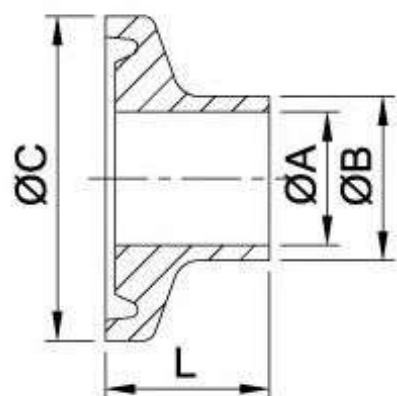
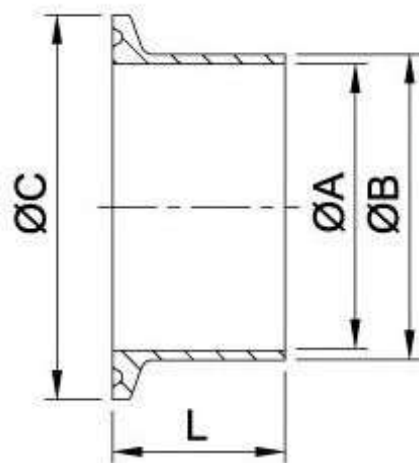


1/2"~3/4"

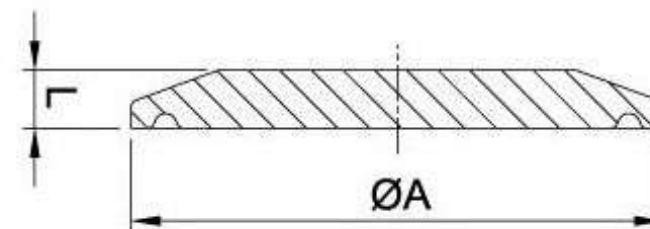


1.0"~12"



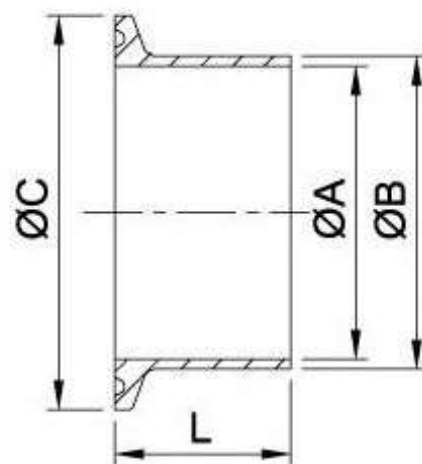
## Welding Ferrule

| 3A/SMS | 14WMP 14MMP |       |        | 14AMP |      |              |
|--------|-------------|-------|--------|-------|------|--------------|
| SIZE   | ØA          | ØB    | ØC     | L     | L    | L            |
| 1/4"   | 3.9         | 6.35  | 25     | 12.7  | 21.5 | 28.6         |
| 1/2"   | 9.4         | 12.7  | 25     | 12.7  | 21.5 | 28.6         |
| DN15   | 9.7         | 12.7  | 25.4   | 12.7  | 21.5 | 28.6         |
| 3/4"   | 15.75       | 19.05 | 25     | 12.7  | 21.5 | 28.6         |
| DN20   | 15.95       | 19.05 | 25.4   | 12.7  | 21.5 | 28.6         |
| 1"     | 22.1        | 25.4  | 50.5   | 12.7  | 21.5 | 28.6         |
| DN25   | 22.5        | 25    | 50.5   | —     | 21.5 | 28.6         |
| 1.25"  | 28.45       | 31.75 | 50.5   | 12.7  | 21.5 | 28.6         |
| 1.5"   | 34.8        | 38.1  | 50.5   | 12.7  | 21.5 | 28.6         |
| DN38   | 35.5        | 38.1  | 50.5   | —     | 21.5 | 28.6         |
| 2.0"   | 47.5        | 50.8  | 64     | 12.7  | 21.5 | 28.6         |
| DN51   | 48.5        | 51    | 64     | —     | 21.5 | 28.6         |
| 2.5"   | 60.2        | 63.5  | 77.5   | 12.7  | 21.5 | 28.6         |
| DN63.5 | 60.5        | 63.5  | 77.5   | —     | 21.5 | 28.6         |
| DN76   | 72.9        | 76.1  | 91     | —     | 21.5 | 28.6         |
| 3.0"   | 72.9        | 76.2  | 91     | 12.7  | 21.5 | 28.6         |
| DN104  | 100         | 104   | 119    | —     | 21.5 | 28.6         |
| 4.0"   | 97.4        | 101.6 | 119    | 15.8  | 21.5 | 28.6         |
| 6.0"   | 146.86      | 152.5 | 166.87 | —     | 21.5 | 28.6 or 38.1 |
| 8.0"   | 197.66      | 203.3 | 217.67 | —     | 21.5 | 28.6 or 38.1 |
| 10"    | 247.2       | 254   | 268.47 | —     | 21.5 | 28.6 or 38.1 |
| 12"    | 298         | 304.8 | 319.27 | —     | 21.5 | 28.6 or 38.1 |



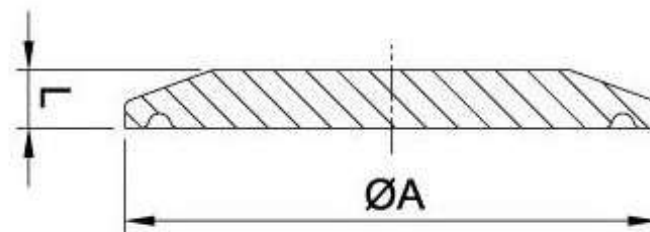
## BLANK 16AMP

| 3A        | ØA    | L    |
|-----------|-------|------|
| 1/2"~3/4" | 25    | 6    |
| A37       | 34    | 6.3  |
|           | 34    | 6.3  |
|           | 34    | 6.3  |
|           | 34    | 6.3  |
| 1.0"      | 50.5  | 6.3  |
| 1.5"      | 50.5  | 6.3  |
|           | 50.5  | 6.3  |
| 2.0"      | 64    | 6.3  |
| 2.5"      | 77.5  | 6.3  |
| 3.0"      | 91    | 6.3  |
|           | 106   | 6.3  |
| 4.0"      | 119   | 7.9  |
|           | 130   | 7.9  |
|           | 155   | 7.9  |
| 6.0"      | 166.8 | 11.1 |
|           | 183   | 11.1 |
| 8.0"      | 217.7 | 11.1 |
|           | 233.5 | 11.1 |
| 10"       | 268.5 | 11.1 |
| 12"       | 319.3 | 11.1 |



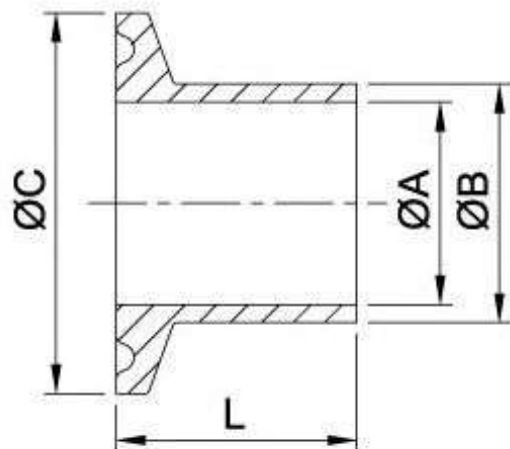
## DIN Ferrule

| SIZE    | DA   |       | DB   |       | ØC     | L    | L    |
|---------|------|-------|------|-------|--------|------|------|
|         | ØA   | ØB    | ØA   | ØB    |        |      |      |
| DN10    | 10   | 13    | 9    | 12    | 34     | 21.5 | 28.6 |
| DN15    | 16   | 19    | 15   | 18    | 34     | 21.5 | 28.6 |
| DN20    | 20   | 23    | 19   | 22    | 34     | 21.5 | 28.6 |
| DN28    | 26   | 29    | 25   | 28    | 50.5   | 21.5 | 28.6 |
| DN34    | 32   | 35    | 31   | 34    | 50.5   | 21.5 | 28.6 |
| DN40    | 38   | 41    | 37   | 40    | 50.5   | 21.5 | 28.6 |
| DN52    | 50   | 53    | 49   | 52    | 64     | 21.5 | 28.6 |
| DN70    | 66   | 70    | 66   | 70    | 91     | 21.5 | 28.6 |
| DN85    | 81   | 85    | 81   | 85    | 106    | 21.5 | 28.6 |
| DN101.6 | 97.6 | 101.6 | 97.6 | 101.6 | 119    | 21.5 | 28.6 |
| DN100   | 100  | 104   | 100  | 104   | 119    | 21.5 | 28.6 |
| DN125   | 125  | 129   | 125  | 129   | 155    | 21.5 | 28.6 |
| DN150   | 150  | 154   | 150  | 154   | 183    | 21.5 | 28.6 |
| DN200   | 200  | 204   | 200  | 204   | 233.5  | —    | 28.6 |
| DN250   | 250  | 254   | 250  | 254   | 268.47 | —    | 28.6 |
| DN300   | 300  | 304   | 300  | 304   | 319.27 | —    | 28.6 |



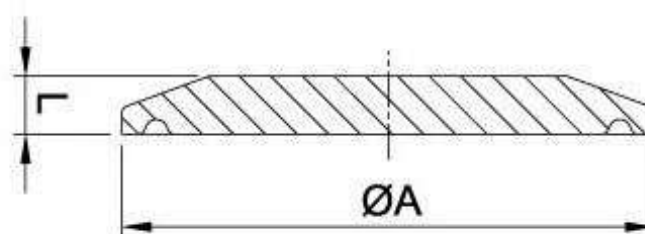
## BLANK 16AMP

| DIN   | ØA    | L    |
|-------|-------|------|
|       | 25    | 6    |
|       | 34    | 6.3  |
| DN10  | 34    | 6.3  |
| DN15  | 34    | 6.3  |
| DN20  | 34    | 6.3  |
| DN28  | 50.5  | 6.3  |
| DN34  | 50.5  | 6.3  |
| DN40  | 50.5  | 6.3  |
| DN52  | 64    | 6.3  |
| DN70  | 77.5  | 6.3  |
| DN80  | 91    | 6.3  |
| DN100 | 106   | 6.3  |
| DN100 | 119   | 7.9  |
|       | 130   | 7.9  |
| DN125 | 155   | 7.9  |
|       | 166.8 | 11.1 |
| DN150 | 183   | 11.1 |
|       | 217.7 | 11.1 |
| DN200 | 233.5 | 11.1 |
|       | 268.5 | 11.1 |
|       | 319.3 | 11.1 |



## ISO Ferrule

| SIZE  | ØA    | ØB    | ØC    | L    | L    |
|-------|-------|-------|-------|------|------|
| DN8   | 10.3  | 13.5  | 34    | 21.5 | 28.6 |
| DN12  | 14    | 17.5  | 34    | 21.5 | 28.6 |
| DN15  | 18.1  | 21.6  | 34    | 21.5 | 28.6 |
| DN20  | 23.7  | 26.9  | 50.5  | 21.5 | 28.6 |
| DN25  | 30.5  | 33.7  | 50.5  | 21.5 | 28.6 |
| DN32  | 39.2  | 42.4  | 50.5  | 21.5 | 28.6 |
| DN40  | 45.1  | 48.3  | 64    | 21.5 | 28.6 |
| DN50  | 56.3  | 60.3  | 77.5  | 21.5 | 28.6 |
| DN65  | 72.1  | 76.1  | 91    | 21.5 | 28.6 |
| DN80  | 84.9  | 88.9  | 106   | 21.5 | 28.6 |
| DN100 | 109.1 | 114.3 | 130   | 21.5 | 28.6 |
| DN125 | 133.7 | 139.7 | 155   | —    | 28.6 |
| DN150 | 162.3 | 168.3 | 183   | —    | 28.6 |
| DN200 | 211.1 | 219.1 | 233.5 | —    | 28.6 |



## BLANK 16AMP

| ISO   | ØA    | L    |
|-------|-------|------|
|       | 25    | 6    |
|       | 34    | 6.3  |
| DN8   | 34    | 6.3  |
| DN12  | 34    | 6.3  |
| DN15  | 34    | 6.3  |
| DN20  | 50.5  | 6.3  |
| DN25  | 50.5  | 6.3  |
| DN32  | 50.5  | 6.3  |
| DN40  | 64    | 6.3  |
| DN50  | 77.5  | 6.3  |
| DN65  | 91    | 6.3  |
| DN80  | 106   | 6.3  |
|       | 119   | 7.9  |
| DN100 | 130   | 7.9  |
| DN125 | 155   | 7.9  |
|       | 166.8 | 11.1 |
| DN150 | 183   | 11.1 |
|       | 217.7 | 11.1 |
| DN200 | 233.5 | 11.1 |
|       | 268.5 | 11.1 |
|       | 319.3 | 11.1 |