

# Multi-Coupling Plate

The multi-coupling plate is a tool allowing the simultaneous couple and uncouple of a certain number of hydraulic and/or electrical lines. From a minimum of two to a maximum of ten lines can be simultaneously connected by a single, simple movement requiring very little force.

The energy lines can all have the same nominal diameter or each line can be different from the others according to the application.

A special multi-coupling plate version provided with electrical connector can be supplied.

- Connects with residual pressure
- Mechanical connection eliminates brinneling effect
- Safety lock prevents unwanted disconnection
- Simple to use with a single movement applied by one arm only
- Ease of maintenance or replacement of quick couplings
- Cap and parking station available

## Overview

- Front end loaders
- Harvesting equipment
- Construction machinery
- Refrigeration
- Snow removal equipment
- Energy sector
- Any application requiring connection under residual pressure of multiple couplings

## Features

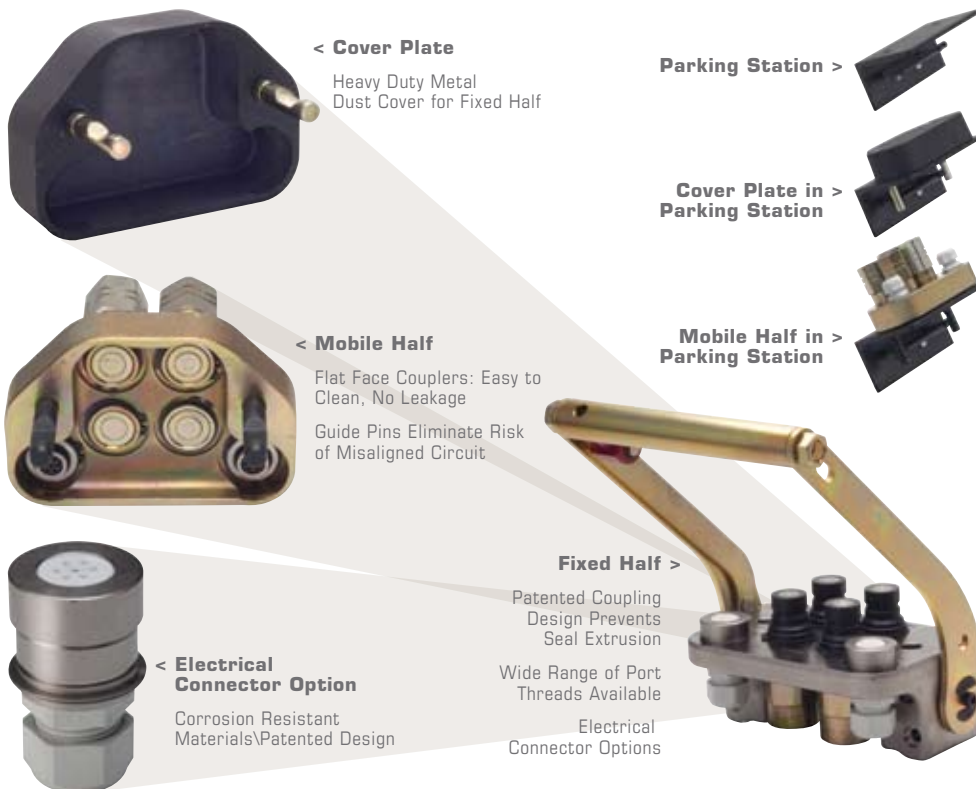
- Connect up to 25 MPa/ 3625 psi residual pressure
- Auto safety lock when connected
- Single hand operation
- Compact design
- Flat face couplers eliminate leakage
- Flat face couplers reduce contamination
- Guide mechanism eliminates cross connecting circuits



MULTI-COUPLINGS



Stucchi®



## The Stucchi Solution to Connecting Multiple Couplings Simultaneously

1. Ergonomic lever for easy connect/disconnect with residual pressure
2. Patented coupling design to connect/disconnect multiple couplings with high residual pressure
3. Flat face couplers eliminate environmental issue of leakage
4. No risk of misalignment with guide pin design
5. Couplers mounted with snap rings for ease of installation or replacement
6. Fixed half male couplers interchangeable with ISO 16028 style flat face coupling
7. Electrical connector option for electronic control systems
8. Easily mounted on new equipment or retrofit on pre-existing system

# GR Multi-Coupling Plate - Instructions



## To Connect

### Step 1

Insert the guide pins of the mobile half (half w/pins) in the holes of the fixed half (handle half) and slide the mobile half pins until there is contact between the couplings' faces



### Step 2

Push the red safety button on the handle, at the same time acting on the handle turn the lever in the direction of the fixed half in a downward motion

### Step 3

After a short rotation, release the red button



### Step 4

Continue to rotate until the safety lock automatically engages itself



## To Disconnect

### Step 5

Push the red safety button, at the same time acting on the handle turn the lever in the direction of the mobile half upward



### Step 6

After a short rotation, release the red button

### Step 7

Continue to rotate upward until the safety lock automatically engages itself



### Step 8

Now the multi-coupling plate is uncoupled and it is possible to pull out the mobile half

## WARNING!

- Do not force the lever without pushing the red 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 is between them
- When the multi-coupling is disconnected, it is suggested to use the dust cover for the fixed half and the parking station for the mobile half

# DP Multi-Coupling Plate - Instructions



## To Connect

### Step 1

Insert the guide pins of the mobile half in the holes of the fixed half and slide the mobile half pins until there is contact between the couplings' faces



### Step 2

Acting on the handle turn the lever downward in the direction of the fixed multi-coupling half



### Step 3

Continue to rotate until the safety lock automatically engages itself



## To Disconnect

### Step 4

Push the red safety button, at the same time acting on the handle turn the lever in the direction of the mobile half of the multi-coupling in an upward motion



### Step 5

Continue to rotate until the mechanical stop of the lever at approximately the 2 o'clock position



### Step 6

Now the multi-coupling is uncoupled and it is possible to pull out the mobile half