



## GRPP hinged sleeve

# Hinged sleeve female threaded outlet ITEM 137



| REFERENCIA | DESCRIPCION                           | Peso<br>líquido | Volume<br>(m³) | contenido.peso<br>bruto | Unidades<br>por lote |
|------------|---------------------------------------|-----------------|----------------|-------------------------|----------------------|
| 1005014    | COLLARIN BISAGRA 225 S R/H REF 1 1/2" | 3.659           | 0.04836        | 8.01                    | 2                    |
| 1005015    | COLLARIN BISAGRA 225 S R/H REF 2"     | 3.009           | 0.04836        | 8.20                    | 2                    |
| 1005016    | COLLARIN BISAGRA 225 S R/H REF 2 1/2" | 3.633           | 0.04836        | 7.96                    | 2                    |
| 1005017    | COLLARIN BISAGRA 225 S R/H REF 3"     | 3.671           | 0.04836        | 8.03                    | 2                    |
| 1005018    | COLLARIN BISAGRA 225 S R/H REF 4"     | 3.826           | 0.04836        | 8.34                    | 2                    |
| 1005019    | COLLARIN BISAGRA 250 S R/H REF 1 1/2" | 4.051           | 0.04836        | 8.79                    | 2                    |
| 1005025    | COLLARIN BISAGRA 315 S R/H REF 2"     | 6.408           | 0.04880        | 7.00                    | 1                    |
| 1005026    | COLLARIN BISAGRA 315 S R/H REF 2 1/2" | 6.483           | 0.04880        | 7.07                    | 1                    |
| 1005027    | COLLARIN BISAGRA 315 S R/H REF 3"     | 6.563           | 0.04880        | 7.15                    | 1                    |
| 1005028    | COLLARIN BISAGRA 315 S R/H REF 4"     | 6.773           | 0.04880        | 7.36                    | 1                    |
| 1005063    | COLLARIN BISAGRA 250 S R/H 1/2"       | 3.900           | 0.04836        | 8.64                    | 2                    |
| 1005064    | COLLARIN BISAGRA 250 S R/H 3/4"       | 4.063           | 0.04836        | 8.82                    | 2                    |
| 1005065    | COLLARIN BISAGRA 250 S R/H 1"         | 1.340           | 0.04836        | 8.78                    | 2                    |
| 1005066    | COLLARIN BISAGRA 250 S R/H 1 1/4"     | 4.066           | 0.04836        | 8.82                    | 2                    |
| 1005068    | COLLARIN BISAGRA 250 S R/H REF 2"     | 4.128           | 0.04836        | 8.95                    | 2                    |
| 1005069    | COLLARIN BISAGRA 250 S R/H REF 2 1/2" | 4.058           | 0.04836        | 8.78                    | 2                    |
| 1005070    | COLLARIN BISAGRA 250 S R/H REF 3"     | 4.086           | 0.04836        | 8.86                    | 2                    |
| 1005071    | COLLARIN BISAGRA 250 S R/H REF 4"     | 4.201           | 0.04836        | 9.09                    | 2                    |
| 1005072    | COLLARIN BISAGRA 315 S R/H REF 1 1/2" | 6.472           | 0.04880        | 7.06                    | 1                    |
| 1005200    | COLLARIN BISAGRA 225 S R/H 1/2"       | 3.684           | 0.04836        | 8.03                    | 2                    |
| 1005201    | COLLARIN BISAGRA 225 S R/H 3/4"       | 3.509           | 0.04836        | 7.86                    | 2                    |
| 1005202    | COLLARIN BISAGRA 225 S R/H 1"         | 3.671           | 0.04836        | 8.01                    | 2                    |
| 1005203    | COLLARIN BISAGRA 225 S R/H 1 1/4"     | 3.506           | 0.04836        | 7.86                    | 2                    |



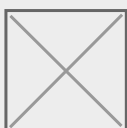


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| REFERENCIA | DESCRIPCION                           | Peso líquido | Volumen (m³) | Peso bruto | Unidades por lote |
|------------|---------------------------------------|--------------|--------------|------------|-------------------|
| 1005210    | COLLARIN BISAGRA 315 S R/H 1/2"       | 6.508        | 0.04880      | 7.10       | 1                 |
| 1005211    | COLLARIN BISAGRA 315 S R/H 3/4"       | 6.508        | 0.04880      | 7.10       | 1                 |
| 1005212    | COLLARIN BISAGRA 315 S R/H 1"         | 6.478        | 0.04880      | 7.07       | 1                 |
| 1005213    | COLLARIN BISAGRA 315 S R/H 1 1/4"     | 6.433        | 0.04880      | 7.02       | 1                 |
| 1005360    | COLLARIN BISAGRA 160 S R/H 1/2"       | 3.266        | 0.04460      | 7.29       | 2                 |
| 1005361    | COLLARIN BISAGRA 160 S R/H 3/4"       | 3.341        | 0.04460      | 7.44       | 2                 |
| 1005362    | COLLARIN BISAGRA 160 S R/H 1"         | 3.208        | 0.03648      | 7.01       | 2                 |
| 1005363    | COLLARIN BISAGRA 160 S R/H 1 1/4"     | 3.129        | 0.04460      | 7.09       | 2                 |
| 1005364    | COLLARIN BISAGRA 160 S R/H REF 1 1/2" | 3.231        | 0.04460      | 7.22       | 2                 |
| 1005365    | COLLARIN BISAGRA 160 S R/H REF 2"     | 3.269        | 0.03648      | 7.16       | 2                 |
| 1005366    | COLLARIN BISAGRA 160 S R/H REF 2 1/2" | 3.208        | 0.04460      | 7.25       | 2                 |
| 1005367    | COLLARIN BISAGRA 160 S R/H REF 3"     | 3.196        | 0.03648      | 7.15       | 2                 |
| 1005368    | COLLARIN BISAGRA 160 S R/H REF 4"     | 3.443        | 0.04460      | 7.58       | 2                 |
| 1005451    | COLLARIN BISAGRA 200 S R/H 1/2"       | 3.385        | 0.04460      | 7.50       | 2                 |
| 1005452    | COLLARIN BISAGRA 200 S R/H 3/4"       | 3.332        | 0.04460      | 7.42       | 2                 |
| 1005453    | COLLARIN BISAGRA 200 S R/H 1"         | 3.356        | 0.04460      | 7.47       | 2                 |
| 1005454    | COLLARIN BISAGRA 200 S R/H 1 1/4"     | 3.166        | 0.04460      | 7.09       | 2                 |
| 1005455    | COLLARIN BISAGRA 200 S R/H REF 1 1/2" | 3.203        | 0.04460      | 7.24       | 2                 |
| 1005456    | COLLARIN BISAGRA 200 S R/H REF 2"     | 3.323        | 0.04460      | 7.40       | 2                 |
| 1005457    | COLLARIN BISAGRA 200 S R/H REF 2 1/2" | 3.236        | 0.04460      | 7.23       | 2                 |
| 1005458    | COLLARIN BISAGRA 200 S R/H REF 3"     | 3.383        | 0.04460      | 7.52       | 2                 |
| 1005459    | COLLARIN BISAGRA 200 S R/H REF 4"     | 3.538        | 0.04460      | 7.77       | 2                 |
| 1005481    | COLLARIN BISAGRA 400 S R/H 1/2"       | 6.873        | 0.06347      | 7.77       | 1                 |



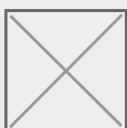


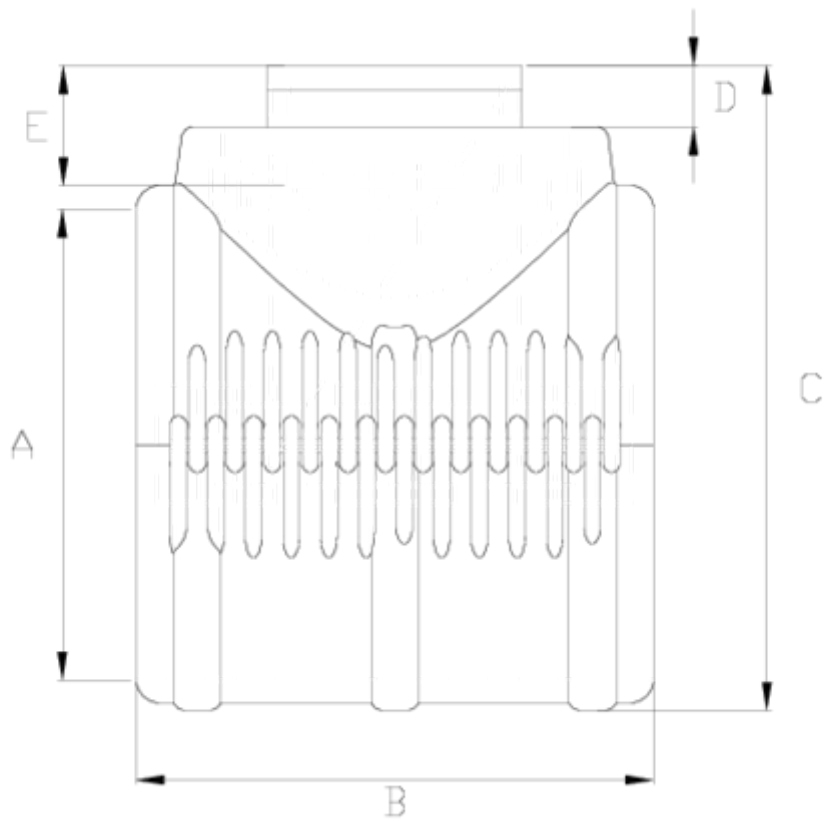
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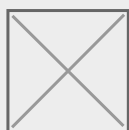
| REFERENCIA | DESCRIPCION                           | Peso líquido | Volumen (m³) | Peso bruto | Unidades por lote |
|------------|---------------------------------------|--------------|--------------|------------|-------------------|
| 1005482    | COLLARIN BISAGRA 400 S R/H 3/4"       | 6.853        | 0.06347      | 7.75       | 1                 |
| 1005483    | COLLARIN BISAGRA 400 S R/H 1"         | 6.833        | 0.06347      | 7.73       | 1                 |
| 1005484    | COLLARIN BISAGRA 400 S R/H 1 1/4"     | 6.814        | 0.06347      | 7.71       | 1                 |
| 1005485    | COLLARIN BISAGRA 400 S R/H REF 1 1/2" | 6.794        | 0.06347      | 7.69       | 1                 |
| 1005486    | COLLARIN BISAGRA 400 S R/H REF 2"     | 6.956        | 0.06347      | 7.76       | 1                 |
| 1005487    | COLLARIN BISAGRA 400 S R/H REF 2 1/2" | 6.796        | 0.06347      | 7.60       | 1                 |
| 1005488    | COLLARIN BISAGRA 400 S R/H REF 3"     | 6.921        | 0.06347      | 7.72       | 1                 |
| 1005489    | COLLARIN BISAGRA 400 S R/H REF 4"     | 6.820        | 0.06347      | 7.61       | 1                 |





## ITEM 137 | Hinged sleeve female threaded outlet

| C??DIGO | f tubo | f salida | PESOS | A   | B   | C   | D  | E  | PN  | TIPO ROSCA |
|---------|--------|----------|-------|-----|-----|-----|----|----|-----|------------|
| 05360   | 160    | 1/2"     | 3188  | 160 | 225 | 225 | 9  | 16 | PN6 | BSP        |
| 05361   | 160    | 3/4"     | 3168  | 160 | 225 | 225 | 9  | 19 | PN6 | BSP        |
| 05362   | 160    | 1"       | 3148  | 160 | 225 | 225 | 9  | 22 | PN6 | BSP        |
| 05363   | 160    | 1 1/4"   | 3129  | 160 | 225 | 225 | 9  | 26 | PN6 | BSP        |
| 05364   | 160    | 1 1/2"   | 3109  | 160 | 225 | 225 | 9  | 31 | PN6 | BSP        |
| 05365   | 160    | 2"       | 3172  | 160 | 225 | 232 | 16 | 38 | PN6 | BSP        |
| 05366   | 160    | 2 1/2"   | 3208  | 160 | 225 | 238 | 22 | 44 | PN6 | BSP        |
| 05367   | 160    | 3"       | 3203  | 160 | 225 | 245 | 29 | 51 | PN6 | BSP        |
| 05368   | 160    | 4"       | 3310  | 160 | 225 | 280 | 64 | 61 | PN6 | BSP        |
| 05451   | 200    | 1/2"     | 3246  | 200 | 227 | 259 | 9  | 16 | PN6 | BSP        |





ITEM 137 | Hinged sleeve female threaded outlet

|       |     |        |      |     |     |     |    |    |     |     |
|-------|-----|--------|------|-----|-----|-----|----|----|-----|-----|
| 05452 | 200 | 3/4"   | 3226 | 200 | 227 | 259 | 9  | 19 | PN6 | BSP |
| 05453 | 200 | 1"     | 3206 | 200 | 227 | 259 | 9  | 22 | PN6 | BSP |
| 05454 | 200 | 1 1/4" | 3187 | 200 | 227 | 259 | 9  | 26 | PN6 | BSP |
| 05455 | 200 | 1 1/2" | 3167 | 200 | 227 | 259 | 9  | 31 | PN6 | BSP |
| 05456 | 200 | 2"     | 3230 | 200 | 227 | 266 | 16 | 38 | PN6 | BSP |
| 05457 | 200 | 2 1/2" | 3266 | 200 | 227 | 272 | 22 | 44 | PN6 | BSP |
| 05458 | 200 | 3"     | 3261 | 200 | 227 | 279 | 29 | 51 | PN6 | BSP |
| 05459 | 200 | 4"     | 3368 | 200 | 227 | 314 | 64 | 61 | PN6 | BSP |
| 05200 | 225 | 1/2"   | 3529 | 225 | 225 | 283 | 9  | 16 | PN6 | BSP |
| 05201 | 225 | 3/4"   | 3509 | 225 | 225 | 283 | 9  | 19 | PN6 | BSP |
| 05202 | 225 | 1"     | 3489 | 225 | 225 | 283 | 9  | 22 | PN6 | BSP |
| 05203 | 225 | 1 1/4" | 3470 | 225 | 225 | 283 | 9  | 26 | PN6 | BSP |
| 05014 | 225 | 1 1/2" | 3450 | 225 | 225 | 283 | 9  | 31 | PN6 | BSP |
| 05015 | 225 | 2"     | 3513 | 225 | 225 | 290 | 16 | 38 | PN6 | BSP |
| 05016 | 225 | 2 1/2" | 3549 | 225 | 225 | 296 | 22 | 44 | PN6 | BSP |
| 05017 | 225 | 3"     | 3544 | 225 | 225 | 303 | 29 | 51 | PN6 | BSP |
| 05018 | 225 | 4"     | 3651 | 225 | 225 | 338 | 64 | 61 | PN6 | BSP |
| 05063 | 250 | 1/2"   | 3900 | 250 | 239 | 308 | 9  | 16 | PN6 | BSP |
| 05064 | 250 | 3/4"   | 3880 | 250 | 239 | 308 | 9  | 19 | PN6 | BSP |
| 05065 | 250 | 1"     | 3860 | 250 | 239 | 308 | 9  | 22 | PN6 | BSP |
| 05066 | 250 | 1 1/4" | 3841 | 250 | 239 | 308 | 9  | 26 | PN6 | BSP |
| 05019 | 250 | 1 1/2" | 3821 | 250 | 239 | 308 | 9  | 31 | PN6 | BSP |
| 05068 | 250 | 2"     | 3884 | 250 | 239 | 315 | 16 | 38 | PN6 | BSP |
| 05069 | 250 | 2 1/2" | 3920 | 250 | 239 | 321 | 22 | 44 | PN6 | BSP |
| 05070 | 250 | 3"     | 3915 | 250 | 239 | 328 | 29 | 51 | PN6 | BSP |
| 05071 | 250 | 4"     | 4022 | 250 | 239 | 363 | 64 | 61 | PN6 | BSP |





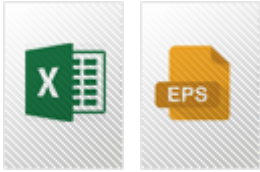
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|       |     |        |      |     |     |     |    |    |     |     |
|-------|-----|--------|------|-----|-----|-----|----|----|-----|-----|
| 05210 | 315 | 1/2"   | 5152 | 315 | 250 | 370 | 9  | 16 | PN6 | BSP |
| 05211 | 315 | 3/4"   | 5132 | 315 | 250 | 370 | 9  | 19 | PN6 | BSP |
| 05212 | 315 | 1"     | 5112 | 315 | 250 | 370 | 9  | 22 | PN6 | BSP |
| 05213 | 315 | 1 1/4" | 5093 | 315 | 250 | 370 | 9  | 26 | PN6 | BSP |
| 05072 | 315 | 1 1/2" | 5073 | 315 | 250 | 370 | 9  | 31 | PN6 | BSP |
| 05025 | 315 | 2"     | 5136 | 315 | 250 | 377 | 16 | 38 | PN6 | BSP |
| 05026 | 315 | 2 1/2" | 5172 | 315 | 250 | 383 | 22 | 44 | PN6 | BSP |
| 05027 | 315 | 3"     | 5167 | 315 | 250 | 390 | 29 | 51 | PN6 | BSP |
| 05028 | 315 | 4"     | 5274 | 315 | 250 | 425 | 64 | 61 | PN6 | BSP |
| 05481 | 400 | 1/2"   | 6873 | 400 | 282 | 474 | 9  | 16 | PN6 | BSP |
| 05482 | 400 | 3/4"   | 6853 | 400 | 282 | 474 | 9  | 19 | PN6 | BSP |
| 05483 | 400 | 1"     | 6833 | 400 | 282 | 474 | 9  | 22 | PN6 | BSP |
| 05484 | 400 | 1 1/4" | 6814 | 400 | 282 | 474 | 9  | 26 | PN6 | BSP |
| 05485 | 400 | 1 1/2" | 6794 | 400 | 282 | 474 | 9  | 31 | PN6 | BSP |
| 05486 | 400 | 2"     | 6857 | 400 | 282 | 481 | 16 | 38 | PN6 | BSP |
| 05487 | 400 | 2 1/2" | 6893 | 400 | 282 | 487 | 22 | 44 | PN6 | BSP |
| 05488 | 400 | 3"     | 6888 | 400 | 282 | 494 | 29 | 51 | PN6 | BSP |
| 05489 | 400 | 4"     | 6995 | 400 | 282 | 529 | 64 | 61 | PN6 | BSP |





## Documenta????o do Produto



## Certificados do Produto

## Certificados da Empresa

