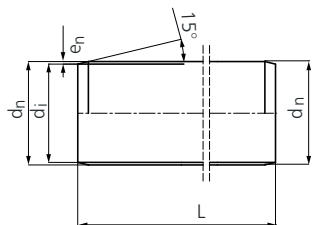


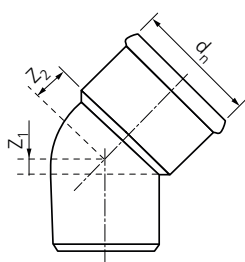
## Rury i kształtki do kanalizacji zewnętrznej PP

Sewer pipes and fittings of PP



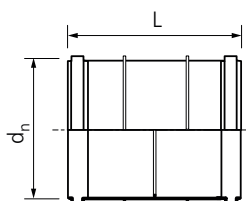
| Rura kanalizacyjna PP lita |            |            |      |        |      |
|----------------------------|------------|------------|------|--------|------|
| $d_n$ [mm]                 | $e_n$ [mm] | $d_i$ [mm] | L    | SN     | S    |
| 160                        | 5,5        | 149        | 3, 6 | 8      | 14   |
|                            | 6,2        | 147,6      |      | 10, 12 | 12,5 |
|                            | 7,3        | 145,4      |      | 16     | 10,5 |
| 200                        | 6,9        | 186,2      | 3, 6 | 8      | 14   |
|                            | 7,7        | 184,6      |      | 10, 12 | 12,5 |
|                            | 9,1        | 181,8      |      | 16     | 10,5 |
| 250                        | 8,6        | 232,8      | 3, 6 | 8      | 14   |
|                            | 9,6        | 230,8      |      | 10, 12 | 12,5 |
|                            | 11,4       | 227,2      |      | 16     | 10,5 |
| 315                        | 10,8       | 293,4      | 3, 6 | 8      | 14   |
|                            | 12,1       | 290,8      |      | 10, 12 | 12,5 |
|                            | 14,4       | 286,2      |      | 16     | 10,5 |
| 400                        | 13,7       | 372,6      | 3, 6 | 8      | 14   |
|                            | 15,3       | 369,4      |      | 10, 12 | 12,5 |
|                            | 18,2       | 363,6      |      | 16     | 10,5 |

PP sewer pipe without socket



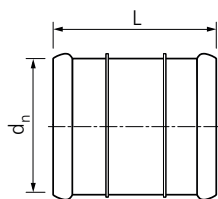
| Kolano z PP |              |            |            |
|-------------|--------------|------------|------------|
| $d_n$ [mm]  | $\alpha$ [°] | $Z_1$ [mm] | $Z_2$ [mm] |
| 160         | 15           | 12         | 31         |
|             | 30           | 25         | 43         |
|             | 45           | 38         | 56         |
|             | 90           | 87         | 104,5      |
| 200         | 15           | 16,5       | 36         |
|             | 30           | 30,5       | 50         |
|             | 45           | 45,5       | 65         |
|             | 90           | 101,5      | 121        |

PP Bend



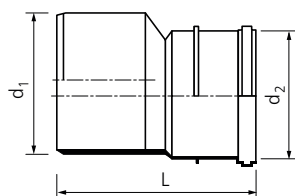
| Łącznik z PP |        |
|--------------|--------|
| $d_n$ [mm]   | L [mm] |
| 160          | 211    |
| 200          | 174    |
| 250          | 224    |
| 315          | 259    |

PP double socket



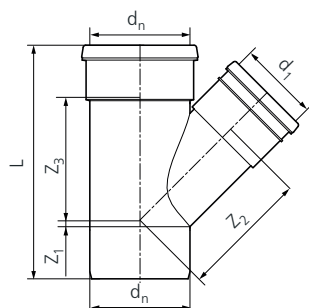
Nasuwka z PP

| $d_n$<br>[mm]    | L<br>[mm] |
|------------------|-----------|
| 160              | 211       |
| 200              | 174       |
| 250              | 224       |
| 315              | 259       |
| PP repair socket |           |



Redukcja z PP

| $d_1/d_2$<br>[mm] | L [mm] |
|-------------------|--------|
| 200/160           | 224    |
| PP reducer        |        |



Trójnik 45° z PP

| $d_n/d_1$<br>[mm] | $Z_1$<br>[mm] | $Z_2$<br>[mm] | $Z_3$<br>[mm] | L<br>[mm] |
|-------------------|---------------|---------------|---------------|-----------|
| 160/160           | 36,5          | 201           | 199           | 397       |
| 200/160           | 17            | 225           | 222           | 430       |
| 200/200           | 45,5          | 248           | 248           | 485       |
| PP Branch 45°     |               |               |               |           |