

Technical Notes

Scope :
Autoline QUICK CONNECTORS

PRODUCTS DESCRIPTION

QUICK CONNECTOR INSERTION

DISCONNECTION OF QUICK CONNECTOR

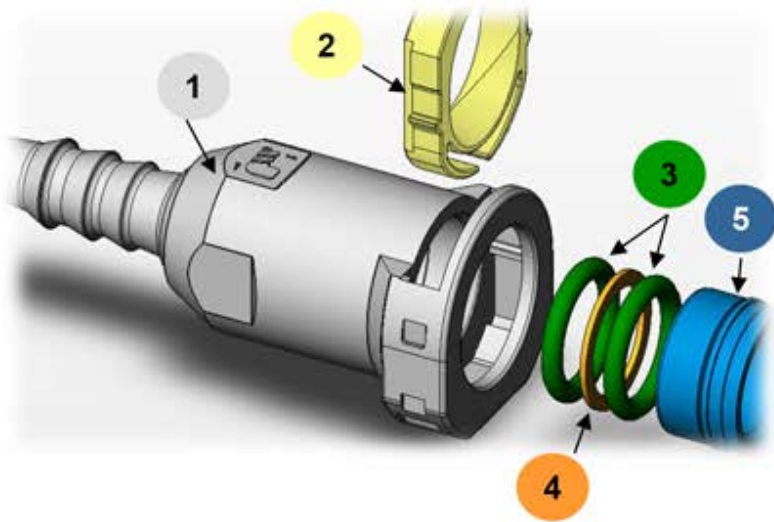


These technical notes have been sent to our customers. It is their responsibility to send these technical notes to the final customers.

PRODUCTS DESCRIPTION

ALL QUICK CONNECTORS

Autoline quick connector connect pipes carrying any type of fluid (gas and liquid) for automotive applications.



- 1 Body
- 2 Retainer
- 3 Lubricated O-rings
- 4 Washer
- 5 Sleeve

LOCKING SYSTEM (RETAINER)



STANDARD retainer
« SINGLE-LOCK »



« DOUBLE-LOCK » retainer



« SAFE-LOCK » retainer



QUICK CONNECTOR INSERTION

SINGLE LOCK Quick Connector



1- Align Quick Connector with Stem



2- Insert endform or stem until you hear a click



3- Push-pull the stem to make sure of good insertion if click sound can't be heard.

DOUBLE-LOCK Quick Connector



✓ 1st connection :



1- Align Quick Connector with Stem



2- Insert stem until you hear a click



3- Secure the connection by pushing down the second latch.



Nota : A push-pull manipulation may confirm the good connection



Second latch is down at delivery



Second latch goes up if endform is well inserted



Second latch is down

QUICK CONNECTOR INSERTION



SAFE-LOCK Quick Connector

✓ 1st connection :



1- Align Quick Connector with Stem



2- Insert stem until you hear a click



3- Secure the connection by pushing down the second latch



Nota : A push-pull manipulation may confirm the good connection



Second latch is up at delivery



Second latch stay up after insertion



Second latch is down

✓ secure connection :



Unconnected or unsecured QC : second latch is up



If second latch doesn't go down easily, the quick connector IS NOT WELL CONNECTED

Inserted and secured QC : second latch is down



DISCONNECTION OF QUICK CONNECTOR

SINGLE LOCK Quick Connector

STD



1- Hold the QC with your fingers



2- Press down the release button with your thumb



3- Pull back QC while keeping retainer down

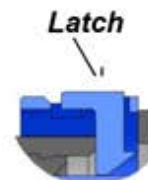
DOUBLE-LOCK Quick Connector

DL

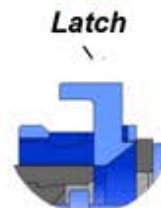


1- Release second latch with a small flat-head screwdriver

Second latch bottom position



Second latch up position



2- Hold the QC with your fingers



3- Press down the release button with your thumb



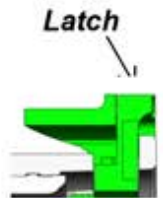
4- Pull back QC while keeping retainer down

DISCONNECTION OF QUICK CONNECTOR

SAFE-LOCK Quick Connector



Second latch
bottom position



Second latch up
position



1- Hold the latch on both side by fingers, and pull up



2- Hold the coupler as
illustrated



3- Press and keep down the
primary latch with your thumb



4- Pull back the coupler toward the
opposite direction of the endform or
pull out the endform with other
hand.