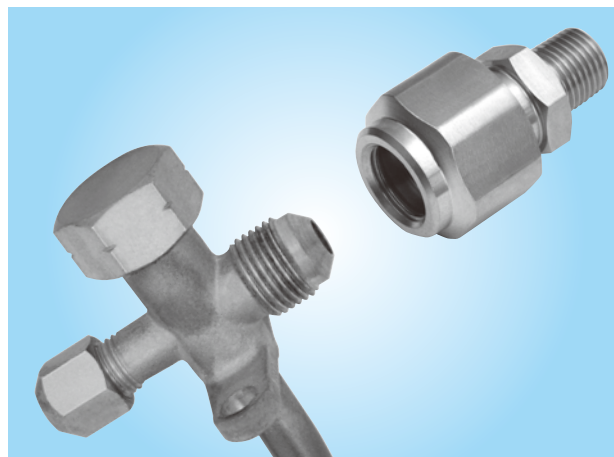


Screw-on Type Cupla

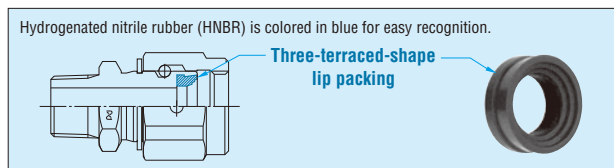
Screw Cupla NCF Type

**Screws on to the male unified thread easily.
Made up of the nut and body.
The bearing in the Screw Cupla makes rotation of the nut smooth and reduces damage to the three-terraced-shape lip packing.**

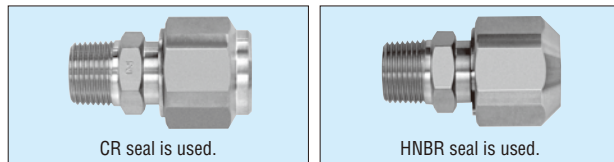
- Employing a three-terraced-shape lip packing enables more stable seal performance opposed to conventional packing and O-rings.
- Withstands a vacuum of up to $1.3 \times 10^{-1} \text{Pa}$ ($1 \times 10^{-3} \text{ mmHg}$) (when connected) making it possible to be used in leak test, vacuum suction and refrigerant charge.
- Select from two standard types of seal materials to be used with fluids for air conditioner and refrigerator production lines. Many models available to suit various thread sizes.
- The nut shape is changed for visual recognition of the seal material used in the Screw Cupla.



Three-terraced-shape lip packing



Identification of the seal material by the Appearance of the Nut



Specifications

Body material	Stainless steel		
Size	For unified thread		
Working pressure	4.5 MPa, 46 kgf/cm ² , 45 bar, 653 PSI		
Seal material Working temperature range	Seal material	Mark	Working temperature range
	Chloroprene rubber	CR (C308)	-20°C to +80°C
	Hydrogenated nitrile rubber	HNBR (H708)	-20°C to +120°C

Models and Dimensions (WAF : WAF stands for width across flats.)

When considering using the Screw Cupla NCF Type, refer to the external dimensions of the Cuplas below and verify if the Cupla can be connected to the unified external threads without any interference.

Socket

Model	External thread for connection (t)	Model	Dimensions (mm)				
			L	D (WAF)	øB	H (WAF)	T
NCF-7U	7/16-20UNF	NCF-7U-2	44	Hex. 27 × ø29	4.2	Hex. 17	R 1/4
		NCF-7U-3					R 3/8
NCF-10U	5/8-18UNF	NCF-10U-2	46	Hex. 27 × ø29	8	Hex. 19	R 1/4
		NCF-10U-3					R 3/8
NCF-12U	3/4-16UNF	NCF-12U-2	48	Hex. 27 × ø29	10	Hex. 21	R 1/4
		NCF-12U-3					R 3/8
NCF-14U	7/8-14UNF	NCF-14U-2	51	Hex. 32 × ø35	7	Hex. 24	R 1/4
		NCF-14U-3					10
NCF-17U	1 1/16-14UNS	NCF-17U-2	50	Hex. 35 × ø39	7	Hex. 29	R 1/4
		NCF-17U-3					10

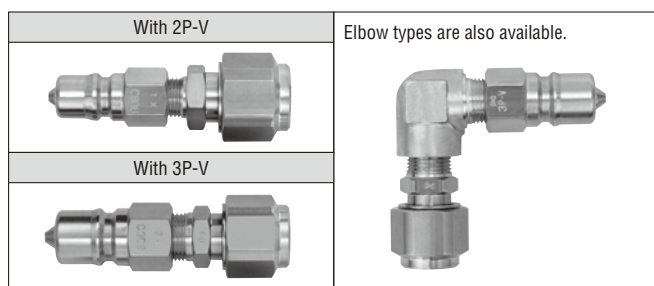
Work for connection

Unified thread: Pursuant to JIS B 8607

Unified thread dimensions (mm)						
øE	øF	R	B	C	øA	T2
5.5	9.2	45° to 46°	3.7	7.6 or more	4.8	7/16-20UNF
8	13.5	45° to 46°	4.8	9.2 or more	7	5/8-18UNF
11	16	45° to 46°	5.5	11.3 or more	10	3/4-16UNF
13.5	19	45° to 46°	6	13.9 or more	12.5	7/8-14UNF
18	24	45° to 46°	6	17.4 or more	16	1 1/16-14UNS

Screw Cupla NCF Type with Plug

- Specify the plug type (SP-V, SP-V-GN), the body material and seal material when ordering.
- The Loctite (medium strength 242) is used as standard for the plug mounting adhesive. Should you require other adhesive or method such as thread seal tape, please specify.



NCF Cupla with Plug (With Identification Ring)

- When several refrigerants are used on the production line simultaneously, Screw Cupla with colored rings are available for visual recognition and to distinguish the seal material used.

