QUICK COUPLERS SELECTION GUIDE

MODEL	SAFE DISCONNECTION	CONNECTION	UNIVERSAL CONNECTION Accepts 3 or 5 plug types	MATERIAL	INDUSTRIAL (MIL-C-4109) I/M 1/4 S 20	INDUSTRIAL I/M 3/8 S 21	INDUSTRIAL I/M 1/2 S 22	ULTRAFLO E 7.8 S 31	ARO 210 A 1/4 S 23	TRUFLATE T 1/4 S 24	TRUFLATE T 3/8 S 25	TRUFLATE T 1/2 S 25	LINCOLN L 1/4 S 26	STÄUBLI S 6 S 30	STÄUBLI S 8 S 30
TOPQUIK SC	✓	Manual		Steel	38 SCFM 360 PSI	75 SCFM 360 PSI	175 SCFM 360 PSI	70 SCFM 360 PSI							
TOPQUIK	✓	Automatic		Composite	36 SCFM 225 PSI	72 SCFM 225 PSI	169 SCFM 225 PSI	60 SCFM 225 PSI							
QUIKSILVER		Automatic		Steel	44 SCFM 500 PSI	72 SCFM 435 PSI	145 SCFM 500 PSI	80 SCFM 500 PSI	44 SCFM 500 PSI						
AUTOMAX		Automatic		Brass	37 SCFM 250 PSI	62 SCFM 250 PSI	99 SCFM 250 PSI	50 SCFM 200 PSI	34 SCFM 250 PSI				32 SCFM 250 PSI		
AUTOMAX SLIM		Automatic		Brass	45 SCFM 150 PSI			60 SCFM 150 PSI	40 SCFM 150 PSI						
MAXQUIK		Manual		Zinc Plated Steel	24 SCFM 250 PSI	67 SCFM 250 PSI	99 SCFM 250 PSI		28 SCFM 250 PSI	24 SCFM 250 PSI	67 SCFM 250 PSI	92 SCFM 250 PSI			
MAXQUIK PLUS		Manual		Brass Stainless	37 SCFM 250 PSI										
UNISAFE	✓	Automatic	✓ S 20•31 23•24•26	Steel	34 SCFM 200 PSI			34 SCFM 200 PSI	34 SCFM 200 PSI	34 SCFM 200 PSI			34 SCFM 200 PSI		
UNIQUIK		Automatic	✓ S 20•23•24	Brass NP Brass	35 SCFM 150 PSI				35 SCFM 150 PSI	35 SCFM 150 PSI					
UNIQUIK SLIM		Automatic	✓ S 20•23•24	Brass	44 SCFM 150 PSI				44 SCFM 150 PSI	44 SCFM 150 PSI					
UNIMAX		Automatic	✓ S 20•31 23•24•26	Steel	37 SCFM 200 PSI			37 SCFM 200 PSI	37 SCFM 200 PSI	37 SCFM 200 PSI			37 SCFM 200 PSI		
ISOSAFE	✓	Automatic		Aluminium										45 SCFM 175 PSI	100 SCFM 145 PSI

HOW TO CHOOSE THE IDEAL QUICK COUPLER?

10 POINTS TO CONSIDER IN ORDER TO CHOOSE THE QUICK COUPLER FOR THE APPLICATION

POINT 1

ACCIDENT PREVENTION

AVOIDING DANGEROUS HOSE WHIPS

ZERO PRESSURE DISCONNECT COUPLERS

These couplers are **safe and easy to connect and disconnect.** Two-step disconnect procedure shuts off air supply and releases downstream air pressure before the plug can be removed from the coupler.

Hose whip is thereby prevented.



TOPQUIK



ISOSAFE



ZERO PRESSURE CONNECT/DISCONNECT COUPLERS

This coupler style allows connection and disconnection at zero pressure. Connector is securely locked before valve is opened, making connection easy and safe.

Downstream line is then exhausted before connector can be removed, eliminating hose whip.


UNISAFE


TOPQUIK SC

ACCIDENTAL DISCONNECTIONS

DRAG GUARDS

There is an integrated front flange designed to protect the retractable sleeve and minimize accidental disconnection when the coupler is dragged across the floor or over obstructions.


QUIKSILVER


MAXQUIK

POINT 2

FLOW (SCFM) AND PRESSURE (PSI) REQUIREMENTS

Determine the volume of air required in SCFM, at the desired working pressure, and then choose the appropriate coupler and plug combination. Inside diameter of the hose used may also be matched to the coupler size. Do not design in restrictions, such as a 1/2 ID hose with a low capacity 1/4 coupler. This restricts both air pressure and volume, thus reducing equipement performance.

The capacities of the coupler and plug used must be the same.

WARNING

Over-pressurization could result in a sudden failure of the coupling causing severe bodily injury or death. Be sure to select the proper coupling for your application and use only within the specified service pressure range.



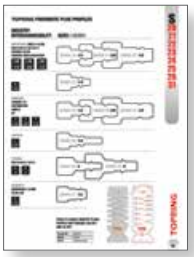
Consult the pneumatic tools flow reference guide page 460.

POINT 3

PLUG PROFILE

The plug profile used will determine the coupler type. There are several profiles used throughout industry today.

Key identification features are the length of the nose and type of locking groove. **TOPRING** offers the most commonly used profiles, covering over 97% of coupler applications.



Consult the pneumatic plug profiles page 95.

POINT 4

CONNECTION METHOD

AUTOMATIC COUPLERS

The plug is simply pushed into the coupler to connect; the coupler sleeve automatically retracts. The sleeve must be manually retracted to disconnect the plug. Automatic couplers are faster and easier to operate.



TOPQUIK | QUIKSILVER | AUTOMAX | AUTOMAX SLIM

UNISAFE | ISOSAFE | UNIQUIK | UNIQUIK SLIM | UNIMAX

MANUAL COUPLERS

These couplers require manual retraction of the sleeve in order to connect or disconnect the plug. This style offers the greatest economy and is relatively safe. It requires two hands to connect.



TOPQUIK SC | MAXQUIK | MAXQUIK PLUS

POINT 5

WORK ENVIRONMENT

Quick couplers should be chosen based on: application, pressure, corrosion resistance, etc.

High performance quick couplers should be used in harsher environments



QUIKSILVER

POINT 6

ENVIRONMENTAL CONDITIONS

Environmental conditions including, moisture, water, chemicals, ozone, ultraviolet radiation and air pollutants can cause degradation and premature failure.

Stainless Steel quick couplers should be considered.



MAXQUIK STAINLESS STEEL

FLUID AND TEMPERATURE

POINT 7

Body and seal materials of the coupler must be compatible with the fluid media and ambient temperature, both steady and transient. The limits of the coupler should not be exceeded. Excessive temperature, even for a short time, can dramatically shorten seal life.



DELICATE SURFACES

POINT 8

In some situations, the possibility of scratches is unacceptable (car body, furniture manufacturing).

Quick couplers with protection, should be used to protect delicate surfaces against scratches



TOPQUIK TOPQUIK SC Polyamide cover

ERGONOMICS

POINT 9

TOPQUIK quick couplers are very light compared to metal quick couplers offering better ergonomics.



TOPQUIK

Free angle plugs also offer better ergonomics.

See Series 62 for the complete selection.



HOSE WHIP

POINT 10

Using a hose whip (minimum 30cm) between the air tool and coupler will extend the life of the coupler by acting as a shock absorber and protecting it against vibration

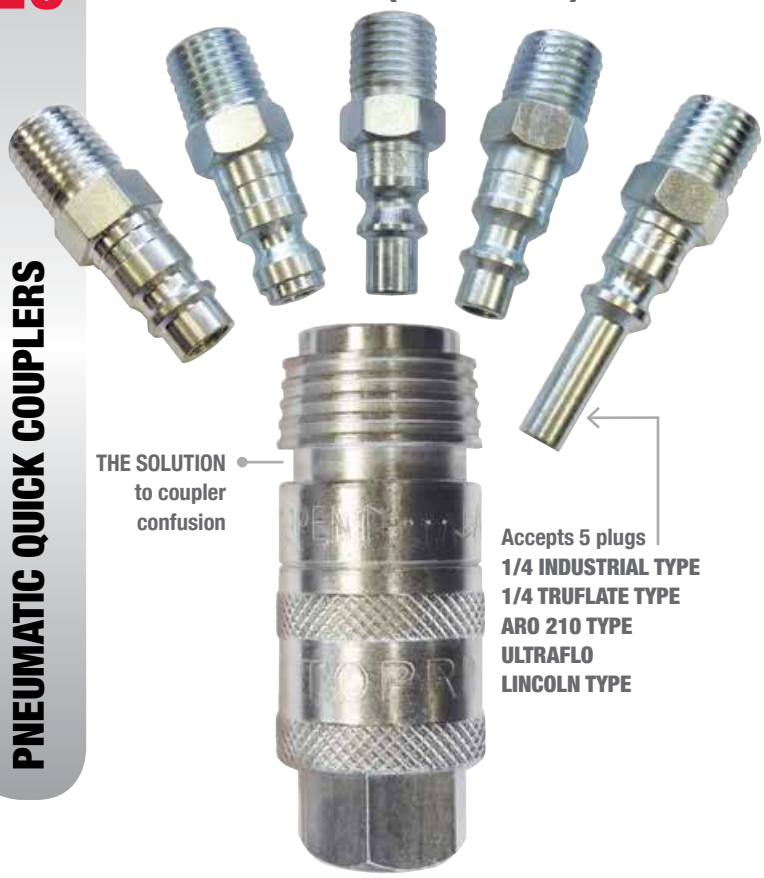


WARNING

Hose whips are highly recommended for all impact tools, or when strong vibrations are present

U 1/4

UNISAFE
UNIVERSAL INTERCHANGE SAFETY (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts ULTRAFLO, 1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, and LINCOLN type plugs
- Safety coupler minimizes the possibility of hazardous hose whip by exhausting air pressure prior to disconnection
- Valve sleeve is operated independently of locking sleeve. When the valve sleeve is moved to shut off airflow downstream pressure is automatically vented
- Disconnection and connection are performed easily at zero pressure
- Automatic push-to-connect operation
- Proven six-ball locking mechanism evenly distributes load to resist wear and to provide positive connections. It also provides accurate alignment and allows a swivelling action to reduce hose torque
- Knurling and grooves on the sleeves provide a good gripping surface for ease of operation
- Also acts as a slide-valve for shutting down air to applications

200 PSI | 34 SCFM | SAFETY SOLUTION

SAFETY COMES FROM A 2-STEP DISCONNECTION



Coupler and plug connected	Slide the large sleeve to release downstream pressure	Slide the small sleeve to release plug	Disconnection

APPLICATIONS

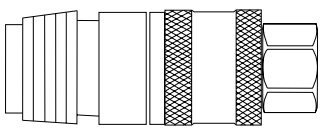
Any air tool or automated equipment connection where safety is of utmost concern (hose whip, accidental disconnection)

MATERIALS

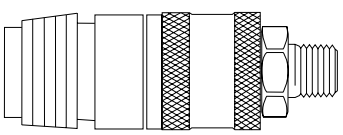
Body: Zinc plated steel
Sleeve: Corrosion resistant nickel plated steel
Valve: Brass
Valve Spring: Steel
Locking Mechanism: Nickel plated steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 200 PSI
Temperature Range: -20 °C to 93 °C
Airflow: 34 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
20.448	1/4 (F) NPT

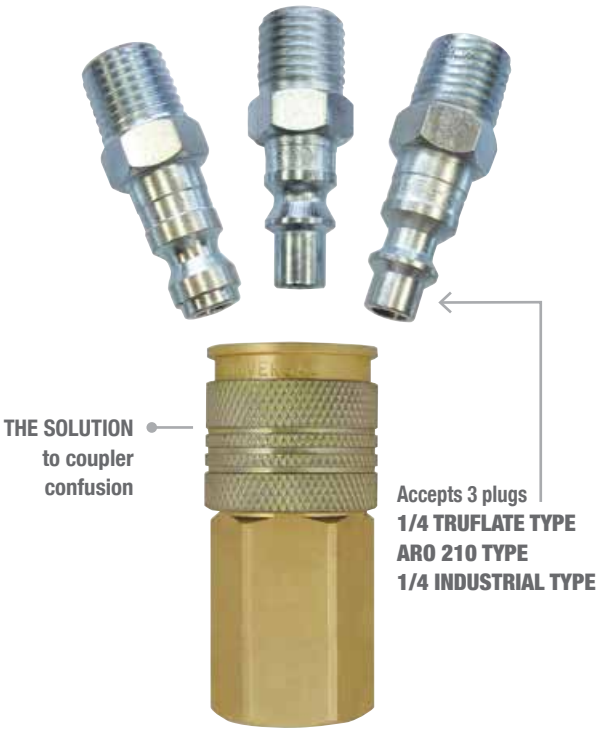


Product No	Male Thread
20.648	1/4 (M) NPT

U 1/4 UNIQUIK
UNIVERSAL INTERCHANGE (AUTOMATIC)

FEATURES AND BENEFITS

- Accepts 1/4 INDUSTRIAL, 1/4 TRUFLATE, and ARO 210 type plugs
- Automatic push-to-connect operation
- Corrosion-resistant brass or Nickel plated Brass construction
- Sleeve guard protects against accidental disconnection when the coupler is dragged on the floor or over obstructions
- Deep knurled socket sleeve for positive gripping
- Ball locking mechanism insuring on effective and secure connection



150 PSI

35 SCFM



APPLICATIONS

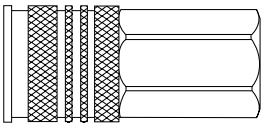
General air service and pneumatic tools

MATERIALS

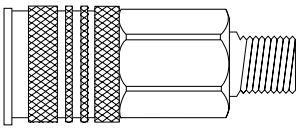
Body: Brass or nickel plated brass
Sleeve: Zinc plated steel / Nickel plated steel
Valve: Brass
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

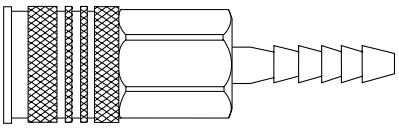
Maximum Working Pressure: 150 PSI
Temperature Range: -40 °C to 71 °C
Airflow: 35 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Brass **Product No**	Nickel plated brass **Product No**	Female Thread
20.440	**20.442**	1/4 (F) NPT
20.460	--	3/8 (F) NPT



Brass **Product No**	Nickel plated brass **Product No**	Male Thread
20.640	**20.642**	1/4 (M) NPT
20.660	--	3/8 (M) NPT



Brass **Product No**	Hose Barb
20.740	1/4 I.D.
20.760	3/8 I.D.

U 1/4

UNIMAX
UNIVERSAL INTERCHANGE
(AUTOMATIC)



FEATURES AND BENEFITS

- Accepts ULTRAFLO, 1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, and LINCOLN type plugs
- Proven six-ball locking mechanism evenly distributes load to resist wear for longer service life
- Automatic push-to-connect operation
- Corrosion-resistant nickel plated steel construction
- Sleeve guard protects against accidental disconnection when the coupler is dragged on the floor or over obstructions
- Deep knurled socket sleeve for positive gripping

200 PSI

37 SCFM

Quick couplers available with swivel connection
SEE SERIES 62

62.710
UNIVERSAL
UNIMAX swivel
coupler with
flow regulator



62.714
UNIVERSAL
UNIMAX
swivel
coupler



APPLICATIONS

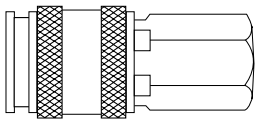
General air service and pneumatic tools

MATERIALS

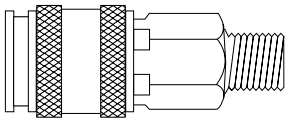
Body: Nickel plated steel
Sleeve: Nickel plated steel
Valve: Steel
Valve Spring: Steel
Locking Mechanism: Stainless steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 200 PSI
Temperature Range: -40 °C to 100 °C
Airflow: 37 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
20.441	1/4 (F) NPT



Product No	Male Thread
20.641	1/4 (M) NPT

U 1/4 UNIQUIK SLIM
UNIVERSAL INTERCHANGE
(AUTOMATIC)



Accepts 3 plugs
1/4 TRUFLATE TYPE
ARO 210 TYPE
1/4 INDUSTRIAL TYPE



THE SOLUTION
to coupler
confusion

FEATURES AND BENEFITS

- Accepts 1/4 INDUSTRIAL, 1/4 TRUFLATE and ARO 210 type plugs
- Automatic push-to-connect operation
- High airflow
- 33% lighter than a regular coupler
- Compact design prevents accidental disconnection
- One hand disconnection
- Corrosion-resistant brass
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using six-ball locking mechanism

150 PSI

44 SCFM

ONE HAND DISCONNECTION

- Hold coupler with 3 fingers
- Remove sleeve with thumb and index





Comparative size between regular UNIQUIK and UNIQUIK SLIM

APPLICATIONS

Pneumatic tools

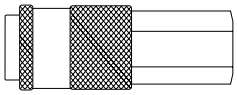
Ideal for the pharmaceutical industry, furniture and textiles

MATERIALS

Body: Brass
Sleeve: Brass
Valve: Brass
Valve Spring: Steel
Locking Mechanism: Steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 150 PSI
Temperature Range: -40 °C to 100 °C
Airflow: 44 SCFM to 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
20.433	1/4 (F) NPT

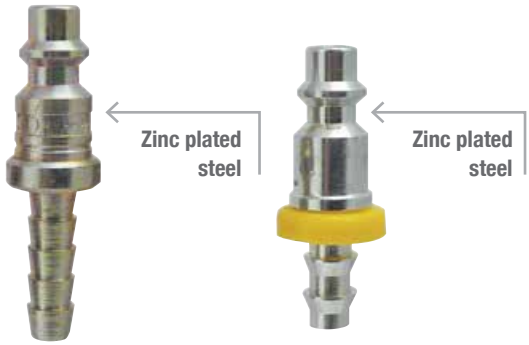
WARNING

It is not recommended to use SLIM couplers with pneumatic impact tools unless a hose whip is installed between the tool and the coupler.
For more information, see series 62

I/M 1/4 INDUSTRIAL INTERCHANGE PLUGS

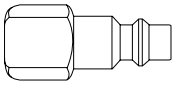




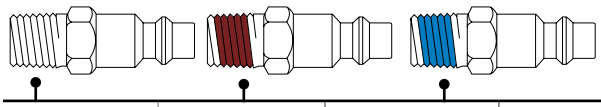


FEATURES AND BENEFITS

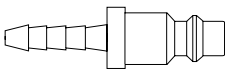
- Compatible with 1/4 INDUSTRIAL couplers
- Compatible with ISO standards 6150 B-12 and MIL-C-4109
- Zinc plated or stainless steel 304 for strength
- Corrosion resistant for long service life
- Manufactured to high quality standards to ensure compatibility
- Threads sealant coating for air tight connections (20.246 and 20.248)



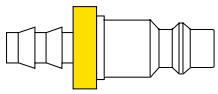
Zinc Plated Steel **Product No**	Stainless Steel **Product No**	Female Thread
20.122	--	1/8 (F) NPT
20.142	**20.146**	1/4 (F) NPT
20.162	--	3/8 (F) NPT



Zinc Plated Steel **Product No**	Zinc Plated Steel with sealant coating **Product No**	Stainless Steel with sealant coating **Product No**	Male Thread
20.222	--	--	1/8 (M) NPT
20.242	**20.248**	**20.246**	1/4 (M) NPT
20.262	--	--	3/8 (M) NPT



Zinc Plated Steel **Product No**	Hose Barb
20.342	1/4 I.D.
20.352	5/16 I.D.
20.362	3/8 I.D.



Zinc Plated Steel **Product No**	Hose Barb (Lock-On)
20.345	1/4 I.D.
20.365	3/8 I.D.

TOPQUIK SAFETY BLOW GUNS WITH INDUSTRIAL PLUG

OSHA SAFETY SOLUTION

SPECIFICATIONS

Maximum Working Pressure: 174 PSI

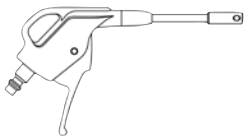
Noise Level:

60.090 : 85 dB at 87 PSI

60.092 : 87 dB at 87 PSI

Airflow: 7.7 SCFM





Product No	Description
60.090	Blow gun with 1/4 INDUSTRIAL plug and safety metal nozzle



Product No	Description
60.092	Blow gun with 1/4 INDUSTRIAL plug and safety polyamide nozzle

FREE ANGLE PLUGS 30°/ 45° / 75°

Free angle plugs are designed to provide 360° rotation and up to 30°, 45° or 75° of angle for an ergonomic solution.

See Series 62



I/M 1/4

TOPQUIK SC INDUSTRIAL INTERCHANGE SAFETY (MANUAL)



Compatible plugs PAGE 104

FEATURES AND BENEFITS

- **Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)**
- **Prevents dangerous hose whip through a 2-step disconnection making it safe**
- **Meets ISO 4414 safety standards**
- **Full flow:** tools work at maximal performance without having to increase the supply pressure
- **Zero load pressure**
  - connects with no effort because no pressure resistance
  - safe disconnection because downstream pressure is automatically vented
- **Low disconnection noise reduces workplace noise pollution**
- **Reliability and durability**



APPLICATIONS

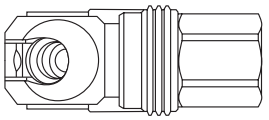
Assembly line and pneumatic hand tools
Any air tool connection where hose whip and disconnection must be avoided

MATERIALS

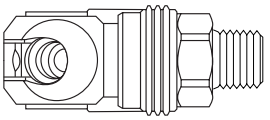
Black part: Steel, nickel plated / Aluminium
Sleeve: Zinc diecast, nickel plated, orange rubber coating
Housing: Steel, tenifer treated
Cylinder: Surface hardened steel, nickel plated
Valve Spring: Stainless steel
Seal: Nitrile (NBR)

SPECIFICATIONS

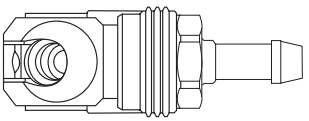
Maximum Working Pressure: 360 PSI
Operating Pressure: Connection/disconnection to maximum 200 PSI
Temperature Range: -20 °C to 100 °C
Airflow: 38 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
20.847	1/4 NPT
20.867	3/8 NPT
20.887	1/2 NPT



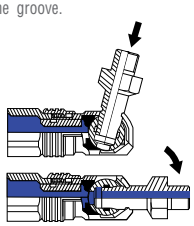
Product No	Male Thread
20.947	1/4 NPT
20.967	3/8 NPT
20.987	1/2 NPT



Product No	Hose Barb
20.547	1/4 I.D.
20.557	5/16 I.D.
20.567	3/8 I.D.

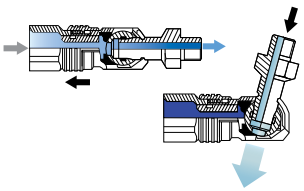
SAFETY COMES FROM A 2-STEP DISCONNECTION

CONNECTION
Push compatible plug into coupling and swing approximately 90 ° until the orange ring engages in the groove.



Pressure is in motion.

DISCONNECTION
Pull back orange ring and swing plug to stop. Remove plug from coupling.



In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.



Unbreakable polyamide

Product No	Cover for
20.007	TOPQUIK SC 1/4

The polyamide cover is slipped over the housing of the TOPQUIK SC to protect the work piece, e.g. for work on car body parts, furniture, etc.



Vinyl

Product No	Protective Sleeve for
20.017	TOPQUIK SC 1/4

Slides over airline coupling installation. Provides complete protective coverage of coupler and plug.

I/M 1/4 TOPQUIK INDUSTRIAL INTERCHANGE SAFETY (AUTOMATIC)





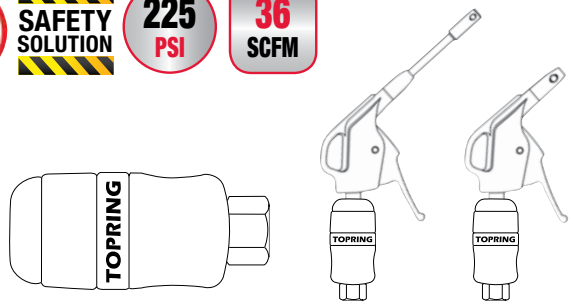
TOPQUIK couplers with safety blow guns

OSHA MEETS OR EXCEEDS OSHA STANDARDS

FEATURES AND BENEFITS

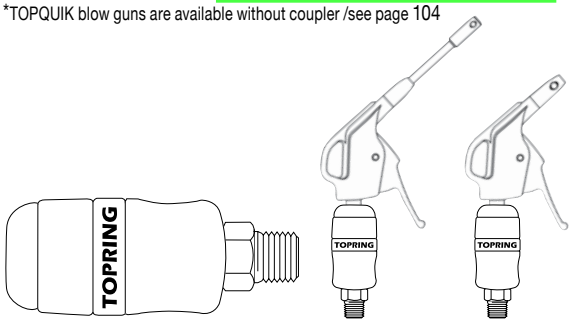
- Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)
- Prevents dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching of delicate surfaces
- Super light weight composite body contributes to ergonomics and safety
- Automatic push-to-connect operation
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meets ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof reliability

SAFETY SOLUTION | 225 PSI | 36 SCFM



TOPQUIK Coupler		Coupler and Blow Gun* Kit	
Product No	Female Thread	with metal nozzle	with polyamide nozzle
20.449	1/4 (F) NPT	60.090.01	60.092.01
20.469	3/8 (F) NPT	60.090.02	60.092.02

*TOPQUIK blow guns are available without coupler /see page 104



TOPQUIK Coupler		Coupler and Blow Gun* Kit	
Product No	Male Thread	with metal nozzle	with polyamide nozzle
20.649	1/4 (M) NPT	60.090.04	60.092.04
20.669	3/8 (M) NPT	60.090.05	60.092.05

*TOPQUIK blow guns are available without coupler /see page 104

APPLICATIONS

Any air tool connection where hose whip and accidental disconnection must be avoided

MATERIALS

COUPLER

Body: High-impact fiberglass composite

Backnut: Nickel plated brass

Seals: Buna-N/Nitrile

BLOW GUN

Body: Polyamide

SPECIFICATIONS

COUPLER

Maximum Working Pressure: 225 PSI

Temperature Range: -15 °C to 70 °C

Airflow: 36 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

BLOW GUN

Maximum Working Pressure: 174 PSI

Airflow: 7.7 SCFM

Noise Level: 60.090 : 85 dB at 87 PSI
60.092 : 87 dB at 87 PSI

SAFETY COMES FROM A 2-STEP DISCONNECTION



06_06_2016

I/M 1/4 QUIKSILVER INDUSTRIAL INTERCHANGE (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)
- High performance, corrosion-resistant coupler for long service life
- Delivers high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using ball locking mechanism

- **HIGH FLOW**
- **HIGH PRESSURE**
- **EASY TO CONNECT**

500 PSI

44 SCFM

APPLICATIONS

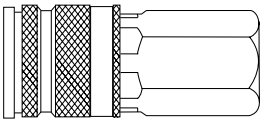
For general use for any compressed air systems and pneumatic tools

MATERIALS

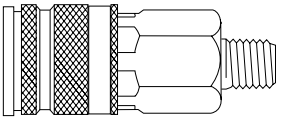
Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 500 PSI
Temperature Range: -20 °C to 60 °C
Airflow: 44 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
20.446	1/4 (F) NPT
20.466	3/8 (F) NPT
20.486	1/2 (F) NPT



Product No	Male Thread
20.646	1/4 (M) NPT
20.666	3/8 (M) NPT
20.686	1/2 (M) NPT

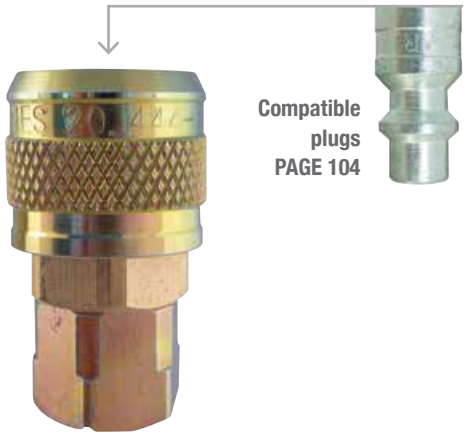
I/M 1/4 AUTOMAX INDUSTRIAL INTERCHANGE (AUTOMATIC)

FEATURES AND BENEFITS

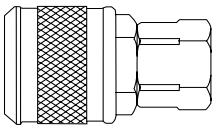
- Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)
- Automatic push-to-connect operation
- Proven and positive connection using pin lock mechanism

250 PSI

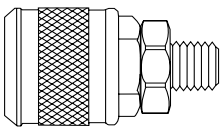
37 SCFM



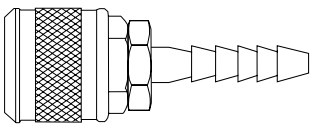
Compatible plugs PAGE 104



Product No	Female Thread
20.444	1/4 (F) NPT
20.464	3/8 (F) NPT



Product No	Male Thread
20.644	1/4 (M) NPT
20.664	3/8 (M) NPT



Product No	Hose Barb
20.744	1/4 I.D.
20.764	3/8 I.D.

APPLICATIONS

General air service and pneumatic tools

MATERIALS

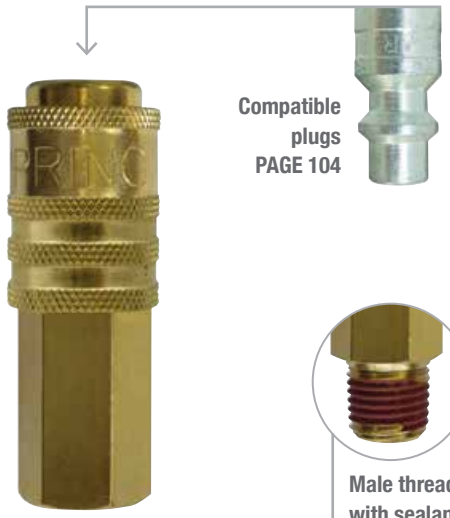
Body: Brass
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Springs: Stainless steel
Valve: Brass
Locking Mechanism: Hardened steel and zinc plated pins
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 37 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

I/M 1/4

AUTOMAX SLIM
INDUSTRIAL INTERCHANGE
(AUTOMATIC)



FEATURES AND BENEFITS

- Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)
- Automatic push-to-connect operation
- High airflow
- 33% lighter than a regular coupler
- Compact design prevents accidental disconnection
- One hand disconnection
- Corrosion-resistant Brass
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using six-ball locking mechanism

150 PSI

45 SCFM

ONE HAND DISCONNECTION

• Hold coupler with 3 fingers • Remove sleeve with thumb and index





Comparative size between regular **AUTOMAX** and **AUTOMAX SLIM**

APPLICATIONS

Pneumatic tools

Ideal for the pharmaceutical industry, furniture and textiles

MATERIALS

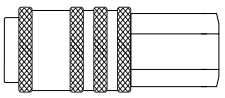
Body: Brass
Sleeve: Brass
Valve: Brass
Valve Spring: Steel
Locking Mechanism: Steel balls
Seals: Buna-N/Nitrile
Sealant: Sealant coating for air tight connection (20.643)

SPECIFICATIONS

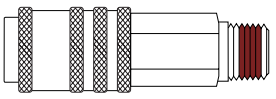
Maximum Working Pressure: 150 PSI
Temperature Range: -40 °C to 100 °C
Airflow: 45 SCFM to 100 PSIG inlet with 10 PSIG pressure drop

WARNING

It is not recommended to use SLIM couplers with pneumatic impact tools unless a hose whip is installed between the tool and the coupler.
For more information, see series 62



Product No	Female Thread
20.443	1/4 (F) NPT



Product No	Male Thread
20.643	1/4 (M) NPT

I/M 1/4 MAXQUIK PLUS INDUSTRIAL INTERCHANGE (MANUAL)



Brass

Stainless Steel 304

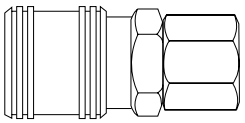
Compatible plugs PAGE 104

FEATURES AND BENEFITS

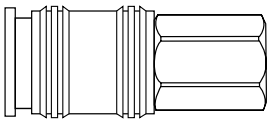
- Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)
- Rugged and reliable
- Ball locking mechanism
- Sleeve must be manually retracted to connect or disconnect the plug

250 PSI

37 SCFM



Brass **Product No**	Female Thread
20.844	1/4 (F) NPT



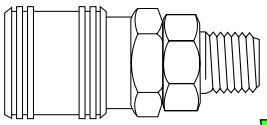
Stainless Steel **Product No**	Female Thread
20.846	1/4 (F) NPT

APPLICATIONS

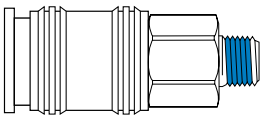
General air service, pneumatic tools, food and pharmaceutical industries (stainless steel)

MATERIALS

Body: Brass / stainless steel 304
Sleeve: Nickel plated steel / stainless steel
Valve: Zinc plated steel / stainless steel
Locking Mechanism: Stainless steel balls
Valve Spring: Stainless steel
Seals: Buna-N/Nitrile



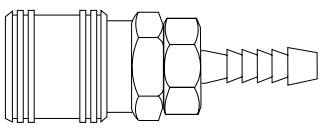
Brass **Product No**	Male Thread
20.944	1/4 (M) NPT



Stainless Steel with sealant coating **Product No**	Male Thread
20.946	1/4 (M) NPT

SPECIFICATIONS

Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 37 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Brass **Product No**	Hose Barb
20.544	1/4 I.D.
20.564	3/8 I.D.

I/M 1/4

MAXQUIK
INDUSTRIAL INTERCHANGE
(MANUAL)

FEATURES AND BENEFITS

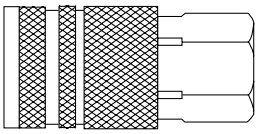
- Accepts 1/4 INDUSTRIAL type plugs (MIL-C-4109)
- Sleeve must be manually retracted to connect or disconnect the plug
- Compact and economic design
- Four-ball locking mechanism allows for a tight and long-lasting connection
- Sleeve guard prevents accidental disconnection
- Deep knurled socket sleeve for positive gripping



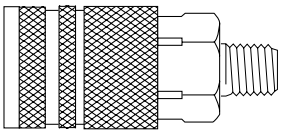
Compatible plugs PAGE 104

250 PSI

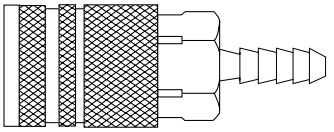
24 SCFM



Product No	Female Thread
20.842	1/4 (F) NPT
20.862	3/8 (F) NPT



Product No	Male Thread
20.942	1/4 (M) NPT
20.962	3/8 (M) NPT



Product No	Hose Barb
20.542	1/4 I.D.
20.562	3/8 I.D.

APPLICATIONS

Pneumatic tools such as staplers, nailers, screwdrivers, and others

MATERIALS

Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Zinc plated steel
Valve Spring: Nickel plated steel
Locking Mechanism: Nickel plated steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 24 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

I/M 1/4 MAXQUIK INDUSTRIAL INTERCHANGE COUPLER KITS

TOOL CONNECTION KIT

Ideal for connecting a tool to a air hose



Product No	Description
20.711C	1 x 20.842 Manual Coupler 1/4 (F) NPT
	1 x 20.242 Plug 1/4 (M) NPT

DOUBLE HOSE SPLITTER WITH COUPLERS AND PLUG

Allows connection of 2 tools to a single air supply hose



Product No	Description
20.702C	2 x 20.942 Manual Coupler 1/4 (M) NPT
	1 x 62.850 Double Manifold
	1 x 20.242 Plug 1/4 (M) NPT

HOSE CONNECTION KIT

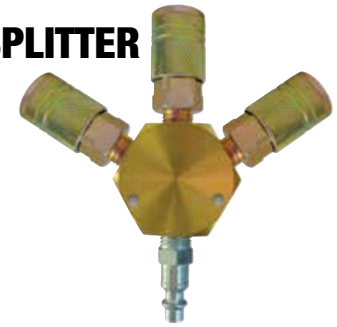
Ideal for connections to the tool or the air supply



Product No	Description
20.704C	1 x 20.842 Manual Coupler 1/4 (F) NPT
	1 x 20.142 Plug 1/4 (F) NPT
	1 x 20.242 Plug 1/4 (M) NPT
	1 x 41.105 Plug 1/4 (M) NPT

TRIPLE HOSE SPLITTER WITH COUPLERS AND PLUG

Allows connection of 3 tools to a single air supply hose



Product No	Description
20.703C	3 x 20.942 Manual Coupler 1/4 (M) NPT
	1 x 62.810 Triple Manifold
	1 x 20.242 Plug 1/4 (M) NPT

TRIPLE TOOL HOSE CONNECTION KIT

Allows to easily interchange 3 tools to air hose



Product No	Description
20.712C	1 x 20.842 Manual Coupler 1/4 (F) NPT
	1 x 20.142 Plug 1/4 (F) NPT
	3 x 20.242 Plug 1/4 (M) NPT

I/M 1/4 AUTOMAX SLIM INDUSTRIAL INTERCHANGE COUPLER KITS

TOOL CONNECTION KIT

Ideal for connecting tool hose to an air hose



Product No	Description
20.713C	1 x 20.443 AUTOMAX SLIM Coupler 1/4 (F) NPT
	1 x 20.248 Plug 1/4 (M) NPT

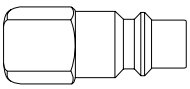
I/M 3/8 INDUSTRIAL INTERCHANGE PLUGS

FEATURES AND BENEFITS

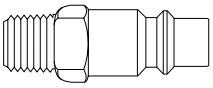
- Compatible with 3/8 INDUSTRIAL couplers
- Hardened steel construction for strength and corrosion resistant zinc plating for long service life
- Compatible with ISO standards 6150 B-15 and MIL-C-4109



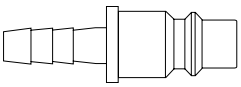
Zinc plated steel



Product No	Female Thread
21.142	1/4 (F) NPT
21.162	3/8 (F) NPT
21.182	1/2 (F) NPT



Product No	Male Thread
21.242	1/4 (M) NPT
21.262	3/8 (M) NPT
21.282	1/2 (M) NPT



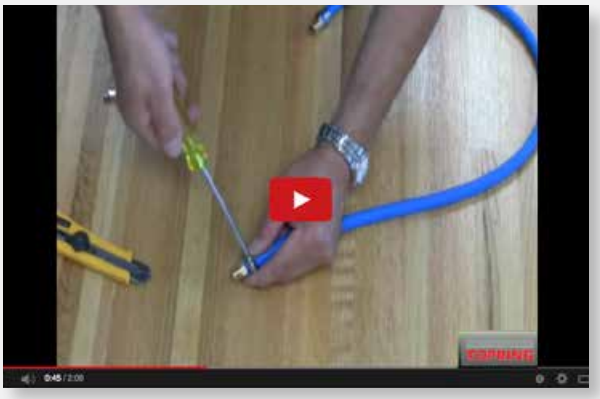
Product No	Hose Barb
21.342	1/4 I.D.
21.362	3/8 I.D.
21.382	1/2 I.D.



For air tight connection, it is recommended to use PTFE tape on male threads

See the video section at TOPRING.com to learn ...

How to repair an air hose



How to do an ergonomic connection at the air tool



I/M 3/8

TOPQUIK SC INDUSTRIAL INTERCHANGE SAFETY (MANUAL)



Compatible plugs
PAGE 113

FEATURES AND BENEFITS

- **Accepts 3/8 INDUSTRIAL type plugs (MIL-C-4109)**
- **Prevents dangerous hose whip through a 2-step disconnection making it safe**
- **Meets ISO 4414 safety standards**
- **Full flow:** tools work at maximal performance without having to increase the supply pressure
- **Zero load pressure**
  - connects with no effort because no pressure resistance
  - safe disconnection because downstream pressure is automatically vented
- **Low disconnection noise reduces workplace noise pollution**
- **Reliability and durability**

360 PSI | 75 SCFM | SAFETY SOLUTION

APPLICATIONS

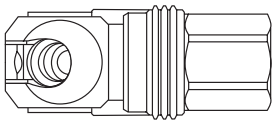
Assembly line and pneumatic hand tools
Any air tool connection where hose whip and disconnection must be avoided

MATERIALS

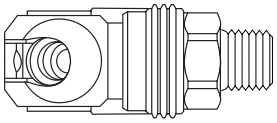
Black Part: Steel, nickel plated / Aluminium
Sleeve: Zinc diecast, nickel plated, orange rubber coating
Housing: Steel, tenifer treated
Cylinder: Surface hardened steel, nickel plated
Valve Spring: Stainless steel
Seal: Nitrile (NBR)

SPECIFICATIONS

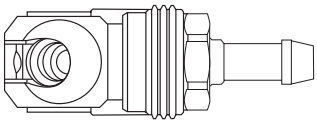
Maximum Working Pressure: 360 PSI
Operating Pressure: Connection/disconnection to maximum 200 PSI
Temperature Range: -20 °C to 100 °C
Airflow: 75 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
21.847	1/4 NPT
21.867	3/8 NPT
21.887	1/2 NPT



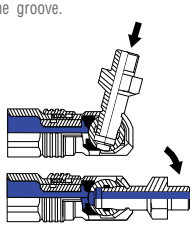
Product No	Male Thread
21.947	1/4 NPT
21.967	3/8 NPT
21.987	1/2 NPT



Product No	Hose Barb
21.557	5/16 I.D.
21.567	3/8 I.D.
21.587	1/2 I.D.

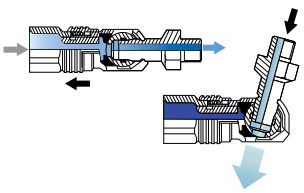
SAFETY COMES FROM A 2-STEP DISCONNECTION

CONNECTION
Push compatible plug into coupling and swing approximately 90 ° until the orange ring engages in the groove.

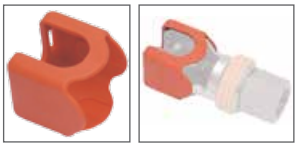


Pressure is in motion.

DISCONNECTION
Pull back orange ring and swing plug to stop. Remove plug from coupling.



In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.



Unbreakable polyamide

Product No	Cover for
21.007	TOPQUIK SC 3/8

The polyamide cover is slipped over the housing of the TOPQUIK SC to protect the work piece, e.g. for work on car body parts, furniture, etc.



Vinyl

Product No	Protective Sleeve for
21.017	TOPQUIK SC 3/8

Slides over airline coupling installation. Provides complete protective coverage of coupler and plug.

I/M 3/8

TOPQUIK INDUSTRIAL INTERCHANGE SAFETY (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts 3/8 INDUSTRIAL type plugs (MIL-C-4109)
- Prevents dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching of delicate surfaces
- Super light weight contributes to ergonomics and safety
- Disconnection sound level of only 80 dB
- When the sleeve is moved to shut off airflow, downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meets ISO 4414 safety standards
- Automatic push-to-connect operation
- Leak-proof reliability



APPLICATIONS

Any air tool or automated equipment connection where safety is of utmost concern (hose whip, accidental disconnection)

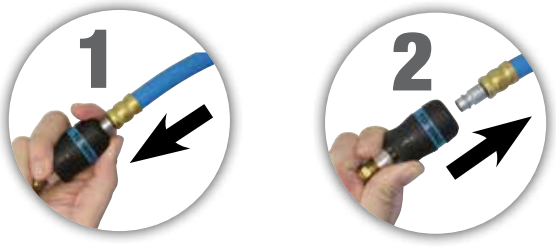
MATERIALS

Body: High-impact fiberglass composite
Backnut: Nickel plated brass
Seals: Buna-N/Nitrile

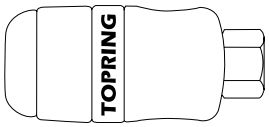
SPECIFICATIONS

Maximum Working Pressure: 225 PSI
Temperature Range: -15 °C to 70 °C
Airflow: 72 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

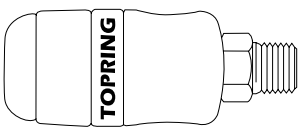
SAFETY COMES FROM A 2-STEP DISCONNECTION



- Slide the sleeve back to release downstream pressure
- The plug is released, but held within the coupler
- Slide the sleeve forward
- The plug is released completely



Product No	Female Thread
21.449	1/4 (F) NPT
21.469	3/8 (F) NPT
21.489	1/2 (F) NPT



Product No	Male Thread
21.649	1/4 (M) NPT
21.669	3/8 (M) NPT
21.689	1/2 (M) NPT

I/M 3/8 QUIKSILVER INDUSTRIAL INTERCHANGE (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts 3/8 INDUSTRIAL type plugs (MIL-C-4109)
- High performance, corrosion-resistant coupler for long service life
- Delivers high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using ball locking mechanism

435 PSI

72 SCFM

APPLICATIONS

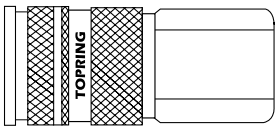
For general use for any compressed air systems and pneumatic tools

MATERIALS

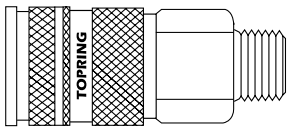
Body: Nickel plated brass
Drag Guard: Nickel plated brass
Valve Mechanism: Brass
Sleeve: Nickel plated steel
Valve Spring: Stainless steel
Locking Balls: Stainless steel
Seals: NBR

SPECIFICATIONS

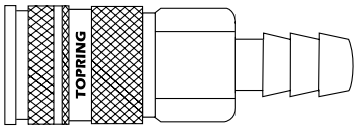
Maximum Working Pressure: 435 PSI
Temperature Range: -20 °C to 100 °C
Airflow: 72 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
21.446	1/4 (F) NPT
21.466	3/8 (F) NPT
21.486	1/2 (F) NPT



Product No	Male Thread
21.666	3/8 (M) NPT
21.686	1/2 (M) NPT



Product No	Hose Barb
21.786	1/2 I.D.

I/M 3/8 AUTOMAX INDUSTRIAL INTERCHANGE (AUTOMATIC)

FEATURES AND BENEFITS

- Accepts 3/8 INDUSTRIAL type plugs (MIL-C-4109)
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Proven and positive connection using pin locking mechanism
- Designed for rigid mounting that allows a simple push-to-connect operation
- High-flow capability



250 PSI

62 SCFM

APPLICATIONS

General air service and pneumatic tools

MATERIALS

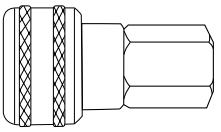
Body: Brass
Backnut: Brass
Sleeve: Brass
Valve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel pins
Seals: Buna-N/Nitrile

SPECIFICATIONS

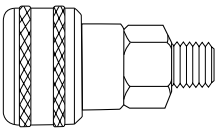
Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 62 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



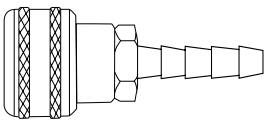
These couplers are designed for rigid wall mounting. They allow a simple push-to-connect operation if couplers are directly fixed to the wall or pluged into a fixed manifold.



Product No	Female Thread
21.442	1/4 (F) NPT
21.462	3/8 (F) NPT
21.482	1/2 (F) NPT

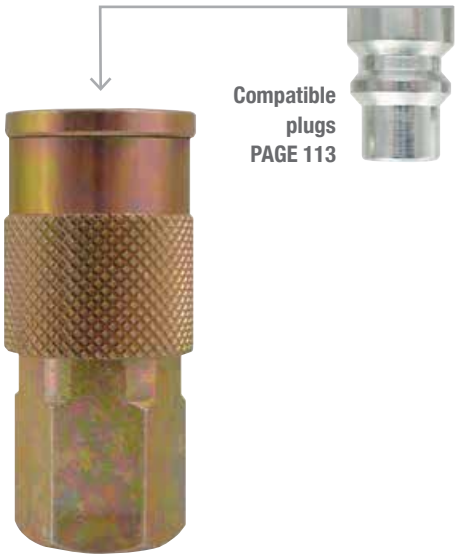


Product No	Male Thread
21.642	1/4 (M) NPT
21.662	3/8 (M) NPT
21.682	1/2 (M) NPT



Product No	Hose Barb
21.762	3/8 I.D.
21.782	1/2 I.D.

I/M 3/8 MAXQUIK INDUSTRIAL INTERCHANGE (MANUAL)



FEATURES AND BENEFITS

- Accepts 3/8 INDUSTRIAL type plugs (MIL-C-4109)
- Heavy-duty, high-quality design
- Sleeve must be manually retracted to connect or disconnect the plug
- Proven and positive connection using a ball locking mechanism
- High-flow capability
- Drag guard protects against accidental disconnection

250 PSI

56 SCFM

APPLICATIONS

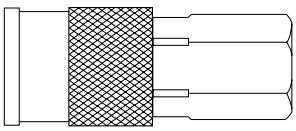
General air service and pneumatic tools

MATERIALS

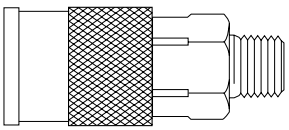
Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

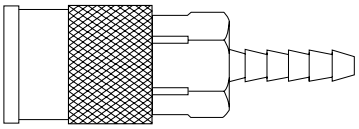
Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 56 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
21.842	1/4 (F) NPT
21.862	3/8 (F) NPT
21.882	1/2 (F) NPT



Product No	Male Thread
21.942	1/4 (M) NPT
21.962	3/8 (M) NPT
21.982	1/2 (M) NPT



Product No	Hose Barb
21.562	3/8 I.D.
21.582	1/2 I.D.

I/M 1/2 INDUSTRIAL INTERCHANGE PLUGS

FEATURES AND BENEFITS

- Compatible with 1/2 INDUSTRIAL type couplers
- Compatible with MIL-C-4109 and ISO standards 6150 B-17
- Hardened Steel construction for strength and corrosion resistant zinc plating for long service life
- Made precisely to standards to ensure compatibility



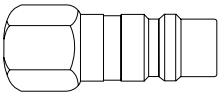




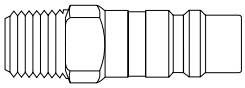
Zinc plated steel



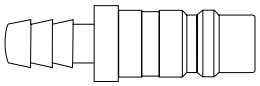
For air tight connection, it is recommended to use PTFE tape on male threads



Product No	Female Thread
22.162	3/8 (F) NPT
22.182	1/2 (F) NPT
22.192	3/4 (F) NPT



Product No	Male Thread
22.242	1/4 (M) NPT
22.262	3/8 (M) NPT
22.282	1/2 (M) NPT
22.292	3/4 (M) NPT



Product No	Hose Barb
22.362	3/8 I.D.
22.382	1/2 I.D.

Hose Whip: better control and better protection!

All sharp bends on hose lines should be avoided. These tend to shorten hose life, increase pressure drop, retard swivel action, increase pump load and raise the temperature of the fluid.

A hose whip should be installed to avoid strain on hose and coupler assembly.

Available with EASYflex® *PREMIUM* or TOPLEX hoses / See Series 62 for more details



I/M 1/2

TOPQUIK SC
INDUSTRIAL INTERCHANGE SAFETY (MANUAL)



Compatible plugs
PAGE 119

FEATURES AND BENEFITS

- **Accepts 1/2 INDUSTRIAL type plugs (MIL-C-4109)**
- **Prevents dangerous hose whip through a 2-step disconnection making it safe**
- **Meets ISO 4414 safety standards**
- **Full flow:** tools work at maximal performance without having to increase the supply pressure
- **Zero load pressure**
  - connects with no effort because no pressure resistance
  - safe disconnection because downstream pressure is automatically vented
- **Low disconnection noise reduces workplace noise pollution**
- **Reliability and durability**

360 PSI | 175 SCFM | SAFETY SOLUTION

APPLICATIONS

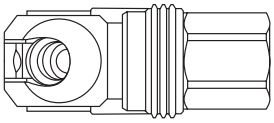
Assembly line and pneumatic hand tools
Any air tool connection where hose whip and disconnection must be avoided

MATERIALS

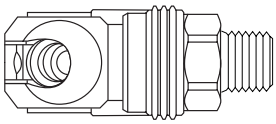
Black Part: Steel, nickel plated / Aluminium
Sleeve: Zinc diecast, nickel plated, orange rubber coating
Housing: Steel, tenifer treated
Cylinder: Surface hardened steel, nickel plated
Valve Spring: Stainless steel
Seal: Nitrile (NBR)

SPECIFICATIONS

Maximum Working Pressure: 360 PSI
Operating Pressure: Connection/disconnection to maximum 200 PSI
Temperature Range: -20 °C to 100 °C
Airflow: 175 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



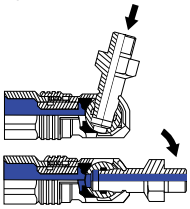
Product No	Female Thread
22.887	1/2 NPT
22.897	3/4 NPT



Product No	Male Thread
22.987	1/2 NPT
22.997	3/4 NPT

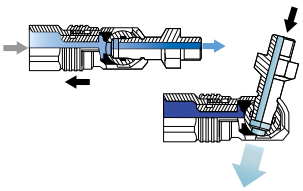
SAFETY COMES FROM A 2-STEP DISCONNECTION

CONNECTION
Push compatible plug into coupling and swing approximately 90 ° until the orange ring engages in the groove.

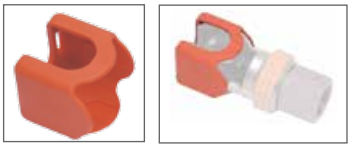


Pressure is in motion.

DISCONNECTION
Pull back orange ring and swing plug to stop. Remove plug from coupling.



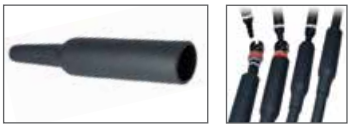
In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.



Unbreakable polyamide

Product No	Cover for
22.007	TOPQUIK SC 1/2

The polyamide cover is slipped over the housing of the TOPQUIK SC to protect the work piece, e.g. for work on car body parts, furniture, etc.



Vinyl

Product No	Protective Sleeve for
22.017	TOPQUIK SC 1/2

Slides over airline coupling installation. Provides complete protective coverage of coupler and plug.

07_06_2016

I/M 1/2 TOPQUIK INDUSTRIAL INTERCHANGE SAFETY (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts 1/2 INDUSTRIAL type plugs (MIL-C-4109)
- Prevents dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching of delicate surfaces
- Super light weight contributes to ergonomics and safety
- When the sleeve is moved to shut off airflow, downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meets ISO 4414 safety standards
- Disconnection sound level of only 80 dB
- Automatic push-to-connect operation
- Leak-proof reliability



APPLICATIONS

Any air tool or automated equipment connection where safety is of utmost concern (hose whip, accidental disconnection)

MATERIALS

Outer Body: High-impact fiberglass composite
Inner Body: Steel
Backnut: Nickel plated brass
Seals: Buna-N/Nitrile

SPECIFICATIONS

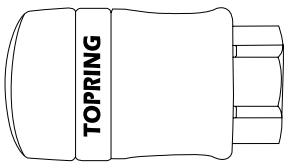
Maximum Working Pressure: 225 PSI
Temperature Range: -15 °C to 70 °C
Airflow: 169 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY COMES FROM A 2-STEP DISCONNECTION

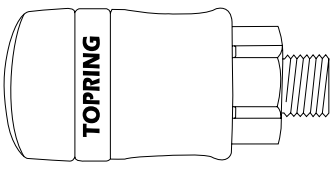


- Slide the sleeve back to release downstream pressure
- The plug is released, but held within the coupler

- Slide the sleeve forward
- The plug is released completely



Product No	Female Thread
22.469	3/8 (F) NPT
22.489	1/2 (F) NPT



Product No	Male Thread
22.669	3/8 (M) NPT
22.689	1/2 (M) NPT

I/M 1/2 QUIKSILVER INDUSTRIAL INTERCHANGE (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts 1/2 INDUSTRIAL type plugs (MIL-C-4109)
- High performance, corrosion-resistant coupler for long service life
- Delivers high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using ball locking mechanism

500 PSI

145 SCFM

APPLICATIONS

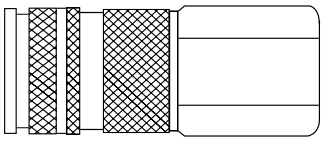
For general use for any compressed air systems and pneumatic tools

MATERIALS

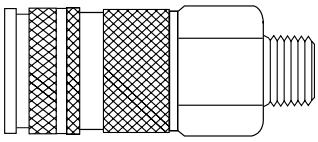
Body: Nickel plated brass
Drag Guard: Nickel plated brass
Valve Mechanism: Brass
Sleeve: Nickel plated steel
Valve Spring: Stainless steel
Locking Balls: Stainless steel
Seals: NBR

SPECIFICATIONS

Maximum Working Pressure: 500 PSI
Temperature Range: -20 °C to 100 °C
Airflow: 145 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
22.466	3/8 (F) NPT
22.486	1/2 (F) NPT



Product No	Male Thread
22.686	1/2 (M) NPT

I/M 1/2 AUTOMAX INDUSTRIAL INTERCHANGE (AUTOMATIC)

FEATURES AND BENEFITS

- Accepts 1/2 INDUSTRIAL type plugs (MIL-C-4109)
- Automatic push-to-connect operation
- Heavy-duty, high-quality design
- Designed for rigid mounting that allows a simple push-to-connect operation
- High-flow capability



Compatible plugs PAGE 119

250 PSI

99 SCFM

Male thread with sealant coating

APPLICATIONS

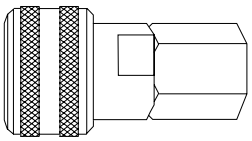
General air service and pneumatic tools

MATERIALS

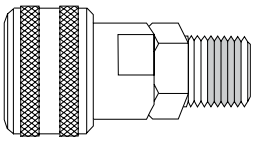
Body: Brass
Backnut: Brass
Sleeve: Brass
Valve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel pins
Seals: Buna-N/Nitrile

SPECIFICATIONS

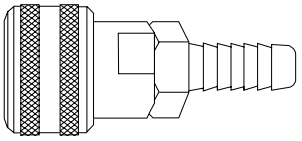
Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 99 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
22.482	1/2 (F) NPT



Product No	Male Thread
22.682	1/2 (M) NPT



Product No	Hose Barb
22.782	1/2 I.D.



These couplers are designed for rigid wall mounting. They allow a simple push-to-connect operation if couplers are sturdly fixed to the wall or if pluged into a fixed manifold.

I/M 1/2 MAXQUIK INDUSTRIAL INTERCHANGE (MANUAL)

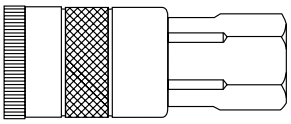
FEATURES AND BENEFITS

- Accepts 1/2 INDUSTRIAL (MIL-C-4109) type plugs
- High-flow capability
- Drag guard protects against accidental disconnection

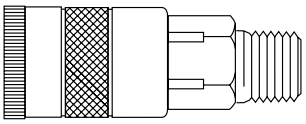
250 PSI

75 SCFM

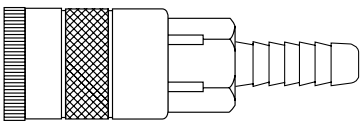




Product No	Female Thread
22.862	3/8 (F) NPT
22.882	1/2 (F) NPT
22.892	3/4 (F) NPT



Product No	Male Thread
22.982	1/2 (M) NPT
22.992	3/4 (M) NPT



Product No	Hose Barb
22.582	1/2 I.D.

APPLICATIONS

General air service and pneumatic tools

MATERIALS

Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Hardened and zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 75 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

A
1/4

ARO 210 INTERCHANGE PLUGS

FEATURES AND BENEFITS

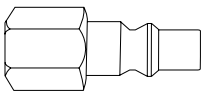
- Compatible with ARO 210 type couplers
- Hardened steel construction for strength and corrosion resistant zinc plating for long service life
- Made precisely to standards to ensure compatibility
- Sealant coating for air tight connections (23.248)



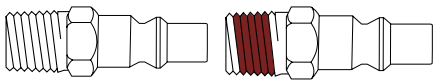
Zinc plated steel



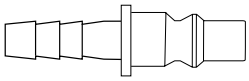
For air tight connection, it is recommended to use PTFE tape on male threads



Product No	Female Thread
23.142	1/4 (F) NPT



Product No	With sealant coating Product No	Male Thread
23.222	--	1/8 (M) NPT
23.242	23.248	1/4 (M) NPT



Product No	Hose Barb
23.342	1/4 I.D.
23.352	5/16 I.D.
23.362	3/8 I.D.

FREE ANGLE FITTING ARO 210 INTERCHANGE PLUG MAXPRO 30°

Free angle fittings are designed to provide 360° of rotation and up to 30° of angle for air tool and air hose supply lines

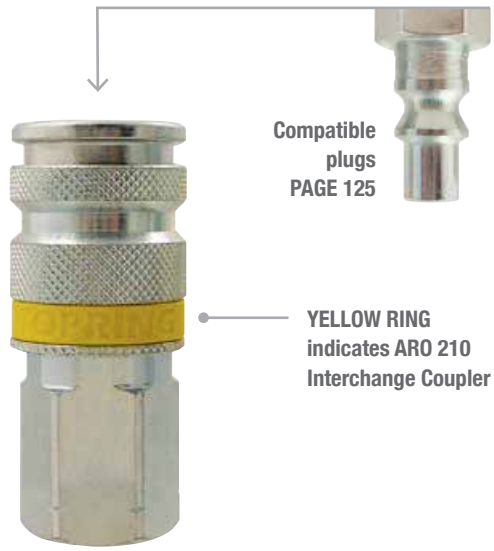
For more details see Series 62



62.365

A 1/4

QUIKSILVER
ARO 210 INTERCHANGE
(AUTOMATIC)



FEATURES AND BENEFITS

- Accepts ARO 210 type plugs
- High performance, corrosion-resistant couplers
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Sleeve guard protects against accidental disconnection
- High-quality design
- Deep knurled socket sleeve for positive gripping
- Secure and efficient connection using a ball locking mechanism

500 PSI

44 SCFM

APPLICATIONS

General air service

Pneumatic tools

MATERIALS

Body: Zinc plated steel

Ball Retainer and Drag Guard: Zinc plated steel

Valve: Brass

Sleeve: Zinc plated steel

Valve Spring: Stainless steel

Locking Mechanism: Hardened steel balls

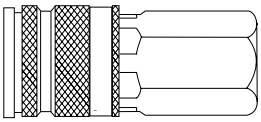
Seals: Buna-N/Nitrile

SPECIFICATIONS

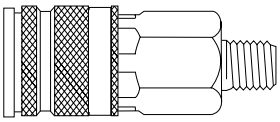
Maximum Working Pressure: 500 PSI

Temperature Range: -20 °C to 60 °C

Airflow: 44 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
23.446	1/4 (F) NPT



Product No	Male Thread
23.646	1/4 (M) NPT

A 1/4 AUTOMAX ARO 210 INTERCHANGE (AUTOMATIC)

FEATURES AND BENEFITS

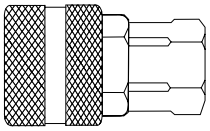
- Accepts ARO 210 type plugs
- Automatic push-to-connect operation
- Deep knurled socket sleeve offers an excellent grip

250 PSI

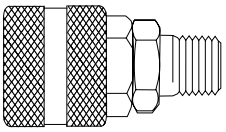
34 SCFM



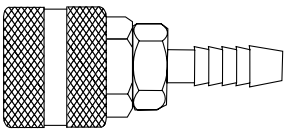
Compatible Plugs PAGE 125



Product No	Female Thread
23.444	1/4 (F) NPT
23.464	3/8 (F) NPT



Product No	Male Thread
23.644	1/4 (M) NPT
23.664	3/8 (M) NPT



Product No	Hose Barb
23.744	1/4 I.D.
23.764	3/8 I.D.

APPLICATIONS

General air service

Pneumatic tools

MATERIALS

Body: Brass

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Acetal

Valve Spring: Stainless steel

Locking Mechanism: Hardened steel and zinc plated pins

Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 250 PSI

Temperature Range: -40 °C to 107 °C

Airflow: 34 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

FREE ANGLE FITTING ARO 210 INTERCHANGE PLUG MAXPRO 30°

Free angle fittings are designed to provide 360° rotation and up to 30° of angle for air tool and air hose supply lines

For more details see Series 62



62.365

A 1/4

AUTOMAX SLIM
ARO 210 INTERCHANGE (AUTOMATIC)



Compatible plugs PAGE 125

FEATURES AND BENEFITS

- Accepts ARO 210 type plugs
- Automatic push-to-connect operation
- High airflow
- 33% lighter than a regular coupler
- Compact design prevents accidental disconnection
- One hand disconnection
- Corrosion-resistant brass
- Deep knurled socket sleeve for positive gripping
- Secure and efficient connection using six-ball locking mechanism

150 PSI

40 SCFM

ONE HAND DISCONNECTION

• Hold coupler with 3 fingers • Remove sleeve with thumb and index





Comparative size between regular **AUTOMAX** and **AUMAX SLIM**

APPLICATIONS

Pneumatic tools

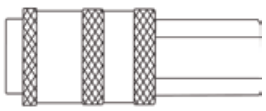
Ideal for the pharmaceutical industry, furniture and textiles

MATERIALS

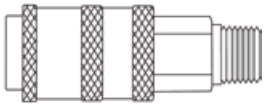
Body: Brass
Sleeve: Brass
Valve: Brass
Valve Spring: Steel
Locking Mechanism: Steel balls
Seals: Buna-N/Nitrile
Sealant: Pre-applied PTFE for air tight connection (23.643)

SPECIFICATIONS

Maximum Working Pressure: 150 PSI
Temperature Range: -40 °C to 100 °C
Airflow: 40 SCFM to 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
23.443	1/4 (F) NPT



Product No	Male Thread
23.643	1/4 (M) NPT

WARNING

It is not recommended to use SLIM couplers with pneumatic impact tools unless a hose whip is installed between the tool and the coupler.

A 1/4

MAXQUIK
ARO 210 INTERCHANGE
(MANUAL)



FEATURES AND BENEFITS

- Accepts ARO 210 type plugs
- Compact and economic design
- Four-ball locking mechanism allows for a tight and long-lasting connection
- Sleeve guard prevents accidental disconnection
- Sleeve must be manually retracted to connect or disconnect the plug

250 PSI

28 SCFM

APPLICATIONS

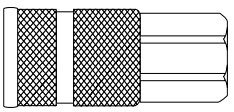
Pneumatic tools such as staplers, nailers, screwdrivers and others

MATERIALS

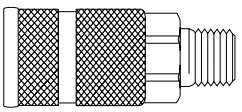
Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Zinc plated steel
Valve Spring: Nickel plated steel
Locking Mechanism: Nickel plated steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

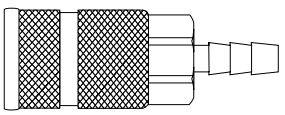
Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 28 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
23.842	1/4 (F) NPT



Product No	Male Thread
23.942	1/4 (M) NPT



Product No	Hose Barb
23.742	1/4 I.D.
23.762	3/8 I.D.

A 1/4 AUTOMAX SLIM
ARO 210 INTERCHANGE TOOLS CONNECTION KITS

TOOL CONNECTION SLIM COUPLER KIT

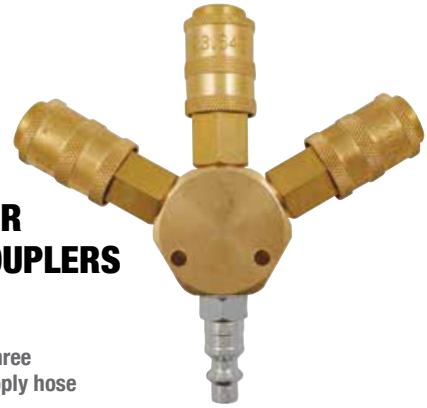
Ideal for connecting tool to hose



Product No	Description
23.713C	1 x 23.443 Coupler 1/4 (F) NPT
	1 x 23.248 Plug 1/4 (M) NPT

TRIPLE HOSE SPLITTER WITH SLIM COUPLERS AND PLUG

Allows connection of three tools to a single air supply hose



Product No	Description
23.714C	3 x 23.643 Coupler 1/4 (M) NPT
	1 x 23.248 Plug 1/4 (M) NPT
	1 x 62.810 Triple Manifold

A 1/4 MAXQUIK
ARO 210 INTERCHANGE TOOLS CONNECTION KITS



23.704C



23.712C



TOOL CONNECTION KIT

Ideal for both tool and supply connections for an air hose and tool

Product No	Description
23.704C	1 x 23.842 Manual Coupler 1/4 (F) NPT
	1 x 23.142 Plug 1/4 (F) NPT
	1 x 23.242 Plug 1/4 (M) NPT
	1 x 41.105 Union 1/4 (M) NPT
23.712C	1 x 23.842 Manual Coupler 1/4 (F) NPT
	3 x 23.242 Plug 1/4 (M) NPT
	1 x 23.142 Plug 1/4 (F) NPT

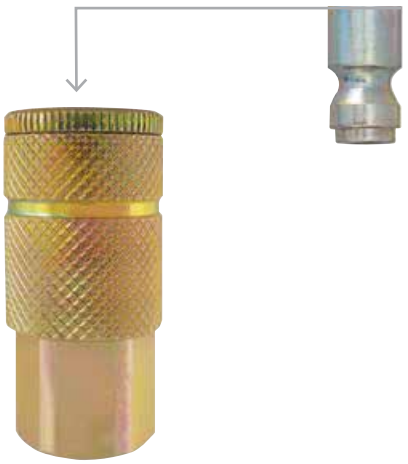
TOOL CONNECTION KIT

Ideal for connecting a tool to an air hose to an air hose

Product No	Description
23.711C	1 x 23.842 Manual Coupler 1/4 (F) NPT
	1 x 23.242 Plug 1/4 (M) NPT

T
1/4

MAXQUIK
TRUFLATE INTERCHANGE
(MANUAL)



FEATURES AND BENEFITS

- Accepts 1/4 TRUFLATE type plugs
- Sleeve must be manually retracted to connect or disconnect the plug
- Compact and economical design
- Four-ball locking mechanism allows for a tight and long-lasting connection
- Sleeve guard prevents accidental disconnection
- Deep knurled socket sleeve for positive gripping

250 PSI

24 SCFM

APPLICATIONS

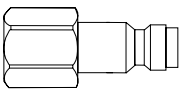
Pneumatic tools such as staplers, nailers, screwdrivers and others

MATERIALS

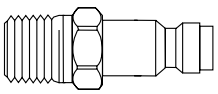
Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Zinc plated steel
Locking Mechanism: Nickel plated steel balls
Locking Balls: Nickel plated steel
Seals: Buna-N/Nitrile

SPECIFICATIONS

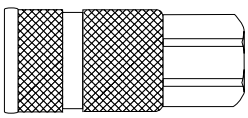
Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 24 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



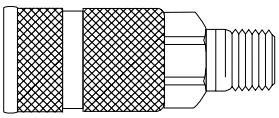
Product No	Female Thread
24.142	1/4 (F) NPT



Product No	Male Thread
24.242	1/4 (M) NPT



Product No	Female Thread
24.844	1/4 (F) NPT



Product No	Male Thread
24.944	1/4 (M) NPT

T 3/8

MAXQUIK
TRUFLATE INTERCHANGE
(MANUAL)

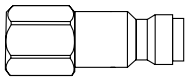
FEATURES AND BENEFITS

- Accepts 3/8 TRUFLATE type plugs
- Heavy-duty, high-quality design
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using ball locking mechanism
- Sleeve guard prevents accidental disconnection

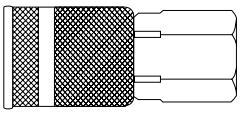


250 PSI

67 SCFM



Product No	Female Thread
25.142	1/4 (F) NPT
25.162	3/8 (F) NPT



Product No	Female Thread
25.842	1/4 (F) NPT
25.862	3/8 (F) NPT
25.882	1/2 (F) NPT

APPLICATIONS

General air service

Pneumatic tools

MATERIALS

Body: Zinc plated steel

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Zinc plated steel

Valve spring: Stainless steel

Locking Mechanism: Stainless steel balls

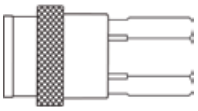
Seals: Buna-N/Nitrile

SPECIFICATIONS

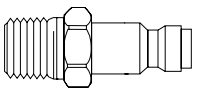
Maximum Working Pressure: 250 PSI

Temperature Range: -40 °C to 107 °C

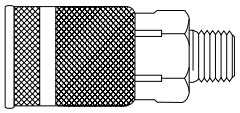
Airflow: 67 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Easy Grip Coupler
25.844	1/4 (F) NPT
25.864	3/8 (F) NPT



Product No	Male Thread
25.242	1/4 (M) NPT
25.262	3/8 (M) NPT



Product No	Male Thread
25.942	1/4 (M) NPT
25.962	3/8 (M) NPT
25.982	1/2 (M) NPT

T 1/2

MAXQUIK
TRUFLATE INTERCHANGE
(MANUAL)

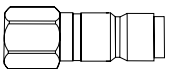


FEATURES AND BENEFITS

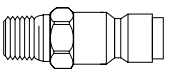
- Accepts 1/2 TRUFLATE type plugs
- Heavy-duty, high-quality design
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using ball locking mechanism
- Sleeve guard prevents accidental disconnection

250 PSI

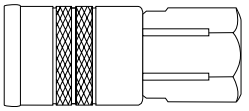
92 SCFM



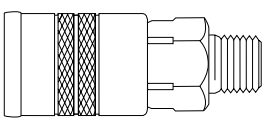
Product No	Female Thread
25.362	3/8 (F) NPT
25.382	1/2 (F) NPT
25.392	3/4 (F) NPT



Product No	Male Thread
25.462	3/8 (M) NPT
25.482	1/2 (M) NPT
25.492	3/4 (M) NPT



Product No	Female Thread
25.662	3/8 (F) NPT
25.682	1/2 (F) NPT
25.692	3/4 (F) NPT



Product No	Male Thread
25.762	3/8 (M) NPT
25.782	1/2 (M) NPT
25.792	3/4 (M) NPT

APPLICATIONS

General air service
Pneumatic tools

MATERIALS

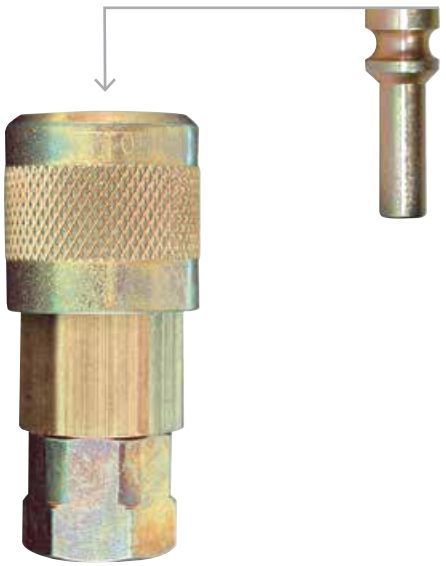
Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Hardened and zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 92 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

L
1/4

AUTOMAX
LINCOLN INTERCHANGE
(AUTOMATIC)

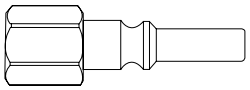


FEATURES AND BENEFITS

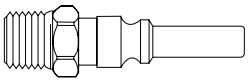
- Accepts LINCOLN type plugs
- Automatic push-to-connect operation
- Heavy-duty, high-quality design
- Deep knurled socket sleeve for positive gripping
- Secure and efficient connection using pin lock mechanism

250 PSI

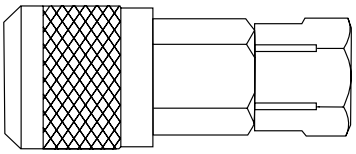
32 SCFM



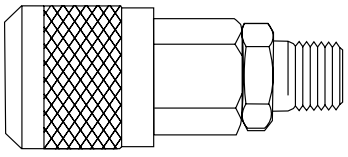
Product No	Female Thread
26.142	1/4 (F) NPT



Product No	Male Thread
26.242	1/4 (M) NPT



Product No	Female Thread
26.442	1/4 (F) NPT



Product No	Male Thread
26.642	1/4 (M) NPT

APPLICATIONS

General air service and pneumatic tools

MATERIALS

Body: Brass
Sleeve and Backnut: Zinc plated steel
Valve: Acetal
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel and zinc plated pins
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 250 PSI
Temperature Range: -40 °C to 107 °C
Airflow: 32 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

S6 S8 ISOSAFE SAFETY (AUTOMATIC)

FEATURES AND BENEFITS

- S6 accepts 6mm ISO 6150-C (STÄUBLI) type plugs
- S8 accepts 8mm ISO 6150-C (STÄUBLI) type plugs
- Prevents dangerous hose whip through a 2-step disconnection
- When the button is pressed, downstream pressure is automatically vented and disconnection is performed easily when pressing the button a second time
- Meets ISO 4414 safety standards
- Automatic push-to-connect operation
- Shock and crush resistant coupler for a long service life
- Leak-proof reliability





APPLICATIONS

Any air tool or automated equipment connection where safety is of utmost concern (hose whip, accidental disconnection)

MATERIALS

Body: Aluminium
Backnut: Plated brass
Push Button: Hardened steel
Socket Valve: Plated steel
Seals: Buna-N/Nitrile
Spring: Stainless steel

SPECIFICATIONS

Maximum Working Pressure: S6: 175 PSI / **S8:** 145 PSI
Temperature Range: -20 °C to 90 °C
Airflow: S6: 45 SCFM / **S8:** 100 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

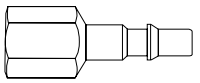
2-STEP SAFE DISCONNECTION



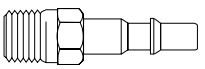
1 Press the button to secure the release of pressure

Plug remains inside the coupler

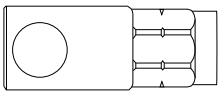
2 Press the button a second time for a safe disconnection



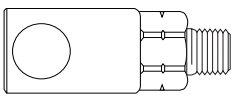
Dimension	Product No	Female Thread
S6	30.043	1/4 (F) NPT
S8	30.053	1/4 (F) NPT
	30.055	3/8 (F) NPT



Dimension	Product No	Male Thread
S6	30.073	1/4 (M) NPT
S8	30.083	1/4 (M) NPT
	30.085	3/8 (M) NPT



Dimension	Product No	Female Thread
S6	30.547	1/4 (F) NPT
S8	30.557	1/4 (F) NPT
	30.558	3/8 (F) NPT

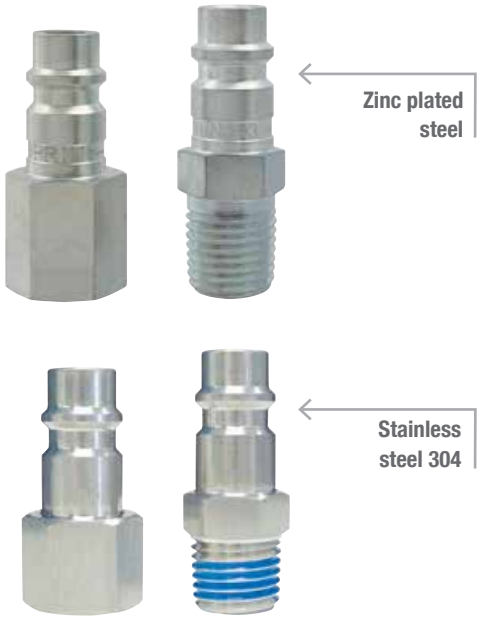


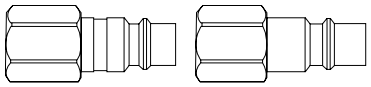
Dimension	Product No	Male Thread
S6	30.877	1/4 (M) NPT
S8	--	1/4 (M) NPT
	30.888	3/8 (M) NPT

E 7.8 ULTRAFLO INTERCHANGE PLUGS

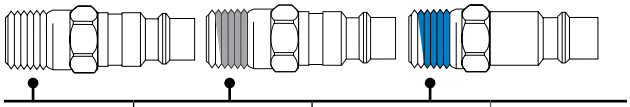
FEATURES AND BENEFITS

- Accepts European type couplers (CEJN 320)
- Hardened steel construction for strength
- Corrosion resistant zinc plating for long service life
- Manufactured to high quality standards to ensure compatibility
- High flow for better tool performance
- Threads sealant coating for air tight connections (31.648 and 31.646)
- Stainless steel 304 (31.546 and 31.646)

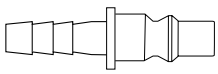




Steel **Product No**	Stainless Steel **Product No**	Female Thread
31.542	**31.546**	1/4 (F) NPT
31.562	--	3/8 (F) NPT



Steel **Product No**	Steel With sealant coating **Product No**	Stainless Steel With sealant coating **Product No**	Male Thread
31.642	**31.648**	**31.646**	1/4 (M) NPT
31.662	--	--	3/8 (M) NPT



Product No	Hose Barb
31.962	3/8 I.D.

TOPQUIK SAFETY BLOW GUNS WITH ULTRAFLO PLUG

OSHA MEETS OR EXCEEDS OSHA STANDARDS — SAFETY SOLUTION

SPECIFICATIONS

Maximum Working Pressure: 174 PSI

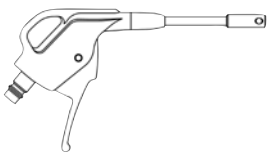
Noise Level:

60.080 : 85 dB at 87 PSI

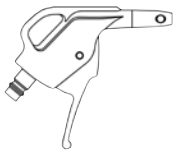
60.082 : 87 dB at 87 PSI

Airflow: 7.7 SCFM





Product No	Description
60.080	Compact blow gun with ULTRAFLO plug and metal nozzle



Product No	Description
60.082	Compact blow gun with ULTRAFLO plug and polyamide nozzle

FREE ANGLE FITTING ULTRAFLO INTERCHANGE PLUG 30°/ 45°

Free angle fittings are designed to provide 360° of rotation and up to 30° or 45° of angle for air tool and air hose supply lines.

See Series 62



E 7.8

TOPQUIK ULTRAFLO SAFETY (AUTOMATIC)

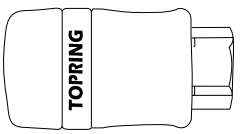


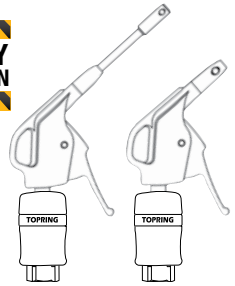


FEATURES AND BENEFITS

- Accepts European type plugs (CEJN 320)
- High flow ULTRAFLO design provides superior tool performance
- Prevents dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching of delicate surfaces
- Super light weight contributes to ergonomics and safety
- Automatic push-to-connect operation
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meets ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof reliability

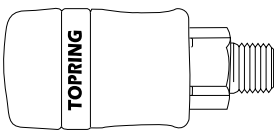
225 PSI | 60 SCFM | SAFETY SOLUTION

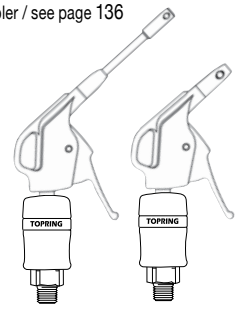




TOPQUIK Coupler		Coupler and Blow Gun* Kit	
Product No	Female Thread	with metal nozzle	with polyamide nozzle
31.749	1/4 (F) NPT	**60.080.01**	**60.082.01**
31.769	3/8 (F) NPT	**60.080.02**	**60.082.02**
31.789	1/2 (F) NPT	--	--

*TOPQUIK blow guns are available without coupler / see page 136





TOPQUIK Coupler		Coupler and Blow Gun* Kit	
Product No	Female Thread	with metal nozzle	with polyamide nozzle
31.749	1/4 (M) NPT	**60.080.04**	**60.082.04**
31.769	3/8 (M) NPT	**60.080.05**	**60.082.05**
31.789	1/2 (M) NPT	--	--

*TOPQUIK blow guns are available without coupler / see page 136

SAFETY COMES FROM A 2-STEP DISCONNECTION



Slide the sleeve back to release downstream pressure

The plug is released, but held within the coupler



Slide the sleeve forward

The plug is released completely

APPLICATIONS

Any air tool connection where hose whip and accidental disconnection must be avoided

MATERIALS

COUPLER

Body: High-impact composite

Backnut: Nickel plated brass

Seals: Buna-N/Nitrile

BLOW GUN

Body: Polyamide

SPECIFICATIONS

COUPLER

Maximum Working Pressure: 225 PSI

Temperature Range: -15 °C to 70 °C

Airflow: 60 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

BLOW GUN

Maximum Working Pressure: 174 PSI

Airflow: 7.7 SCFM

Noise Level: 60.080 : 85 dB at 87 PSI
60.082 : 87 dB at 87 PSI

E 7.8

TOPQUIK SC ULTRAFLO SAFETY (MANUAL)



Compatible plugs
PAGE 136

FEATURES AND BENEFITS

- **Accepts European type plugs (CEJN 320)**
- **Prevents dangerous hose whip through a 2-step disconnection making it safe**
- **Meets ISO 4414 safety standards**
- **Full flow:** tools work at maximal performance without having to increase the supply pressure
- **Zero load pressure**
  - connects with no effort because no pressure resistance
  - safe disconnection because downstream pressure is automatically vented
- **Low disconnection noise reduces workplace noise pollution**
- **Reliability and durability**



APPLICATIONS

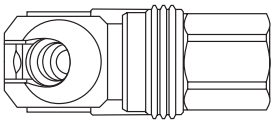
Assembly line and pneumatic hand tools
Any air tool connection where hose whip and disconnection must be avoided

MATERIALS

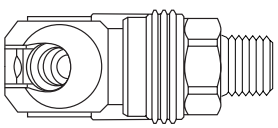
Black part: Steel, nickel plated / Aluminium
Sleeve: Zinc diecast, nickel plated, orange rubber coating
Housing: Steel, tenifer treated
Cylinder: Surface hardened steel, nickel plated
Valve Spring: Stainless steel
Seal: Nitrile (NBR)

SPECIFICATIONS

Maximum Working Pressure: 360 PSI
Operating Pressure: Connection/disconnection to maximum 200 PSI
Temperature Range: -20 °C to 100 °C
Airflow: 70 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
31.447	1/4 NPT
31.467	3/8 NPT
31.487	1/2 NPT

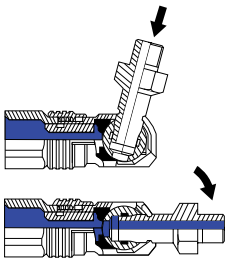


Product No	Male Thread
31.347	1/4 NPT
31.367	3/8 NPT
31.387	1/2 NPT

SAFETY COMES FROM A 2-STEP DISCONNECTION

CONNECTION

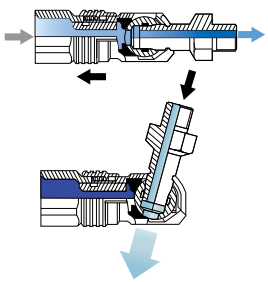
Push compatible plug into coupling and swing approximately 90 ° until the orange ring engages in the groove.



Pressure is in motion.

DISCONNECTION

Pull back orange ring and swing plug to stop. Remove plug from coupling.



In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.





Unbreakable polyamide

Product No	Cover for
31.007	TOPQUIK SC ULTRAFLO

The polyamide cover is slipped over the housing of the TOPQUIK SC to protect the work piece, e.g. for work on car body parts, furniture, etc.





Vinyl

Product No	Protective Sleeve for
31.017	TOPQUIK SC ULTRAFLO

Slides over airline coupling installation. Provides complete protective coverage of coupler and plug.

E 7.8 QUIKSILVER ULTRAFLO (AUTOMATIC)



FEATURES AND BENEFITS

- Accepts European type plugs (CEJN 320)
- High-flow ULTRAFLO design provides superior tool performance
- Light and compact with performance similar to 3/8 couplers
- High-flow valve eliminates pressure drop and choking, offering more air than most comparable couplers
- Provides energy savings, increased productivity and superior tool efficiency
- Sleeve guard prevents accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Proven and positive connection using ball locking mechanism

500 PSI

80 SCFM

APPLICATIONS

All high-flow tool applications, general pneumatic applications, automotive service shops, tire shops and paint shops (HVLP)

MATERIALS

Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: Steel drag guard 500 PSI
Temperature Range: -20 °C to 60 °C
Airflow: 80 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

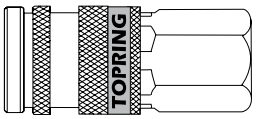
TECH TIP

Couplers offer as much flow as many 3/8 plug-coupler combinations, but in a more compact, economical size. Use of ULTRAFLO plugs and their corresponding couplers will improve tool performance over standard 1/4 size plug-coupler combinations.

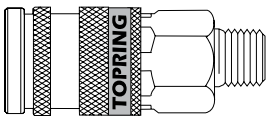
S20 • 1/4 INDUSTRIAL
S23 • ARO 210
S24 • 1/4 TRUFLATE
S26 • LINCOLN
5.5 mm
24-37 SCFM

S21 • 3/8 INDUSTRIAL
S25 • 3/8 TRUFLATE
7 mm
60-70 SCFM

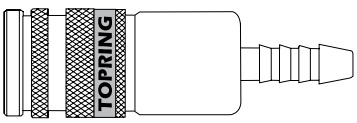
S31 • ULTRAFLO
7.8 mm
50-80 SCFM



Product No	Female Thread
31.744	1/4 (F) NPT
31.764	3/8 (F) NPT
31.784	1/2 (F) NPT



Product No	Male Thread
31.844	1/4 (M) NPT
31.864	3/8 (M) NPT
31.884	1/2 (M) NPT



Product No	Hose Barb
31.944	1/4 I.D.
31.964	3/8 I.D.

E 7.8

AUTOMAX ULTRAFLO (AUTOMATIC)

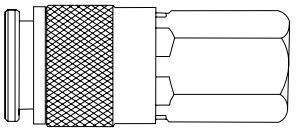


FEATURES AND BENEFITS

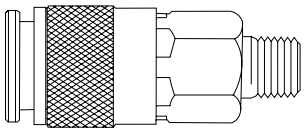
- Accepts European type plugs (CEJN 320)
- High-flow ULTRAFLO design provides superior tool performance
- HVLP system offers more air than most comparable couplers
- Provides energy savings, increased productivity and superior tool efficiency
- Sleeve guard protects against accidental disconnection when the coupler is dragged across the floor or over obstructions
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Proven and positive connection using ball locking mechanism

200 PSI

50 SCFM



Product No	Female Thread
31.742	1/4 (F) NPT



Product No	Male Thread
31.842	1/4 (M) NPT

APPLICATIONS

All high-flow tool applications, general pneumatic applications, automotive service shops, tire shops, fastening and roofing industries and paint shops (HVLP)

MATERIALS

Body: Nickel plated steel
Sleeve: Nickel plated steel
Valve: Nickel plated steel
Valve Spring: Nickel plated steel
Locking Mechanism: Stainless steel balls
Seals: Buna-N/Nitrile

SPECIFICATIONS

Maximum Working Pressure: 200 PSI
Temperature Range: -40 °C to 100 °C
Airflow: 50 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

TECH TIP

Couplers offer as much flow as many 3/8 plug-coupler combinations, but in a more compact, economical size. Use of ULTRAFLO plugs and their corresponding couplers will improve tool performance over standard 1/4 size plug-coupler combinations.

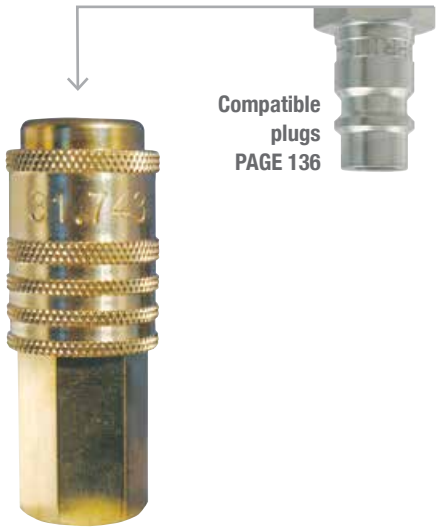
S20 • 1/4 INDUSTRIAL
S23 • ARO 210
S24 • 1/4 TRUFLATE
S26 • LINCOLN
— 5.5 mm, 24-37 SCFM

S21 • 3/8 INDUSTRIAL
S25 • 3/8 TRUFLATE
— 7 mm, 60-70 SCFM

S31 • ULTRAFLO
— 7.8 mm, 50-80 SCFM

E 7.8

AUTOMAX SLIM
ULTRAFLO
(AUTOMATIC)



FEATURES AND BENEFITS

- Accepts European type plugs (CEJN 320)
- HVLP systems offers more air than most comparable couplers
- Provides energy savings, increased productivity and superior toll efficiency
- Automatic push-to-connect operation
- High airflow
- 33% lighter than a regular coupler
- Compact design prevents accidental disconnection
- One hand disconnection
- Corrosion-resistant brass
- Deep knurled socket sleeve for positive gripping
- Proven and positive connection using six-ball locking mechanism

150 PSI

60 SCFM

ONE HAND DISCONNECTION

- Hold coupler with 3 fingers
- Remove sleeve with thumb and index





Comparative size between regular **AUTOMAX** and **AUTOMAX SLIM**

APPLICATIONS

Pneumatic tools

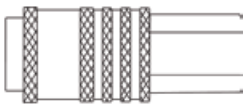
Ideal for the pharmaceutical industry, furniture and textiles

MATERIALS

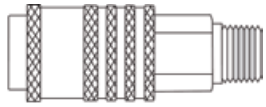
Body: Brass
Sleeve: Brass
Valve: Brass
Valve Spring: Steel
Locking Mechanism: Steel balls
Sealant: Pre-applied PTFE for air tight connection (31.843)

SPECIFICATIONS

Maximum Working Pressure: 150 PSI
Temperature Range: -40 °C to 100 °C
Airflow: 60 SCFM to 100 PSIG inlet with 10 PSIG pressure drop



Product No	Female Thread
31.743	1/4 (F) NPT



Product No	Male Thread
31.843	1/4 (M) NPT

WARNING

It is not recommended to use SLIM couplers with pneumatic impact tools unless a hose whip is installed between the tool and the coupler.

E 7.8 ULTRAFLO COUPLER KITS

QUIKSILVER TOOL CONNECTION KIT

Ideal for both tool and supply connection to an air hose and tool



Product No	Description
31.704C	1 x 31.744 Automatic Coupler 1/4 (F) NPT
	1 x 31.542 ULTRAFLO Plug 1/4 (F) NPT
	1 x 31.642 ULTRAFLO Plug 1/4 (M) NPT

QUIKSILVER TOOL CONNECTION KIT



Product No	Description
31.711C	1 x 31.744 Manual Coupler 1/4 (F) NPT
	1 x 31.642 ULTRAFLO Plug 1/4 (M) NPT

AUTOMAX TOOL CONNECTION KIT



Product No	Description
31.731C	1 x 31.742 Automatic Coupler 1/4 (F) NPT
	1 x 31.642 ULTRAFLO Plug 1/4 (M) NPT

AUTOMAX SLIM TOOL CONNECTION KIT

Ideal for connecting tool to hose



Product No	Description
31.713C	1 x 31.743 Automatique Coupler 1/4 (F) NPT
	1 x 31.648 ULTRAFLO plug 1/4 (M) NPT with PTFE sealant

ULTRAFLO DEMO KIT



Glass beads run through the connection to demonstrate the superior Airflow offered by **ULTRAFLO** quick couplers compared to **1/4 INDUSTRIAL** couplers.

Product No
96.150

TECH TIP

ULTRAFLO quick couplers and plugs improve the performance of pneumatic tools because they deliver a higher volume of air (up to 80 SCFM). They provide the airflow of a 3/8 INDUSTRIAL coupler, yet they are lighter and more compact, like a 1/4 INDUSTRIAL coupler.

S20 • 1/4 INDUSTRIAL
S23 • ARO 210
S24 • 1/4 TRUFLATE
S26 • LINCOLN
— 5.5 mm 24-37 SCFM

S21 • 3/8 INDUSTRIAL
S25 • 3/8 TRUFLATE
— 7 mm 60-70 SCFM

S31 • ULTRAFLO

ULTRAFLO design provides superior tool performance!
— 7.8 mm 50-80 SCFM

EASYflex PREMIUM

300 PSI

TEMP °C -54 +65

RoHS COMPLIANT
Restrictions of Hazardous Substances

TECHNOPOLYMER AIR HOSE

- **Engineered to be tough and ultra-flexible at extremely low temperatures**
- **Available in different hose length and sizes 1/4, 3/8 and 1/2**
- **Good resistance to oils and abrasion**
- **35% lighter than rubber**
- **Resistant to kinking under pressure**
- **Pin pricked cover prevents bursting**



For more information,
see Series 72 page 466

