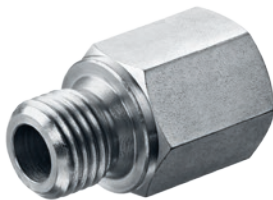


Technical Data Sheet

Quick Connectors

200



Quick Connector
thread-optimized range



Quick Connector
length-optimized range



Quick, tool-free push-in connection

Space-saving compact one-piece design with maximum flow

Flexible and easy to integrate: thread- and length optimized range

Heat-resistant, robust, tamper-proof

Quick Connectors 200

Material

Body: Material No. 1.0737/UNS G12144

Protection against corrosion on request

Circlip: Material No 1.4310/UNS S30100

O-Ring: According to requirements

Use

Oetiker Quick Connectors (QC) are an innovative connecting solution for pressure lines carrying media. They enable significant savings in assembly time, space required, and assembly costs to be made.

Thanks to tool-free assembly, Oetiker QC are an optimal solution for many applications and are particularly suitable as a connecting element for oil and / or coolant lines to turbochargers, transmissions, and radiators.

Process monitoring

Process monitoring is carried out mechanically. With appropriate modification of the plug or tube, visual process monitoring is also possible.

Temperature range

The temperature range is dependent on the material of the O-ring. This is determined according to the requirements.

Functionality



To make the connection, push the grooved tube/adaptor into the Quick Connector until it engages. We recommend verifying correct insertion of each pipe by means of manual pull testing. Locking of the pipe/insertion nipple in the QC takes place by means of the groove in the pipe, the groove system in the QC and the circlip – an especially space-saving solution allowing the smallest of QC diameters.



To disconnect, push the disconnection sleeve/pincer into the Quick Connector to the stop, hold it in this position, and pull out the tube/adaptor.

Performance

Operating pressure

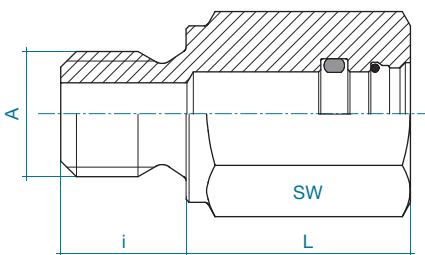
The permissible operating pressure is directly dependent on the O-ring selected, the temperature, and the quality of the male component. It must always be determined in relation to the application.

DN8–DN18	< 40 bar
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Pull-out load on QC tube

DN	
8	> 1800 N
10	> 2000 N
12	> 2200 N
15	> 2400 N
18	> 2600 N

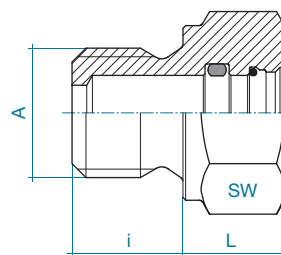
thread-optimized range



DN	A	i	L	SW
8	M12 x 1.5	12.0	21.5	17.0
10	M14 x 1.5	12.0	22.0	19.0
12	M16 x 1.5	12.0	23.0	22.0
15	M18 x 1.5	12.0	24.0	24.0
18	M22 x 1.5	14.0	27.0	27.0

Lengths in mm

length-optimized range



DN	A	i	L	SW
8	M14 x 1.5	12.0	11.0	19.0
10	M16 x 1.5	12.0	12.0	22.0
12	M18 x 1.5	12.0	13.0	24.0
15	M22 x 1.5	14.0	13.0	27.0
18	M27 x 2.0	16.0	14.0	32.0

Lengths in mm

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