



Introducing the new 400-series Quick Coupler

EURO, US-MIL & ARO-210 profile

5 good reasons for the industry to choose the new 400-series Quick Coupler:

High airflow

Significantly better airflow than ordinary couplings – we have measured up to 200% better for EURO. No reduction and disturbances in the flow area when engaged. Optimized to its designated profile to ensure the highest possible airflow and most secure connection with no wiggle, play or leakages. What's the point of having a high-performance tool if the connection can't deliver the required air flow!

Low pressure drop

The low pressure drop through the JWL coupler means better efficiency, cost savings, better tool performance and reduced production time for you.

Durable

Produced from high quality and long-lasting materials. Constructed to withstand the rigors of heavy-duty use and resist wear and tear.

Ease of use

Straightforward and intuitive to use – one-handed operation in a single movement. Just insert the tool to connect and pull the sleeve-ring to disconnect.

Airtight

Pressed together and U-cup sealing instead of screwed and O-rings. Airtightness affects both the environmental and economic aspects*1.



*1 Calculation of the economic consequence of an \varnothing 1mm air leak: $0.7\text{kWh} \times 0,34 \text{ Euro} \times 24\text{h} \times 365 \text{ days} = 2.085 \text{ Euro per year}$

...and several more for the “OEM”-buyer:

Compatible

Versatile range both in terms of profiles and connectivity options available. This eliminates the need for reduction nipples, sockets, and adaptors.

Customizable

The sleeve-ring can be custom printed with logo and color and laser engraved with part number etc. at the top.

Packaging options

For packaging we have several options ranging from bulk packaging with simple box labelling to single-packed couplers in customized bags in boxes with full colour labelling.

Made in Denmark

Designed and made in Denmark. We regard it as a seal of high quality

ISO 9001:2015

JWL is ISO 9001:2015 certified and all couplings are manufactured to the same high standard.

Harmless materials

Designed to comply with the environmental requirements of both European REACH and American Proposition 65. For example, lead alloy steel is replaced as far as possible with sulfur alloy.



400-series Specifications:



JWL 400-series Quick Couplers

	EURO	US-MIL ISO 6150 B (1/4")	ARO 210
Max. working pressure, bar (psi)	25 (363)	25 (363)	25 (363)
Max. flow, l/min (CFM)	2240 (79.1)	1100 (38.9)	1190 (42.0)
Burst pressure, bar (psi)	75 (1088)	75 (1088)	75 (1088)
Connection force, N (psi)	-	-	-
Temperature range, °C (°F)	-20/+60 (-4/+140)	-20/+60 (-4/+140)	-20/+60 (-4/+140)
Flow diameter, mm (inch)	7,8 (0.31")	5,5 (0.22")	5,5 (0.22")

JWL Air Nipples

EURO		US-MIL	ARO-210
Steel	SS 316	Steel	Steel
7,8 (0.31")		5,5 (0.22")	5,5 (0.22")

Internal Thread

Internal Thread	EURO	US-MIL	ARO 210	EURO Steel	EURO SS 316	US-MIL Steel	ARO-210 Steel
1/4" BSPP	430-002000	431-002000	432-002000	520302	540302	521302	522302
3/8" British Standard Pipe Parallel, (British Thread Standard)	430-004000	431-004000	432-004000	520304	540304	521304	522304
1/2" British Thread Standard	430-005000	431-005000	432-005000	520305	540305	521305	522305
1/4" NPT	430-032000	431-032000	432-032000	520332	540332*	521332	522332
3/8" National Pipe Taper, (American Thread Standard)	430-034000	431-034000	432-034000	520334	540334*	521334	522334
1/2" American Thread Standard	430-035000	431-035000	432-035000	520335	540335*	521335	522335

External Thread

External Thread	EURO	US-MIL	ARO 210	EURO Steel	EURO SS 316	US-MIL Steel	ARO-210 Steel
1/4" BSPP	430-012000	431-012000	432-012000	520312	540312	521312	522312
3/8" British Standard Pipe Parallel, (British Thread Standard)	430-014000	431-014000	432-014000	520314	540314	521314	522314
1/2" British Thread Standard	430-015000	431-015000	432-015000	520315	540315	521315	522315
1/4" NPT	430-042000	431-042000	432-042000	520342	540342*	521342	522342
3/8" National Pipe Taper, (American Thread Standard)	430-044000	431-044000	432-044000	520344	540344*	521344	522344
1/2" American Thread Standard	430-045000	431-045000	432-045000	520345	540345*	521345	522345

Hose Connection

Hose Connection	EURO	US-MIL	ARO 210	EURO Steel	EURO SS 316	US-MIL Steel	ARO-210 Steel
1/4" (6mm)	430-022000	431-022000	432-022000	520322	540322	521322	522322
5/16" (8mm)	430-023000	431-023000	432-023000	520323	540323	521323	522323
3/8" (10mm)	430-024000	431-024000	432-024000	520324	540324	521324	522324
1/2" (13mm)	430-025000	431-025000	432-025000	520325	540325	521325	522325

PUR Connection

PUR Connection	EURO	US-MIL	ARO 210	EURO Steel	EURO SS 316	US-MIL Steel	ARO-210 Steel
ø5 / ø8 mm	430-052000	431-052000	432-052000	520352	-	521352	522352
ø6,5 / ø10mm	430-054000	431-054000	432-054000	520354	-	521354	522354
ø8 / ø12mm	430-055000	431-055000	432-055000	520355	-	521355	522355
ø9,5 / ø13,5mm	430-056000	431-056000	432-056000	520356	-	521356	522356

Materials

Materials	EURO	US-MIL	ARO 210	EURO Steel	EURO SS 316	US-MIL Steel	ARO-210 Steel
Housing	Steel (sulfour), electrically galvanized			Hardened steel	Stainless steel 316	Hardened steel	Hardened steel
Ball cage	Steel (sulfour), electrically galvanized						
Valve	POM			*NPT Thread on request			
Retaining ring	Hardened steel, electrically galvanized						
Balls	Hardened steel						
Seals	Nitrile rubber						
Springs	Stainless spring wire						

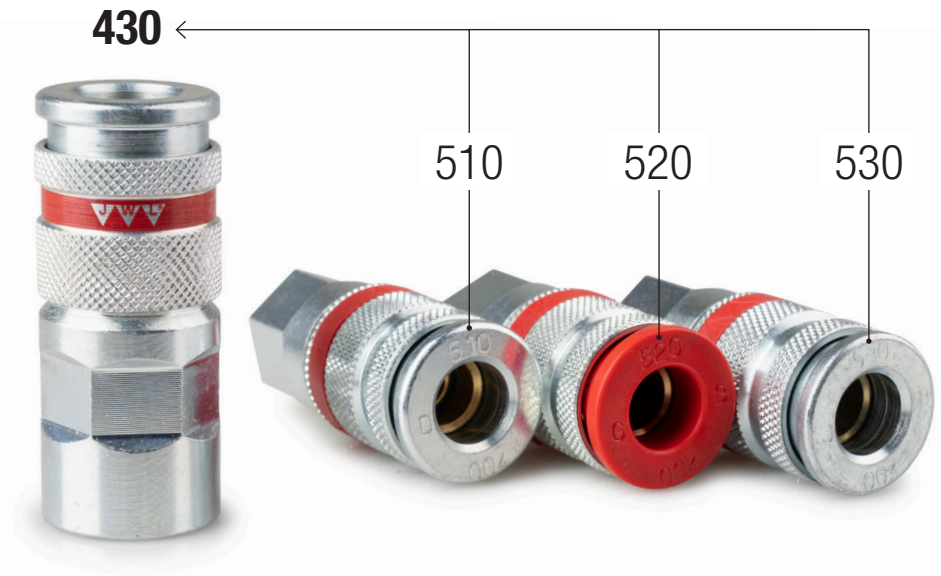
Easy conversion

We've taken the best features from the old 510, 520 & 530 series quick couplers and built them into our new 400 series coupler. Below you will easily find their replacements:

The 430-series "Euro" replaces the old 510, 520, & 530-series.

The 431-series "US-MIL" replaces the old 511, 521 & 531-series

The 432-series "ARO-210" replaces the old 512, 522 & 532-series.



Packaging options:



Bag with 1 Quick Coupler



Box with 10 Coupler bags with small or large label



Box with 25 bulk Quick Couplers with small label



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Why choose JWL

- ▶ High-quality long-lasting products at a great price point.
- ▶ ISO 9001:2015 certified.
- ▶ Order confirmation within maximum 48 hours and 4-6 weeks delivery time.
- ▶ More than 95% is export - we know our customers' requirements!
- ▶ We work with partnership – "we don't just want to sell the product; we want to help the customer to sell".
- ▶ Made in Denmark – we regard it as a seal of high quality.
- ▶ We know what we are doing - We have been designing, developing, manufacturing, and selling pneumatic products for more than 60 years.