The DP Series of Multi-Coupling Plates allows the simultaneous coupling and uncoupling of two to six hydraulic and/or electrical lines with a single simple movement requiring very little force. The circuit lines can all have the same nominal coupler diameter as well as different

nominal coupler diameter as well as different media. A dust cap is supplied, and options include an electrical connector for low voltage requirements and a parking station.

Instructions & Parking Stations – page 67



OR	DER	CO	DES

42	02	08	08	01	С	27
SERIES NUMBER	NUMBER OF COUPLINGS	SIZE OF COUPLER	PORT SIZE	THREAD	SUFFIX	OPTIONAL NUMBER OF ELECTRICAL CONNECTIONS
31 = DP2-9ZN 32 = DP4-9ZN 41 = DP2-13ZN 42 = DP4-13ZN	01# OF COUPLINGS 02# OF COUPLINGS 03# OF COUPLINGS ETC.	06 = 3/8 08 = 1/2 12 = 3/4 16 = 1 20 = 1 1/4 24 = 1 1/2	06 = 3/8 08 = 1/2 12 = 3/4 16 = 1 20 = 1 1/4 24 = 1 1/2	01 = NPT 04 = SAE	FH = FIX HALF MH = MOBILE HALF C = COMPLETE	<ul> <li>17</li> <li>1 ELECTRICAL</li> <li>CONNECTION</li> <li>7 PRONGS</li> <li>16</li> <li>1 ELECTRICAL</li> <li>CONNECTION</li> <li>6 PRONGS</li> <li>27</li> <li>2 ELECTRICAL</li> <li>CONNECTION</li> <li>7 PRONGS</li> </ul>

SERIES ORDER CODE PREFIX	COUPLER CODE # AND COUPLER SIZE MULTI-COUPLER PLATE SERIES MULTIPLE SIZE COUPLER	FAP 9 3/8	FAP 13 1/2	FAP 15 3/4	FAP 17 1	FAP 21 1 1/4	FAP 30 1 1/2
31	DP2-9ZN	2					
41	DP2-13ZN		2				
32	DP4-9ZN	4					
42	DP4-13ZN		4				
36	DPJ-3ZN	1	1				
61	DP2-15ZN			2			
63	DP6ADZN	2			4		
71	DP2-17ZN				2		
76	DP3GEZN			1	2		

The above list represents the most popular stock items. Standard plates offer a variety of hydraulic coupler and electrical connector combinations too broad to list in this catalog page. Use the Stucchi ordering code system to create a coupling plate configuration for your application or contact a Stucchi representative to discuss your application and a solution.

**Notes:** Plate capacities listed are the maximum number of couplers per plate. All plates can be made with fewer couplers. Electrical connectors can be added to any plate using 3/8 or 1/2 inch port spaces. Consult Stucchi USA for specific applications.

# FEATURES

Size range: 3/8" thru 1" Port options: NPT, SAE, BSP Connect/disconnect up to 25 MPa/300 bar/3625 psi residual pressure Working pressure: 30-35 MPa/4350-5075 psi

- Simple to use, with single-motion connection
- Auto-lock design prevents accidental disconnection
- Min. of 2 to max. of 6 lines of the same nominal coupling size and different media

## **APPLICATIONS**

Any application requiring leak-free connections with or without residual pressure of multiple couplings

- Harvesters, front-end loaders, snow removal, construction machinery, mining, drilling machinery
- Refrigeration equipment





# **DP PLATE SERIES TECHNICAL CHARACTERISTICS & INSTRUCTIONS**



Cover Plate Heavy-Duty Metal Dust Cover for Fixed Half



Mobile Half Flat Face Couplers: Easy to Clean, No Leakage Guide Pins Eliminate Risk

of Misaligned Circuit

### **Electrical Connector Option** Corrosion-Resistant Materials Patented Design

**Parking Station** 

**Cover Plate** in Parking Station





Seal Extrusion Wide Range of Port Threads Available

**Electrical Connector** Options

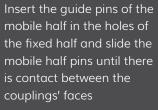
The Stucchi Solution to Connecting Multiple Couplings Simultaneously

- 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

#### To Connect



Step 1





Step 2 Acting on the handle, turn the lever downward in the direction of the fixed multicoupling half



Step 3 Continue to rotate until the safety lock automatically engages itself

# WARNING

- Do not force the lever without pushing the red safety button

- Do not use extensions or other tools to ease the rotation of the lever
- Do not connect the fixed half with the mobile half if dirt or other material is between them

#### **Parking Stations**

ORDER CODE	DES
815606029	PARKING
815606039	PARKING
815606037	PARKING
815606041	PARKING



#### To Disconnect



### Step 4

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



### Step 5

Continue to rotate until the lever mechanically stops 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

- 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

#### SCRIPTION

IG STATION DP2-9 IG STATION DP4-9 G STATION DP2-13 G STATION DP4-13

