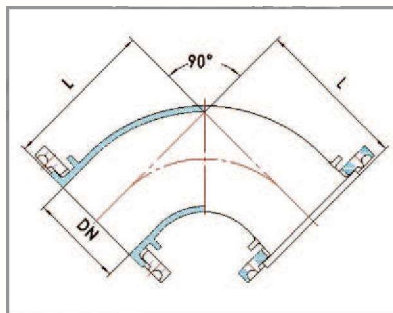


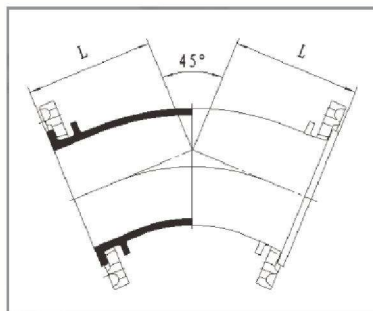
## Loose flange elbow 90°

| DN | L   | DN  | L   | DN  | L   | DN  | L   |
|----|-----|-----|-----|-----|-----|-----|-----|
| 40 | 119 | 65  | 165 | 125 | 176 | 250 | 322 |
| 50 | 128 | 80  | 143 | 150 | 195 | 300 | 357 |
| 60 | 138 | 100 | 157 | 200 | 234 | 400 | 468 |



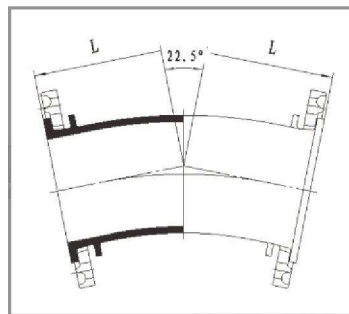
## Loose flange elbow 45°

| DN | L   | DN  | L   | DN  | L   |
|----|-----|-----|-----|-----|-----|
| 40 | 135 | 100 | 135 | 300 | 270 |
| 50 | 145 | 125 | 145 | 350 | 295 |
| 60 | 155 | 150 | 155 | 400 | 320 |
| 65 | 165 | 200 | 175 |     |     |
| 80 | 125 | 250 | 240 |     |     |



## Loose flange elbow 22,5°

| DN | L   | DN  | L   | DN  | L   |
|----|-----|-----|-----|-----|-----|
| 40 | 94  | 80  | 105 | 200 | 131 |
| 50 | 104 | 100 | 110 | 250 | 149 |
| 60 | 114 | 125 | 105 | 300 | 162 |
| 65 | 165 | 150 | 109 |     |     |



## Loose flange elbow 11,25°

| DN | L   | DN  | L   | DN  | L   |
|----|-----|-----|-----|-----|-----|
| 40 | 99  | 80  | 113 | 200 | 132 |
| 50 | 109 | 100 | 115 | 250 | 143 |
| 60 | 119 | 125 | 111 | 300 | 132 |
| 65 | 165 | 150 | 113 |     |     |

