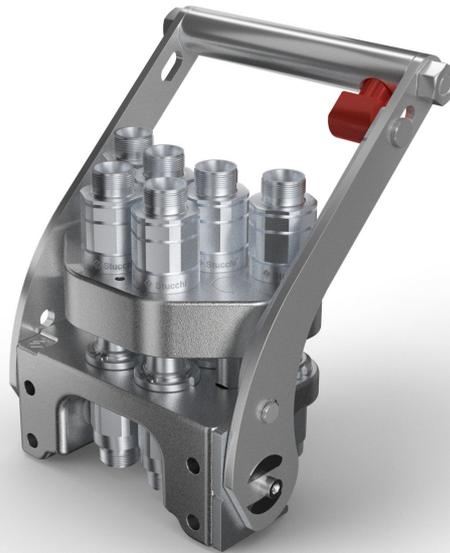


GR6 6A-2EC V01

SPECIAL SERIES



FAP9 (A) 3/8"	FAP13 (B) 1/2"	FAP15 (C) 5/8"	FAP17 (D) 3/4"	FAP21 (E) 1"	FAP30 (G) 1-1/2"	EC instead of DN9 or DN13
6 FAP9AZN ("A" TYPE)						2

Technical specifications and options



Interchange
Stucchi profile



Sealing
Nitrile NBR



Available sizes
6 x 3/8"



Material
Brass, Carbon steel



Valving style
Flat face



Connection Under Pressure
Allowed with Easy CUP



Operating pressure
up to 350 bar



Locking mechanism
Pin, Cam



Temperature
-20°C / +100°C



Connection system
Lever



Available threads
DIN L15



Flow rate
up to 46 l/min

Benefits

- GR6 6A-2EC V01 is specifically developed and designed from GR6 6A-2EC model for truck trailer application
- To be used on truck trailer application where the OEM has to provide a previous design risk analysis (FMEA or similar process) to allow a hydraulic multiconnection to be used for connecting hydraulic lines like steering, suspension and pilot lines
- Pin and connection cam provided with dedicated materials, production and quality process to achieve peculiar safety level need to be used on truck trailer hydraulic fluid power lines
- Parking station and cover plates protects the system from contamination and damage as well as to provide a convenient storage solution
- Mobile plate and cover plate provided with holes for water condensation escape, if assembled upside-down
- The locking mechanism ensures a full connection and prevents accidental disconnection
- Flat face couplings are easy to clean, reducing the inclusion of contamination to the hydraulic circuit
- Internal valve design creates minimal pressure drop, maintaining circuit efficiency in the system
- Minimal fluid loss during disconnection, reducing fluid loss to the environment
- Minimal air inclusion during connection/disconnection
- High resistance at impulse pressures
- Safe and simple to use

Main applications



Agriculture



Oil/Gas



Industry



High Pressure



Cooling



Refrigeration



Earth Moving



Vehicles



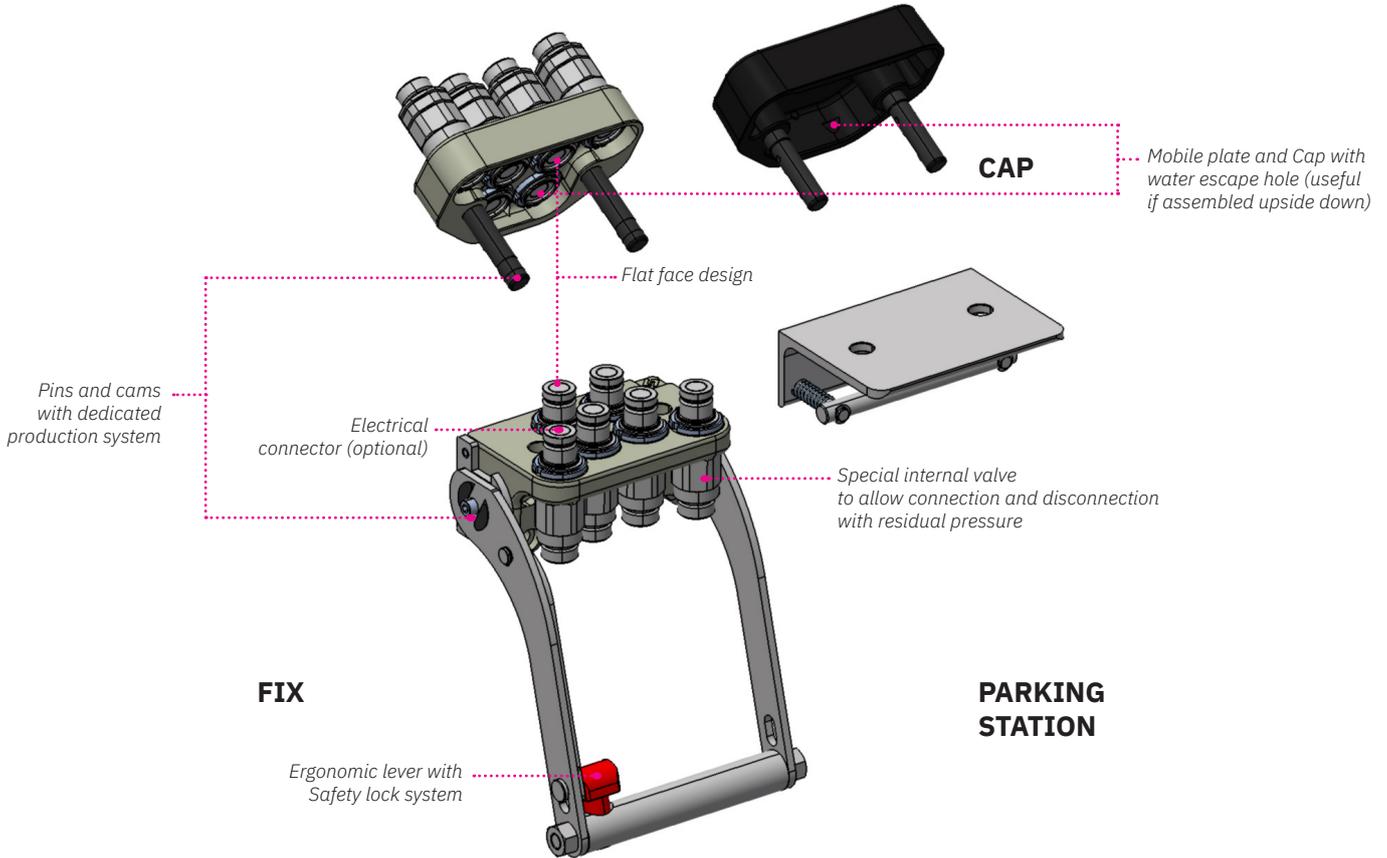
Hydraulic Equipment



Chemical & Food Industry

Features

MOBILE



Performances (with FAP9AZN)

Size	Series	Max. flow suggested		Hydroplastic pushing area coupled	Spillage*	Max. operating pressure					
		l/min	GPM			Coupled		Male		Female	
Inch				Cm ²	ml	MPa	psi	MPa	psi	MPa	psi
3/8	FAP9AZN	46	12,19	1,226	0,012	35	5075	35	5075	35	5075

* For additional performances information please refer to FAP9ZN performance chart in Stucchi Multicoupling catalogue.

Temperature range: Standard seals NBR, PUR, POM from -20 °C to +100 °C (from -4 °F to +212 °F).

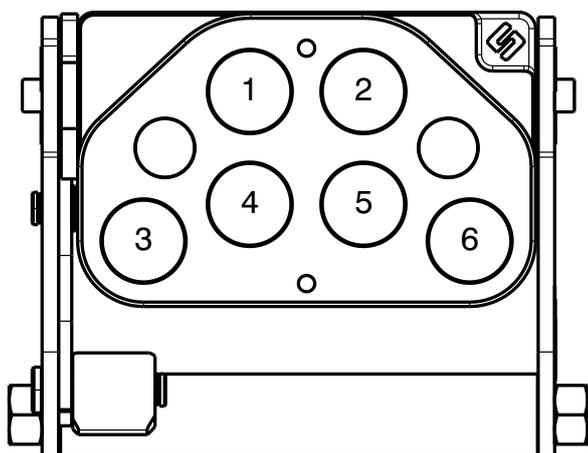
Tests: The product have been tested in accordance with ISO norms.

Different threads available upon request.

Installation, use and maintenance

- Before choosing the product, please verify the resistance by consulting the following paragraph in the Stucchi Multicoupling catalogue: “DP - GR: resistance”.
- For installation, use and maintenance follow the indication of Stucchi Multiconnection catalogue, reference to the following paragraphs: “DP - GR: installation”, “GR: how to use”.
- Clean frequently the multiconnection and the components.
- Lubricate the connection and guiding parts.
- Check often the multiconnection by looking for leakage, damage or malfunctioning.

Configurations



Possible configurations

Position	Coupling Size	Predisposition for electrical connector
1	FAP9AZN	-
2	FAP9AZN	-
3	FAP9AZN	YES*
4	FAP9AZN	-
5	FAP9AZN	-
6	FAP9AZN	YES*

* Electrical connector to be used:
806422000 F EC6 -806422001 M EC6

Plates and spare parts

Multicoupling (couplings included)

Code	Name	Description
870015051	MULTI COMPLETE GR6 6A V01	6 FAP9A L15 - CAP
870015151	MULTI FIX GR6 6A V01	6 FAP9A L15
870015251	MULTI MOBILE GR6 6A V01	6 FAP9A L15

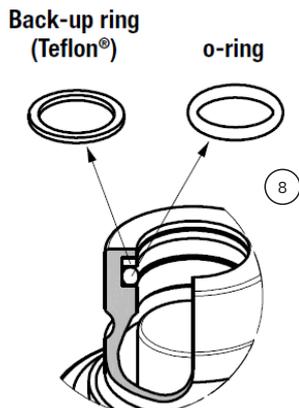
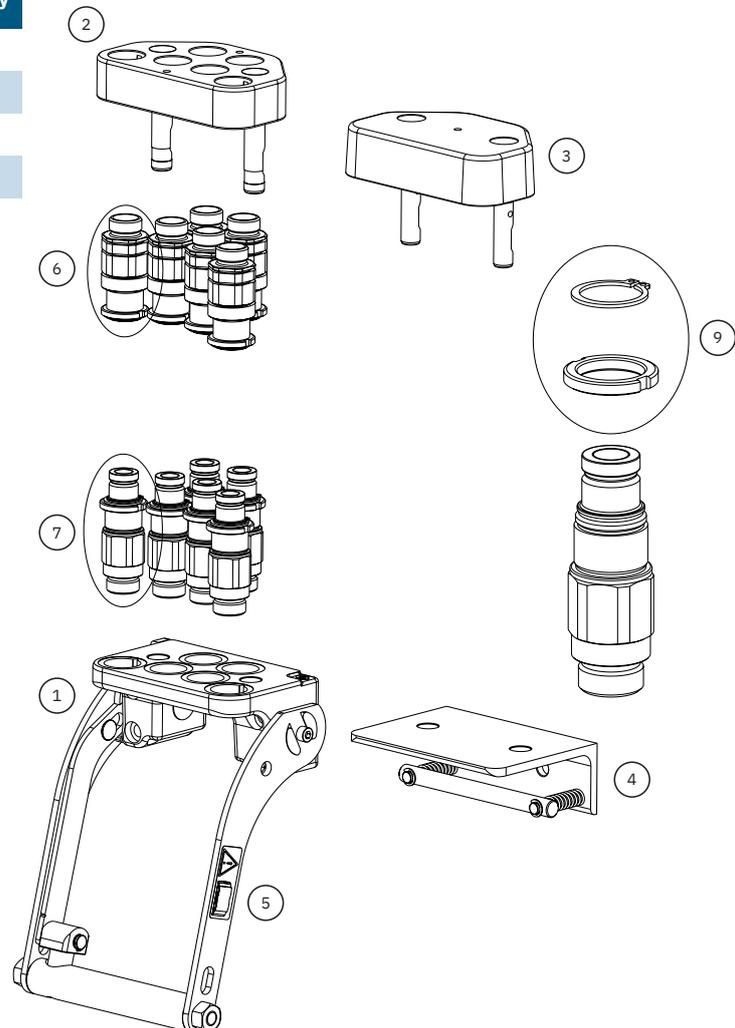
Multicoupling spare parts (couplings not included)

Code	Name	Key
806000290	MULTI FIX EMPTY GR6 6A-2EC V01	1
806000291	MULTI MOBILE EMPTY GR6 6A-2EC V01	2
815606252	CAP FIX MULTICOUPLING GR 139X90 V04	3
815606249	PARKING STATION MOBILE MULTICOUPLING GR 140x100	4
815701052	SPARE KIT LEVER GROUP GR 200x176	5

Spare parts

Code	Name	Key
811408012*	F FAP9AZN L15	6
811408013*	M FAP9AZN L15	7
815701096	SPARE KIT OR NBR+BK M FF CUP 38	8
815701000	SET OF 10 SEEGER+NUT FAP9AZN	9

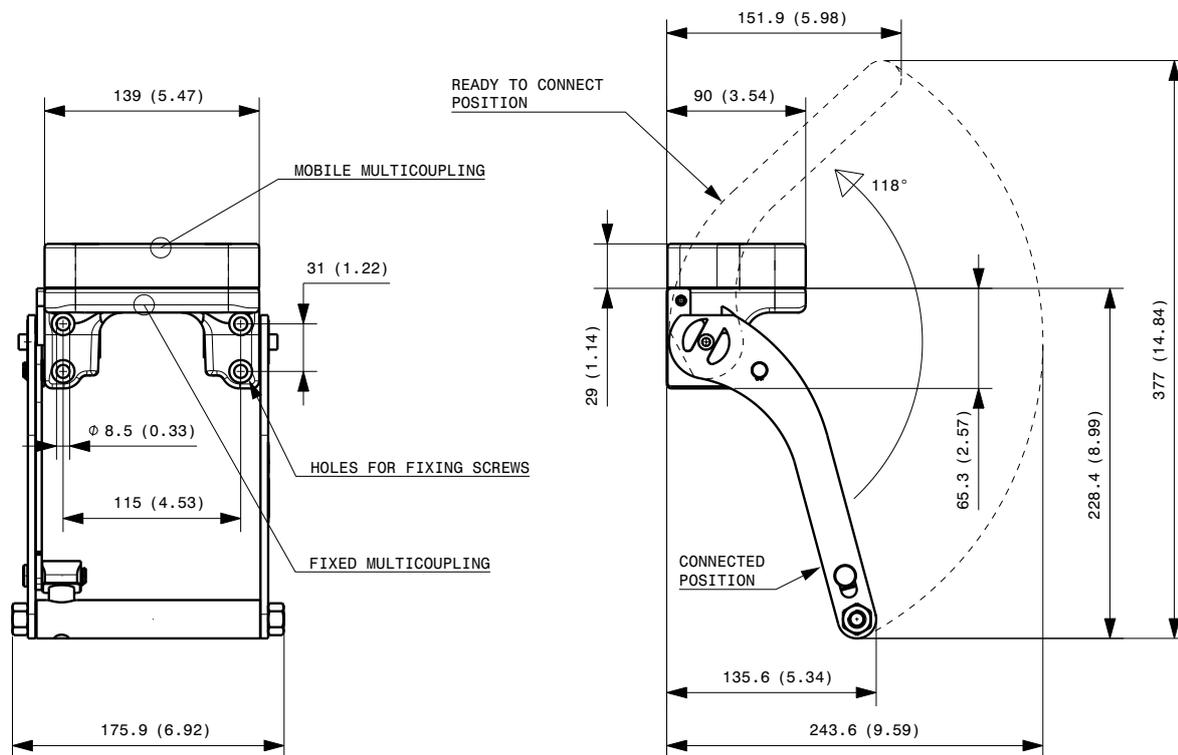
*Seeger Ring and Nut are included with the coupling



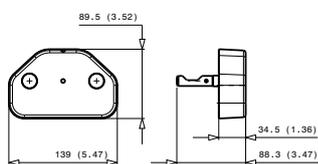
Overall dimensions

Max. resistance 18000 N

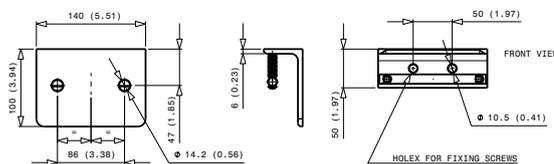
Fixed and mobile multicoupling



Cap for fix multicoupling



Parking station for mobile multicoupling



Dimensions in mm (inches)

⚠ IMPORTANT WARNINGS

The malfunction of the steering lines can cause the vehicle to become out of control, with consequent potential accidents which can be serious. It is important that the Manufacturer, prior to select the product, has performed the risk analysis (for example FMEA method) which includes study of the failure mode, detection and effect of the failure. Consequently, the Manufacturer must implement what is necessary to make the fault evident and mitigate its most dangerous effects.

Do not use the GR6 6A-2EC V01 multiconnection for brake lines application.

A defect, a wrong choice or an improper use of products can cause injury to persons, animals and objects.

Never connect or disconnect with dynamic pressure (e.g. pump on).

Do not use the female coupling disconnected with high impulse pressure.

Do not couple-uncouple with flow in the circuit.

Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).

Check the maximum allowable operating pressure of the port in use.

Make sure that the medium used is compatible with seal and material as indicated for each series.

In case of doubt please contact Stucchi Technical Support.

Do not force the lever without pushing the unlock safety button.

Do not use extensions or other tools to ease the rotating of the lever.

Do not connect the fixed half with the mobile half if dirt or other material (tool, finger) is between them.

Pay attention during the connection not to put finger or other material between the plates.

We advise to assemble the multiconnection with the female face down in order to allow water or moisture to be drained easily.

Do not exceed single coupling performance and total multiconnection resistance of the multiconnection (please refer to dedicated datasheet).

When the multicoupling is disconnected, it is suggested to use the protection cover for the fixed half and the parking station for the mobile half.

Do not modify, disassemble, or damage the multiconnection, part of it or the coupling, the lever or safety lock system.

Stucchi Multiconnection are intended to be used for hydraulic fluid power oil applications: do not use the products for dangerous, inflammable, or explosive fluids (Example: heat transfer oil at very high temperature, steam ...).

Stucchi Multiconnections are intended to be used for hydraulic fluid power oil applications with limitations given by NBR seal compatibility and temperature range.

Do not use GR6 6A-2EC V01 series multiconnection for very high temperature applications.

The quick coupling FAPZN series is intended to be used only on Stucchi Multiconnections. Do not use the FAPZN coupling on a Custom-made multiconnection or another device different than a Stucchi Multiconnection.

It is **MANDATORY** to read and closely follow the instructions. Last updated version always applies at time of installation, see latest written Instructions on Stucchi website (stucchigroup.com) before selecting or using Stucchi products.