

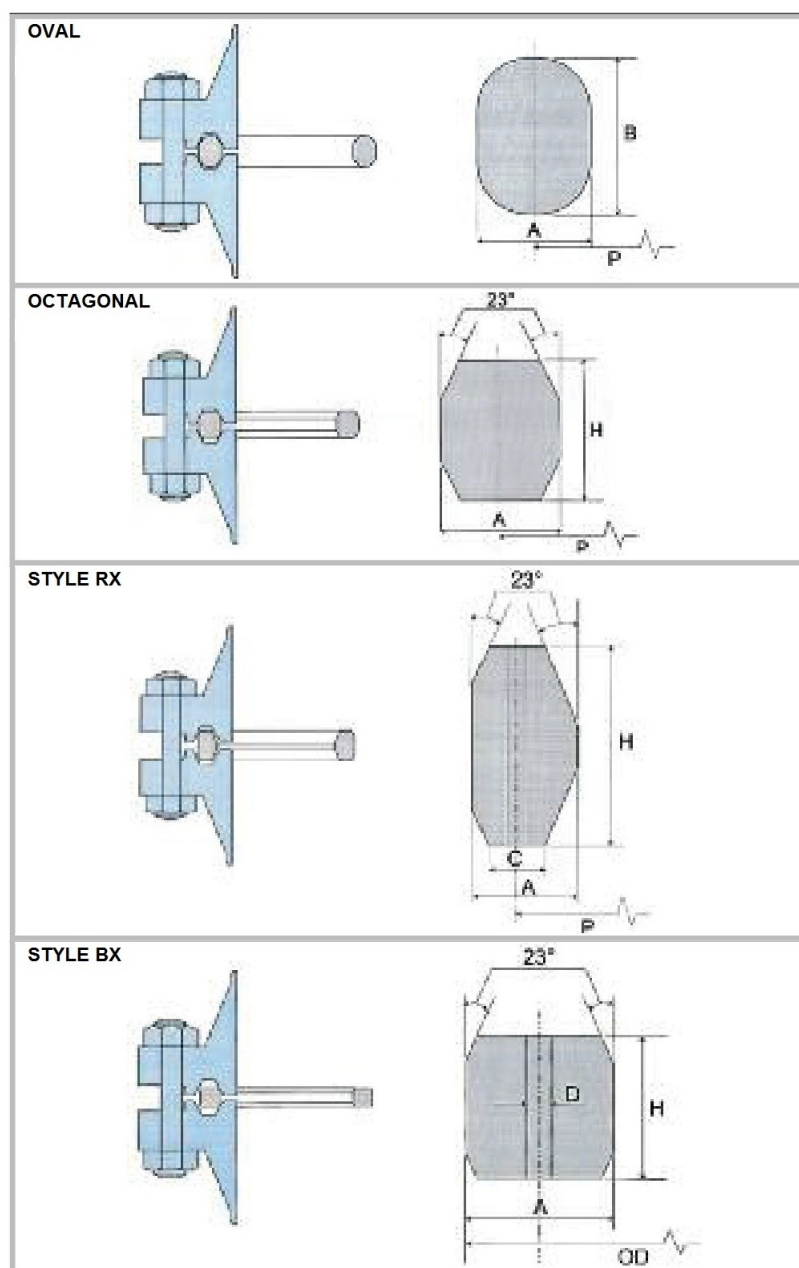
# ***Delcom & Rotec S.r.l. Unipersonale***

## **RING JOINT**

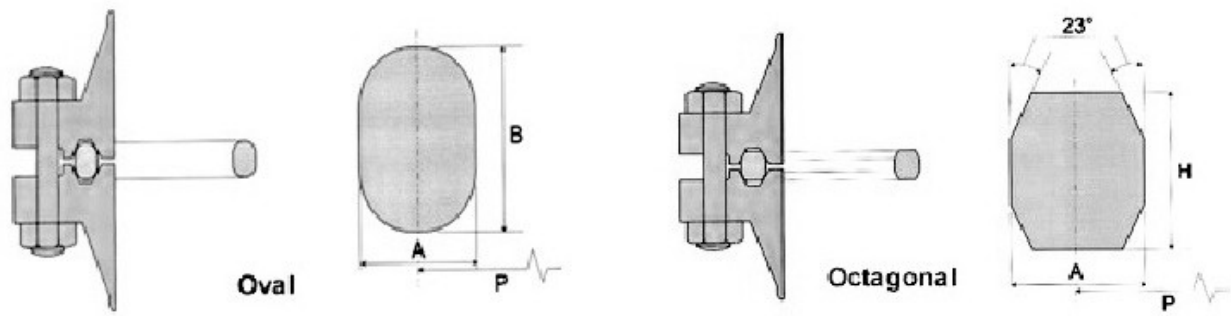
I ring joint progettati, inizialmente, per essere utilizzati nei campi petroliferi a causa delle elevate temperature e pressioni di esercizio richieste, in seguito si sono diffusi in tutti gli impianti di trasformazione del vapore e in applicazioni dove, oltre alle alte temperature e pressioni, siano necessarie alta resistenza meccanica, buona conducibilità termica ed inattaccabilità in presenza di agenti corrosivi.

Possono essere forniti in vari materiali: Fe Armco/Soft Iron, acciai Inox 304, 316, 321, 347; Alloy 400, 600, 625, 800, 825; Hastelloy C276, B2. Altri materiali possono essere forniti in base alle richieste del cliente.

Le tipologie di ring joint più comuni sono: tipo R (per flange ANSI B 16.5 e 16.47 tab. A), tipo RX (per flange API 6A) o di tipo BX (per flange API 6BX).



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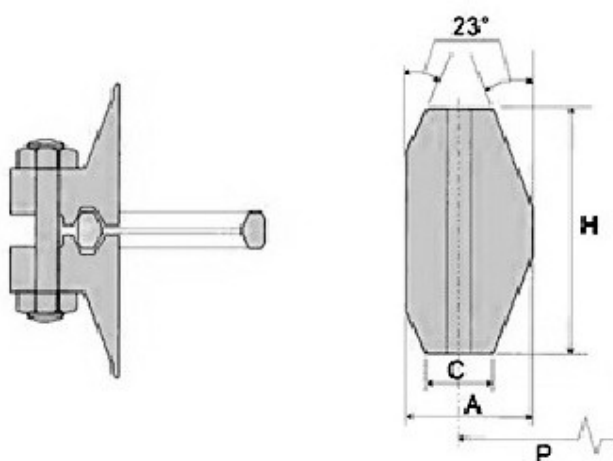


| NOMINAL DIAMETER |                  |         |        |        |        |             |     |        |        |        |
|------------------|------------------|---------|--------|--------|--------|-------------|-----|--------|--------|--------|
| type             | ASME/ANSI B 16.5 |         |        |        |        | ASME B16.47 |     | API 6B |        |        |
| R                | 150              | 300/600 | 900    | 1500   | 2500   | 300/600     | 900 | 2000   | 3000   | 5000   |
| R11              |                  | 1/2"    |        |        |        |             |     |        |        |        |
| R12              |                  |         | 1/2"   | 1/2"   |        |             |     |        |        |        |
| R13              |                  | 3/4"    |        |        | 1/2"   |             |     |        |        |        |
| R14              |                  |         | 3/4"   | 3/4"   |        |             |     |        |        |        |
| R15              | 1"               |         |        |        |        |             |     |        |        |        |
| R16              |                  | 1"      | 1"     | 1"     | 3/4"   |             |     | 1"     | 1"     | 1"     |
| R17              | 1 1/4"           |         |        |        |        |             |     |        |        |        |
| R18              |                  | 1 1/4"  | 1 1/4" | 1 1/4" | 1"     |             |     | 1 1/4" | 1 1/4" | 1 1/4" |
| R19              | 1 1/2"           |         |        |        |        |             |     |        |        |        |
| R20              |                  | 1 1/2"  | 1 1/2" | 1 1/2" |        |             |     | 1 1/2" | 1 1/2" | 1 1/2" |
| R21              |                  |         |        |        | 1 1/4" |             |     |        |        |        |
| R22              | 2"               |         |        |        |        |             |     |        |        |        |
| R23              |                  | 2"      |        |        | 1 1/2" |             |     | 2"     |        |        |
| R24              |                  |         | 2"     | 2"     |        |             |     |        | 2"     | 2"     |
| R25              | 2 1/2"           |         |        |        |        |             |     |        |        |        |
| R26              |                  | 2 1/2"  |        |        | 2"     |             |     | 2 1/2" |        |        |
| R27              |                  |         | 2 1/2" | 2 1/2" |        |             |     |        | 2 1/2" | 2 1/2" |
| R28              |                  |         |        |        | 2 1/2" |             |     |        |        |        |
| R29              | 3"               |         |        |        |        |             |     |        |        |        |
| R30              |                  | 3"      |        |        |        |             |     |        |        |        |
| R31              |                  | 3"      | 3"     |        |        |             |     | 3"     | 3"     |        |
| R32              |                  |         |        |        | 3"     |             |     |        |        |        |
| R33              | 3 1/2"           |         |        |        |        |             |     |        |        |        |
| R34              |                  | 3 1/2"  |        |        |        |             |     |        |        |        |
| R35              |                  |         |        | 3"     |        |             |     |        |        | 3"     |
| R36              | 4"               |         |        |        |        |             |     |        |        |        |
| R37              |                  | 4"      | 4"     |        |        |             |     | 4"     | 4"     | 3 1/2" |
| R38              |                  |         |        |        | 4"     |             |     |        |        |        |
| R39              |                  |         |        | 4"     |        |             |     |        |        | 4"     |
| R40              | 5"               |         |        |        |        |             |     |        |        |        |
| R41              |                  | 5"      | 5"     |        |        |             |     | 5"     | 5"     |        |
| R42              |                  |         |        |        | 5"     |             |     |        |        |        |
| R43              | 6"               |         |        |        |        |             |     |        |        |        |
| R44              |                  |         |        | 5"     |        |             |     |        |        | 5"     |
| R45              |                  | 6"      | 6"     |        |        |             |     | 6"     | 6"     |        |
| R46              |                  |         |        | 6"     |        |             |     |        |        | 6"     |
| R47              |                  |         |        |        | 6"     |             |     |        |        |        |
| R48              | 8"               |         |        |        |        |             |     |        |        |        |
| R49              |                  | 8"      | 8"     |        |        |             |     | 8"     | 8"     |        |
| R50              |                  |         |        | 8"     |        |             |     |        |        | 8"     |
| R51              |                  |         |        |        | 8"     |             |     |        |        |        |
| R52              | 10"              |         |        |        |        |             |     |        |        |        |
| R53              |                  | 10"     | 10"    |        |        |             |     | 10"    | 10"    |        |
| R54              |                  |         |        | 10"    |        |             |     |        |        | 10     |
| R55              |                  |         |        |        | 10"    |             |     |        |        |        |
| R56              | 12"              |         |        |        |        |             |     |        |        |        |
| R57              |                  | 12"     | 12"    |        |        | 12"         | 12" | 12"    | 12"    |        |

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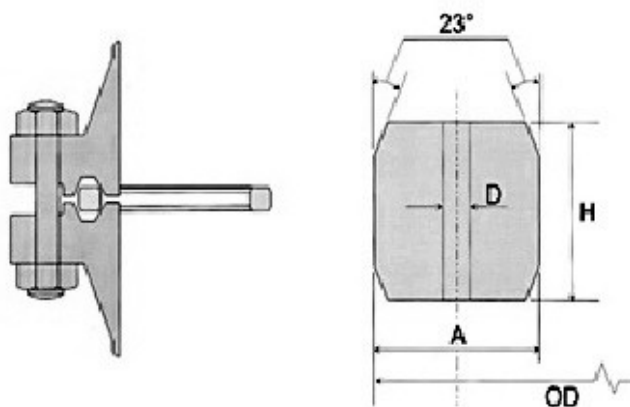
| NOMINAL DIAMETER |                  |         |     |      |      |             |     |        |      |        |
|------------------|------------------|---------|-----|------|------|-------------|-----|--------|------|--------|
| type             | ASME/ANSI B 16.5 |         |     |      |      | ASME B16.47 |     | API 6B |      |        |
| R                | 150              | 300/600 | 900 | 1500 | 2500 | 300/600     | 900 | 2000   | 3000 | 5000   |
| R58              |                  |         |     | 12"  |      |             |     |        |      |        |
| R59              | 14"              |         |     |      |      |             |     |        |      |        |
| R60              |                  |         |     |      | 12"  |             |     |        |      |        |
| R61              |                  | 14"     |     |      |      | 14"         |     | 14"    | 14"  |        |
| R62              |                  |         | 14" |      |      |             | 14" |        |      |        |
| R63              |                  |         |     | 14"  |      |             |     |        |      |        |
| R64              | 16"              |         |     |      |      |             |     |        |      |        |
| R65              |                  | 16"     |     |      |      | 16"         |     | 16"    |      |        |
| R66              |                  |         | 16" |      |      |             | 16" |        | 16"  |        |
| R67              |                  |         |     | 16"  |      |             |     |        |      |        |
| R68              | 18"              |         |     |      |      |             |     |        |      |        |
| R69              |                  | 18"     |     |      |      | 18"         |     | 18"    |      |        |
| R70              |                  |         | 18" |      |      |             | 18" |        | 18"  |        |
| R71              |                  |         |     | 18"  |      |             |     |        |      |        |
| R72              | 20"              |         |     |      |      |             |     |        |      |        |
| R73              |                  | 20"     |     |      |      | 20"         |     | 20"    |      |        |
| R74              |                  |         | 20" |      |      |             | 20" |        | 20"  |        |
| R75              |                  |         |     | 20"  |      |             |     |        |      |        |
| R76              | 24"              |         |     |      |      |             |     |        |      |        |
| R77              |                  | 24"     |     |      |      | 24"         |     |        |      |        |
| R78              |                  |         | 24" |      |      |             | 24" |        |      |        |
| R79              |                  |         |     | 24"  |      |             |     |        |      |        |
| R80              |                  |         |     |      | 22"  |             |     |        |      |        |
| R81              |                  |         |     |      |      | 22"         |     |        |      |        |
| R82              |                  |         |     |      |      |             |     |        |      | 1"     |
| R84              |                  |         |     |      |      |             |     |        |      | 1 1/2" |
| R85              |                  |         |     |      |      |             |     |        |      | 2"     |
| R86              |                  |         |     |      |      |             |     |        |      | 2 1/2" |
| R87              |                  |         |     |      |      |             |     |        |      | 3"     |
| R88              |                  |         |     |      |      |             |     |        |      | 4"     |
| R89              |                  |         |     |      |      |             |     |        |      | 3 1/2" |
| R90              |                  |         |     |      |      |             |     |        |      | 5"     |
| R91              |                  |         |     |      |      |             |     |        |      | 10"    |
| R92              |                  |         |     |      |      |             |     |        |      |        |
| R93              |                  |         |     |      |      | 26"         |     |        |      |        |
| R94              |                  |         |     |      |      | 28"         |     |        |      |        |
| R95              |                  |         |     |      |      | 30"         |     |        |      |        |
| R96              |                  |         |     |      |      | 32"         |     |        |      |        |
| R97              |                  |         |     |      |      | 34"         |     |        |      |        |
| R98              |                  |         |     |      |      | 36"         |     |        |      |        |
| R99              |                  |         |     |      |      |             |     | 8"     | 8"   |        |
| R100             |                  |         |     |      |      |             | 26" |        |      |        |
| R101             |                  |         |     |      |      |             | 28" |        |      |        |
| R102             |                  |         |     |      |      |             | 30" |        |      |        |
| R103             |                  |         |     |      |      |             | 32" |        |      |        |
| R104             |                  |         |     |      |      |             | 34" |        |      |        |
| R105             |                  |         |     |      |      |             | 36" |        |      |        |

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| NOMINAL DIAMETER |          |        |      |         |       |
|------------------|----------|--------|------|---------|-------|
| API Std 6A       |          |        |      |         | type  |
| 2000             | 3000     | 5000   | 2900 | 5000    | RX    |
| 11/2             | 11/02/16 | 11/2   |      | 21/16   | RX20  |
| 2                |          |        |      |         | RX23  |
|                  | 2        | 2      |      |         | RX24  |
|                  |          | 31/8   |      | 31/8    | RX25  |
| 21/12            |          |        |      |         | RX26  |
|                  | 21/2     | 21/2   |      |         | RX27  |
| 3                | 3        |        |      |         | RX31  |
|                  |          | 3      |      |         | RX35  |
| 4                | 4        |        |      |         | RX37  |
|                  |          | 4      |      |         | RX39  |
| 5                | 5        |        |      |         | RX41  |
|                  |          | 5      |      |         | RX44  |
| 6                | 6        |        |      |         | RX45  |
|                  |          | 6      |      |         | RX46  |
|                  |          | 8*     |      |         | RX47  |
| 8                | 8        |        |      |         | RX49  |
|                  |          | 8*     |      |         | RX50  |
| 10               | 10       |        |      |         | RX53  |
|                  |          | 10     |      |         | RX54  |
| 12               | 12       |        |      |         | RX57  |
|                  |          | 14     |      |         | RX63  |
| 16               |          |        |      |         | RX65  |
|                  | 16       |        |      |         | RX66  |
| 18               |          |        |      |         | RX69  |
|                  | 18       |        |      |         | RX70  |
| 20               |          |        |      |         | RX73  |
|                  | 20       |        |      |         | RX74  |
|                  |          |        | 1    |         | RX82  |
|                  |          |        | 11/2 |         | RX84  |
|                  |          |        | 2    |         | RX85  |
|                  |          |        | 21/2 |         | RX86  |
|                  |          |        | 3    |         | RX87  |
|                  |          |        | 4    |         | RX88  |
|                  |          |        | 31/2 |         | RX89  |
|                  |          |        | 5    |         | RX90  |
|                  |          |        | 10   |         | RX91  |
| 8*               | 8*       |        |      |         | RX99  |
|                  |          | 13/8   |      | 11/8 A  | RX201 |
|                  |          | 113/16 |      | 19/16 A | RX205 |
|                  |          | 41/16  |      | 41/16 A | RX215 |

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| NOMINAL DIAMETER |       |       |        |        |        |       |
|------------------|-------|-------|--------|--------|--------|-------|
| API Std 6A       |       |       |        |        |        | type  |
| 2000             | 3000  | 5000  | 10000  | 15000  | 20000  | BX    |
|                  |       |       | 111/16 | 111/16 |        | BX150 |
|                  |       |       | 113/16 | 113/16 | 113/16 | BX151 |
|                  |       |       | 21/16  | 21/16  | 21/16  | BX152 |
|                  |       |       | 29/16  | 29/16  | 29/16  | BX153 |
|                  |       |       | 31/16  | 31/16  | 31/16  | BX154 |
|                  |       |       | 41/16  | 41/16  | 41/16  | BX155 |
|                  |       |       | 71/16  | 71/16  | 71/16  | BX156 |
|                  |       |       | 9      | 9      | 9      | BX157 |
|                  |       |       | 11     | 11     | 11     | BX158 |
|                  |       |       | 135/8  | 135/8  | 135/8  | BX159 |
|                  |       | 135/8 |        |        |        | BX160 |
|                  |       | 163/4 |        |        |        | BX161 |
|                  |       | 163/4 | 163/4  | 163/4  |        | BX162 |
|                  |       | 183/4 |        |        |        | BX163 |
|                  |       |       | 183/4  | 183/4  |        | BX164 |
|                  |       | 211/4 |        |        |        | BX165 |
|                  |       |       | 211/4  |        |        | BX166 |
| 263/4            |       |       |        |        |        | BX167 |
|                  | 263/4 |       |        |        |        | BX168 |
|                  |       |       | 51/8   |        |        | BX169 |
|                  |       |       | 65/8   | 65/8   |        | BX170 |
|                  |       |       | 89/16  | 89/16  |        | BX171 |
|                  |       |       | 115/32 | 115/32 |        | BX172 |
| 30               | 30    |       |        |        |        | BX303 |