



Multi-Coupling: Series GRE

Low Pressure Applications

The multi-coupling plate is a tool allowing the simultaneous couple and uncouple of a certain number of water, air, oil and/or electrical lines. From a minimum of 6 to a maximum of 18 lines can be simultaneously connected by a single, simple movement requiring very little effort. The energy lines can all have the same nominal diameter with different media according to the application.

Offered coupler sizes: 3/8 and 1/2 with various ports, low pressure applications

- Connects with residual pressure: 2-3 bar
- Safe lock prevents unwanted disconnection
- Simple to use with a single movement applied by only one arm
- Ease of maintenance or replacement of quick couplings

Overview

The Stucchi GRE Series of Multi-Coupling Plates is designed as a solution for industrial applications such as fast tool changes on injection molding & die cast equipment. Coupling plates reduce downtime between production runs wherever pneumatic, oil, water, and electrical circuits are to be connected to production machines or test benches, etc. This series is designed to meet the requirements of flexible manufacturing of present and future production machines and processes. The GRE series connects with little effort due to its superior guidance pin system. The GRE series only connects in one position, preventing any connection error by inversion of circuits.

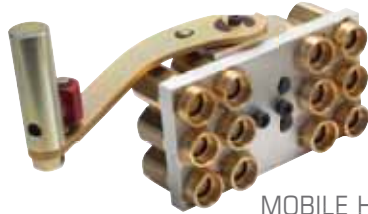
Features & Options

- Compact aluminum manifold construction
- Port Options: female thread, hose barbs, 90 degree
- Valve options: Single shut-off, double shut-off, full flow
- Snap-ring mount allows easy installation and maintenance of couplers
- Auto-lock design prevents accidental disconnection
- Circuits: 6-12-18 positions

GRE Series Instructions for Use

GRE SERIES: INSTRUCTIONS FOR USE

LOCATE THE GUIDE PINS OF THE FIXED HALF AND THE RECEIVING PORT HOLES ON THE MOBILE HALF (HALF WITH THE HANDLE)



MOBILE HALF



FIXED HALF

01

Align and insert guide pins on fixed half into the mating port on the mobile half until pins are fully inserted.



02

Handle needs to be in the 12 o'clock starting position. Engage red locking mechanism and raise handle to the 12 o'clock starting position. Fixed half guide pins and mating ports will engage further to the proper starting position.



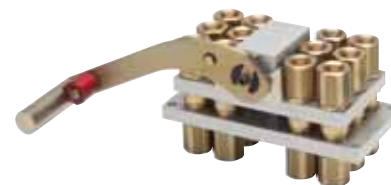
03

Engage red locking mechanism on the handle and move handle in a downward direction from 12 o'clock towards the 7 o'clock position.



04

Continue moving the handle until arriving at the 7 o'clock position. The handle will be locked in place once the locking pins are fully engaged and the mechanical click is heard.

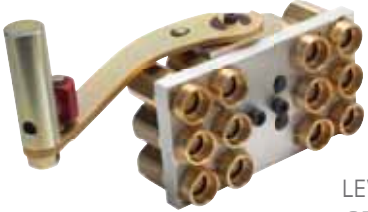







05

To disconnect reverse process: engage red locking mechanism and raise handle from 7 o'clock position to 12 o'clock position. Pull mobile half from fixed half pins.



GRE Plate Plates_Component Identification Page

MOBILE HALF	FIXED HALF
 <p data-bbox="634 600 813 688">ERGONOMIC LEVER FOR EASE OF CONNECTION</p>	 <p data-bbox="1279 600 1507 688">GUIDE PINES ELIMINATE RISK OF MISALIGNED CIRCUIT</p>
DUST COVER FOR FIXED HALF	FIXED HALF WITH DUST COVER
	
MOBILE HALF PARKED IN PARKING STATION	PARKING STATION
	

The Stucchi Solution to Connecting Multiple Couplings Simultaneously for Low Pressure Circuits

1. Ergonomic lever for easy connect/disconnect with minimal effort
2. No risk of misalignment with guide pin design
3. Couplers mounted with snap rings for ease of installation or replacement
4. Easily mounted on new equipment or retrofit on pre-existing system

GRE Series Hydraulic Multi-Coupling Plate

ORDER CODE STRUCTURE						
11	06	06	06	01	C	VM
SERIES NUMBER	NUMBER OF COUPLINGS	SIZE OF COUPLER	PORT SIZE	THREAD	SUFFIX	INDICATION OF NO VALVES
11 = GRE 6-9 12 = GRE12-9 13 = GRE18-9 21 = GRE 6-12 22 = GRE12-12 23 = GRE18-12	01 # OF COUPLINGS 02 # OF COUPLINGS 03 # OF COUPLINGS ETC.	06 = 3/8 08 = 1/2	06 = 3/8 08 = 1/2	01 = NPT 04 = SAE	FH = FIX HALF MH = MOBILE HALF C = COMPLETE	SUFFIX OPTION FOR NO VALVES ONLY VM = NO VALVES MALE NIPPLES



MULTI-COUPLING PLATE SERIES OPTIONS: STANDARD STOCK PLATES

GRE 6-9	COMBINATION OF 3/8 INCH COUPLERS, UP TO 6 POSITIONS
GRE12-9	COMBINATION OF 3/8 INCH COUPLERS, UP TO 12 POSITIONS
GRE18-9	COMBINATION OF 3/8 INCH COUPLERS UP TO 18 POSITIONS
GRE 6-12	COMBINATION OF 1/2 INCH COUPLERS UP TO 6 POSITIONS
GRE12-12	COMBINATION OF 1/2 INCH COUPLERS UP TO 6 POSITIONS
GRE18-12	COMBINATION OF 1/2 INCH COUPLERS UP TO 18 POSITIONS



GRE Multi-Coupling Plate: Order Codes

Common Stock Items



ORDER CODE	DESCRIPTION	NUMBER OF COUPLERS	COUPLER SIZE	THREAD SIZE
110006060601C	GRE 6-9 (6) 3/8 NPT	6	3/8	3/8
120012060601C	GRE 12-9 (12) 3/8 NPT	12	3/8	3/8
130018060601C	GRE 18-9 (18) 3/8 NPT	18	3/8	3/8
210006080801C	GRE 6-12 (6) 1/2 NPT	6	1/2	1/2
220012080801C	GRE 12-12 (12) 1/2 NPT	12	1/2	1/2
230018080801C	GRE 18-12 (18) 1/2 NPT	18	1/2	1/2

THE ABOVE LIST CONSISTS OF THE MOST POPULAR STOCK ITEMS. STANDARD PLATES OFFER A VARIETY OF STANDARD COUPLER COMBINATIONS TOO BROAD TO LIST IN THIS CATALOG. USE THE STUCCHI ORDERING CODE SYSTEM TO CREATE A COUPLING PLATE CONFIGURATION FOR YOUR APPLICATION OR FILL OUT AND FAX THE CUSTOM PLATE FORM FOR NON-STANDARD CONFIGURATIONS (AVAILABLE ONLINE).



GRE Series Replacement Couplers

ORDER CODE	BODY SIZE	THREAD SIZE	THREAD TYPE	PART DESCRIPTION
802101000	3/8	3/8	NPT	F. CSF9BN
802101003	3/8	3/8	NPT	M. CSM9BN
802101004	1/2	1/2	NPT	F. CSF12BN
802101005	1/2	1/2	NPT	M. CSM12BN

PRICES FOR PLATES AND COMPONENTS AVAILABLE UPON REQUEST



Parking Stations

ORDER CODE	PART DESCRIPTION
815606033	PARKING STATION ALL PLATES



Dust Cover

ORDER CODE	PART DESCRIPTION
81560609DC	FIXED PLATE DUST COVER FOR GRE 6 POSITION PLATE
81561212DC	FIXED PLATE DUST COVER FOR GRE 12 POSITION PLATE
81561809DC	FIXED PLATE DUST COVER FOR GRE 18 POSITION PLATE