

A close-up photograph of a red air hose with a silver metal quick coupler. The coupler has a knurled grip section with a red JWAL logo. The hose is angled diagonally across the frame against a dark red background.

# Introducing the new 400-series Quick Coupler

EURO, US-MIL & TEMA 1300 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")	TEMA 1300
<b>Max. working pressure, bar (psi)</b>	25 (363)	25 (363)	25 (363)
<b>Max. flow, l/min (CFM)</b>	2240 (79.1)	1100 (38.9)	1630 (57.6)
<b>Burst pressure, bar (psi)</b>	75 (1088)	75 (1088)	75 (1088)
<b>Connection force, N (psi)</b>	-	-	-
<b>Temperature range, °C (°F)</b>	-20/+60 (-4/+140)	-20/+60 (-4/+140)	-20/+60 (-4/+140)
<b>Flow diameter, mm (inch)</b>	7,8 (0.31")	5,5 (0.22")	6,4 (0.25")

Internal Thread	EURO	US-MIL	TEMA 1300
<b>1/4" BSPP</b>	430-002000	431-002000	434-002000
<b>3/8" British Standard Pipe Parallel, (British Thread Standard)</b>	430-004000	431-004000	434-004000
<b>1/2" British Thread Standard</b>	430-005000	431-005000	434-005000
<b>1/4" NPT</b>	430-032000	431-032000	434-032000
<b>3/8" National Pipe Taper, (American Thread Standard)</b>	430-034000	431-034000	434-034000
<b>1/2" American Thread Standard</b>	430-035000	431-035000	434-035000

External Thread	EURO	US-MIL	TEMA 1300
<b>1/4" BSPP</b>	430-012000	431-012000	434-012000
<b>3/8" British Standard Pipe Parallel, (British Thread Standard)</b>	430-014000	431-014000	434-014000
<b>1/2" British Thread Standard</b>	430-015000	431-015000	434-015000
<b>1/4" NPT</b>	430-042000	431-042000	434-042000
<b>3/8" National Pipe Taper, (American Thread Standard)</b>	430-044000	431-044000	434-044000
<b>1/2" American Thread Standard</b>	430-045000	431-045000	434-045000

Hose Connection	EURO	US-MIL	TEMA 1300
<b>1/4" (6mm)</b>	430-022000	431-022000	434-022000
<b>5/16" (8mm)</b>	430-023000	431-023000	434-023000
<b>3/8" (10mm)</b>	430-024000	431-024000	434-024000
<b>1/2" (13mm)</b>	430-025000	431-025000	434-025000

PUR Connection	EURO	US-MIL	TEMA 1300
<b>ø5 / ø8 mm</b>	430-052000	431-052000	434-052000
<b>ø6,5 / ø10mm</b>	430-054000	431-054000	434-054000
<b>ø8 / ø12mm</b>	430-055000	431-055000	434-055000
<b>ø9,5 / ø13,5mm</b>	430-056000	431-056000	434-056000

Materials	EURO	US-MIL	TEMA 1300
<b>Housing</b>	Steel (sulfour), electrically galvanized	Steel (sulfour), electrically galvanized	Steel (sulfour), electrically galvanized
<b>Ball cage</b>	Steel (sulfour), electrically galvanized	Steel (sulfour), electrically galvanized	Steel (sulfour), electrically galvanized
<b>Valve</b>	POM	POM	POM
<b>Retaining ring</b>	Hardened steel, electrically galvanized	Hardened steel, electrically galvanized	Hardened steel, electrically galvanized
<b>Balls</b>	Hardened steel	Hardened steel	Hardened steel
<b>Seals</b>	Nitrile rubber	Nitrile rubber	Nitrile rubber
<b>Springs</b>	Stainless spring wire	Stainless spring wire	Stainless spring wire

## JWL Air Nipples

EURO		US-MIL	TEMA 1300
Steel	SS 316	Steel	Steel
<b>7,8 (0.31")</b>	<b>5,5 (0.22")</b>	<b>6,4 (0.25")</b>	<b>6,4 (0.25")</b>

EURO	US-MIL	TEMA 1300
<b>520302</b>	<b>521302</b>	<b>524302</b>
<b>520304</b>	<b>521304</b>	<b>524304</b>
<b>520305</b>	<b>521305</b>	<b>524305</b>
<b>520332</b>	<b>521332</b>	<b>524332</b>
<b>520334</b>	<b>521334</b>	<b>524334</b>
<b>520335</b>	<b>521335</b>	<b>524335</b>

EURO	US-MIL	TEMA 1300
<b>520312</b>	<b>521312</b>	<b>524312</b>
<b>520314</b>	<b>521314</b>	<b>524314</b>
<b>520315</b>	<b>521315</b>	<b>524315</b>
<b>520342</b>	<b>521342</b>	<b>524342</b>
<b>520344</b>	<b>521344</b>	<b>524344</b>
<b>520345</b>	<b>521345</b>	<b>524345</b>

EURO	US-MIL	TEMA 1300
<b>520322</b>	<b>521322</b>	<b>524322</b>
<b>520323</b>	<b>521323</b>	<b>524323</b>
<b>520324</b>	<b>521324</b>	<b>524324</b>
<b>520325</b>	<b>521325</b>	<b>524325</b>

EURO	US-MIL	TEMA 1300
<b>520352</b>	<b>521352</b>	<b>524352</b>
<b>520354</b>	<b>521354</b>	<b>524354</b>
<b>520355</b>	<b>521355</b>	<b>524355</b>
<b>520356</b>	<b>521356</b>	<b>524356</b>

EURO	US-MIL	TEMA 1300
<b>Hardened steel</b>	<b>Stainless steel 316</b>	<b>Hardened steel</b>
	<b>*NPT Thread on request</b>	



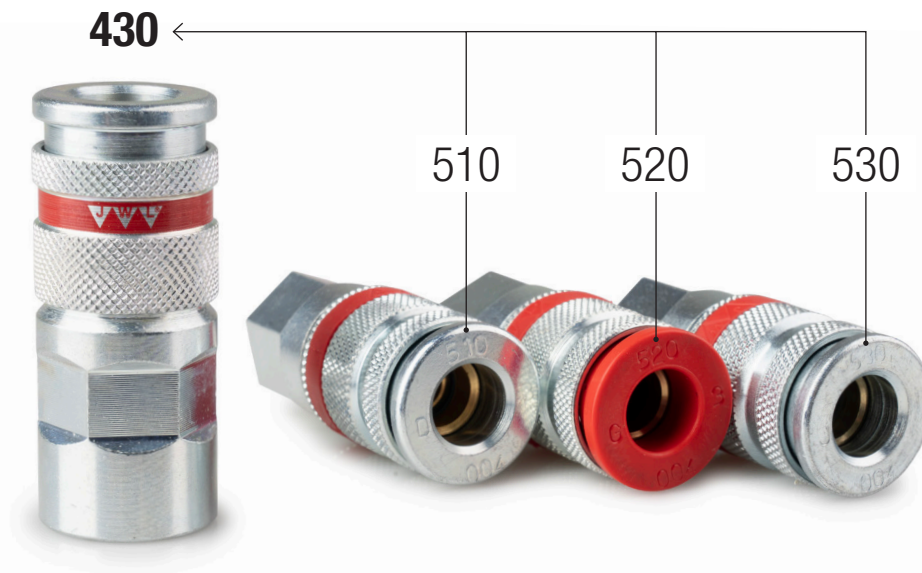
## Easy conversion

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 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 434-series "TEMA 1300" replaces the old 514, 524 & 534-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.