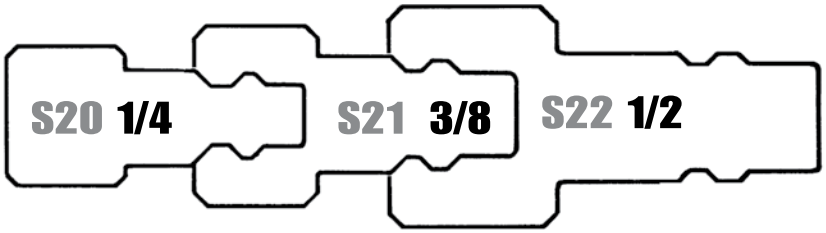
TOPRING PLUG PROFILES

Profile type / Series

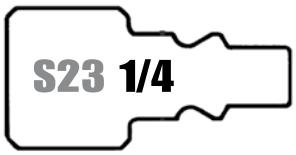
INDUSTRIAL
ISO 6150-B (AA-A-59439)

I/M 1/4 | I/M 3/8 | I/M 1/2



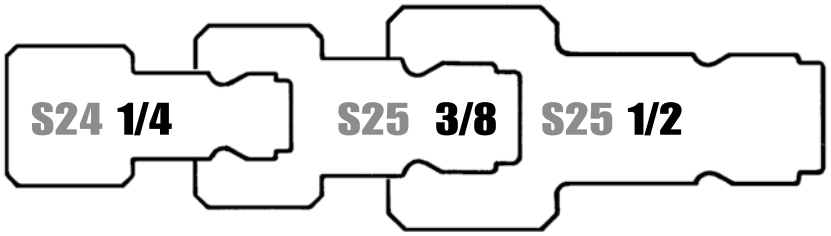
ARO 210

A 1/4



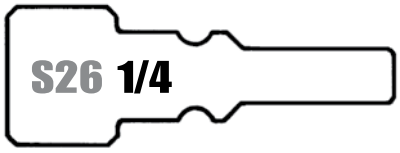
TRUFLATE

T 1/4 | T 3/8 | T 1/2



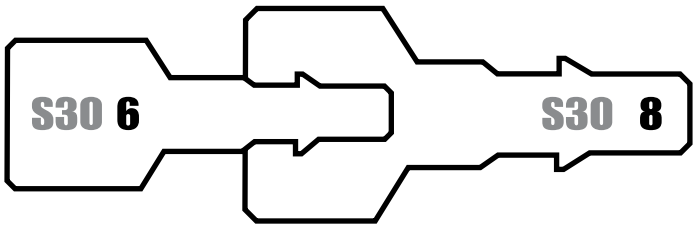
LINCOLN

L 1/4



STÄUBLI
ISO 6150-C

S 6 | S 8



NITTO
JAPANESE STANDARD

N 7.8

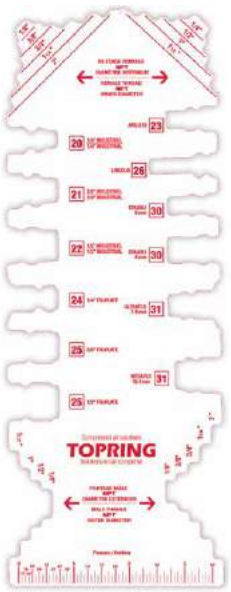


ULTRAFLO
EUROPEAN STANDARD

E 7.8



Tool to easily identify plug profiles and threads



Product No: 96.030

TOPRING

QUICK COUPLERS

HOW TO CHOOSE THE IDEAL QUICK COUPLER?

Points to consider in order to choose the quick coupler for the application

ACCIDENT PREVENTION

AVOIDING DANGEROUS HOSE WHIPS

ZERO PRESSURE DISCONNECT COUPLERS

These couplers prevent dangerous hose whips with their two-stage disconnection system. The first stage allows the downstream pressure to be evacuated, while the second releases the plug completely and safely.

The possibility of a hose whip is therefore eliminated.



TOPQUIK S1 TOPQUIK ISOSAFE

ZERO PRESSURE CONNECT/DISCONNECT COUPLERS

These couplers allow connection and disconnection at zero pressure making it very easy to connect/disconnect. The plug is connected and secured before the air supply is released, providing a safe and easy connection.

Upon disconnection, the downstream pressure is released before the plug can be disconnected, thus eliminating the possibility of hose whips.



UNISAFE TOPQUIK SC

PREVENTING ACCIDENTAL DISCONNECTIONS

COUPLERS WITH DRAG GUARDS

These couplers have an integrated drag guard preventing accidental disconnections when they are dragged on the floor.

The drag guard protects the coupler sleeve from releasing the plug under pressure.



QUIKSILVER MAXQUIK

PRESSURE AND FLOW REQUIREMENTS FOR THE APPLICATION (PSI & SCFM)

Air tools operate at variable air flow rates and pressures (specified by the manufacturers). **TOPRING** offers a quick reference table of the SCFM required for the frequently used tools on page 263.

Quick coupler can be selected once the required SCFM is determined. The table on page 308 summarizes the technical specifications of all **TOPRING** couplers.

Note that the inside diameter of the air hose used can be matched to the size of the coupler (e.g. ¼ I.D. hose, ¼ coupler). However, pressure and air volume restrictions such as a 1/2 I.D. hose with a 1/4 coupler must be avoided.

Finally, the maximum operating pressure of the selected connection must be equal to or greater than the maximum pressure of the compressed air system.

WARNING

Over-pressurization could result in a sudden failure of the coupler causing severe bodily injury or death.

Be sure to select the proper coupler for your application and use only within the specified service pressure range.

TECH TIP

Refer to the pneumatic tools flow reference guide on catalogue page 267



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.



ERGONOMICS FOR THE USER

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

Free-angle fittings also offer improved tool handling and help reduce fatigue at the wrist (see Series 62).



ANTI-HOSE WHIP

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.



WARNING

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

TOPRING QUICK COUPLERS SELECTION GUIDE SERIES 20-31

					INDUSTRIAL			ULTRAFLO	ARO 210	TRUFLATE			LINCOLN	NITTO	STÄUBLI	
MODEL	SAFE DISCONNECTION	CONNECTION	UNIVERSAL CONNECTION Accept 3 or 5 types of plugs	MATERIAL	I/M 1/4	I/M 3/8	I/M 1/2	E 7.8	A 1/4	T 1/4	T 3/8	T 1/2	L 1/4	N 7.8	S 6	S 8
					S 20	S 21	S 22	S 31	S 23	S 24	S 25	S 25	S 26	S 27	S 30	S 30
TOPQUIK S1	✓	Automatic		Composite	34 SCFM 174 PSI	81 SCFM 174 PSI		73 SCFM 174 PSI								
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						78 SCFM 175 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		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				
MAXQUIK PLUS		Manual		Brass Stainless Steel	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		Brass	44 SCFM 150 PSI			60 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