



RECTUS 

TEMA

NycGil


RECTUS
GROUP

Catalog: 6802C



RECTUS-TEMA Product-Line

Quick Connect Couplings
Hydraulic Couplings
System Components



02

Micro-Coupler

Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Series 02 is the smallest single hand operated coupler in the world.

Connections:

M3 Male + Female Thread, 10/32 UNF Male thread, 1/16" + 1/8" Hose barb, 1/16" + 1/8" Panel mount

Standard Design:

Coupler Body: Brass
Sleeve, Valve: Brass
Springs and Locking Ring: AISI 301
Locking Balls: AISI 420
Seals: Buna N
Plug: Brass

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated

Valve-Type: Single Shut-off

20

Sub-Miniature

Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Single hand operated quick connect coupling with extremely small dimensions and very high flow rate.

Connections:

10/32", 1/8", 5/32", 3/16", Male + Female Thread, Panel Mount, Plastic Hose Connection, Hose Barb

Standard Design:

Coupler Body: Brass
Sleeve, Valve: Brass
Springs and Locking Ring: AISI 301
Locking Balls: AISI 420
Seals: Buna N
Plug: Brass

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated, Stainless Steel AISI 303, Stainless Steel AISI 420

Valve-Type: Single Shut-off, Double Shut-off

Interchangeability: Walther 06-003, RECTUS 91

91 KA

Sub-Miniature Coupling

Temp. Range: -40°F up to 400°F *
Working Pressure: 0 – 500 psi

This is a variation of our Series 20 coupling using a locking pin system. The valve has been shortened so that the plug seals prior to opening the coupler's valve.

Connections:

10/32", 1/8", 5/32", 3/16", 1/8" x 1/4", 5/32" x 1/4" Male + Female Thread, Hose Barb, Plastic Hose Connection, Panel Mount-Hose Barb

Standard Design:

Coupler Body: Brass
Sleeve, Valve: Brass
Spring and Locking Ring: AISI 303
Pins: AISI 420
Seals: Buna N
Plug: Brass (20 series)

Options:

Seals: Viton®, other seals on request

Material: Stainless Steel

Valve-Type: Single Shut-Off

Interchangeability: RECTUS 20

* depending on the medium and seal material selected



21

Miniature Couplings

Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Single hand operated quick connect coupling with extremely small dimensions and very high flow rate and high flow performance.

Connections:

1/8", 5/32", 3/16", 1/4", 5/16", 3/8" Male + Female Thread, Panel Mount, Hose Barb, Push-Lock, Front Panel Installation, Plastic Hose Connection

Standard Design:

Coupler Body: Brass
Sleeve, Valve: Brass
Springs and Locking Ring: AISI 301
Locking Balls: AISI 420
Seals: Buna N
Plug: Brass

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated, Stainless Steel AISI 303, Stainless Steel AISI 420

Valve-Type: Single Shut-off, Double Shut-off, Safety Lock, Dry Break, RectuKey

Interchangeability: RECTUS 90

* depending on the medium and seal material selected

90 KA

Miniature Couplings

Temp. Range: -40° up to +600°F *
Working Pressure: 0 – 500 psi

This is a variation of our Series 20 coupling using a locking pin system. The valve has been shortened so that the plug seals prior to opening the coupler's valve.

Connections:

5/32", 1/8", 1/4", 5/16", 3/8", 5/32" x 1/4", 1/4" x 5/16" Male + Female Thread, Hose Barb, Plastic Hose Connection, Panel Mount-Plastic Hose Connection, Panel Mount-Hose Barb, Plastic Hose Connection with Spring Guard

Standard Design:

Coupler Body: Brass
Sleeve, Valve: Brass
Spring and Locking Ring: AISI 301
Pins: AISI 420
Seals: Buna N
Plug: Brass (21 series)

Options:

Seals: Other seals on request

Material: Stainless Steel

Valve-Type: Single Shut-Off

Interchangeability: RECTUS 21

25

European Interchange, Ultra-Flo (1/4" Body)

Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

A "Mercedes Class" Coupling especially for Industrial applications

Connections:

1/4", 5/16", 3/8", 1/2", Male + Female Thread, Hose Barb, Push-Lock, Plastic Hose Connection, Flex Joint, Recoil Eliminator

Standard Design:

Coupler Body: Brass
Sleeve: Brass
Valve: Zinc Die-Casting, Nickel Plated
Springs and Locking Ring: AISI 301
Locking Balls: AISI 420
Seals: Buna N
Plug: Steel hardened, Nickel Plated

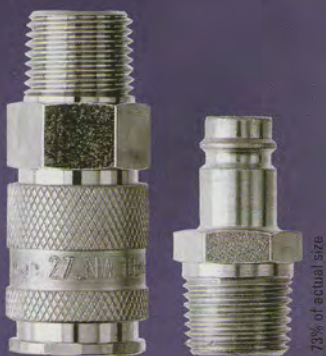
Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated, Stainless Steel AISI 303, Stainless Steel AISI 316 Ti, Steel

Valve-Type: Single Shut-off, Double Shut-off, Safety Version, RectuKey, Self-Venting, Dry Break

Interchangeability: Cejn 320, RECTUS 26, JWL 520, JWL 530



27

European Interchange, Ultra-Flo (3/8" Body)
Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Single hand operated quick connect coupling. The Ultra-Flo valve allows optimum flow and low pressure drop.

Connections:

1/4", 5/16", 3/8", 1/2", 5/8", 3/4"

Male (NPT) + Female (NPSF) Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve:	Steel hardened, Nickel Plated
Valve:	Brass
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Nickel Plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated, Stainless Steel
AISI 303, Stainless Steel AISI 316 Ti

Valve-Type: Single Shut-off, Double Shut-off

Interchangeability: Cejn 410, RECTUS 41

* depending on the medium and seal material selected

23

Industrial Interchange, Ultra-Flo (1/4" Body)
Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Single hand operated quick connect coupling, fitted with the Ultra-Flo valve, giving it superior flow characteristics. Meets MIL-C4109 Specifications.

Connections:

1/4", 5/16", 3/8", 1/2" Male + Female Thread, Hose Barb, Push-Lock, Plastic Hose Connection, Flex Joint, Recoil Eliminator.

Standard Design:

Coupler Body:	Brass
Sleeve:	Steel hardened, Nickel plated
Valve:	Zinc Die-Casting, Nickel plated
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Nickel plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated

Valve-Type: Single Shut-off, Self-Venting

Interchangeability: Forster, Cejn 310, Hansen 3000, Parker 30 1/4", RECTUS 24, JWL 521, JWL 531, ISO 6150 B

24

Industrial/Aro Interchange (1/4" Body)
Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Series 24 can be used where price is a factor and in place of Series 22 or Series 23.

Connections:

1/4", 5/16", 3/8", 1/2"

Male + Female Thread, Hose Barb, Push-Lock, Plastic Hose Connection, Flex Joint, Recoil Eliminator

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Zinc plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel Plated, Chrome Plated

Valve-Type: Single Shut-off

Interchangeability: Cejn 310, Cejn 300, Forster, Hansen 3000, RECTUS 23, RECTUS 14, RECTUS 22, JWL 521, JWL 531, ARO ISO 6150 B, ARO 210, Parker 50 1/4", Parker 30 1/4", Orion 44510



24 KM

Industrial Interchange (1/4" Body)
Temp. Range: -40° up to +250°F *
Working Pressure: 0 – 300 psi

Manually operated couplers are the most commonly used type for connecting pneumatic and low pressure fluid lines. Meets MIL-C4109 Specifications.

Connections:

1/8", 1/4", 5/16", 3/8"

Male + Female Thread, Hose Barb, Push-Lock

Standard Design:

Coupler Body:	Brass
Sleeve:	Brass
Valve:	Zinc Plated Steel
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Zinc plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Valve-Type: Single Shut-off

Interchangeability: Cejn 310, Cejn 300, Forster, Hansen 3000, RECTUS 23, RECTUS 14, RECTUS 22, JWL 521, JWL 531, ARO ISO 6150 B, ARO 210, Parker 50 1/4", Parker 30 1/4", Orion 44510

* depending on the medium and seal material selected

30

Industrial Interchange (3/8" Body)
Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

The 30 series is a one hand operated rugged coupling with a pin locking system and steel valve body. Meets MIL-C4109 Specifications.

Connections:

1/4", 5/16", 3/8", 1/2"

Male (NPT) + Female (NPSF) Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Valve Body:	Steel hardened
Sleeve, Valve:	Brass
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Nickel Plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated

Valve-Type: Single Shut-off

Interchangeability: ARO, Hansen 4000, Parker 30 3/8", ISO 6150 B, Parker 20 3/8"

30 KM

Industrial Interchange (3/8" Body)
Temp. Range: -40° up to +250°F *
Working Pressure: 0 – 300 psi

Manually operated couplers are the most commonly used type for connecting pneumatic and low pressure fluid lines. Meets MIL-C4109 Specifications.

Connections:

1/4", 3/8", 1/2"

Male + Female Thread, Hose Barb, Push-Lock

Standard Design:

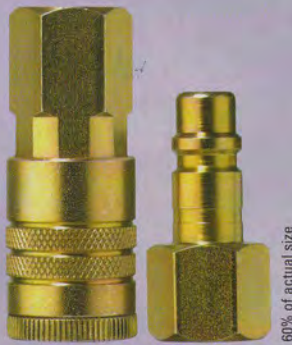
Coupler Body, Sleeve:	Zinc Plated Steel with Yellow Dichromate Finish
Valve:	Zinc Plated Steel
Locking Balls:	Stainless Steel
Seals:	Buna N
Plug:	Steel hardened, Nickel Plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Valve-Type: Single Shut-off

Interchangeability: ARO, Hansen 4000, Parker 30 3/8", ISO 6150 B, Parker 20 3/8"



37

Industrial Interchange (1/2" Body)
Temperature Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Series 37 conforms to the 1/2" Industrial Interchange. With high capacity / low pressure drop, it is well suited for large air tools used in heavy industry. Meets MIL-C4109 Specifications.

Connections:

1/4", 5/16", 3/8", 1/2", 5/8", 3/4",
Male (NPT) + Female (NPSF) Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Zinc Plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated, Chrome plated

Valve-Type: Straight-through, Single Shut-off

Interchangeability: Hansen 5000

37 KM

Industrial Interchangeable (1/2" Body Size)
Temp. Range: -40° up to +250°F *
Working Pressure: 0 – 300 psi

Manually operated couplers are the most commonly used type for connecting pneumatic and low pressure fluid lines. Meets MIL-C4109 Specifications.

Connections:

3/8", 1/2", 3/4"
Male + Female Thread, Hose Barb, Push-Lock

Standard Design:

Coupler Body:	Zinc Plated Steel with Yellow Dichromate Finish
Sleeve:	Zinc Plated Steel with Yellow Dichromate Finish
Valve:	Zinc Plated Steel
Locking Balls:	Stainless Steel
Seals:	Buna N (Nitrile)
Plug:	Threaded: Steel Hardened, Zinc Plated Barbed: Steel Hardened, Nickel Plated

Options:

Seals: Other seals on request

Valve Type: Single Shut-Off

Interchangeability: Hansen 5000

38

Hansen Interchange (3/4" Body Size)
Temperature Range: -40° up to +600°F *
Working Pressure: 0 – 500 psi

This series is a single hand operated coupling that can be used with straight through or valved plugs.

Connections:

1/2", 5/8", 3/4", 1", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Inner Sleeve:	Brass
Spring Plate:	Brass
Spring and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N

Options:

Seals: Other seals on request

Valve-Type: Double Shut-Off

Interchangeability: Hansen 6000

* depending on the medium and seal material selected



47% of actual size



71% of actual size



76% of actual size

39 KB/KL

Hansen Interchange (1" Body Size)
Temp. Range: -40° up to +600°F *
Working Pressure: 0 – 500 psi

This series is a single hand operated coupling that can be used with straight through or valved plugs.

Connections:

3/4", 1", 1 1/4"
Male + Female Thread, Hose Barb

Standard Design:

	Series 39 KB	Series 39 KL
Coupler Body:	Brass	Brass
Sleeve, Valve:	Brass	Brass
Inner Sleeve:	Brass	Brass
Spring Plate:	Brass	Brass
Spring and Locking Ring:	AISI 301	AISI 301
Locking Balls:	AISI 420	AISI 420
Seals:	Buna N	Buna N
Seal Bonnet:		Brass
Plug:		Brass
Plug Profile:		Brass
Back Body:		Brass

Options:

Seals: Other seals on request

Valve-Type: Double Shut-Off, Dry Break

Interchangeability: Hansen 7000

22

Aro Interchange, Ultra-Flo (1/4" Body Size)
Temp. Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Single hand operated quick connect coupling, fitted with the Ultra-Flo valve, giving it superior flow characteristics. Various interchange ability.

Connections:

1/4", 5/16", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve:	Steel hardened, Nickel plated
Valve:	Zinc Die-Casting, Nickel plated
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Zinc plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E) other seals on request

Material: Nickel plated, Chrome plated

Valve-Type: Single Shut-off, Self-Venting

Interchangeability: ARO 210, Parker 20 1/4", Parker 50 1/4", Cejn 300, Orion 44515, RECTUS 14, JWL 522, JWL 532

14 KA

Aro Interchange (1/4" Body Size)
Temp. Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Series 14 is a variation of our Series 22 coupling using a locking pin system.

Connections:

1/4", 5/16", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Spring and Locking Ring:	AISI 301
Pins:	AISI 420
Seals:	Buna N
Plug:	Threaded: Steel Hardened, Zinc Plated Barbed: Steel Hardened, Nickel Plated

Options:

Seals: Other Seals on request

Valve-Type: Single Shut-Off

Interchangeability: ARO 210, Parker 50, RECTUS 22, Cejn 300, Orion 44150, JWL 522, JWL 532

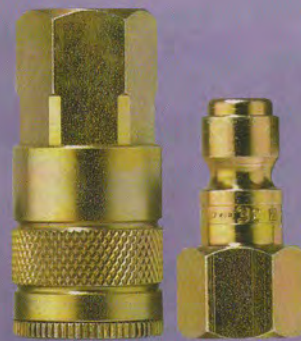
* depending on the medium and seal material selected



59% of actual size



actual size



74% of actual size

40 KA

Aro Interchange (3/8" Body Size)
Temp. Range: -40° up to +400°F *
Working Pressure: 0 – 500 psi

The Series 40 features a sealed sleeve ensuring that dirt cannot reach internal parts.

Connections:

1/4", 5/16", 3/8", 1/2", 3/4"

Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Spring and Locking Ring:	AISI 301
Pins:	AISI 420
Seals:	Buna N
Plug:	Steel Hardened, Nickel Plated

Options:

Seals: Other seals on request

Valve-Type: Single Shut-Off

Interchangeability: ARO 310, Orion 44530

53 KM

Automotive Interchange (1/4" Body Size)
Temp. Range: -40° up to +250° F *
Working Pressure: 0 – 230 psi

Manually operated couplers are the most commonly used type for connecting pneumatic and low pressure fluid lines.

Connections:

1/8", 1/4", 5/16", 3/8"

Male + Female Thread, Hose Barb, Push-Lock

Standard Design:

Coupler Body:	Brass
Sleeve:	Brass
Valve:	Steel
Spring and Locking Ring:	Steel
Locking Balls:	Steel
Seals:	Buna N
Plug:	Steel Hardened, Zinc Plated

Options:

Seals: Other seals on request

Valve-Type: Single Shut-Off

Interchangeability: Hansen, Forster, Milton Type T, Parker Series 10, Tru-Flate

55 KM

Automotive Interchange (3/8" Body Size)
Temp. Range: -40° up to +250° F *
Working Pressure: 0 – 230 psi

Manually operated couplers are the most commonly used type for connecting pneumatic and low pressure fluid lines.

Connections:

1/4", 3/8", 1/2"

Male + Female Thread, Hose Barb, Push-Lock

Standard Design:

Coupler Body:	Zinc Plated Steel
Sleeve:	Zinc Plated Steel
Valve:	Steel
Spring and Locking Ring:	Steel
Locking Balls:	Steel
Seals:	Buna N
Plug:	Steel Hardened, Zinc Plated

Options:

Seals: Other seals on request

Valve-Type: Straight Through

Interchangeability: Hansen, Forster, Milton Type T, Parker Series 10, Tru-Flate

* depending on the medium and seal material selected



68% of actual size



75% of actual size



71KB Series

87% of actual size

17 KA

Schrader Interchange
Temp. Range: -40° up to +250°F *
Working Pressure: 0 – 500 psi

Single hand operated quick connect coupling. The Ultra-Flate valve allows optimum flow and low pressure drop.

Connections:

1/8", 1/4", 5/16", 3/8"

Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass, Nickel Plated
Sleeve, Valve:	Steel hardened, Nickel Plated
Springs and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Nickel Plated

Options:

Seals: Buna N (P), Viton® (V), Ethylene Propylene (E), other seals on request

Material: Nickel plated

Valve-Type: Single Shut-off

Interchangeability: Schrader Standard Series

13 KA

Nitto Kohki Interchange
Temp. Range: -40° up to +400°F *
Working Pressure: 0 – 500 psi

The Series 13 has been developed based on our Series 26 design and is interchangeable with many couplings common in the Asian market.

Connections:

1/4", 5/16", 3/8", 1/2"

Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Spring and Locking Ring:	AISI 301
Pins:	AISI 420
Seals:	Buna N
Plug:	Steel hardened, Nickel Plated

Options:

Seals: Other seals on request

Material: Steel

Valve-Type: Single Shut-Off

Interchangeability: Nitto Kohki

71-76 KB

Hydro-Flate (1/8" – 1" Body Sizes) Couplings
Temperature Range: -40° up to +600°F *
Working Press.: 0 – 3625 psi (Stainl. Steel) **

Manufactured in accordance with ISO 7241-1 Series B and is designed for liquid media.

Connections:

1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT, 3/4" NPT, 1" NPT, Female Thread

Standard Design:

Coupler Body:	Brass	Plug:	
Sleeve, Valve:	Brass	Plug Profile:	Brass
Spring and Locking Ring:	AISI 301	Valve:	Brass
Locking Balls:	AISI 420	Spring:	AISI 301
Seals:	Buna N	Seal:	Buna N
Spring Plate		Spring Plate:	AISI 301
73 KB and 74 KB:	AISI 301	73 KB + 74 KB, Spring Plate:	
Spring Plate		Brass	
76 KB:	Brass	[74 KB, Spring and Locking Ring AISI 301]	
Spring and Locking Ring:	AISI 316 Ti	76 KB, Spring and Locking Ring AISI 316 Ti	
		Spring Plate:	Brass

Options:

Seals: Viton® (V), other seals on request

Material: Stainless Steel, POM (Delrin-Acetal)

Valve-Type: Double-Shut-Off

Interchangeability: ISO 7241-1 Series B

** depending on the version

* depending on the medium and seal material selected



actual size



75% of actual size



70% of actual size

21 KS

Miniature Couplings

Temp. Range: -40° up to +600°F *
Working Pressure: 0 – 500 psi

The 21 KS Series couplings are designed with a safety lock system to prevent accidental disconnections.

Connections:

1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 1/2"
5/32" x 1/4", 1/4" x 5/16"

Standard Design:

Coupler Body:	Brass
Sleeve, Valve:	Brass
Spring and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Brass

Options:

Seals: Other seals on request
Material: Nickel Plated (N)
Valve-Type: Single Shut-Off, Safety

95 KS

Safety Lock Couplings

Temp. Range: -40° up to +600°F *
Working Pressure: 0 – 500 psi

The 95 KS Series Couplings are designed with a safety lock system to prevent accidental disconnections.

Connections:

1/4", 5/16", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass, Nickel Plated
Sleeve:	Brass, Nickel Plated
Valve:	Zinc Die-Casting, Nickel Plated
Spring and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Distance Sleeve:	Brass
Spring Plate:	Brass
Plug:	Brass, Nickel Plated

Options:

Seals: Other seals on request
Valve-Type: Single Shut-Off, Safety

96 KS

Safety Lock Couplings

Temp. Range: -40°F up to +600°F *
Working Pressure: 0 – 500 psi

The 96 KS Series Couplings are designed with a safety lock system to prevent accidental disconnections.

Connections:

1/4", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass, Nickel Plated
Sleeve:	Brass, Nickel Plated
Valve:	Zinc Die-Casting, Nickel Plated
Spring and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Distance Sleeve:	Brass
Spring Plate:	Brass
Plug:	Brass, Nickel Plated

Options:

Seals: Other seals on request
Valve-Type: Single Shut-Off, Safety

* depending on the medium and seal material selected



70% of actual size



70% of actual size



70% of actual size

14 KE

Aro Interchange (1/4" Body Size)

Temp. Range: -4° up to +140°F *
Working Pressure: 0 – 220 psi

Safety Coupler won't disconnect from the plug until the downstream air is completely bled off, preventing the dangerous hose whip effect.

Connections:

1/4", 5/16", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass, Nickel Plated
Sleeve:	Thermoplastic
Valve:	Brass
Spring and Locking Balls:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Pins:	AISI 420
Plug:	Steel Hardened, Nickel Plated

Options:

Seals: Other seals on request
Valve-Type: Single Shut-Off, Self-Venting System

Interchangeability: ARO 210, Parker 50, RECTUS 22, Cejn 300, Orion 44150, JWJ 522, JWJ 532

24 KE

Industrial Interchange (1/4" Body Size)

Temp. Range: -4° up to +140°F *
Working Pressure: 0 – 120 psi

Safety Coupler won't disconnect from the plug until the downstream air is completely bled off, preventing the dangerous hose whip effect. Meets MIL-C4109 Specifications.

Connections:

1/8", 1/4", 5/16", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass, Nickel Plated
Sleeve:	Thermoplastic
Valve:	Brass
Spring and Locking Balls:	AISI 301
Pins:	AISI 420
Seals:	Buna N
Locking Balls:	AISI 420
Plug:	Steel Hardened, Nickel Plated

Options:

Seals: Other seals on request
Valve-Type: Single Shut-Off, Self-Venting System

Interchangeability: Cejn 310, Cejn 300, Forster, Hansen 3000, RECTUS 23, RECTUS 14, RECTUS 22, US-Milspec C-4109, JWJ 521, JWJ 531, ARO ISO 6150 B, ARO 210, Parker 50 1/4", Parker 30 1/4", Orion 44510

26 KE

European Interchange (1/4" Body Size)

Temp. Range: -4° up to +140°F *
Working Pressure: 0 – 220 psi

Safety Coupler won't disconnect from the plug until the downstream air is completely bled off, preventing the dangerous hose whip effect.

Connections:

1/8", 1/4", 5/16", 3/8", 1/2"
Male + Female Thread, Hose Barb

Standard Design:

Coupler Body:	Brass, Nickel Plated
Sleeve:	Thermoplastic
Valve:	Brass
Spring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Pins:	AISI 420
Plug:	Steel Hardened, Nickel Plated

Options:

Seals: Other seals on request
Valve-Type: Single Shut-Off, Self-Venting System

Interchangeability: Cejn 320, RECTUS 25, JWJ 520, JWJ 530

* depending on the medium and seal material selected



68% of actual size

RECTUS

Quick Connect Couplings
made of **Thermoplastic**



72% of actual size



71KB Series

97% of actual size

21KB

Thermoplastic Miniature Couplings
Temp. Range: -4° up to 176°F/250°F *
Working Pressure: 0 - 120/150 psi

The Series 21 made from POM and PVDF is the next step in the evolution of material for couplings traditionally made from various metals.

Connections:

1/8", 5/32", 1/4", 1/4" x 5/16"
Male + Female Thread, Panel Mount,
(Plastic Hose Connection), Hose Barb

Standard Design:

All material available in POM (RectuPom, Delrin-Acetal):
black and PVDF (RectuChem, PVDF): white except the
following:

Spring: AISI 301
Seals: Buna N / Viton®
Plug: AISI 301 / AISI 316 Ti
Spring: AISI 301 / AISI 316 Ti

Options:

Seals: Other seals on request
Valve-Type: Straight Through, Single Shut-Off,
Double-Shut Off

Interchangeability: RECTUS 90

* depending on the medium and seal material selected

48KB

Thermoplastic Couplings (1/4" Body)
Temp. Range: -4° up to 250°F *
Working Pressure: 0 - 145 psi

The 48 Series Coupling System made of POM (Delrin-Acetal) and PVDF was developed for use in the medical, pharmaceutical, chemical, food handling and laboratory technologies industries.

Connections:

1/4", 3/8", 1/2", 1/4" x 5/16", .35 x .47, 3/4" x 15/32"
Male + Female Thread, Hose Barb, Hose Connection

Standard Design:

All material available in POM (RectuPOM, black), PVDF
(RectuChem, white) or PEEK (RectuChem+, white) except
the following:

Springs: AISI 301 / AISI 316 Ti / PEEK 450G
Seals: Buna N, Viton®

Options:

Seals: Other seals on request
Valve-Type: Straight Through, Single Shut-Off,
Double Shut-Off

71-76 KB

Thermoplastic / Hydro-Flo Couplings
1/8", 1/4", 3/8", 1/2", 3/4", 1" Body
Temp. Range: -40° up to 195°F *
Working Pressure: 0 - 220 psi

Manufactured in accordance with ISO 7241-1 Series B
and is designed for liquid media.

Connections:

1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT, 3/4" NPT, 1" NPT

Standard Design:

Coupler Body:	POM, white	Plug:	POM, white
Sleeve:	POM, white	Plug Profile:	POM, white
Valve:	AISI 303	Valve:	AISI 303
Spring and Locking Ring:	AISI 301	Spring:	AISI 301
[76 KB, Spring and Locking Ring:	AISI 316 Ti]	[74 and 75 KB, Spring and Locking Ring:	AISI 301]
Locking Balls:	AISI 316	[76 KB, Spring and Locking Ring:	AISI 316 Ti]
Seals:	Buna N	Seal:	Buna N
Spring Plate:	AISI 301	Spring Plate:	AISI 301
		[76 KB Spring Plate and Locking Ring:	AISI 301]

Options:

Seals: Other Seals on request

Material: Brass

Other Seals on request valve-Type: Double- Shut Off

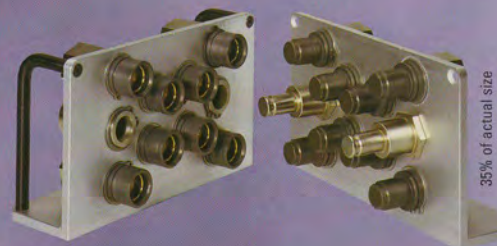
Interchangeability: ISO 7241-1 Series B



50% of actual size

RECTUS

Quick Connect Couplings
for **Water** Applications



35% of actual size

86-88

Moldite (1/4", 3/8", 1/2" Body)
Temperature Range: +5° up to 390° F *
Working Pressure: 0 - 220 psi

Moldite Couplings are specifically designed for connecting coolant lines and injection molds.

Connections:

1/4", 3/8", 1/2", 3/4", Male + Female Threads, Hose Barb, Hose Barb 45°,
Hose Barb 90°, Push-Lock, Push Lock 45°

Standard Design:

Coupler Body:	Brass	Spring and Locking Ring:	AISI 301
Valve Body:	Brass		
Sleeve:	Brass (without Valve)	Plug:	
Sleeve:	Brass, Nickel Plated (with Valve)	Plug Profile:	Brass
		Adapter:	Brass
Valve:	Brass	Valve:	Brass
Locking Balls:	AISI 420	Spring and Locking Ring:	AISI 301
Seals Series 86 + 87:	Silicone	Seal:	Viton®
Seals Series 88:	Viton®		

Options:

Seals: Other seals on request
Valve-Type: Straight Trough, Single Shut-Off, Double Shut-Off

Interchangeability: DME 1/4" (Series 86), DME 3/8" (Series 87), DME 1/2" (Series 88)

* depending on the medium and seal material selected

Multi-Flo

8 Port Manifold Couplings (Series 08)

Multi-Couplings are used for simultaneously connecting and disconnecting complete sets of hoses for liquids as well as gaseous mediums.

Connections:

1/2", Female Thread + Hose Barb

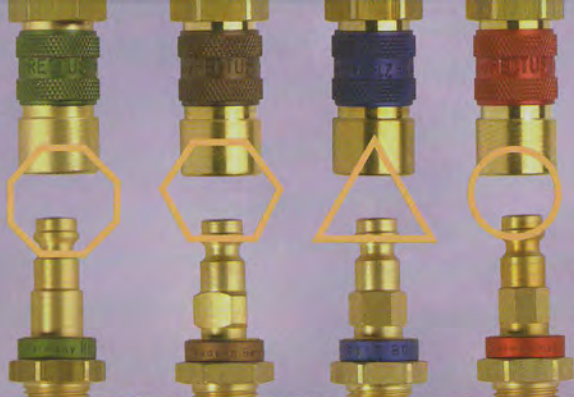
Standard Design:

Plate with 2 Handles: Aluminium, elox.
8 Multi Coupler
-Coupling Body: Brass, Nickel Plated
-Valve Body: Steel Hardened, Teflon-coated
-Inner Parts: Brass
-Springs: AISI 420
-Seals: Viton®
-Locking Rings: AISI 420
2 Locking Couplers: Steel Hardened, Nickel Plated

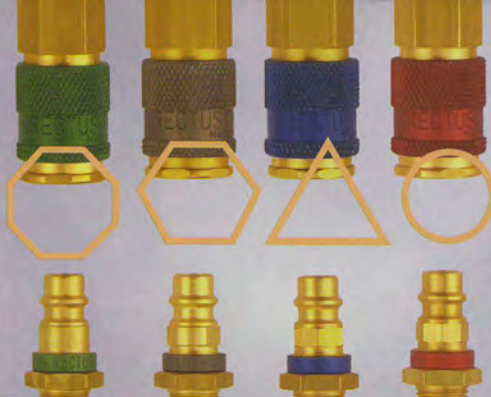
Options:

Seals: Other seals on request
Valve-Type: Straight Through, Single Shut-off, Dry Break (Double shut-off)

Plug:	Aluminium, elox.
Plate:	Aluminium, elox.
8 Multi-Plugs:	
-Coupling Body:	Brass, Nickel Plated
-Plug:	Steel Hardened, Teflon-coated
-Inner Parts:	Brass
-Springs:	AISI 420
-Seals:	Viton®
-Locking Rings:	AISI 420
2 Locking Bolts:	Steel Hardened, Nickel Plated



70% of actual size



55% of actual size

21KA

RectuKey Miniature Couplings
Temperature Range: - 40° up to 250°F *
Working Pressure: 0 – 500 psi

The system consists of up to four different couplings, each with its own distinctive, internal body shape and corresponding plug. In addition, both the Coupler and the corresponding Plug are color-coded to enhance the principle of the system.

Connections:

1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 1/4" x 5/16", 5/32" x 1/4"

Standard Design:

Coupler Body:	Brass
Sleeve:	Aluminium, Anodized
Valve:	Brass
Spring and Locking Ring:	Stainless Steel, AISI 301
Locking Balls:	Stainless Steel, AISI 420
Seals:	Buna N
Plug:	Brass with anodized aluminium designation

Options:

Seals: Other seals on request

Material: Nickel Plated (N)

Valve-Type: Single Shut-off

25 KA

Ultraflo (1/4" Body)
Temperature Range: - 40° up to 250°F *
Working Pressure: 0 – 500 psi

The system consists of up to four different couplings, each with its own distinctive, internal body shape and corresponding Plug. In addition, both the Coupler and the corresponding Plug are color-coded to enhance the principle of the system.

Connections:

1/4", 3/8", 1/2", 1/4" x 5/16", 5/16" x .393, 3/8" x .455
Male + Female Thread, Hose Barb, Plastic Hose Connection, Panel Mount-Hose Barb

Standard Design:

Coupler Body:	Brass
Sleeve:	Aluminium, anodized
Valve:	Zinc Die-Casting, Nickel Plated
Spring and Locking Ring:	AISI 301
Locking Balls:	AISI 420
Seals:	Buna N
Plug:	Brass with anodized aluminium designation

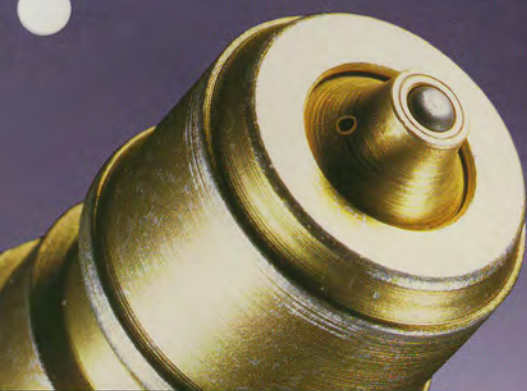
Options:

Seals: Other seals on request

Material: Nickel Plated (N)

Valve-Type: Single Shut-Off

* depending on the medium and seal material selected



THE PATENTED PRESSURE ELIMINATOR

With this sophisticated technology, coupling is no longer a problem even under static pressure. The Pressure Eliminator dissipates static pressure reliably and permits coupling by hand – even in low-leakage systems. Even at pressures of up to 2175 psi and a nominal diameter of 1 1/2".



T2500



T5000



38% of actual size



30% of actual size

T Series

1/8" – 2"
Temperature Range: -40° up to +95°F *

The T Series hydraulic coupling is characterized by a low pressure drop and minimum flow loss.

Connections:

1/8" NPTF, 1/4" NPTF, 3/8" NPTF, 1/2" NPTF, 3/4" NPTF, 1" NPTF, 1 1/2" NPTF, 2" NPTF, Female Thread

Standard Design:

Body:	Brass, Chromatized	Plug:	Steel Hardened, Zinc Chromated
Sleeve:	Brass, Chromatized	Plug Profile:	Steel Hardened, Zinc Chromated
Valve:	Brass	Valve:	Brass
Spring:	AISI 301	Spring:	AISI 301
Locking Balls:	AISI 420 C	Seal:	Nitrile
Seals:	Nitrile	3800 and 5000:	
3800 and 5000:		Valve Holder (up to 212°F):	Zinc-alloy
Valve Holder (over 212°F):	Brass	Valve Holder (over 212°F):	Brass
7500 Valve Holder:	Brass	7500 Valve Holder:	Brass
10000 Valve Holder:	Brass	10000 Valve Holder:	Brass
Locking Sleeve:	Brass	15000 and 20000:	
15000 and 20000:		Valve Holder:	AISI 316
Valve Holder:	AISI 316		

Options:

Seals: Viton® (V), other seals on request

Material: Stainless Steel, POM (Delrin-Acetal)

Valve-Type: Double Shut-Off

* depending on the medium and seal material selected

H Series

1/2" – 1"
Temperature Range: -40° up to 38°F *

The H Series features new materials to withstand harsh environments and severe working conditions.

Connections:

1/2" NPTF, 3/4" NPTF, 1" NPTF
Female Thread

Standard Design:

Body:	Steel, Zinc Plated, aquarez-treated
Sleeve:	Steel, Zinc Plated, aquarez-treated
Valve:	Brass, hard-drawn
Spring:	AISI 301
Locking Balls:	AISI 420 C
Seals:	Nitrile
Valve Holder:	Brass, hard-drawn

Options:

Seals: Other seals on request

Valve-Type: Double Shut-off



37% of actual size

TEMA®

Quick Connect Couplings
Hydraulic



45% of actual size



35% of actual size

FF Series

1/2" – 1"
Temperature Range:
-40° up to 95°F *

The FF Series is a double shut-off dry break design, assuring no oil loss or formation of air bubbles entering into the system.

Connections:

1/2" NPTF, 3/4" NPTF, 1" NPTF, 1 1/4" NPTF, Female Thread

Standard Design:

Body:	Steel, Zinc and Yellow passivated
Sleeve:	Steel Hardened, Zinc Plated
Valve:	Steel
Springs:	AISI 301
Locking Balls:	AISI 420 C
Seals:	Nitrile
Valve Holder:	Steel, Zinc Plated
Plug:	
Plug Profile:	Steel Hardened, Zinc Plated
Valve (without Eliminator):	Steel
Valve (with Eliminator):	Brass
Spring:	AISI 301
Seal:	Nitrile
Valve Holder:	Brass

Options: Seals: Viton®, other seals on request

Material: Brass

Valve-Type: Dry Break (Double Shut-off)

* depending on the medium and seal material selected

IA-Series

1/2" and 1"
Temperature Range:
-40° up to 95°F *

The A Series is manufactured in accordance with specification ISO 7241-1 A and SMS 3275 for agricultural machinery.

Connections:

1/2" NPTF, 1" NPTF
Female Thread

Standard Design:

Body:	Brass, Chromatized
Sleeve:	Brass, Nickel Plated
Seals:	Nitrile
Back-up Ring:	PTFE (Teflon)
Valve:	Brass, hard-drawn
Locking Balls:	Stainless Steel
Springs:	Stainless Steel
Plug:	Steel Hardened, Zinc Plated

Options:

Seals: Viton®, other seals on request

Valve-Type: Double Shut-off

IB-Series

1/4" – 1"
Temperature Range:
-40° up to +38°F *

The B Series couplings are manufactured in compliance with ISO Standard 7241-1 Series B.

Connections:

1/4" NPTF, 3/8" NPTF, 1/2" NPTF, 3/4" NPTF, 1" NPTF, Female Thread

Standard Design:

Body:	Brass, Chromatized	7500 +10000
Sleeve:	Brass, Chromatized	Body: Steel, Zinc Plated
Valve:	Brass	Sleeve: Steel, Zinc and Yellow passivated, aquarez-treated
Springs:	AISI 301	Plug:
Locking Balls:	AISI 420 C	Plug Profile: Steel, Zinc and Yellow passivated, aquarez-treated
Seals:	Nitrile	Valve:
Valve Holder:	Brass	Spring: AISI 301
3800 and 5000		Seal: Nitrile
Sleeve:	Steel, Zinc and Yellow passivated, aquarez treated	Valve Holder: Brass
Valve Holder:	Zinc-alloy	3800 and 5000
		Valve Holder: Zinc-alloy

Options:

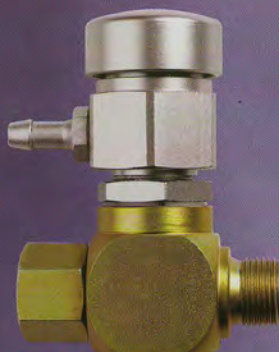
Seals: Other seals on request

Valve-Type: Double Shut-off

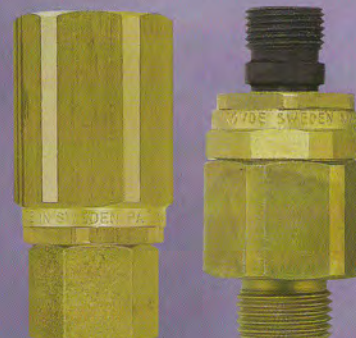


TIF5000

40% of actual size



75% of actual size



IF-Series

1/4" – 1"
Temperature Range:
-40 up to +38°F *

The IF Series is produced in accordance with ISO Standard 16028.

Connections:

1/4" NPTF, 3/8" NPTF, 1/2" NPTF, 3/4" NPTF, 1" NPTF, 1 1/4" NPTF, Female Thread

Standard Design:

Body:	Steel, Zinc Plated, aquarez-treated	Plug:
Sleeve:	Steel, Zinc Plated, aquarez-treated	Plug Profile: Steel Hardened
Valve:	Brass, hard-drawn	Valve:
Springs:	AISI 301	Spring: Brass, hard-drawn
Locking Balls:	AISI 420 C	Seal: AISI 316 Ti
Seals:	Nitrile	Seal: Nitrile
Valve Holder:	Zinc-alloy	Valve Holder: Brass
		3800 and 5000
		3600 and 7500
		Spring: Stainless Steel

Options:

Seals: Other seals on request

Valve-Type: Dry Break (Double Shut-off)

Pressure Relief Valve

Pressure Relief Valve
Tempe. Range: -40° up to 95°F *
depending on the media

Pressure Relief Valves are used in hydraulic systems having quick connect couplings where pressure build-up would not allow mechanical coupling.

Connections:

3/8" NPTF, 1/2" NPTF, 3/4" NPTF, 1" NPTF

Standard Design:

T-Connection:	Steel
Pressure Relieve Valve:	Brass
Seal:	Nitrile

Options:

Seals: Other seals on request

Swivel Joint

Pressure Relief Valve
Temperature Range:
-40° up to 38°F *

Swivel Joints can be used in hydraulic systems where a rotating connection is required.

Connections:

1/4" NPTF, 1/2" NPTF, 3/4" NPTF, 1" NPTF

Standard Design:

Body:	Brass
Swivelling Axis:	Steel, nitrated or Stainless Steel
Nut:	Steel, Zinc Plated
Seals:	Nitrile

Options:

Seals: Other seals on request

* depending on the medium and seal material selected