














# QUICK COUPLERS SELECTION GUIDE • S20 TO S31

# TOPRING

Compressed air solutions

MODEL	SAFE DISCONNECTION	CONNECTION	MATERIAL	INDUSTRIAL				ULTRAFLO	MEGAFLO	ARO 210	TRUFLATE			LINCOLN	NITTO	STÄUBLI		
				U 1/4	I/M 1/4	I/M 3/8	I/M 1/2	E 7.8	E 10.4	A 1/4	T 1/4	T 3/8	T 1/2	L 1/4	N 7.8	S 1/4	S 3/8	S 3/4
				S 20	S 20	S 21	S 22	S 31	S 31	S 23	S 24	S 25	S 25	S 26	S 27	S 30	S 30	S 30
		Automatic	Composite		34 SCFM 174 PSI	81 SCFM 174 PSI	148 SCFM 174 PSI	73 SCFM 174 PSI	81 SCFM 174 PSI	32 SCFM 174 PSI	34 SCFM 174 PSI	81 SCFM 174 PSI	120 SCFM 174 PSI					
			Stainless Steel S22			148 SCFM 232 PSI												
		Manuelle	Steel		38 SCFM 360 PSI	75 SCFM 360 PSI	175 SCFM 360 PSI	70 SCFM 360 PSI		38 SCFM 360 PSI								175 SCFM 360 PSI
		Automatic	Composite		36 SCFM 225 PSI	73 SCFM 232 PSI	167 SCFM 174 PSI	59 SCFM 174 PSI							78 SCFM 175 PSI			
		Automatic	Steel		44 SCFM 362 PSI	72 SCFM 435 PSI	145 SCFM 500 PSI	80 SCFM 362 PSI		44 SCFM 362 PSI								
		Automatic	Steel		44 SCFM 362 PSI			80 SCFM 362 PSI		44 SCFM 362 PSI								
		Automatic	Brass		37 SCFM 250 PSI	62 SCFM 300 PSI	99 SCFM 300 PSI	50 SCFM 200 PSI		34 SCFM 250 PSI				32 SCFM 250 PSI				
		Automatic	Brass		45 SCFM 150 PSI			60 SCFM 150 PSI										
		Manual	Steel		24 SCFM 250 PSI	56 SCFM 250 PSI	75 SCFM 250 PSI			28 SCFM 250 PSI	24 SCFM 250 PSI	67 SCFM 250 PSI	92 SCFM 250 PSI					
		Manual	Brass		37 SCFM 250 PSI													
			Stainless															
		Automatic	Steel	34 SCFM 200 PSI														
		Automatic	Brass	35 SCFM 150 PSI														
			Nickel Plated Brass															
		Automatic	Steel	37 SCFM 200 PSI														
		Automatic	Aluminum													45 SCFM 175 PSI	100 SCFM 145 PSI	

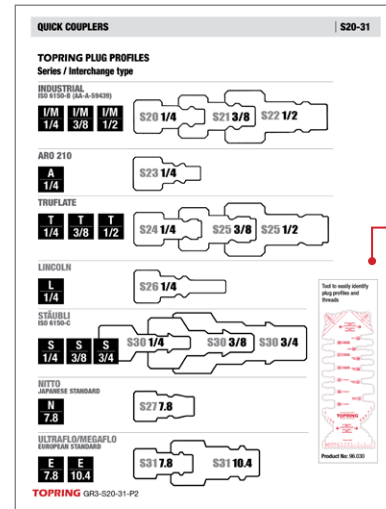


**PLUG PROFILE USED**

The plug profile determines the type of coupler to be used. The opening of the plug determines the quantity of air (SCFM). The ULTRAFLO S31 plug has an opening of 7.8 mm and offers flow rates from 50 to 80 SCFM.

Most couplers are associated with a single plug profile except for the «Universal» type coupler that accepts 3 to 5 plug profiles (see below examples of UNIVERSAL couplers).

THE SOLUTION  
to coupler  
confusion



TOPRING offers a tool to easily identify plug profiles and threads

Product No 96.030

**FREQUENCY OF CONNECTION/DISCONNECTION**

**AUTOMATIC OR MANUAL COUPLERS ?**

If the coupler must be disconnected several times a day, the automatic coupler is a better option. The connection is made by inserting the plug into the coupler without having to activate the sliding sleeve manually (but must be activated for disconnection). To use the manual coupling, the sleeve must be manually retracted to connect or disconnect the plug.

**AUTOMATIC COUPLERS**



**MANUAL COUPLERS**



**CONDITIONS OF USE**

Steel couplers offer greater resistance to harsh environments. They are also more resistant to applications where there are frequent impacts and high operating pressures.

Environmental conditions including moisture, water, chemicals and air pollutants can also cause premature deterioration of the couplers. For this type of environment, a stainless steel coupler is preferred.



## FLUIDS AND TEMPERATURES



The material of the coupler body and seal must be compatible with the fluids present and the operating temperature. The limits of the coupler must never be exceeded in order to increase their service life.

## DELICATE SURFACES TO PROTECT

In specific industries and applications, the risk of scratches on finished products is not acceptable (car body, furniture manufacturing, etc.).

Composite couplers protect delicate surfaces against scratches effectively.



TOPQUIK S1

TOPQUIK

TOPQUIK SC

## ERGONOMICS FOR THE USER

**TOPQUIK** couplers are very light compared to metal couplers offering better ergonomics for the user.



TOPQUIK S1

TOPQUIK

62.360

62.332

Free-angle fittings also offer improved tool handling and help reduce fatigue at the wrist.

See Series 62 for more details.

## PRECAUTION TO EXTEND COUPLER'S LIFE

Using a short anti-hose whip between the tool and the coupler will isolate the vibration on the coupler and extend its life while reducing the hazard of whipping.



### CAUTION

Anti-hose whip air hoses are highly recommended for all impact tools, or when strong vibrations are present. See Series 62 for more details.



## 1/4 INDUSTRIAL QUICK COUPLERS DEMO KIT

Product No 95.201



Distributed by

