# Oleodinamica Marchesini G1042 GG 90° 1 1/4 90-degree rotating coupling

Manufacturer: Oleodinamica Marchesini

Manufacturer part number / published order designation: G1042

Published model: G1042

## About this compilation

Prepared by Hydmaster from selected manufacturer documentation. Original technical pages follow without cropped drawings, rewritten data or altered units. This cover and index are Hydmaster editorial material, not a manufacturer-issued exact-execution datasheet.

Coverage: selected pages relevant to the identified size and configuration. Other options or neighbouring models retained on an original page apply only where explicitly identified.

## Execution notes and conditions

Exact supplier-offered article: G1042

Manufacturer series image is representative.

No publication date inferred from upload path.

## Source-page index

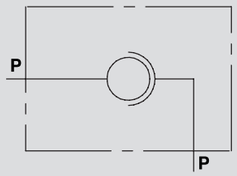
Source page numbers below are physical pages of each complete original PDF. The original printed page labels and technical content remain unchanged. Compiled page numbers count this cover/index.

## Source A: Oleodinamica Marchesini GG 90° technical datasheet


| Original pages | Compiled pages | Relevant content |
|---|---|---|
| 1 | 2 | Complete relevant manufacturer ratings/code table, original circuit, drawings, curves and conditions |

# GIUNTI GIREVOLI A 90°
## 90° DEGREE ROTATING COUPLINGS

SCHEMA IDRAULICO
HYDRAULIC DIAGRAM




**IMPIEGO:**
Valvole che trovano applicazione tra un tubo flessibile e una parte rigida per compensare rotazioni e torsioni del tubo senza che questo venga danneggiato. Non sono idonei per rotazioni veloci e continuative. Vengono utilizzati in tutti i settori produttivi dove vi siano impianti dotati di tubi flessibili in movimento. Il montaggio è a 90°.

**MATERIALI E CARATTERISTICHE:**
Corpo: acciaio zincato.
Tenuta: tramite guarnizioni a basso attrito.

**MONTAGGIO:**
Collegare le bocche P agli utilizzi.

**A RICHIESTA:**
• Filetto NPT (codice di ordinazione GN... anziché G... es. codice GG 90° 1/4" NPT = GN0990)
• Corpo in acciaio inox (codice di ordinazione GX... anzichè G... es. codice GG 90° 1/4 INOX = GX0990)

**USE AND OPERATION:**
These valves are mounted between the end of a flexible hose and a fixed component to compensate hose's rotations and torsions and to prevent damage. They are not suitable for fast and continuous rotations. They are used in every application where moving flexible hoses are used. 90° mounting.

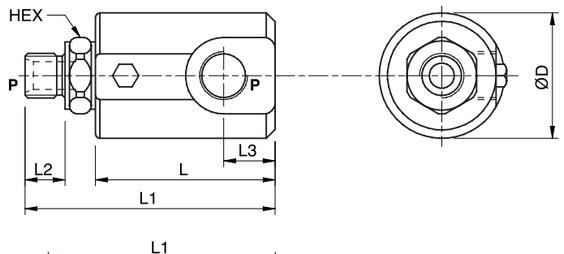
**MATERIALS AND FEATURES:**
Body: zinc-plated steel.
Leakage control: Low friction seals.

**CONNECTIONS:**
Connect ports P.

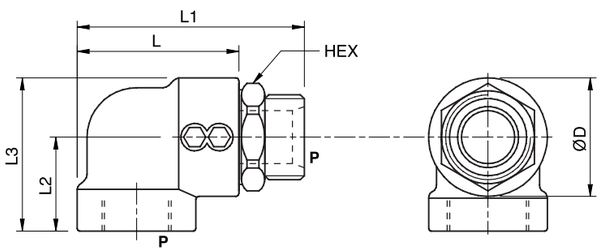
**ON REQUEST:**
• NPT thread (code GN... instead of G... example: GG 90° 1/4" NPT code = GN0990)
• Stainless Steel body (Code GX... instead of G... example: GG 90° 1/4" Stainless Steel code = GX0990)

| CODICE<br>CODE | SIGLA<br>TYPE | PORTATA MAX<br>MAX FLOW<br>Lt. / min | PRESSIONE MAX IN ROTAZIONE<br>MAX ROTATION PRESSURE<br>Bar | PRESSIONE MAX<br>MAX PRESSURE<br>Bar |
|---|---|---|---|---|
| **G0990** | GG 90° 1/4" | 25 | 200 | 400 |
| **G1010** | GG 90° 3/8 | 35 | 200 | 400 |
| **G1020** | GG 90° 1/2" | 60 | 150 | 300 |
| **G1030** | GG 90° 3/4" | 100 | 150 | 300 |
| **G1040** | GG 90° 1" | 180 | 100 | 300 |
| **G1042** | GG 90° 1" 1/4 | 270 | 100 | 300 |
| **G1043** | GG 90° 1" 1/2 | 350 | 80 | 300 |
| **G1044** | GG 90° 2" | 700 | 50 | 250 |

**GG 90°**




**GG 90° 1" - 1"1/4 - 1"12"**




| CODICE<br>CODE | SIGLA<br>TYPE | P<br>GAS | L<br>mm | L1<br>mm | L2<br>mm | L3<br>mm | HEX<br>mm | ØD<br>mm | PESO<br>WEIGHT<br>Kg. |
|---|---|---|---|---|---|---|---|---|---|
| **G0990** | GG 90° 1/4" | 1/4" | 50 | 69 | 11 | 11 | 19 | 34 | 0,312 |
| **G1010** | GG 90° 3/8" | 3/8" | 54 | 76 | 14 | 13 | 24 | 38 | 0,418 |
| **G1020** | GG 90° 1/2" | 1/2" | 63 | 87 | 15 | 14 | 27 | 40 | 0,522 |
| **G1030** | GG 90° 3/4" | 3/4" | 74 | 104 | 19 | 19,5 | 34 | 54,5 | 0,898 |
| **G1040** | GG 90° 1" | 1" | 87 | 119 | 21 | 24 | 41 | 60 | 1,430 |
| **G1042** | GG 90° 1" 1/4 | 1" 1/4 | 84 | 119,5 | 52 | 82 | 50 | 63 | 1,746 |
| **G1043** | GG 90° 1" 1/2 | 1" 1/2 | 102 | 140 | 62 | 101 | 55 | 77 | 3,070 |
| **G1044** | GG 90° 2" | 2" | 107 | 151 | 64 | 107 | 65 | 84 | 3,300 |