** Operating temperature: -15/+70 °C

### Security system release by 2 opposing movements

**Disconnection:** The coupling and adapter are connected when the collar on the coupling is moved, the adapter moves back, releasing the valve which then closes.



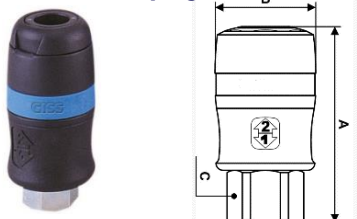
1. **Depressurisation of the network in the downline circuit.**
2. **Safe disconnection of the coupling adapter.**

**Male Threaded Couplings ISO B**



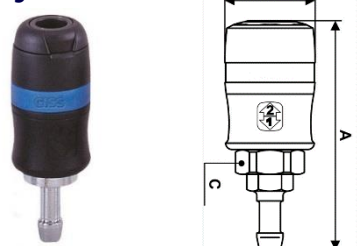
Code	Connection	A	B	C
736032	R 1/4	74,5	30,2	17
736033	R 3/8	77	30,2	23
736034	R 1/2	79	30,2	23

**Female Threaded Couplings ISO B**



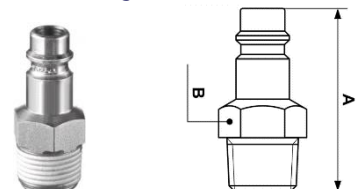
Code	Connection	A	B	C
736028	G 1/4	64	30,2	17
736029	G 3/8	71	30,2	23
736030	G 1/2	77	30,2	25

**Coupling ISO B for Hose**



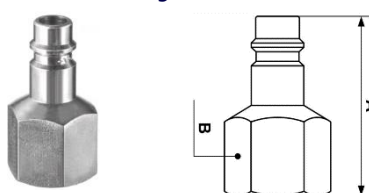
Code	Hose Internal Diameter	A	B	C
736036	6	82	30,2	-
736037	8	82	30,2	-
736038	10	82	30,2	-

**Male Threaded Plug ISO B**



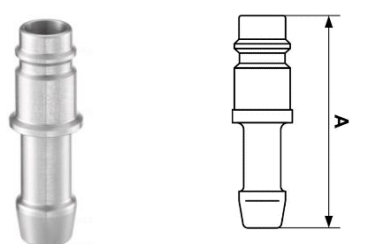
Code	Connection	A	B
612836	R 1/4	39.5	13
669056	R 3/8	42	17
860297	R 1/2	39	24

**Female Threaded Plug ISO B**



Code	Connection	A	B
612835	G1/4	40.5	15
734788	G3/8	45	21
860296	G1/2	39.5	24

**Hose barb Plug ISO B**



Code	Hose Internal Diameter	A
612837	6	49
612838	8	50
612839	10	50
736015	13	85

## 2. QUICK RELEASE SAFETY COUPLINGS - EUROPEAN PROFILE



MECALINE coupling enable connection and disconnection in complete safety, via a pressurisation mechanism that guarantees disconnection with no risk of hose-whip

Our safety couplings are compliant with the ISO 4414 standard.

Standards: European Profile

Port Size: EURO 7.4 mm

Flow: 820 l/min to 12 bars using Delta P 10%.

Flow: 1470 l/min to 6 bars using Delta P 10%.

**Applications:** Compress air

**Temperature limits:** Operating temperature: -15/+70 °C



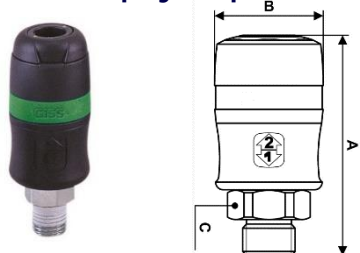
### Security system release by 2 opposing movements

**Disconnection:** The coupling and adapter are connected when the collar on the coupling is moved, the adapter moves back, releasing the valve which then closes.



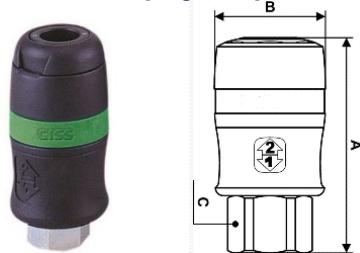
1. **Depressurisation of the network in the downline circuit.**
2. **Safe disconnection of the coupling adapter.**

**Male Threaded Couplings European Profile**



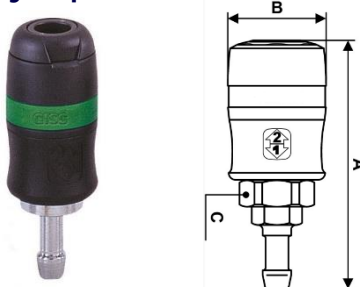
Code	Connection	A	B	C
880683	R1/4	71	33	21
880684	R3/8	72	33	21
880685	R1/2	75	33	25

**Female Threaded Couplings European Profile**



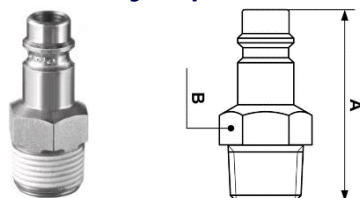
Code	Connection	A	B	C
880680	G1/4	60	33	21
880681	G3/8	60	33	21
880682	G1/2	70	33	25

**Coupling European Profile for Hose**



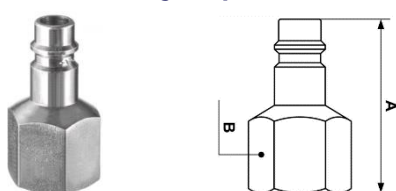
Code	Hose Internal Diameter	A	B	C
880686	6	78	33	-
880687	8	78	33	-
880688	10	78	33	-
880689	13	83	83	-

**Male Threaded Plug European Profile**



Code	Connection	A	B
880694	R1/4	35.5	13
880695	R3/8	41	17
880696	R1/2	52	24

**Female Threaded Plug European Profile**



Code	Connection	A	B
880691	G1/4	40	15
880692	G3/8	41	21
880693	G1/2	44	27

**Hose barb Plug European Profile**



Code	Hose Internal Diameter	A
880697	6	44.5
880698	8	46
880699	10	46
880700	13	51.5

### 3. QUICK RELEASE SAFETY COUPLINGS WITH BUTTON - ISO C



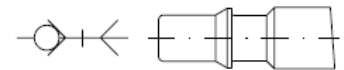
Pressing the button first decompress the line, then with a second press of the button where there is a safe release of the coupling without the risk of whiplash.

Robust Anodised Aluminium body.

Standards: ISO 4414 - DIN EN 983 - ISO 6150 Series C

Port size: 5.5 mm

Flow: 680l/min to 6 bars using Delta P 10%.

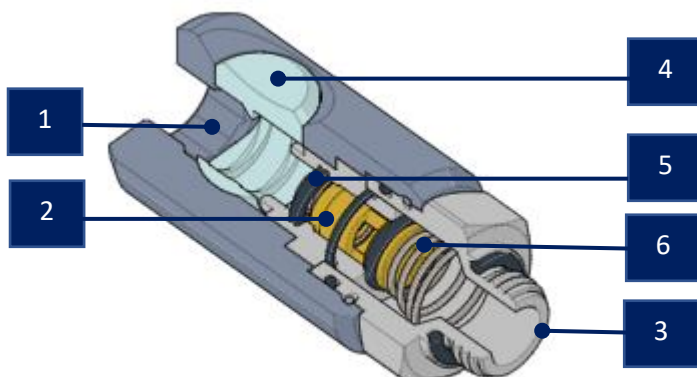
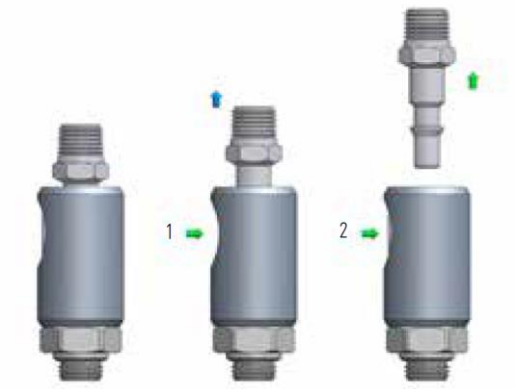


#### Application:

- Compressed Air & Tools
- Pneumatic & Fluid technology
- Life & Sciences

#### Specification:

- Fluids: Air, vacuum
- Working Pressure: 12 Bar
- Temperature range: -20°C -> 80°C
- Flow Rate: 680 NI/min

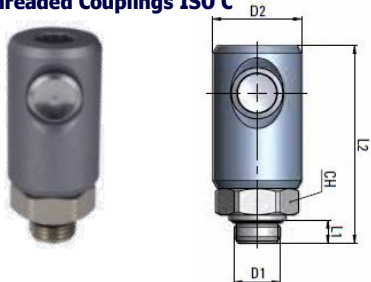


#### Material:

1. Body: Anodised Aluminium Al2011
2. Valve: Brass UNI EN 12164 CW614N
3. Thread: Brass nickel plated UNI EN 12164 CW614N
4. Button: Hardened, zinc plated steel 11SMnPb37
5. Seals: NBR
6. Springs: Stainless Steel AISI 302

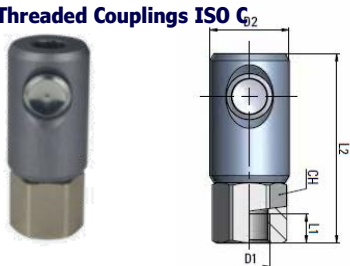


**Male Threaded Couplings ISO C**



Code	D1	D2	L1	L2	CH
894381	G1/4	25	6.5	56.1	21
894382	G3/8	25	7	56.1	21
894383	G1/2	25	8.5	58.6	25

**Female Threaded Couplings ISO C**



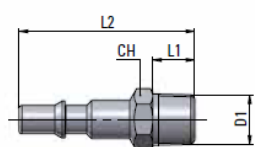
Code	D1	D2	L1	L2	CH
894377	G1/4	25	9	59.6	21
894378	G3/8	25	10	61.6	21
894379	G1/2	25	11	63.6	24

**Coupling ISO C for Hose**



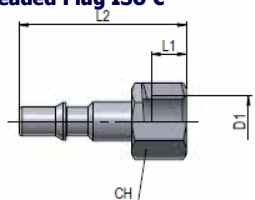
Code	Hose Internal Diameter	D1	D2	L1	CH
894385	6	7	25	74.6	21
894386	8	9	25	74.6	21
894387	10	11	25	74.6	21

**Male Threaded Plug ISO C**



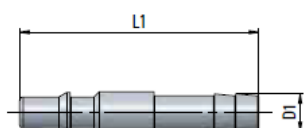
Code	D1	L1	L2	CH
894393	R1/4	11	46	14
894394	R3/8	11.5	46.5	17
894395	R1/2	14	49	22

**Female Threaded Plug ISO C**



Code	D1	L1	L2	CH
894389	G1/4	9.5	43	17
894390	G3/8	10.5	45	20
894391	G1/2	11	47	24

**Hose barb Plug ISO C**



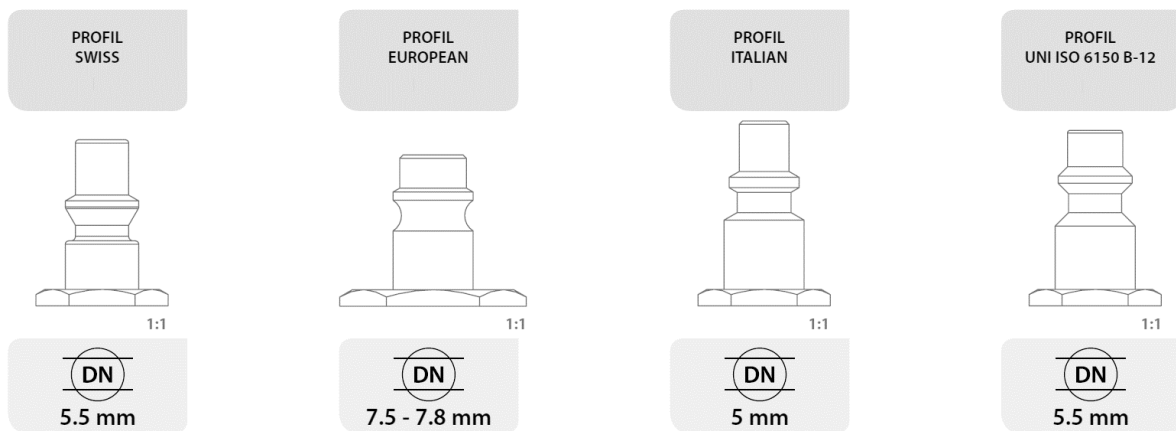
Code	Hose Internal Diameter	D1	L1
894397	6	7	57
894398	8	9	57
894399	10	11	57



## 4. MULTI QUICK COUPLINGS AND PLUGS (5 / 5.5 / 7.5 – 7.8 MM)



MULTI quick coupling is a practical and cost-effective solution to connect a single coupling with 4 different types of plug profiles: European (7.5-7.8 mm), ISO B12 (5.5mm), Italian (5mm) and Swiss (5.5mm). The special designed of the couplings allows an easy assemble with different profiles, ensuring a perfect tightening.



### Interchangeability:

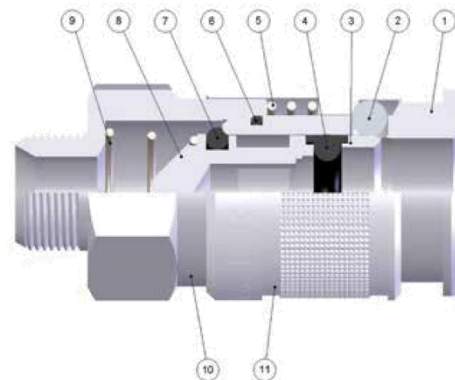
- Rectus Parker
- Camozzi
- CEJN
- Aignep

### Application:

- Compressed Air & Tools
- Pneumatic & Fluid technology
- Life & Sciences

### Specification:

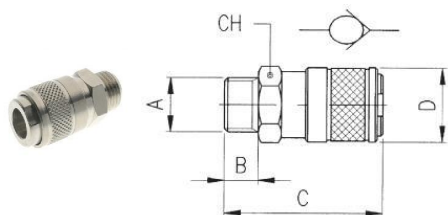
- Fluids: Air, vacuum
- Working Pressure: 16 Bar
- Max Static Pressure: 35 Bar
- Temperature range: -20°C -> 80°C



### Material:

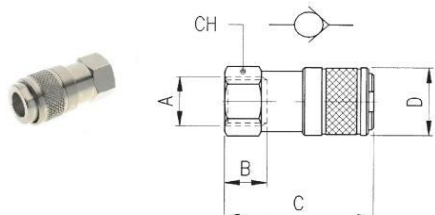
- (1) Nickel-Plated Brass Body
- (2) Stainless Steel AISI 420 Balls
- (3) Nickel-Plated Brass Guide Ring Coupling
- (4) NBR O-Ring Seals
- (5) Stainless Steel AISI 302 Ring Nut Spring
- (6) NBR O-Ring Seals
- (7) NBR O-Ring Seals
- (8) Nickel-Plated Brass Shutter
- (9) Stainless Steel AISI 302 Shutter Spring
- (10) Nickel-Plated Brass Coupling Back Part
- (11) Nickel-Plated Brass Sleeve

**Male Threaded Couplings Multiprofile**



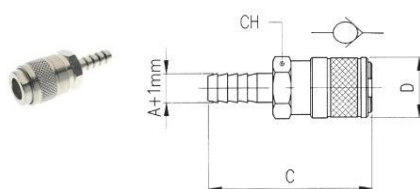
Code	A	B	C	D	CH
884663	1/4	8	49	24	21
884664	3/8	9	50	24	21
884665	1/2	10	51	24	24

**Female Threaded Couplings Multiprofile**



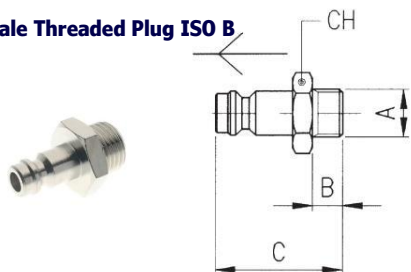
Code	A	B	C	D	CH
884667	1/4	11	51	24	21
884668	3/8	11.5	51	24	21
884669	1/2	14	55	24	24

**Coupling for Hose Multiprofile**



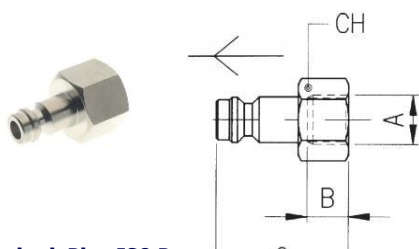
Code	A	C	D	CH
884671	6	61	24	21
884672	8	61	24	21
884673	10	61	24	21
884674	12	61	24	21

**Male Threaded Plug ISO B**



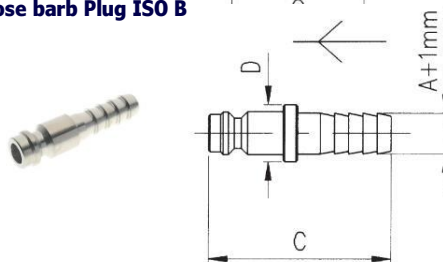
Code	A	B	C	CH
884676	1/4	8	36.5	17
884677	3/8	9	37.5	19
884678	1/2	10	39	24

**Female Threaded Plug ISO B**



Code	A	B	C	CH
884680	1/4	11	36.5	17
884681	3/8	11.5	37	19
884682	1/2	14	39.5	24

**Hose barb Plug ISO B**



Code	A	C	D	CH
884684	4	43.5	12	884684
884685	6	43.5	12	884685
884686	10	46	14	884686
884687	12	46	16	884687

## 5. MINI QUICK COUPLINGS AND PLUGS (5 MM)



Mini industrial coupling and plugs (5 mm diameter) with single shut off are the world's most popular profile in this nominal diameter. Suitable for compressed air and water and a wide range of liquid and gaseous media. Coupling system with single-hand operation.



### Interchangeability:

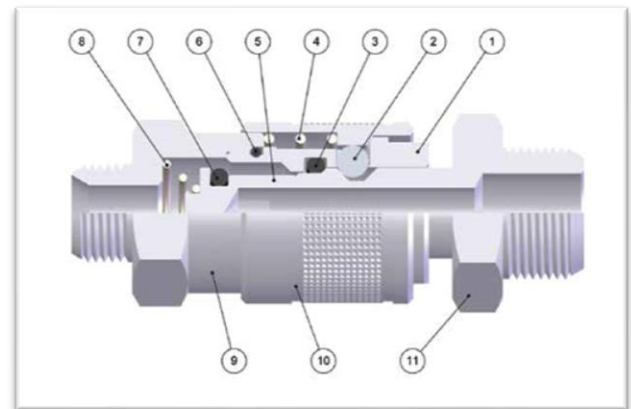
- Rectus Parker Serie 21/90
- Camozzi 5050/5150
- CEJN 200
- Aignep Serie 120/210

### Application:

- Compressed Air & Tools
- Pneumatic & Fluid technology
- Life & Sciences

### Specification:

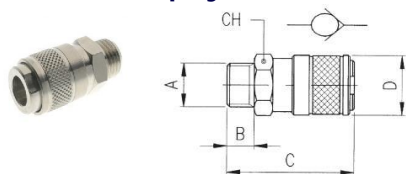
- Fluids: Air, vacuum
- Working Pressure: 12 Bar
- Max Static Pressure: 35 Bar
- Temperature range: -20°C -> 80°C
- Flow Rate: 550 NI/min



### Material:

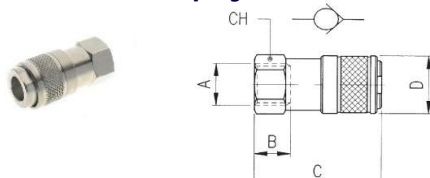
- (1) Nickel-Plated Brass Body
- (2) Stainless Steel AISI 420 Balls
- (3) NBR O-Ring Seals
- (4) Stainless Steel AISI 302 Ring Nut Spring
- (5) Nickel-Plated Brass Shutter
- (6) NBR O-Ring Seals
- (7) NBR O-Ring Seals
- (8) Stainless Steel AISI 302 Shutter Spring
- (9) Nickel-Plated Brass Coupling Back Part
- (10) Nickel-Plated Brass Sleeve
- (11) Nickel-Plated Brass Plug Outline

**Male Threaded Couplings Mini Profile**



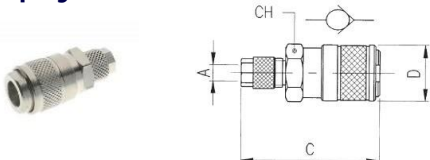
Code	A	B	C	D	CH
884635	1/8	6	35.5	18	16
884636	1/4	8	37.5	18	16
884637	3/8	9	38.5	18	19

**Female Threaded Couplings Mini Profile**



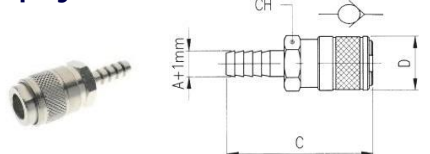
Code	A	B	C	D	CH
884639	1/8	7.5	35.5	18	16
884640	1/4	11	38.5	18	16
884641	3/8	11.5	39	18	19

**Couplings Mini Profile for Tube**



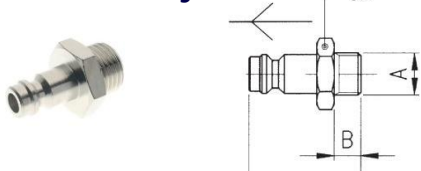
Code	A	C	D	CH
884643	6/4	42	18	16
884644	8/6	42	18	16

**Coupling Mini Profile for Hose**



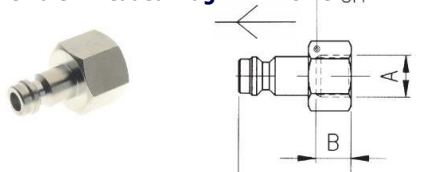
Code	A	C	D	CH
884645	4	48	18	16
884646	6	48	18	16
884647	8	48	18	16

**Male Threaded Plug Mini Profile**



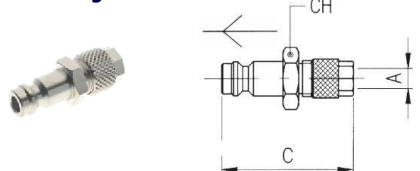
Code	A	B	C	CH
884649	1/8	6	26	14
884650	1/4	8	28.5	17
884651	3/8	9	29.5	19

**Female Threaded Plug Mini Profile**



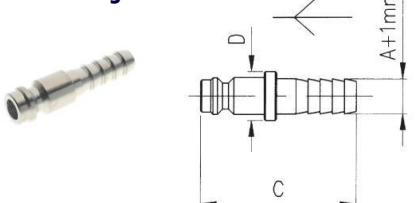
Code	A	B	C	CH
884653	1/8	7.5	25	14
884654	1/4	11	28.5	17
884655	3/8	11.5	29	19

**Push-on Plug Mini Profile for Tube**



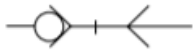
Code	A	C	CH
884660	6/4	33	12
884661	8/6	33	12

**Hose barb Plug Mini Profile**



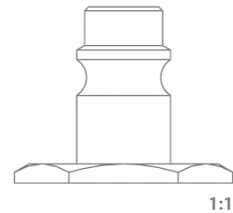
Code	A	C	D
884657	4	35	9
884658	6	35	9
884659	8	38	12

## 6. HIGH FLOW QUICK COUPLING AND PLUG EUROPEAN PROFILE



This range of coupling is specifically designed to allow a high flow rate (2550 NI/min), minimising the pressure drop. The couplings are also designed to work with vacuum and water application.

PROFIL  
EUROPEAN



DN

### Interchangeability:

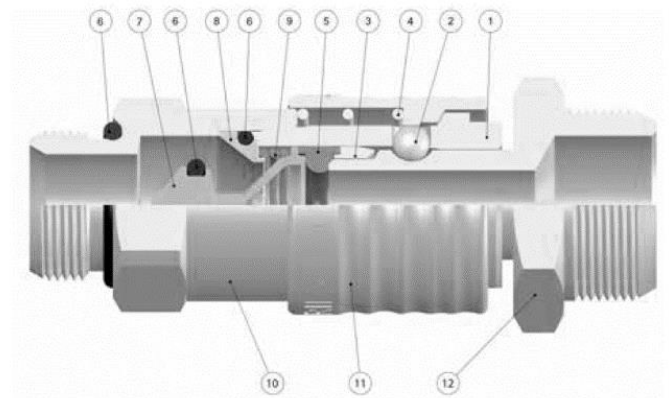
- Rectus Parker Serie 25/26/1600/1625
- Prevost ESC07/ERC07/ESI07/ISC08
- Camozzi 5080/5180
- CEJN 320
- Aignep Serie 120/210
- Festo KD-KS 4/6
- Oetiker SC C
- Hansen Auto-Flo 24

### Application:

- Compressed Air & Tools
- Pneumatic & Fluid technology
- Life & Sciences

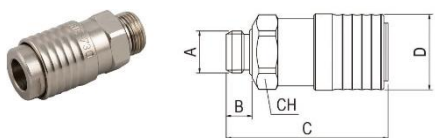
### Specification:

- Fluids: Air, vacuum, water
- Working Pressure: 12 Bar
- Max Static Pressure: 35 Bar
- Temperature range: -20°C -> 80°C
- Flow Rate: 2550 NI/min



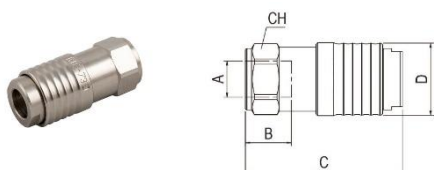
- (1) Nickel-Plated Brass Body
- (2) Stainless Steel AISI 420 Balls
- (3) Nickel-Plated Brass Guide Ring Coupling
- (4) Stainless Steel AISI 302 Ring Nut Spring
- (5) NBR Plug Molded Seals
- (6) NBR O-Ring Seals
- (7) Nickel-Plated Zamak Shutter
- (8) Nickel-Plated Brass Ring

**Male Threaded Couplings European Profile**



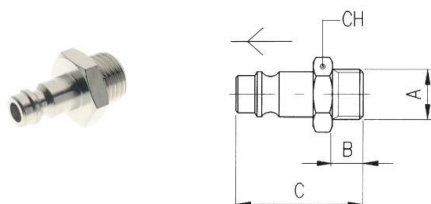
Code	A	B	C	D	CH
884689	1/4	8	49.5	24	21
884690	3/8	9	50.5	24	21
884691	1/2	10	51.5	24	25

**Female Threaded Couplings European Profile**



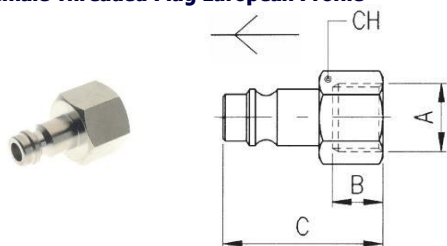
Code	A	B	C	D	CH
884693	1/4	12	50.5	24	21
884694	3/8	12	51.5	24	21
884695	1/2	15	56	24	24

**Male Threaded Plug European Profile**



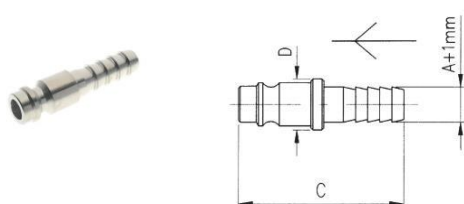
Code	A	B	C	CH
884676	1/4	8	36.5	17
884677	3/8	9	37.5	19
884678	1/2	10	39	24

**Female Threaded Plug European Profile**



Code	A	B	C	CH
884680	1/4	11	36.5	17
884681	3/8	11.5	37	19
884682	1/2	14	39.5	24

**Hose barb Plug European Profile**



Code	A	C	D
884684	4	43.5	12
884685	6	43.5	12
884686	10	46	14
884687	12	46	16