

# VulcaFlex

## Vulkanisierte Faltenbälge

## Moulded Bellows



Alle Maße in mm.  
Technische Änderung vorbehalten

*All dimensions in mm.  
Subject to change of specifications without notice.*

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## Einen Moment bitte ...

für ein paar nützliche Informationen.

1. Die Faltenbälge in diesem Katalog sind normalerweise sofort **ab Lager** lieferbar.
2. Die Buchstaben in der Artikelnummer weisen auf das Material hin, in dem die Faltenbälge standardmäßig lieferbar sind. **Bei Bedarf sind die Faltenbälge auch aus anderen Materialien lieferbar, z.B. aus CR (Chloropren), SI (Silikon), EPDM oder FKM (Viton®).**  
 Eine **Materialliste** finden Sie auf Seite 03.
3. Wenn Sie „Ihren“ Faltenbalg im Katalog nicht finden - kein Problem: wir fertigen nach Ihren Wünschen. Egal, welche Menge. **Anfrageformulare** finden Sie interaktiv auf unserer Website [www.mf-automation.com](http://www.mf-automation.com).
4. In der ersten Liste (Seite A1 bis A7) sind die Faltenbälge nach der **Artikelnummer** (Art.No.) geordnet.
5. In der zweiten Liste (Seite B1 bis B7) sind alle Faltenbälge nach dem **kleinsten Anschlussdurchmesser** sortiert.
6. Anschließend finden Sie die **Zeichnungen** der Faltenbälge nach dem kleinsten Anschlussdurchmesser geordnet.
7. Selbstverständlich liefern wir Ihnen auf Wunsch auch die passenden **Schlauchschellen**.  
 Alle Schlauchschellen siehe Seite S 01 (nach Seite B 7).



## Just a moment please...

for some useful bits of information.

1. The bellows described in this catalog are normally available **from stock**.
2. The letters in our article numbers specify the material in which the bellows are normally available. **If required, they can also be supplied from other materials, e.g. made of CR (chloroprene), SI (silicone), EPDM or FKM (Viton®).**  
 A **list of materials** you will find on page 04.
3. Should you be unable to find the bellows you need - no problem. We will make it to your specifications, regardless of quantity. For **inquiry forms** visit our website [www.mf-automation.com](http://www.mf-automation.com).
4. In the first list (page A1 to A7) the bellows are sorted according to **article numbers** (Art.No.)
4. In the next list (page B1 to B7) all bellows are classified by **smallest fitting diameter**.
6. Than you will find **drawings** of the bellows, sorted according to smallest fitting diameter.
7. We will, of course, supply suitable **hose clamps** as well.  
 All hose clamps see page S 01 (behind page B 7).



## Typische Eigenschaften von Elastomeren

Wir sind so flexibel wie unsere Faltenbälge. Die meisten, in diesem Katalog sind aus NBR (Nitrilkautschuk). Sie sind bei Bedarf auch aus anderen Materialien lieferbar, z.B. aus CR (Chloropren), SI (Silikon), EPDM oder FKM (Viton®)

|   | Nitrilkautschuk               | Chloropren-<br>kautschuk | Ethylen-<br>Polypropylen-Dien-<br>kautschuk | Silikonkautschuk     | Fluorkautschuk     |
|---|-------------------------------|--------------------------|---|----------------------|--------------------|
| Internationales Kurzzeichen                         | <b>NBR</b>                    | <b>CR</b>                | <b>EPDM</b>                                 | <b>SI</b>            | <b>FKM</b>         |
| Handelsnamen (Beispiele)                            | Perbunan                      | Chloroprene<br>Neoprene  | Buna EP<br>Keltan                           | Silicone<br>Silastic | Viton®<br>(Dupont) |
| <b>Mechanische Eigenschaften bei Raumtemperatur</b> |                               |                          |   |                      |                    |
| Reißfestigkeit                                      | ②                             | ②                        | ③   | ③                    | ③                  |
| Weiterreißwiderstand                                | ③                             | ②                        | ③   | ③                    | ④                  |
| Abriebwiderstand                                    | ①                             | ③                        | ③   | ④                    | ④                  |
| Widerstand gegen<br>bleibende Verformung            | bei hohen<br>Temperaturen     | ③                        | ②   | ①                    | ①                  |
|   | bei niedrigen<br>Temperaturen | ③                        | ③   | ①                    | ④                  |
| <b>Thermisches Verhalten</b>                        |                               |                          |   |                      |                    |
| Kälteflexibel bis °C                                | - 30                          | - 35                     | - 50  | - 65                 | - 15               |
| Dauereinsatztemperatur max. in °C                   | +100                          | +100                     | +130  | +200                 | +230               |
| <b>Beständigkeit</b>                                |                               |                          |   |                      |                    |
| Benzin  | ②                             | ④                        | ⑤   | ④                    | ①                  |
| Mineralöl (bei 100°C)                               | ①                             | ③                        | ⑤   | ③                    | ①                  |
| Säuren (25%ige Schwefelsäure bei 50°C)              | ③                             | ②                        | ①   | ③                    | ①                  |
| Laugen (50%ige Natronlauge bei 50°C)                | ④                             | ②                        | ①   | ⑤                    | ①                  |
| Wasser (bei 100°C)                                  | ③                             | ③                        | ①   | ②                    | ②                  |
| Witterung und Ozon                                  | ④                             | ①                        | ①   | ①                    | ①                  |
| Luftundurchlässigkeit                               | ②                             | ③                        | ③   | ⑤                    | ②                  |
| Alterung  | ②                             | ②                        | ①   | ①                    | ①                  |

① = sehr gut    ② = gut    ③ = befriedigend    ④ = unbefriedigend    ⑤ = nicht geeignet

Die angegebenen Werte sind nur richtungsweisend und entbinden den Kunden nicht von der Verantwortung eigene Versuche zur Evaluierung der Einsatzfähigkeit durchzuführen.

Alle Angaben sind nach unserem Wissen korrekt. Wir übernehmen keine Gewährleistung auf die Richtigkeit und Vollständigkeit der Angaben.

## Typical Characteristics of Elastomers

We are just flexible as our bellows. Most of the bellows described in this catalog are normally made of NBR (nitrile rubber). If required, they can also be supplied from other materials, e.g. made of CR (chloroprene), SI (silicone), EPDM or FKM (Viton®).

|   | Nitril Rubber        | Chloroprene Rubber      | Ethylene Polypropylene Diene Rubber | Silicone Rubber | Fluororubber       |
|---|----------------------|-------------------------|-------------------------------------|-----------------|--------------------|
| International abbreviation                            | <b>NBR</b>           | <b>CR</b>               | <b>EPDM</b>                         | <b>Si</b>       | <b>FKM</b>         |
| Trade name (e.g.)                                     | Perbunan             | Chloroprene<br>Neoprene | Buna EP<br>Keltan                   | Silicone        | Viton®<br>(Dupont) |
| <b>Mechanical characteristics at room temperature</b> |                      |                         |                                     |                 |                    |
| Tensile strength                                      | ②                    | ②                       | ③                                   | ③               | ③                  |
| Tear strength / tear resistance                       | ③                    | ②                       | ③                                   | ③               | ④                  |
| Abrasion resistance                                   | ①                    | ③                       | ③                                   | ④               | ④                  |
| Compression set after constant strain                 | at high temperatures | ③                       | ②                                   | ①               | ①                  |
|   | at low temperatures  | ③                       | ③                                   | ①               | ④                  |
| <b>Thermal properties</b>                             |                      |                         |                                     |                 |                    |
| Low-temperature flexibility down to °C                | - 30                 | - 35                    | - 50                                | - 65            | - 15               |
| Max. service temperature in °C                        | +100                 | +100**                  | +130*                               | +200            | +230               |
| <b>Resistance against:</b>                            |                      |                         |                                     |                 |                    |
| Gasoline  | ②                    | ④                       | ⑤                                   | ④               | ①                  |
| Mineral oil (at 100°C)                                | ①                    | ③                       | ⑤                                   | ③               | ①                  |
| Acids (25% sulphuric acid at 50°C)                    | ③                    | ②                       | ①                                   | ③               | ①                  |
| Lyes (50% caustic soda at 50°C)                       | ④                    | ②                       | ①                                   | ⑤               | ①                  |
| Water (at 100°C)                                      | ③                    | ③                       | ①                                   | ②               | ②                  |
| Weathering and ozone                                  | ④                    | ①                       | ①                                   | ①               | ①                  |
| Air impermeability                                    | ②                    | ③                       | ③                                   | ⑤               | ②                  |
| Ageing  | ②                    | ②                       | ①                                   | ①               | ①                  |

① = very good    ② = good    ③ = satisfactory    ④ = not satisfactory    ⑤ = insufficient

This table can only serve as a rough guideline for the properties of the different types of elastomers.

# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| Art. No.   | Kleinstes Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größtes Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|------------|--|--|---|--|--|---------------------------------|
| F 1001 NBR | 24   | 24   | 93  | 27   | 55   | 19                              |
| F 1002 NBR | 41   | 41   | 118   | 0  | 46   | 36                              |
| F 1003 NBR | 22   | 22   | 58  | 0  | 10   | 17                              |
| F 1004 NBR | 27   | 27   | 104   | 0  | 24   | 21                              |
| F 1005 NBR | 41   | 41   | 162   | 0  | 0  | 36                              |
| F 1006 NBR | 22   | 27   | 102   | 32   | 110  | 18                              |
| F 1008 NBR | 26   | 34   | 90  | 35   | 100  | 21                              |
| F 1010 NBR | 12   | 16   | 30  | 8  | 30   | 8                               |
| F 1010 Si  | 12   | 16   | 30  | 8  | 30   | 8                               |
| F 1011 NBR | 4  | 11   | 45  | 9  | 18   | 1                               |
| F 1012 NBR | 22   | 30   | 180   | 65   | 180  | 18                              |
| F 1013 NBR | 21   | 32   | 125   | 45   | 120  | 17                              |
| F 1014 NBR | 39   | 39   | 200   | 80   | 240  | 34                              |
| F 1016 NBR | 52   | 52   | 195   | 75   | 170  | 44                              |
| F 1017 NBR | 23   | 95   | 190   | 50   | 250  | 19                              |
| F 1018 NBR | 21   | 30   | 115   | 36   | 120  | 17                              |
| F 1020 NBR | 35   | 43   | 180   | 52   | 220  | 29                              |
| F 1021 NBR | 58   | 61   | 130   | 25   | 180  | 46                              |
| F 1022 NBR | 7  | 17   | 32  | 10   | 23   | 3                               |
| F 1023 NBR | 7  | 17   | 52  | 25   | 32   | 3                               |
| F 1025 NBR | 48   | 66   | 66  | 15   | 65   | 40                              |
| F 1026 NBR | 37   | 56   | 75  | 25   | 130  | 31                              |
| F 1027 NBR | 60   | 60   | 130   | 30   | 170  | 47                              |
| F 1028 NBR | 28   | 47   | 64  | 14   | 55   | 22                              |
| F 1029 NBR | 22   | 47   | 67  | 18   | 55   | 18                              |
| F 1030 NBR | 48   | 84   | 100   | 42   | 90   | 40                              |
| F 1031 NBR | 60   | 70   | 300   | 80   | 385  | 47                              |
| F 1032 NBR | 9  | 24   | 25  | 1  | 7  | 5                               |
| F 1033 NBR | 20   | 64   | 35  | 9  | 40   | 16                              |
| F 1035 NBR | 4,5  | 7,5  | 16  | 3,5  | 8,5  | 1                               |
| F 1036 NBR | 37   | 40   | 125   | 43   | 160  | 31                              |
| F 1037 NBR | 11   | 11   | 21  | 10   | 12   | 7                               |
| F 1038 NBR | 18   | 54   | 125   | 36   | 135  | 14                              |
| F 1039 NBR | 12   | 56   | 70  | 25   | 60   | 8                               |
| F 1040 NBR | 40   | 40   | 115   | 28   | 205  | 34                              |
| F 1041 NBR | 6  | 17   | 57  | 27   | 50   | 3                               |
| F 1042 NBR | 5  | 25   | 47,5  | 13   | 28   | 2                               |
| F 1043 NBR | 27   | 42   | 80  | 15   | 70   | 22                              |
| F 1044 NBR | 10   | 10   | 36  | 18   | 45   | 6                               |
| F 1045 NBR | 4  | 11   | 70  | 20   | 55   | 1                               |
| F 1046 NBR | 140  | 140  | 98  | 19   | 120  | 62                              |
| F 1047 NBR | 5  | 16   | 57,5  | 26   | 57   | 2                               |
| F 1048 NBR | 10   | 20   | 33,5  | 23   | 45   | 6                               |
| F 1048 Si  | 10   | 20   | 33,5  | 23   | 45   | 6                               |



# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| <b>Art. No.</b> | <b>Kleinsten Anschluss-Ø</b><br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | <b>Größten Anschluss-Ø</b><br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | <b>Produktionslänge</b><br>Production length<br>Longueur de production<br>Longitud de suministro | <b>Lmin</b><br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | <b>Lmax</b><br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | <b>Seite</b><br><br>Page<br><br>Pagina |
|-----------------|---|---|--|---|---|--|
| F 1049 NBR      | 72  | 90  | 120  | 0   | 0   | 53                                     |
| F 1050 NBR      | 12  | 70  | 121  | 32  | 150   | 8                                      |
| F 1051 NBR      | 16  | 28  | 116  | 48  | 120   | 12                                     |
| F 1052 NBR      | 16  | 21  | 88   | 30  | 120   | 11                                     |
| F 1053 NBR      | 21  | 32  | 40   | 17  | 30  | 16                                     |
| F 1054 NBR      | 20  | 28  | 94   | 30  | 140   | 15                                     |
| F 1055 NBR      | 50  | 63  | 116  | 50  | 240   | 42                                     |
| F 1057 NBR      | 32  | 36  | 194  | 43  | 180   | 26                                     |
| F 1058 NBR      | 32  | 38  | 183  | 40  | 210   | 27                                     |
| F 1059 NBR      | 27  | 27  | 155  | 38  | 220   | 21                                     |
| F 1060 NBR      | 15  | 62  | 82   | 25  | 80  | 11                                     |
| F 1061 NBR      | 73  | 73  | 50   | 13  | 80  | 53                                     |
| F 1062 NBR      | 29  | 73  | 134  | 27  | 150   | 23                                     |
| F 1063 NBR      | 17  | 17  | 99   | 25  | 100   | 12                                     |
| F 1064 NBR      | 40  | 45  | 90   | 20  | 130   | 35                                     |
| F 1066 NBR      | 160   | 186   | 220  | 75  | 330   | 64                                     |
| F 1067 NBR      | 210   | 210   | 200  | 45  | 350   | 64                                     |
| F 1068 NBR      | 114   | 116   | 170  | 43  | 250   | 61                                     |
| F 1069 NBR      | 260   | 280   | 265  | 80  | 600   | 65                                     |
| F 1070 NBR      | 95  | 95  | 100  | 38  | 190   | 58                                     |
| F 1071 NBR      | 90  | 90  | 88   | 31  | 190   | 57                                     |
| F 1072 NBR      | 34  | 34  | 130  | 38  | 165   | 28                                     |
| F 1073 NBR      | 30  | 30  | 145  | 43  | 190   | 24                                     |
| F 1074 NBR      | 100   | 100   | 105  | 33  | 200   | 59                                     |
| F 1075 NBR      | 33  | 45  | 140  | 35  | 240   | 28                                     |
| F 1076 NBR      | 54  | 54  | 210  | 70  | 400   | 44a                                    |
| F 1077 NBR      | 150   | 180   | 140  | 32  | 200   | 63                                     |
| F 1078 NBR      | 44  | 55  | 110  | 22  | 125   | 37                                     |
| F 1079 NBR      | 155   | 165   | 180  | 45  | 300   | 63                                     |
| F 1080 NBR      | 12  | 36  | 39   | 22  | 40  | 8                                      |
| F 1082 NBR      | 148   | 148   | 120  | 36  | 145   | 63                                     |
| F 1083 NBR      | 43  | 54  | 103  | 20  | 140   | 37                                     |
| F 1084 NBR      | 7   | 12,5  | 26   | 10  | 30  | 3                                      |
| F 1084 Si       | 7   | 12,5  | 26   | 10  | 30  | 3                                      |
| F 1085 NBR      | 110   | 155   | 67   | 14  | 90  | 60                                     |
| F 1087 NR       | 35  | 35  | 140  | 37  | 240   | 28a                                    |
| F 1088 NBR      | 67  | 75  | 80   | 23  | 150   | 50                                     |
| F 1089 NBR      | 92  | 118   | 90   | 31  | 200   | 57                                     |
| F 1090 NBR      | 90  | 90  | 80   | 12  | 95  | 57                                     |
| F 1091 NBR      | 70  | 70  | 80   | 40  | 40  | 50                                     |
| F 1092 NBR      | 3   | 7   | 23,5   | 7   | 22,5  | 1                                      |
| F 1095 NBR      | 29  | 72  | 150  | 25  | 200   | 23                                     |
| F 1096 NBR      | 73  | 73  | 36   | 7   | 45  | 53                                     |
| F 1098 NBR      | 5   | 7   | 40   | 20  | 32  | 2                                      |

# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| <b>Art. No.</b> | <b>Kleinstes Anschluss-Ø</b><br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | <b>Größtes Anschluss-Ø</b><br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | <b>Produktionslänge</b><br>Production length<br>Longueur de production<br>Longitud de suministro | <b>Lmin</b><br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | <b>Lmax</b><br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | <b>Seite</b><br><br>Page<br><br>Pagina |
|-----------------|---|---|--|---|---|--|
| F 1099 NBR      | 32  | 54  | 36   | 8   | 70  | 27                                     |
| F 1100 NBR      | 4,5   | 19  | 28   | 12  | 28  | 2                                      |
| F 1101 NBR      | 6,5   | 28  | 32   | 15  | 35  | 3                                      |
| F 1102 NBR      | 8   | 36  | 45   | 25  | 50  | 4                                      |
| F 1103 NBR      | 30  | 45  | 120  | 34  | 210   | 25                                     |
| F 1104 NBR      | 13  | 33  | 54   | 12  | 43  | 9                                      |
| F 1105 CR       | 40  | 55  | 210  | 70  | 440   | 36                                     |
| F 1107 NBR      | 26  | 52  | 102  | 50  | 200   | 21                                     |
| F 1109 NBR      | 74  | 74  | 105  | 29  | 180   | 53                                     |
| F 1110 NBR      | 140   | 176   | 105  | 17  | 120   | 62                                     |
| F 1111 NBR      | 98  | 98  | 100  | 18  | 140   | 58                                     |
| F 1112 NBR      | 50  | 50  | 172  | 68  | 185   | 42                                     |
| F 1113 NBR      | 98  | 98  | 80   | 12  | 85  | 58                                     |
| F 1114 NBR      | 30  | 30  | 165  | 77  | 260   | 24                                     |
| F 1115 NBR      | 32  | 47  | 210  | 74  | 280   | 27                                     |
| F 1117 NBR      | 4   | 18  | 32   | 12  | 27  | 1                                      |
| F 1118 NBR      | 85  | 85  | 60   | 13  | 120   | 57                                     |
| F 1119 NBR      | 32  | 32  | 83   | 28  | 95  | 26                                     |
| F 1122 NBR      | 180   | 220   | 75   | 11  | 110   | 64                                     |
| F 1123 NBR      | 48  | 48  | 280  | 140   | 450   | 40                                     |
| F 1125 NBR      | 45  | 45  | 45   | 10  | 25  | 37                                     |
| F 1126 NBR      | 49  | 49  | 320  | 140   | 510   | 41                                     |
| F 1127 NBR      | 30  | 30  | 170  | 47  | 280   | 24                                     |
| F 1128 NBR      | 30  | 30  | 135  | 25  | 160   | 23                                     |
| F 1129 NBR      | 6   | 17  | 48   | 25  | 50  | 3                                      |
| F 1130 NBR      | 9   | 16  | 58   | 30  | 60  | 5                                      |
| F 1132 NBR      | 47  | 65  | 112  | 24  | 160   | 39                                     |
| F 1133 NBR      | 8   | 20  | 58   | 25  | 55  | 4                                      |
| F 1134 NBR      | 20  | 41  | 83   | 14  | 60  | 16                                     |
| F 1135 NBR      | 40  | 40  | 170  | 33  | 205   | 35                                     |
| F 1137 NBR      | 45  | 45  | 97   | 30  | 75  | 37                                     |
| F 1138 NBR      | 4   | 12  | 60   | 12  | 50  | 1                                      |
| F 1139 NBR      | 16  | 22  | 148  | 48  | 150   | 12                                     |
| F 1141 NBR      | 50  | 50  | 210  | 40  | 300   | 42                                     |
| F 1143 NBR      | 8   | 27  | 49   | 15  | 39  | 4                                      |
| F 1144 NBR      | 18  | 44  | 44   | 6   | 25  | 14                                     |
| F 1146 NBR      | 28  | 70  | 56   | 5   | 45  | 22                                     |
| F 1147 NBR      | 60  | 130   | 170  | 40  | 240   | 48                                     |
| F 1148 NBR      | 70  | 70  | 100  | 20  | 160   | 50                                     |
| F 1149 NBR      | 20  | 20  | 100  | 25  | 130   | 15                                     |
| F 1149 Si       | 20  | 20  | 100  | 25  | 130   | 15                                     |
| F 1150 NBR      | 20  | 32  | 215  | 65  | 250   | 16                                     |
| F 1151 NBR      | 29  | 29  | 55   | 10  | 55  | 22                                     |
| F 1152 NBR      | 29  | 32  | 60   | 20  | 60  | 22                                     |



# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| <b>Art. No.</b> | <b>Kleinsten Anschluss-Ø</b><br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | <b>Größten Anschluss-Ø</b><br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | <b>Produktionslänge</b><br>Production length<br>Longueur de production<br>Longitud de suministro | <b>Lmin</b><br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | <b>Lmax</b><br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | <b>Seite</b><br><br>Page<br><br>Pagina |
|-----------------|---|---|--|---|---|--|
| F 1154 NBR      | 23  | 50  | 35   | 10  | 25  | 18                                     |
| F 1155 NBR      | 14  | 25  | 93   | 30  | 120   | 10                                     |
| F 1157 NBR      | 40  | 48  | 115  | 27  | 180   | 36                                     |
| F 1158 NBR      | 35  | 49  | 97   | 16  | 90  | 29                                     |
| F 1159 NBR      | 64  | 84  | 95   | 20  | 150   | 49                                     |
| F 1160 NBR      | 49  | 75  | 85   | 10  | 60  | 41                                     |
| F 1162 NBR      | 11  | 25  | 80   | 30  | 70  | 7                                      |
| F 1164 NBR      | 80  | 80  | 230  | 70  | 240   | 55                                     |
| F 1169 NBR      | 71  | 71  | 38   | 4   | 14  | 52                                     |
| F 1170 NBR      | 130   | 130   | 210  | 55  | 360   | 62                                     |
| F 1171 NBR      | 20  | 42,5  | 33   | 0   | 16  | 15                                     |
| F 1172 NBR      | 120   | 120   | 230  | 57  | 400   | 61                                     |
| F 1173 NBR      | 49  | 49  | 102  | 30  | 55  | 41                                     |
| F 1175 NBR      | 22  | 32  | 128  | 50  | 150   | 18                                     |
| F 1176 NBR      | 38  | 69  | 135  | 39  | 210   | 32                                     |
| F 1177 NBR      | 17  | 23  | 59   | 15  | 60  | 12                                     |
| F 1179 NBR      | 75  | 75  | 210  | 75  | 330   | 54                                     |
| F 1180 NBR      | 16  | 40  | 105  | 25  | 85  | 12                                     |
| F 1181 NBR      | 137   | 137   | 310  | 80  | 400   | 62                                     |
| F 1182 NBR      | 56  | 64  | 130  | 45  | 145   | 46                                     |
| F 1185 NBR      | 11  | 11  | 36   | 7   | 20  | 7                                      |
| F 1186 NBR      | 70  | 70  | 290  | 74  | 420   | 51                                     |
| F 1187 NBR      | 5   | 10  | 50   | 12  | 45  | 2                                      |
| F 1188 NBR      | 46  | 60  | 160  | 60  | 220   | 40                                     |
| F 1189 NBR      | 18  | 71  | 86   | 20  | 95  | 14                                     |
| F 1190 NBR      | 25  | 25  | 20   | 4   | 23  | 20                                     |
| F 1191 NBR      | 52  | 52  | 78   | 15  | 85  | 44                                     |
| F 1192 NBR      | 25  | 25  | 68   | 9   | 65  | 20                                     |
| F 1193 NBR      | 10  | 10  | 86   | 37  | 50  | 6                                      |
| F 1197 NBR      | 80  | 80  | 230  | 50  | 330   | 55                                     |
| F 1201 NBR      | 85  | 85  | 285  | 55  | 460   | 56                                     |
| F 1202 NBR      | 45  | 45  | 123  | 33  | 145   | 37                                     |
| F 1203 NBR      | 130   | 130   | 100  | 15  | 140   | 61                                     |
| F 1204 NBR      | 127   | 127   | 185  | 40  | 220   | 61                                     |
| F 1205 NBR      | 50  | 50  | 125  | 40  | 160   | 41                                     |
| F 1206 NBR      | 33  | 35  | 200  | 55  | 300   | 27                                     |
| F 1207 NBR      | 60  | 60  | 205  | 45  | 260   | 47                                     |
| F 1208 NBR      | 50  | 56  | 155  | 45  | 180   | 42                                     |
| F 1208 Si       | 50  | 56  | 155  | 45  | 180   | 42                                     |
| F 1209 NBR      | 35  | 35  | 164  | 47  | 210   | 28a                                    |
| F 1210 NBR      | 30  | 30  | 145  | 40  | 210   | 24                                     |
| F 1211 NBR      | 70  | 70  | 205  | 52  | 260   | 51                                     |
| F 1212 NBR      | 20  | 100   | 100  | 18  | 100   | 16                                     |
| F 1214 NBR      | 38  | 38  | 46   | 13  | 60  | 32                                     |

# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| Art. No.    | Kleinstes Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größter Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|-------------|--|--|---|--|--|---------------------------------|
| F 1215 NBR  | 25   | 25   | 98  | 28   | 120  | 20                              |
| F 1216 NBR  | 110  | 110  | 225   | 60   | 280  | 60                              |
| F 1217 NBR  | 90   | 90   | 210   | 50   | 320  | 57                              |
| F 1218 NBR  | 100  | 100  | 200   | 40   | 250  | 59                              |
| F 1221 NBR  | 85   | 85   | 210   | 40   | 260  | 56                              |
| F 1222 NBR  | 65   | 65   | 200   | 40   | 300  | 49                              |
| F 1223 NBR  | 45   | 45   | 180   | 40   | 230  | 38                              |
| F 1224 NBR  | 80   | 80   | 210   | 50   | 250  | 55                              |
| F 1225 NBR  | 81   | 81   | 85  | 15   | 100  | 56                              |
| F 1229 NBR  | 45   | 45   | 210   | 55   | 270  | 38                              |
| F 1230 NBR  | 24,5   | 24,5   | 155   | 45   | 190  | 19                              |
| F 1231 NBR  | 39   | 52   | 137   | 40   | 150  | 33                              |
| F 1232 NBR  | 29   | 70   | 78  | 20   | 60   | 23                              |
| F 1233 NBR  | 40   | 40   | 200   | 45   | 280  | 35                              |
| F 1234 NBR  | 36   | 41   | 180   | 55   | 165  | 30                              |
| F 1235 NBR  | 15   | 15   | 95  | 25   | 90   | 11                              |
| F 1236 NBR  | 10   | 10   | 90  | 20   | 95   | 6                               |
| F 1237 NBR  | 95   | 95   | 220   | 60   | 310  | 58                              |
| F 1238 NBR  | 30   | 30   | 210   | 75   | 260  | 25                              |
| F 1239 NBR  | 64   | 82   | 125   | 35   | 130  | 49                              |
| F 1240 NBR  | 150  | 150  | 280   | 80   | 470  | 63                              |
| F 1241 NBR  | 17   | 37   | 140   | 25   | 170  | 13                              |
| F 1242 NBR  | 20   | 20   | 155   | 50   | 180  | 15                              |
| F 1244 NBR  | 62   | 62   | 150   | 56   | 200  | 49                              |
| F 1245 NBR  | 45   | 60   | 210   | 50   | 240  | 39                              |
| F 1246 NBR  | 51   | 51   | 210   | 60   | 280  | 43                              |
| F 1248 NBR  | 55   | 55   | 210   | 70   | 280  | 45                              |
| F 1249 NBR  | 35   | 35   | 230   | 84   | 354  | 29                              |
| F 1250 NBR  | 25   | 40   | 155   | 40   | 190  | 20                              |
| F 1251 NBR  | 10   | 10   | 40  | 20   | 50   | 5a                              |
| F 1252 NBR  | 53,5   | 90   | 235   | 110  | 300  | 45                              |
| F 1505 NBR  | 17   | 27   | 48,5  | 10   | 50   | 12a                             |
| F 1509 NBR  | 16   | 27   | 77  | 0  | 0  | 12                              |
| F 1513 NBR  | 25   | 43   | 87  | 17   | 80   | 20a                             |
| F 1520 NBR  | 35   | 55   | 100   | 35   | 200  | 29a                             |
| F 1521 NBR  | 36   | 39   | 340   | 125  | 560  | 31                              |
| F 1522 NBR  | 45   | 70   | 192   | 72   | 500  | 39                              |
| F 1528 NBR  | 70   | 84   | 168   | 52   | 250  | 51                              |
| F 2001 NBR  | 60   | 60   | 235   | 45   | 300  | 48                              |
| F 2001 Si   | 60   | 60   | 235   | 45   | 300  | 48                              |
| F 2001 EPDM | 60   | 60   | 235   | 45   | 300  | 48                              |
| F 2003 NBR  | 60   | 80   | 144   | 25   | 160  | 47a                             |
| F 2006 NBR  | 55   | 55   | 65  | 0  | 0  | 45                              |
| F 2015 NBR  | 52   | 52   | 115   | 35   | 120  | 44                              |

# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| <b>Art. No.</b> | <b>Kleinsten Anschluss-Ø</b><br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | <b>Größten Anschluss-Ø</b><br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | <b>Produktionslänge</b><br>Production length<br>Longueur de production<br>Longitud de suministro | <b>Lmin</b><br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | <b>Lmax</b><br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | <b>Seite</b><br><br>Page<br><br>Pagina |
|-----------------|---|---|--|---|---|--|
| F 2033 NBR      | 3   | 4,5   | 18   | 7   | 18  | 1                                      |
| F 2047 NBR      | 40  | 40  | 85   | 25  | 138   | 36                                     |
| F 2075 NBR      | 75  | 75  | 270  | 50  | 350   | 54                                     |
| F 2104 NBR      | 7   | 12,5  | 26   | 10  | 30  | 4                                      |
| F 2107 CR       | 10  | 56  | 160  | 50  | 140   | 5a                                     |
| F 2116 NBR      | 48  | 48  | 240  | 40  | 290   | 40a                                    |
| F 2116 CR       | 48  | 48  | 240  | 40  | 290   | 40a                                    |
| F 2133 CR       | 5,5   | 13,5  | 15,5   | 0   | 0   | 2                                      |
| F 2167 NBR      | 42  | 42  | 150  | 50  | 250   | 36a                                    |
| F 2196 CR       | 14  | 24  | 57   | 25  | 65  | 10a                                    |
| F 2231 EPDM     | 7   | 20  | 120  | 46  | 127   | 4                                      |
| F 2246 NBR      | 10  | 16,5  | 18   | 9   | 23  | 5a                                     |
| F 2246 CR       | 10  | 16,5  | 18   | 9   | 23  | 5a                                     |
| F 3003 NBR      | 10  | 70  | 130  | 55  | 135   | 5a                                     |
| F 3010 NBR      | 39  | 53  | 145  | 55  | 150   | 33                                     |
| F 3012 NBR      | 39  | 45  | 165  | 0   | 0   | 33                                     |
| F 3032 NBR      | 34  | 40  | 150  | 65  | 190   | 28                                     |
| F 3037 NBR      | 9   | 44  | 140  | 55  | 130   | 5                                      |
| F 3038 NBR      | 9   | 35  | 145  | 70  | 135   | 5                                      |
| F 3058 NBR      | 20  | 63  | 240  | 130   | 290   | 15a                                    |
| F 3077 NBR      | variabel  | variabel  | 210  | 45  | 140   | 66                                     |
| F 4001 NBR      | 80  | 85  | 160  | 50  | 130   | 55                                     |
| F 4002 NBR      | 79  | 110   | 130  | 35  | 120   | 54                                     |
| F 4003 NBR      | 70  | 70  | 300  | 120   | 500   | 52                                     |
| F 4004 NBR      | 70  | 88  | 260  | 90  | 320   | 52                                     |
| F 4005 NBR      | 67  | 67  | 90   | 20  | 40  | 50                                     |
| F 4008 NBR      | 60  | 60  | 146  | 45  | 220   | 48                                     |
| F 4009 NBR      | 59  | 151   | 150  | 60  | 160   | 46                                     |
| F 4010 NBR      | 56  | 86  | 260  | 90  | 320   | 46                                     |
| F 4011 NBR      | 55  | 70  | 250  | 90  | 300   | 45                                     |
| F 4012 NBR      | 50  | 50  | 330  | 100   | 635   | 43                                     |
| F 4013 NBR      | 46  | 65  | 250  | 80  | 350   | 39                                     |
| F 4014 NBR      | 40  | 52  | 40   | 15  |   | 34                                     |
| F 4015 NBR      | 38  | 38  | 80   | 30  | 70  | 32                                     |
| F 4016 NBR      | 38  | 41  | 88   | 30  | 77  | 33                                     |
| F 4017 NBR      | 36  | 36  | 110  | 30  | 86  | 31                                     |
| F 4018 NBR      | 35  | 70  | 180  | 55  | 200   | 29                                     |
| F 4019 NBR      | 35  | 70  | 250  | 70  | 330   | 30                                     |
| F 4020 NBR      | 30  | 30  | 75   | 20  |   | 25                                     |
| F 4021 NBR      | 30  | 110   | 98   | 30  | 82  | 26                                     |
| F 4022 NBR      | 23  | 65  | 120  | 40  | 130   | 19                                     |
| F 4023 NBR      | 20  | 20  | 78   | 24  | 60  | 15                                     |
| F 4024 NBR      | 18  | 29  | 50   | 10  | 28  | 13                                     |
| F 4026 NBR      | 12,5  | 18,2  | 22   | 8   | 15  | 8                                      |

# Vulkanisierte Faltenbälge/Moulded Bellows

**Art. No.**

| <b>Art. No.</b> | <b>Kleinsten Anschluss-Ø</b><br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | <b>Größten Anschluss-Ø</b><br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | <b>Produktionslänge</b><br>Production length<br>Longueur de production<br>Longitud de suministro | <b>Lmin</b><br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | <b>Lmax</b><br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | <b>Seite</b><br><br>Page<br><br>Pagina |
|-----------------|---|---|--|---|---|--|
| F 4027 NBR      | 11  | 20  | 50   | 15  | 43  | 7                                      |
| F 4029 NBR      | 10,5  | 22  | 80   | 20  | 90  | 6                                      |
| F 4031 NBR      | 5,5   | 20  | 25   | 10  | 0   | 2                                      |
| F 4037 NBR      | 50  | 94  | 80   | 50  | 180   | 43                                     |
| F 4038 NBR      | 45  | 45  | 82   | 35  | 58  | 38                                     |
| F 4039 NBR      | 40  | 71  | 380  | 120   | 520   | 35                                     |
| F 4040 NBR      | 35  | 113/106   | 100  | 35  | 90  | 30                                     |
| F 4041 NBR      | 25  | 25  | 145  | 80  | 200   | 20a                                    |
| F 4043 NBR      | 22  | 36  | 98   | 30  | 76  | 17                                     |
| F 4046 NBR      | 21  | 82  | 78   | 25  | 130   | 17                                     |
| F 4047 NBR      | 19  | 40  | 48   | 10  | 31  | 14                                     |
| F 4048 NBR      | 18  | 40  | 62   | 20  | 35  | 13                                     |
| F 4049 NBR      | 17  | 40  | 62   | 20  | 41  | 13                                     |
| F 4051 NBR      | 11  | 43  | 125  | 55  | 150   | 7                                      |
| F 4052 NBR      | 14,5  | 56  | 200  | 70  | 200   | 11                                     |
| F 4054 NBR      | 12  | 42  | 100  | 42  | 110   | 9                                      |
| F 4056 NBR      | 105   | 105   | 130  | 30  | 110   | 60                                     |
| F 4057 NBR      | 75  | 75  | 134  | 40  | 140   | 53                                     |
| F 4058 NBR      | 14  | 27  | 184  | 55  | 230   | 10                                     |
| F 4059 NBR      | 100   | 100   | 353  | 90  | 350   | 59                                     |
| F 4060 NBR      | 110   | 110   | 131  | 50  | 125   | 60                                     |
| F 4061 NBR      | 40  | 48  | 544  | 180   | 560   | 34                                     |
| F 4063 NBR      | 12  | 24  | 120  | 40  | 190   | 9                                      |
| F 4064 NBR      | 65  | 86  | 190  | 50  | 200   | 50                                     |
| F 4065 NBR      | 14  | 14  | 155  | 35  | 140   | 10                                     |
| F 4066 NBR      | 38  | 38  | 120  | 28  | 130   | 32                                     |
| F 4067 NBR      | 30  | 38  | 70   | 23  | 60  | 25                                     |
| F 4068 NBR      | 25  | 38  | 50   | 18  | 50  | 20                                     |
| F 4069 NBR      | 45  | 45  | 145  | 45  | 175   | 38                                     |
| F 4078 NBR      | 70  | 75  | 142  | 40  | 150   | 51                                     |
| F 4079 NBR      | 85  | 90  | 131  | 25  | 120   | 56                                     |
| F 4081 NBR      | 53  | 53  | 160  | 60  | 180   | 44                                     |
| F 9000 NBR      | 100   | 140   | 150  | 28  | 200   | 58                                     |
| F 9001 Si       | 28  | 32  |  | 15  | 45  | 22                                     |
| F 9002 NBR      | 62  | 62  | 70   | 15  | 80  | 48                                     |
| F 9003 NBR      | 45  | 65,5  | 30   | 5   | 15  | 38                                     |
| F 9004 NBR      | 60  | 86  | 39,5   | 5   | 15  | 47                                     |
| F 9008 NBR      | 16  | 62  | 40   | 10  | 25  | 11                                     |
| F 9009 NBR      | 28  | 82  |  | 35  | 120   | 21                                     |
| F 9010 NBR      | 50  | 155   | 120  | 20  | 100   | 43                                     |
| F 9011 NBR      | 10  | 25  | 30   | 12  | 35  | 5                                      |
|                 |   |   |  |   |   |  |
|                 |   |   |  |   |   |  |
|                 |   |   |  |   |   |  |

# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.    | Kleinsten Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größten Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|-------------|--|--|---|--|--|---------------------------------|
| F 1092 NBR  | 3  | 7  | 23,5  | 7  | 22,5   | 1                               |
| F 2033 NBR  | 3  | 4,5  | 18  | 7  | 18   | 1                               |
| F 1011 NBR  | 4  | 11   | 45  | 9  | 18   | 1                               |
| F 1045 NBR  | 4  | 11   | 70  | 20   | 55   | 1                               |
| F 1117 NBR  | 4  | 18   | 32  | 12   | 27   | 1                               |
| F 1138 NBR  | 4  | 12   | 60  | 12   | 50   | 1                               |
| F 1035 NBR  | 4,5  | 7,5  | 16  | 3,5  | 8,5  | 1                               |
| F 1100 NBR  | 4,5  | 19   | 28  | 12   | 28   | 2                               |
| F 1042 NBR  | 5  | 25   | 47,5  | 13   | 28   | 2                               |
| F 1047 NBR  | 5  | 16   | 57,5  | 26   | 57   | 2                               |
| F 1098 NBR  | 5  | 7  | 40  | 20   | 32   | 2                               |
| F 1187 NBR  | 5  | 10   | 50  | 12   | 45   | 2                               |
| F 2133 CR   | 5,5  | 13,5   | 15,5  | 0  | 0  | 2                               |
| F 4031 NBR  | 5,5  | 20   | 25  | 10   | 0  | 2                               |
| F 1041 NBR  | 6  | 17   | 57  | 27   | 50   | 3                               |
| F 1129 NBR  | 6  | 17   | 48  | 25   | 50   | 3                               |
| F 1101 NBR  | 6,5  | 28   | 32  | 15   | 35   | 3                               |
| F 1022 NBR  | 7  | 17   | 32  | 10   | 23   | 3                               |
| F 1023 NBR  | 7  | 17   | 52  | 25   | 32   | 3                               |
| F 1084 NBR  | 7  | 12,5   | 26  | 10   | 30   | 3                               |
| F 1084 Si   | 7  | 12,5   | 26  | 10   | 30   | 3                               |
| F 2104 NBR  | 7  | 12,5   | 26  | 10   | 30   | 4                               |
| F 2231 EPDM | 7  | 20   | 120   | 46   | 127  | 4                               |
| F 1102 NBR  | 8  | 36   | 45  | 25   | 50   | 4                               |
| F 1133 NBR  | 8  | 20   | 58  | 25   | 55   | 4                               |
| F 1143 NBR  | 8  | 27   | 49  | 15   | 39   | 4                               |
| F 1032 NBR  | 9  | 24   | 25  | 1  | 7  | 5                               |
| F 1130 NBR  | 9  | 16   | 58  | 30   | 60   | 5                               |
| F 3037 NBR  | 9  | 44   | 140   | 55   | 130  | 5                               |
| F 3038 NBR  | 9  | 35   | 145   | 70   | 135  | 5                               |
| F 1044 NBR  | 10   | 10   | 36  | 18   | 45   | 6                               |
| F 1048 NBR  | 10   | 20   | 33,5  | 23   | 45   | 6                               |
| F 1048 Si   | 10   | 20   | 33,5  | 23   | 45   | 6                               |
| F 1193 NBR  | 10   | 10   | 86  | 37   | 50   | 6                               |
| F 1236 NBR  | 10   | 10   | 90  | 20   | 95   | 6                               |
| F 1251 NBR  | 10   | 10   | 40  | 20   | 50   | 5a                              |
| F 2107 CR   | 10   | 56   | 160   | 50   | 140  | 5a                              |
| F 2246 NBR  | 10   | 16,5   | 18  | 9  | 23   | 5a                              |
| F 2246 CR   | 10   | 16,5   | 18  | 9  | 23   | 5a                              |
| F 3003 NBR  | 10   | 70   | 130   | 55   | 135  | 5a                              |
| F 9011 NBR  | 10   | 25   | 30  | 12   | 35   | 5                               |
| F 4029 NBR  | 10,5   | 22   | 80  | 20   | 90   | 6                               |
| F 1037 NBR  | 11   | 11   | 21  | 10   | 12   | 7                               |
| F 1162 NBR  | 11   | 25   | 80  | 30   | 70   | 7                               |

# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.   | Kleinstes Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größter Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|------------|--|--|---|--|--|---------------------------------|
| F 1185 NBR | 11   | 11   | 36  | 77   | 200  | 7 7                             |
| F 4027 NBR | 11   | 20   | 50  | 165  | 443  | 7 7                             |
| F 4051 NBR | 11   | 43   | 125   | 555  | 1560   | 7 7                             |
| F 1010 NBR | 12   | 16   | 30  | 88   | 300  | 8 8                             |
| F 1010 Si  | 12   | 16   | 30  | 88   | 300  | 8 8                             |
| F 1039 NBR | 12   | 56   | 70  | 285  | 660  | 8 8                             |
| F 1050 NBR | 12   | 70   | 121   | 332  | 1560   | 8 8                             |
| F 1080 NBR | 12   | 36   | 39  | 222  | 440  | 8 8                             |
| F 4054 NBR | 12   | 42   | 100   | 442  | 1100   | 9 9                             |
| F 4063 NBR | 12   | 24   | 120   | 400  | 1990   | 9 9                             |
| F 4026 NBR | 12,5   | 18,2   | 22  | 88   | 155  | 8 8                             |
| F 1104 NBR | 13   | 33   | 54  | 122  | 443  | 9 9                             |
| F 1155 NBR | 14   | 25   | 93  | 300  | 1200   | 10 10                           |
| F 2196 CR  | 14   | 24   | 57  | 285  | 665  | 10 10a                          |
| F 4058 NBR | 14   | 27   | 184   | 555  | 2300   | 10 10                           |
| F 4065 NBR | 14   | 14   | 155   | 355  | 1440   | 10 10                           |
| F 4052 NBR | 14,5   | 56   | 200   | 700  | 2000   | 11 11                           |
| F 1060 NBR | 15   | 62   | 82  | 285  | 880  | 11 11                           |
| F 1235 NBR | 15   | 15   | 95  | 285  | 990  | 11 11                           |
| F 1051 NBR | 16   | 28   | 116   | 488  | 1200   | 12 12                           |
| F 1052 NBR | 16   | 21   | 88  | 300  | 1200   | 11 11                           |
| F 1139 NBR | 16   | 22   | 148   | 488  | 1560   | 12 12                           |
| F 1180 NBR | 16   | 40   | 105   | 285  | 885  | 12 12                           |
| F 1509 NBR | 16   | 27   | 77  | 00   | 00   | 12 12                           |
| F 9008 NBR | 16   | 62   | 40  | 100  | 225  | 11 11                           |
| F 1063 NBR | 17   | 17   | 99  | 285  | 1000   | 12 12                           |
| F 1177 NBR | 17   | 23   | 59  | 165  | 660  | 12 12                           |
| F 1241 NBR | 17   | 37   | 140   | 285  | 1700   | 13 13                           |
| F 1505 NBR | 17   | 27   | 48,5  | 100  | 560  | 12 12a                          |
| F 4049 NBR | 17   | 40   | 62  | 220  | 441  | 13 13                           |
| F 1038 NBR | 18   | 54   | 125   | 386  | 1335   | 14 14                           |
| F 1144 NBR | 18   | 44   | 44  | 66   | 225  | 14 14                           |
| F 1189 NBR | 18   | 71   | 86  | 220  | 995  | 14 14                           |
| F 4024 NBR | 18   | 29   | 50  | 100  | 228  | 13 13                           |
| F 4048 NBR | 18   | 40   | 62  | 220  | 335  | 13 13                           |
| F 4047 NBR | 19   | 40   | 48  | 100  | 331  | 14 14                           |
| F 1033 NBR | 20   | 64   | 35  | 99   | 400  | 16 16                           |
| F 1054 NBR | 20   | 28   | 94  | 300  | 1440   | 15 15                           |
| F 1134 NBR | 20   | 41   | 83  | 144  | 660  | 16 16                           |
| F 1149 NBR | 20   | 20   | 100   | 285  | 1330   | 15 15                           |
| F 1149 Si  | 20   | 20   | 100   | 285  | 1330   | 15 15                           |
| F 1150 NBR | 20   | 32   | 215   | 655  | 2250   | 16 16                           |
| F 1171 NBR | 20   | 42,5   | 33  | 00   | 166  | 15 15                           |
| F 1212 NBR | 20   | 100  | 100   | 188  | 1000   | 16 16                           |



# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.   | Kleinsten Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größten Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|------------|--|--|---|--|--|---------------------------------|
| F 1242 NBR | 20   | 20   | 155   | 50   | 180  | 15                              |
| F 3058 NBR | 20   | 63   | 240   | 130  | 290  | 15a                             |
| F 4023 NBR | 20   | 20   | 78  | 24   | 60   | 15                              |
| F 1013 NBR | 21   | 32   | 125   | 45   | 120  | 17                              |
| F 1018 NBR | 21   | 30   | 115   | 36   | 120  | 17                              |
| F 1053 NBR | 21   | 32   | 40  | 17   | 30   | 16                              |
| F 4046 NBR | 21   | 82   | 78  | 25   | 130  | 17                              |
| F 1003 NBR | 22   | 22   | 58  | 0  | 10   | 17                              |
| F 1006 NBR | 22   | 27   | 102   | 32   | 110  | 18                              |
| F 1012 NBR | 22   | 30   | 180   | 65   | 180  | 18                              |
| F 1029 NBR | 22   | 47   | 67  | 18   | 55   | 18                              |
| F 1175 NBR | 22   | 32   | 128   | 50   | 150  | 18                              |
| F 4043 NBR | 22   | 36   | 98  | 30   | 76   | 17                              |
| F 1017 NBR | 23   | 95   | 190   | 50   | 250  | 19                              |
| F 1154 NBR | 23   | 50   | 35  | 10   | 25   | 18                              |
| F 4022 NBR | 23   | 65   | 120   | 40   | 130  | 19                              |
| F 1001 NBR | 24   | 24   | 93  | 27   | 55   | 19                              |
| F 1230 NBR | 24,5   | 24,5   | 155   | 45   | 190  | 19                              |
| F 1190 NBR | 25   | 25   | 20  | 4  | 23   | 20                              |
| F 1192 NBR | 25   | 25   | 68  | 9  | 65   | 20                              |
| F 1215 NBR | 25   | 25   | 98  | 28   | 120  | 20                              |
| F 1250 NBR | 25   | 40   | 155   | 40   | 190  | 20                              |
| F 1513 NBR | 25   | 43   | 87  | 17   | 80   | 20a                             |
| F 4041 NBR | 25   | 25   | 145   | 80   | 200  | 20a                             |
| F 4068 NBR | 25   | 38   | 50  | 18   | 50   | 20                              |
| F 1008 NBR | 26   | 34   | 90  | 35   | 100  | 21                              |
| F 1107 NBR | 26   | 52   | 102   | 50   | 200  | 21                              |
| F 1004 NBR | 27   | 27   | 104   | 0  | 24   | 21                              |
| F 1043 NBR | 27   | 42   | 80  | 15   | 70   | 22                              |
| F 1059 NBR | 27   | 27   | 155   | 38   | 220  | 21                              |
| F 1028 NBR | 28   | 47   | 64  | 14   | 55   | 22                              |
| F 1146 NBR | 28   | 70   | 56  | 5  | 45   | 22                              |
| F 9001 Si  | 28   | 32   |   | 15   | 45   | 22                              |
| F 9009 NBR | 28   | 82   |   | 35   | 120  | 21                              |
| F 1062 NBR | 29   | 73   | 134   | 27   | 150  | 23                              |
| F 1095 NBR | 29   | 72   | 150   | 25   | 200  | 23                              |
| F 1151 NBR | 29   | 29   | 55  | 10   | 55   | 22                              |
| F 1152 NBR | 29   | 32   | 60  | 20   | 60   | 22                              |
| F 1232 NBR | 29   | 70   | 78  | 20   | 60   | 23                              |
| F 1073 NBR | 30   | 30   | 145   | 43   | 190  | 24                              |
| F 1103 NBR | 30   | 45   | 120   | 34   | 210  | 25                              |
| F 1114 NBR | 30   | 30   | 165   | 77   | 260  | 24                              |
| F 1127 NBR | 30   | 30   | 170   | 47   | 280  | 24                              |
| F 1128 NBR | 30   | 30   | 135   | 25   | 160  | 23                              |

# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.   | Kleinsten Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größten Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br>Length<br>min<br>Longueur<br>min<br>Longitud<br>min. | Lmax<br>Length<br>max<br>Longueur<br>max<br>Longitud<br>máx. | Seite<br>Page<br>Pagina |
|------------|--|--|---|--|--|-------------------------|
| F 1210 NBR | 30   | 30   | 145   | 40   | 210  | 24                      |
| F 1238 NBR | 30   | 30   | 210   | 75   | 260  | 25                      |
| F 4020 NBR | 30   | 30   | 75  | 20   |  | 25                      |
| F 4021 NBR | 30   | 110  | 98  | 30   | 82   | 26                      |
| F 4067 NBR | 30   | 38   | 70  | 23   | 60   | 25                      |
| F 1057 NBR | 32   | 36   | 194   | 43   | 180  | 26                      |
| F 1058 NBR | 32   | 38   | 183   | 40   | 210  | 27                      |
| F 1099 NBR | 32   | 54   | 36  | 8  | 70   | 27                      |
| F 1115 NBR | 32   | 47   | 210   | 74   | 280  | 27                      |
| F 1119 NBR | 32   | 32   | 83  | 28   | 95   | 26                      |
| F 1075 NBR | 33   | 45   | 140   | 35   | 240  | 28                      |
| F 1206 NBR | 33   | 35   | 200   | 55   | 300  | 27                      |
| F 1072 NBR | 34   | 34   | 130   | 38   | 165  | 28                      |
| F 3032 NBR | 34   | 40   | 150   | 65   | 190  | 28                      |
| F 1020 NBR | 35   | 43   | 180   | 52   | 220  | 29                      |
| F 1087 NR  | 35   | 35   | 140   | 37   | 240  | 28a                     |
| F 1158 NBR | 35   | 49   | 97  | 16   | 90   | 29                      |
| F 1209 NBR | 35   | 35   | 164   | 47   | 210  | 28a                     |
| F 1249 NBR | 35   | 35   | 230   | 84   | 354  | 29                      |
| F 1520 NBR | 35   | 55   | 100   | 35   | 200  | 29a                     |
| F 4018 NBR | 35   | 70   | 180   | 55   | 200  | 29                      |
| F 4019 NBR | 35   | 70   | 250   | 70   | 330  | 30                      |
| F 4040 NBR | 35   | 113/106  | 100   | 35   | 90   | 30                      |
| F 1234 NBR | 36   | 41   | 180   | 55   | 165  | 30                      |
| F 1521 NBR | 36   | 39   | 340   | 125  | 560  | 31                      |
| F 4017 NBR | 36   | 36   | 110   | 30   | 86   | 31                      |
| F 1026 NBR | 37   | 56   | 75  | 25   | 130  | 31                      |
| F 1036 NBR | 37   | 40   | 125   | 43   | 160  | 31                      |
| F 1176 NBR | 38   | 69   | 135   | 39   | 210  | 32                      |
| F 1214 NBR | 38   | 38   | 46  | 13   | 60   | 32                      |
| F 4015 NBR | 38   | 38   | 80  | 30   | 70   | 32                      |
| F 4016 NBR | 38   | 41   | 88  | 30   | 77   | 33                      |
| F 4066 NBR | 38   | 38   | 120   | 28   | 130  | 32                      |
| F 1014 NBR | 39   | 39   | 200   | 80   | 240  | 34                      |
| F 1231 NBR | 39   | 52   | 137   | 40   | 150  | 33                      |
| F 3010 NBR | 39   | 53   | 145   | 55   | 150  | 33                      |
| F 3012 NBR | 39   | 45   | 165   | 0  | 0  | 33                      |
| F 1040 NBR | 40   | 40   | 115   | 28   | 205  | 34                      |
| F 1064 NBR | 40   | 45   | 90  | 20   | 130  | 35                      |
| F 1105 CR  | 40   | 55   | 210   | 70   | 440  | 36                      |
| F 1135 NBR | 40   | 40   | 170   | 33   | 205  | 35                      |
| F 1157 NBR | 40   | 48   | 115   | 27   | 180  | 36                      |
| F 1233 NBR | 40   | 40   | 200   | 45   | 280  | 35                      |
| F 2047 NBR | 40   | 40   | 85  | 25   | 138  | 36                      |

# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.   | Kleinsten Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größten Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|------------|--|--|---|--|--|---------------------------------|
| F 4014 NBR | 40   | 52   | 40  | 15   |  | 34                              |
| F 4039 NBR | 40   | 71   | 380   | 120  | 520  | 35                              |
| F 4061 NBR | 40   | 48   | 544   | 180  | 560  | 34                              |
| F 1002 NBR | 41   | 41   | 118   | 0  | 46   | 36                              |
| F 1005 NBR | 41   | 41   | 162   | 0  | 0  | 36                              |
| F 2167 NBR | 42   | 42   | 150   | 50   | 250  | 36a                             |
| F 1083 NBR | 43   | 54   | 103   | 20   | 140  | 37                              |
| F 1078 NBR | 44   | 55   | 110   | 22   | 125  | 37                              |
| F 1125 NBR | 45   | 45   | 45  | 10   | 25   | 37                              |
| F 1137 NBR | 45   | 45   | 97  | 30   | 75   | 37                              |
| F 1202 NBR | 45   | 45   | 123   | 33   | 145  | 37                              |
| F 1223 NBR | 45   | 45   | 180   | 40   | 230  | 38                              |
| F 1229 NBR | 45   | 45   | 210   | 55   | 270  | 38                              |
| F 1245 NBR | 45   | 60   | 210   | 50   | 240  | 39                              |
| F 1522 NBR | 45   | 70   | 192   | 72   | 500  | 39                              |
| F 4038 NBR | 45   | 45   | 82  | 35   | 58   | 38                              |
| F 4069 NBR | 45   | 45   | 145   | 45   | 175  | 38                              |
| F 9003 NBR | 45   | 65,5   | 30  | 5  | 15   | 38                              |
| F 1188 NBR | 46   | 60   | 160   | 60   | 220  | 40                              |
| F 4013 NBR | 46   | 65   | 250   | 80   | 350  | 39                              |
| F 1132 NBR | 47   | 65   | 112   | 24   | 160  | 39                              |
| F 1025 NBR | 48   | 66   | 66  | 15   | 65   | 40                              |
| F 1030 NBR | 48   | 84   | 100   | 42   | 90   | 40                              |
| F 1123 NBR | 48   | 48   | 280   | 140  | 450  | 40                              |
| F 2116 NBR | 48   | 48   | 240   | 40   | 290  | 40a                             |
| F 2116 CR  | 48   | 48   | 240   | 40   | 290  | 40a                             |
| F 1126 NBR | 49   | 49   | 320   | 140  | 510  | 41                              |
| F 1160 NBR | 49   | 75   | 85  | 10   | 60   | 41                              |
| F 1173 NBR | 49   | 49   | 102   | 30   | 55   | 41                              |
| F 1055 NBR | 50   | 63   | 116   | 50   | 240  | 42                              |
| F 1112 NBR | 50   | 50   | 172   | 68   | 185  | 42                              |
| F 1141 NBR | 50   | 50   | 210   | 40   | 300  | 42                              |
| F 1205 NBR | 50   | 50   | 125   | 40   | 160  | 41                              |
| F 1208 NBR | 50   | 56   | 155   | 45   | 180  | 42                              |
| F 1208 Si  | 50   | 56   | 155   | 45   | 180  | 42                              |
| F 4012 NBR | 50   | 50   | 330   | 100  | 635  | 43                              |
| F 4037 NBR | 50   | 94   | 80  | 50   | 180  | 43                              |
| F 9010 NBR | 50   | 155  | 120   | 20   | 100  | 43                              |
| F 1246 NBR | 51   | 51   | 210   | 60   | 280  | 43                              |
| F 1016 NBR | 52   | 52   | 195   | 75   | 170  | 44                              |
| F 1191 NBR | 52   | 52   | 78  | 15   | 85   | 44                              |
| F 2015 NBR | 52   | 52   | 115   | 35   | 120  | 44                              |
| F 4081 NBR | 53   | 53   | 160   | 60   | 180  | 44                              |
| F 1252 NBR | 53,5   | 90   | 235   | 110  | 300  | 45                              |

# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.    | Kleinsten Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größten Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longueur de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|-------------|--|--|---|--|--|---------------------------------|
| F 1076 NBR  | 54   | 54   | 210   | 70   | 400  | 44a                             |
| F 1248 NBR  | 55   | 55   | 210   | 70   | 280  | 45                              |
| F 2006 NBR  | 55   | 55   | 65  | 0  | 0  | 45                              |
| F 4011 NBR  | 55   | 70   | 250   | 90   | 300  | 45                              |
| F 1182 NBR  | 56   | 64   | 130   | 45   | 145  | 46                              |
| F 4010 NBR  | 56   | 86   | 260   | 90   | 320  | 46                              |
| F 1021 NBR  | 58   | 61   | 130   | 25   | 180  | 46                              |
| F 4009 NBR  | 59   | 151  | 150   | 60   | 160  | 46                              |
| F 1027 NBR  | 60   | 60   | 130   | 30   | 170  | 47                              |
| F 1031 NBR  | 60   | 70   | 300   | 80   | 385  | 47                              |
| F 1147 NBR  | 60   | 130  | 170   | 40   | 240  | 48                              |
| F 1207 NBR  | 60   | 60   | 205   | 45   | 260  | 47                              |
| F 2001 NBR  | 60   | 60   | 235   | 45   | 300  | 48                              |
| F 2001 Si   | 60   | 60   | 235   | 45   | 300  | 48                              |
| F 2001 EPDM | 60   | 60   | 235   | 45   | 300  | 48                              |
| F 2003 NBR  | 60   | 80   | 144   | 25   | 160  | 47a                             |
| F 4008 NBR  | 60   | 60   | 146   | 45   | 220  | 48                              |
| F 9004 NBR  | 60   | 86   | 39,5  | 5  | 15   | 47                              |
| F 1244 NBR  | 62   | 62   | 150   | 56   | 200  | 49                              |
| F 9002 NBR  | 62   | 62   | 70  | 15   | 80   | 48                              |
| F 1159 NBR  | 64   | 84   | 95  | 20   | 150  | 49                              |
| F 1239 NBR  | 64   | 82   | 125   | 35   | 130  | 49                              |
| F 1222 NBR  | 65   | 65   | 200   | 40   | 300  | 49                              |
| F 4064 NBR  | 65   | 86   | 190   | 50   | 200  | 50                              |
| F 1088 NBR  | 67   | 75   | 80  | 23   | 150  | 50                              |
| F 4005 NBR  | 67   | 67   | 90  | 20   | 40   | 50                              |
| F 1091 NBR  | 70   | 70   | 80  | 40   | 40   | 50                              |
| F 1148 NBR  | 70   | 70   | 100   | 20   | 160  | 50                              |
| F 1186 NBR  | 70   | 70   | 290   | 74   | 420  | 51                              |
| F 1211 NBR  | 70   | 70   | 205   | 52   | 260  | 51                              |
| F 1528 NBR  | 70   | 84   | 168   | 52   | 250  | 51                              |
| F 4003 NBR  | 70   | 70   | 300   | 120  | 500  | 52                              |
| F 4004 NBR  | 70   | 88   | 260   | 90   | 320  | 52                              |
| F 4078 NBR  | 70   | 75   | 142   | 40   | 150  | 51                              |
| F 1169 NBR  | 71   | 71   | 38  | 4  | 14   | 52                              |
| F 1049 NBR  | 72   | 90   | 120   | 0  | 0  | 53                              |
| F 1061 NBR  | 73   | 73   | 50  | 13   | 80   | 53                              |
| F 1096 NBR  | 73   | 73   | 36  | 7  | 45   | 53                              |
| F 1109 NBR  | 74   | 74   | 105   | 29   | 180  | 53                              |
| F 1179 NBR  | 75   | 75   | 210   | 75   | 330  | 54                              |
| F 2075 NBR  | 75   | 75   | 270   | 50   | 350  | 54                              |
| F 4057 NBR  | 75   | 75   | 134   | 40   | 140  | 53                              |
| F 4002 NBR  | 79   | 110  | 130   | 35   | 120  | 54                              |
| F 1164 NBR  | 80   | 80   | 230   | 70   | 240  | 55                              |

# Vulkanisierte Faltenbälge/Moulded Bellows

Ø/Dia.

| Art. No.   | Kleinsten Anschluss-Ø<br>Smallest inside fitting diameter<br>Plus petit Ø intérieur de fixation<br>Ø interior mínimo | Größten Anschluss-Ø<br>Largest inside fitting diameter<br>Le plus grand Ø intérieur de fixation<br>Ø interior máximo | Produktionslänge<br>Production length<br>Longuer de production<br>Longitud de suministro | Lmin<br><br>Length<br>min<br><br>Longueur<br>min<br><br>Longitud<br>min. | Lmax<br><br>Length<br>max<br><br>Longueur<br>max<br><br>Longitud<br>máx. | Seite<br><br>Page<br><br>Pagina |
|------------|--|--|--|--|--|---------------------------------|
| F 1197 NBR | 80   | 80   | 230  | 50   | 330  | 55                              |
| F 1224 NBR | 80   | 80   | 210  | 50   | 250  | 55                              |
| F 4001 NBR | 80   | 85   | 160  | 50   | 130  | 55                              |
| F 1225 NBR | 81   | 81   | 85   | 15   | 100  | 56                              |
| F 1118 NBR | 85   | 85   | 60   | 13   | 120  | 57                              |
| F 1201 NBR | 85   | 85   | 285  | 55   | 460  | 56                              |
| F 1221 NBR | 85   | 85   | 210  | 40   | 260  | 56                              |
| F 4079 NBR | 85   | 90   | 131  | 25   | 120  | 56                              |
| F 1071 NBR | 90   | 90   | 88   | 31   | 190  | 57                              |
| F 1090 NBR | 90   | 90   | 80   | 12   | 95   | 57                              |
| F 1217 NBR | 90   | 90   | 210  | 50   | 320  | 57                              |
| F 1089 NBR | 92   | 118  | 90   | 31   | 200  | 57                              |
| F 1070 NBR | 95   | 95   | 100  | 38   | 190  | 58                              |
| F 1237 NBR | 95   | 95   | 220  | 60   | 310  | 58                              |
| F 1111 NBR | 98   | 98   | 100  | 18   | 140  | 58                              |
| F 1113 NBR | 98   | 98   | 80   | 12   | 85   | 58                              |
| F 1074 NBR | 100  | 100  | 105  | 33   | 200  | 59                              |
| F 1218 NBR | 100  | 100  | 200  | 40   | 250  | 59                              |
| F 4059 NBR | 100  | 100  | 353  | 90   | 350  | 59                              |
| F 9000 NBR | 100  | 140  | 150  | 28   | 200  | 58                              |
| F 4056 NBR | 105  | 105  | 130  | 30   | 110  | 60                              |
| F 1085 NBR | 110  | 155  | 67   | 14   | 90   | 60                              |
| F 1216 NBR | 110  | 110  | 225  | 60   | 280  | 60                              |
| F 4060 NBR | 110  | 110  | 131  | 50   | 125  | 60                              |
| F 1068 NBR | 114  | 116  | 170  | 43   | 250  | 61                              |
| F 1172 NBR | 120  | 120  | 230  | 57   | 400  | 61                              |
| F 1204 NBR | 127  | 127  | 185  | 40   | 220  | 61                              |
| F 1170 NBR | 130  | 130  | 210  | 55   | 360  | 62                              |
| F 1203 NBR | 130  | 130  | 100  | 15   | 140  | 61                              |
| F 1181 NBR | 137  | 137  | 310  | 80   | 400  | 62                              |
| F 1046 NBR | 140  | 140  | 98   | 19   | 120  | 62                              |
| F 1110 NBR | 140  | 176  | 105  | 17   | 120  | 62                              |
| F 1082 NBR | 148  | 148  | 120  | 36   | 145  | 63                              |
| F 1077 NBR | 150  | 180  | 140  | 32   | 200  | 63                              |
| F 1240 NBR | 150  | 150  | 280  | 80   | 470  | 63                              |
| F 1079 NBR | 155  | 165  | 180  | 45   | 300  | 63                              |
| F 1066 NBR | 160  | 186  | 220  | 75   | 330  | 64                              |
| F 1122 NBR | 180  | 220  | 75   | 11   | 110  | 64                              |
| F 1067 NBR | 210  | 210  | 200  | 45   | 350  | 64                              |
| F 1069 NBR | 260  | 280  | 265  | 80   | 600  | 65                              |
| F 3077 NBR | variabel   | variabel   | 210  | 45   | 140  | 66                              |
|            |  |  |  |  |  |                                 |
|            |  |  |  |  |  |                                 |
|            |  |  |  |  |  |                                 |

## Schlauchschellen / Hose Clamps

Benötigen Sie auch Schlauchschellen? Kein Problem. Die liefern wir auf Wunsch gern mit (bitte denken Sie an die richtige Menge):

Schneckengewindeschellen DIN 3017, Werkstoff W2,  
 Band und Gehäuse aus Chromstahl (1.4016/AISI 430),  
 Schraube verzinkt SW 7, Bandbreite 9 mm

*Do you also need fixing clamps? No problem. On request, we can supply you with (please consider the right amount of clamps):*

*Hose Clamps DIN 3017,  
 band housing chromium-steel (1.4016/AISI 430),  
 screw zinc plated A/F 7 mm, band width 9 mm*

| Art. No.   | Ø/diameter<br>in mm |
|------------|---------------------|
| F-0008-12  | 8-12                |
| F-0010-16  | 10-16               |
| F-0016-27  | 16-27               |
| F-0025-40  | 25-40               |
| F-0040-60  | 40-60               |
| F-0060-80  | 60-80               |
| F-0080-100 | 80-100              |
| F-0100-120 | 100-120             |
| F-0120-140 | 120-140             |
| F-0140-160 | 140-160             |
| F-0160-180 | 160-180             |
| F-0180-200 | 180-200             |
| F-0200-220 | 200-220             |
| F-0220-240 | 220-240             |
| F-0240-260 | 240-260             |
| F-0260-280 | 260-280             |
| F-0280-300 | 280-300             |

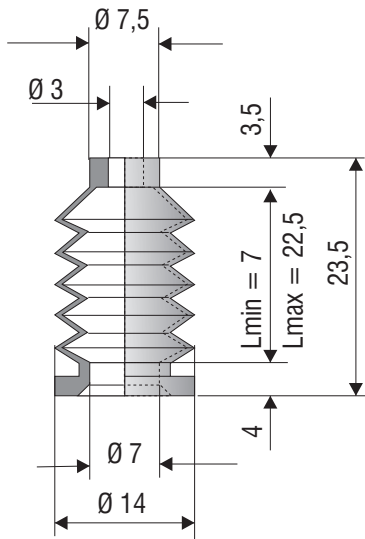




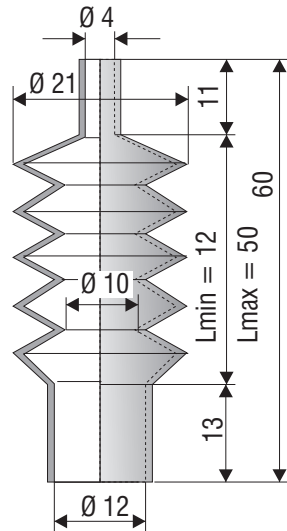
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 3 - 4,5 mm

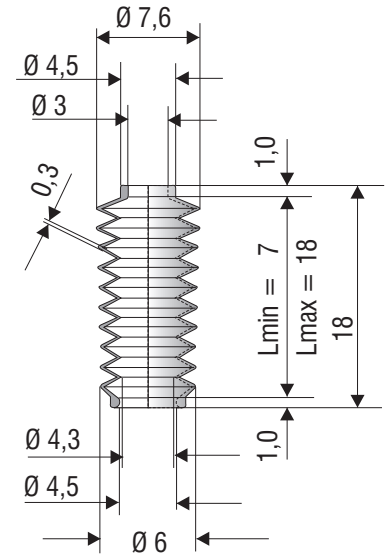
**F 1092 NBR**



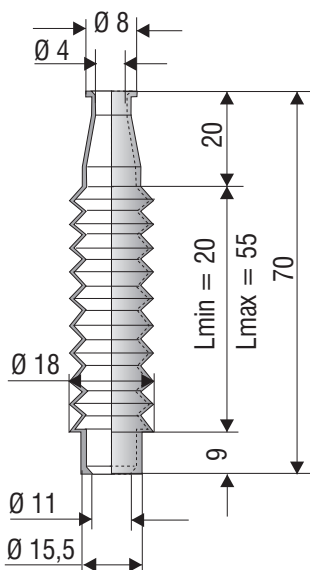
**F 1138 NBR**



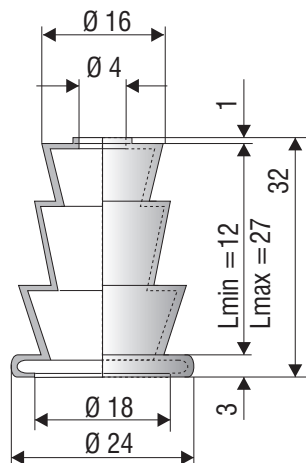
**F 2033 NBR**



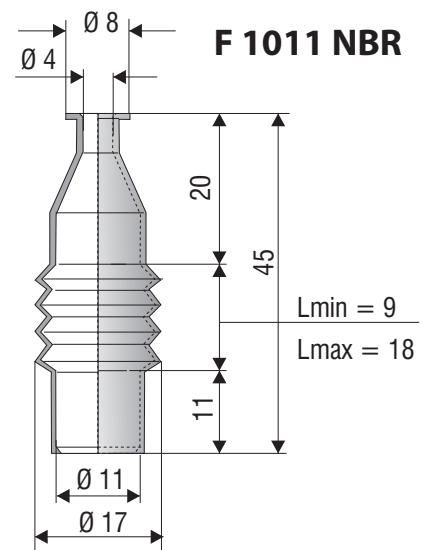
**F 1045 NBR**



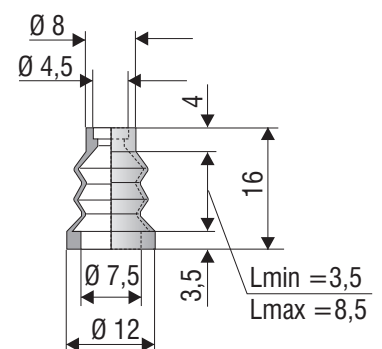
**F 1117 NBR**



**F 1011 NBR**



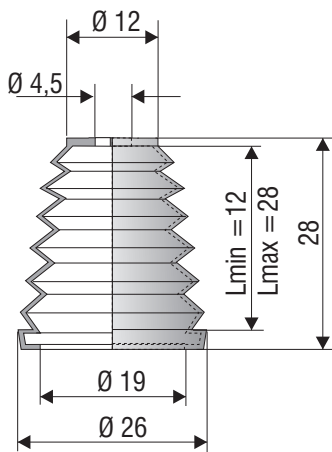
**F 1035 NBR**



# Vulkanisierte Faltenbälge / Moulded Bellows

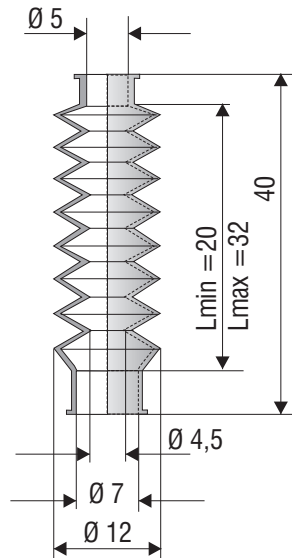
Ø 4,5 - 5,5 mm

**F 1100 NBR**

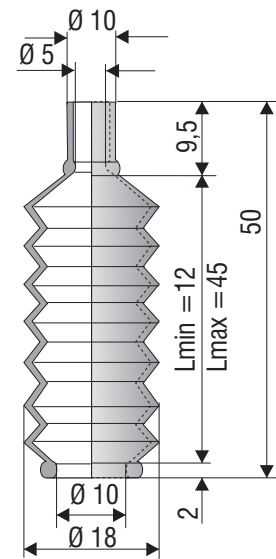


**F 1098 NBR**

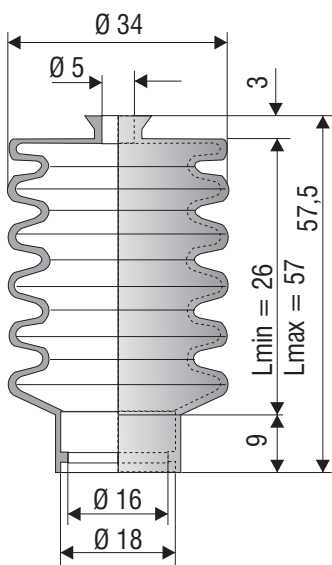
schwarz/black  
 grau/grey



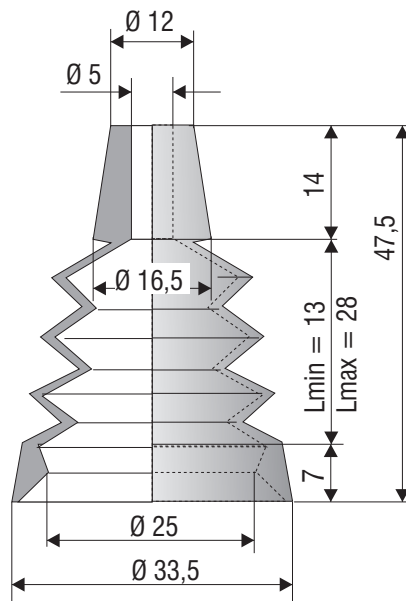
**F 1187 NBR**



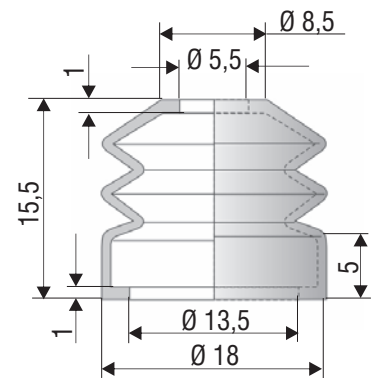
**F 1047 NBR**



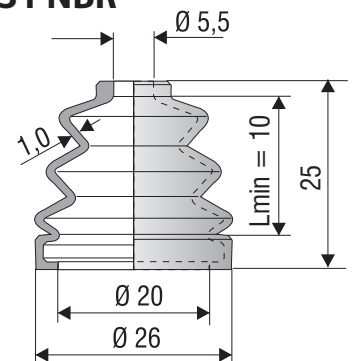
**F 1042 NBR**



**F 2133 CR**



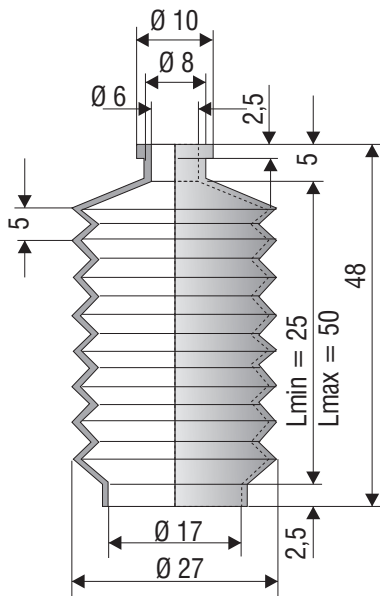
**F 4031 NBR**



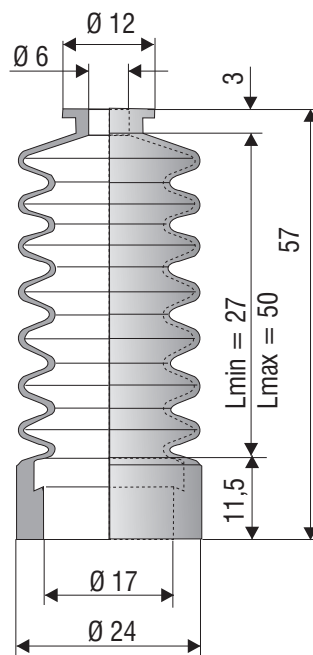
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 6 - 7 mm

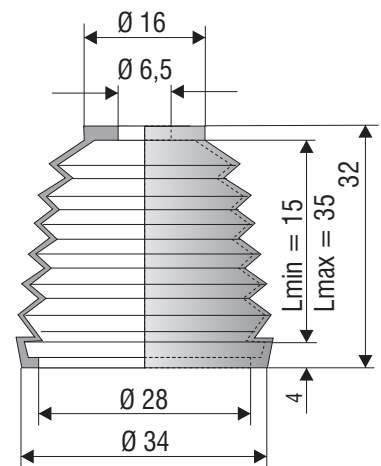
**F 1129 NBR**



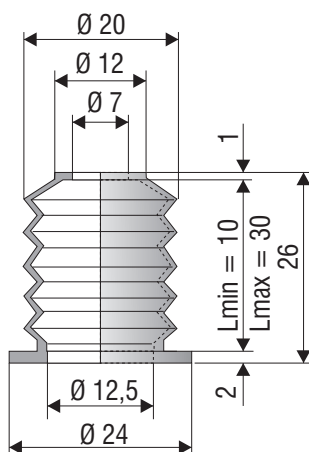
**F 1041 NBR**



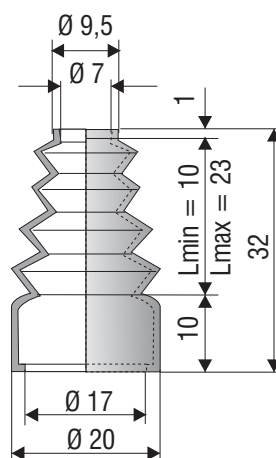
**F 1101 NBR**



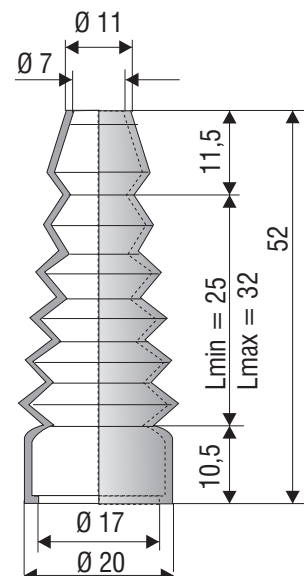
**F 1084 NBR  
F 1084 Si**



**F 1022 NBR**



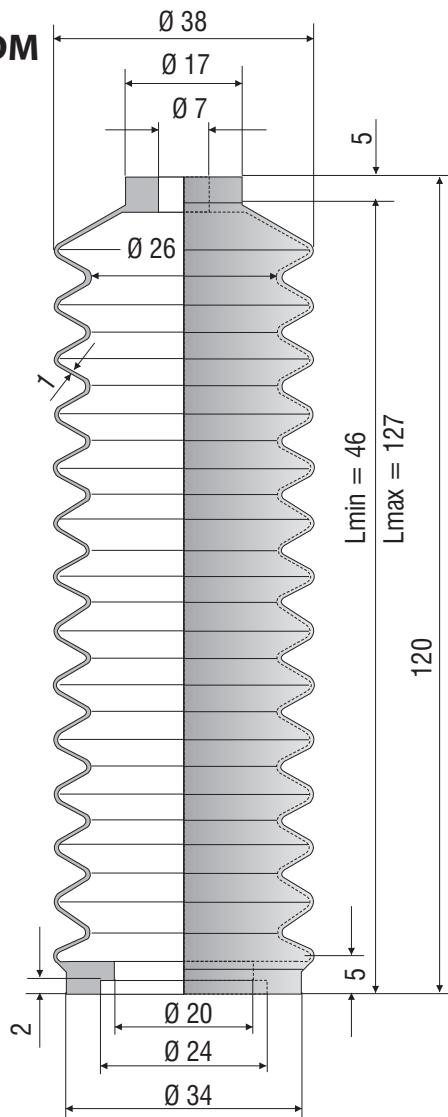
**F 1023 NBR**



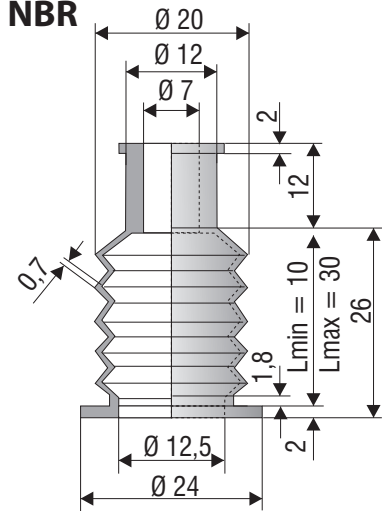
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 7 - 8 mm

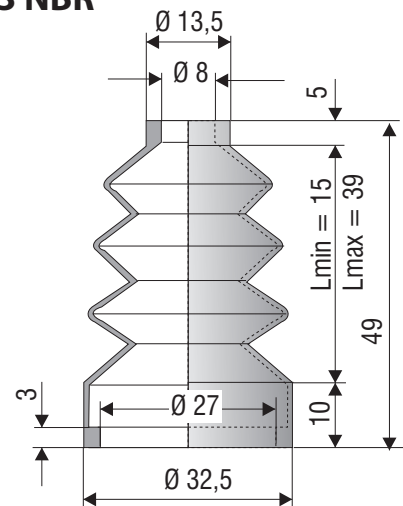
**F 2231 EPDM**



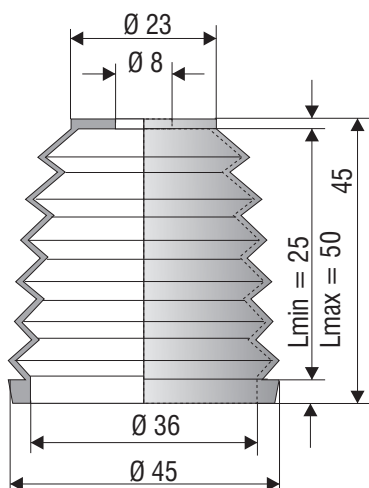
**F 2104 NBR**



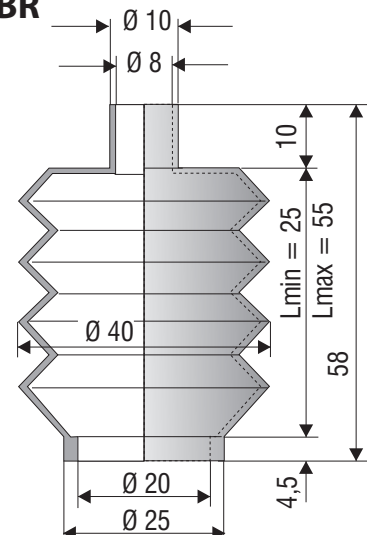
**F 1143 NBR**



**F 1102 NBR**



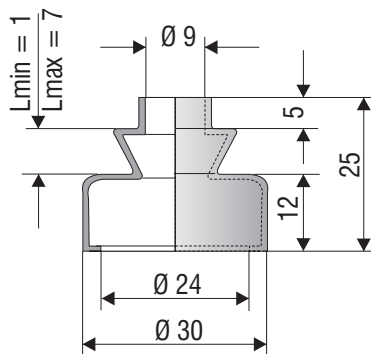
**F 1133 NBR**



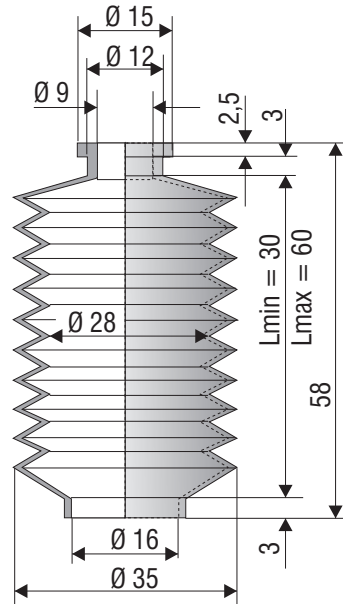
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 9 - 10 mm

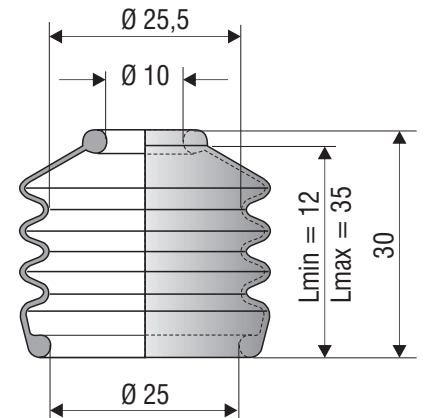
**F 1032 NBR**



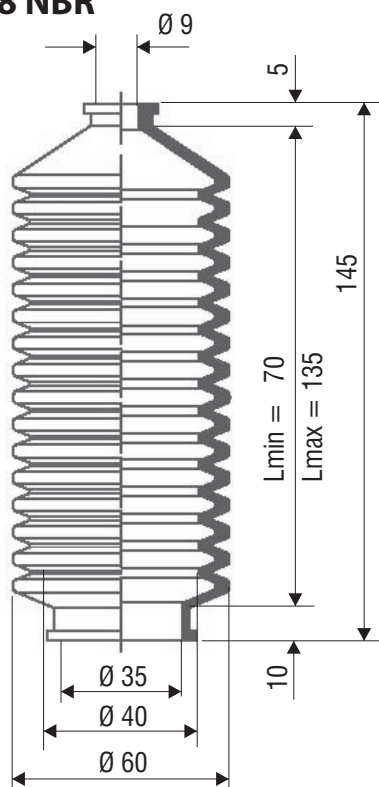
**F 1130 NBR**



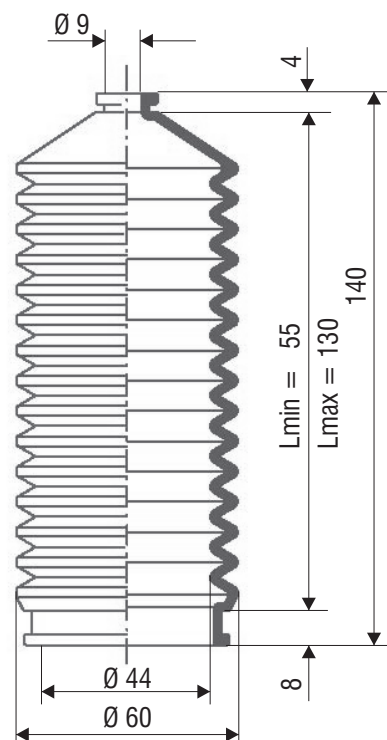
**F 9011 NBR**



**F 3038 NBR**



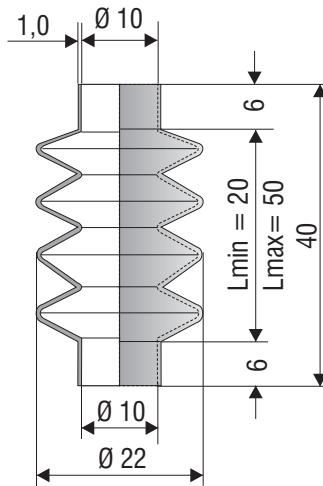
**F 3037 NBR**



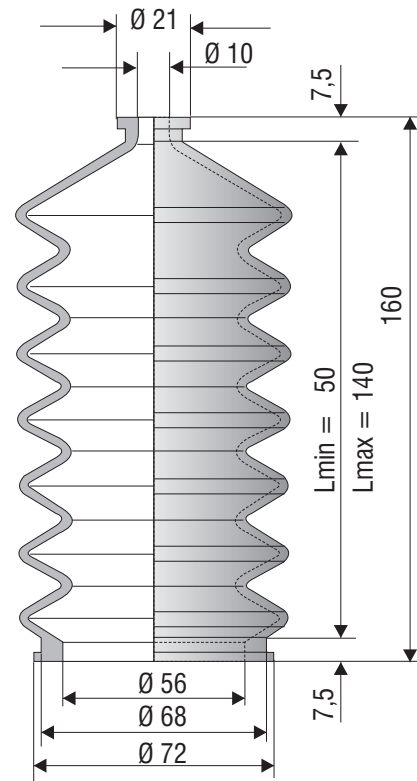
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 9 - 10 mm

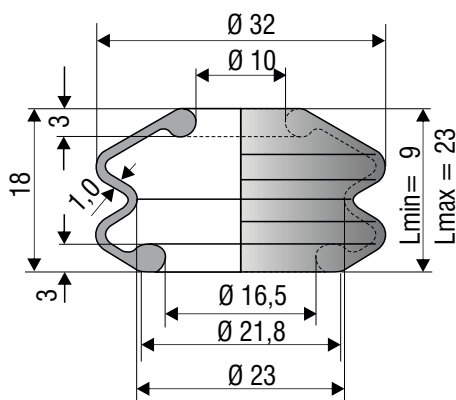
**F 1251 NBR**



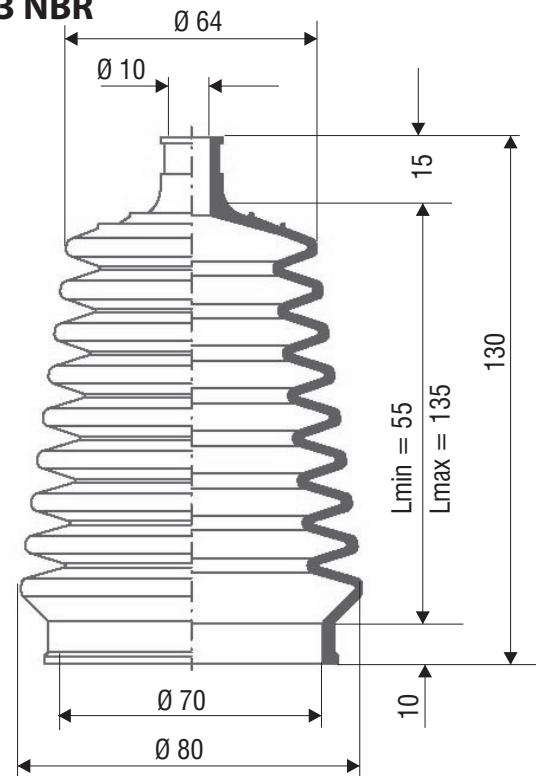
**F 2107 CR**



**F 2246 NBR**  
**F 2246 CR**



**F 3003 NBR**

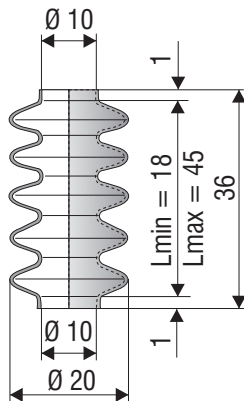




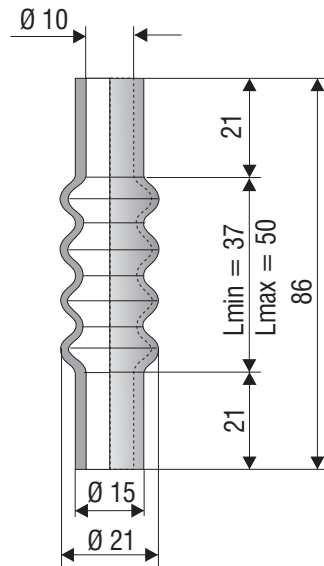
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 9,5 - 10,5 mm

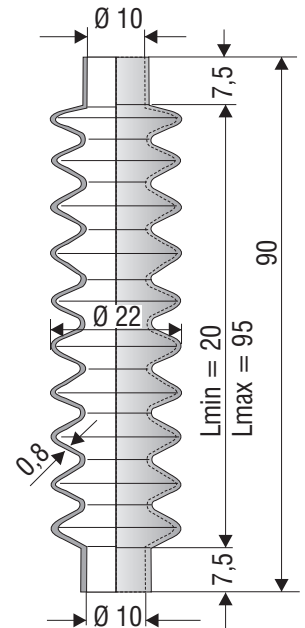
**F 1044 NBR**



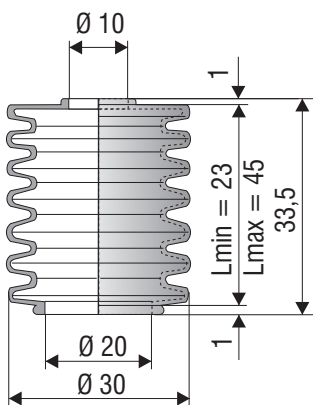
**F 1193 NBR**



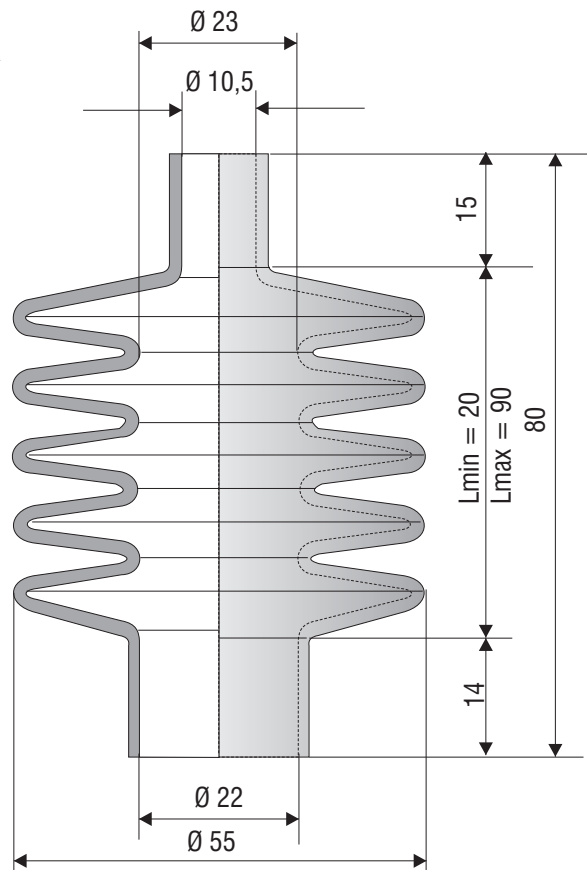
**F 1236 NBR**



**F 1048 NBR  
 F 1048 Si**



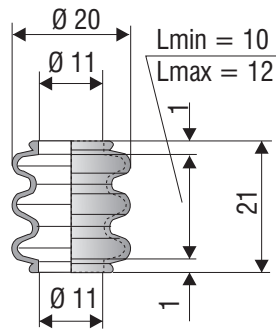
**F 4029 NBR**



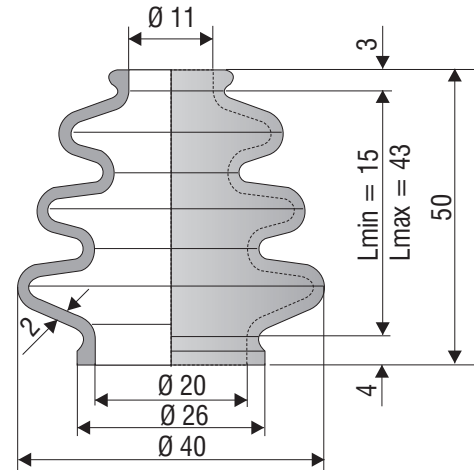
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 11 mm

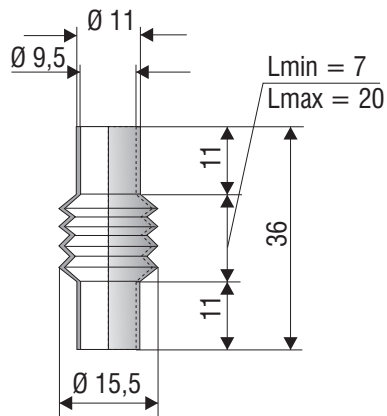
**F 1037 NBR**



**F 4027 NBR**

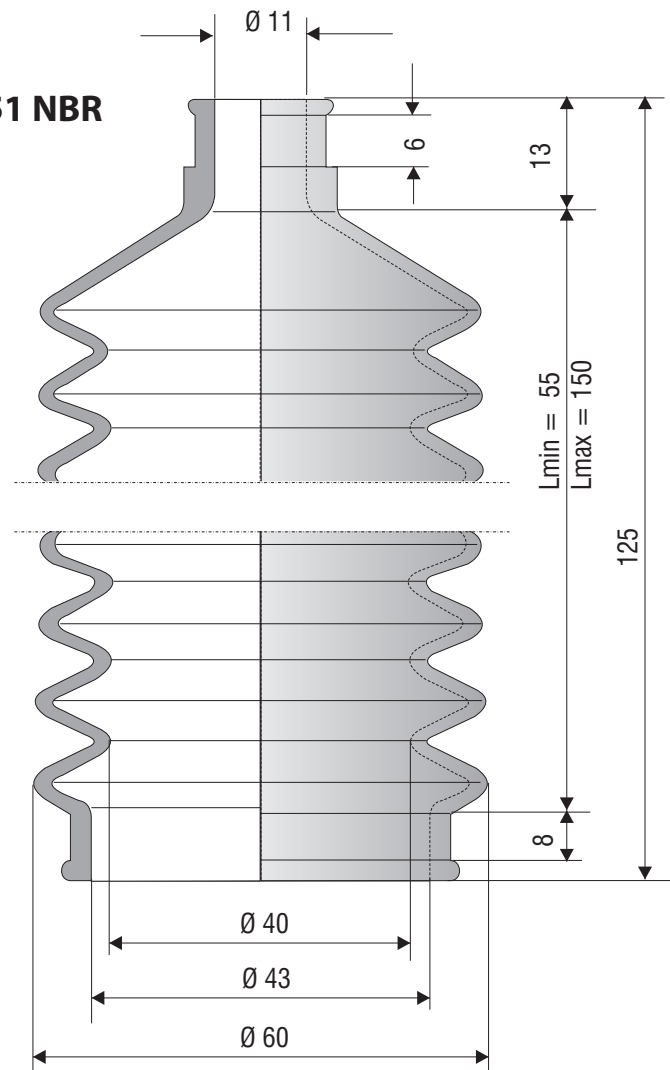


**F 1185 NBR**

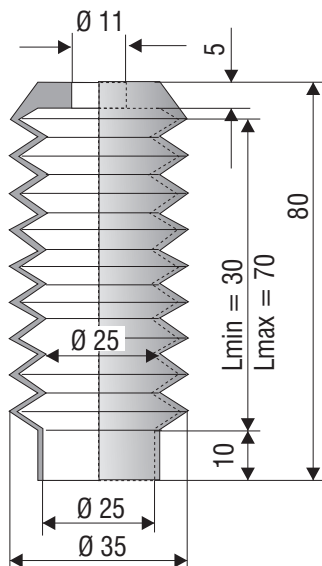


**F 4051 NBR**

9 Falten



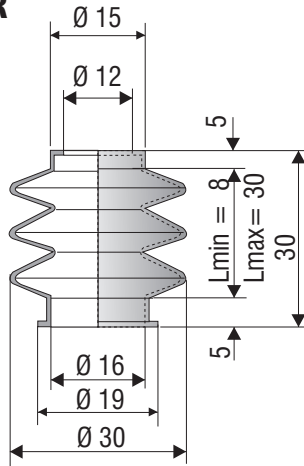
**F 1162 NBR**



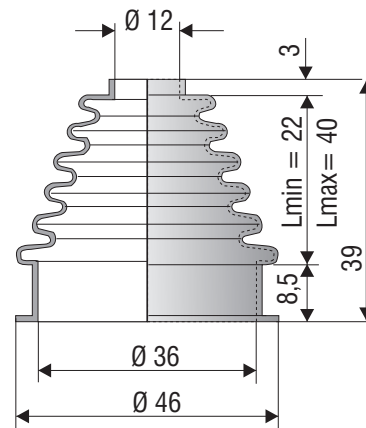
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 12 - 12,5 mm

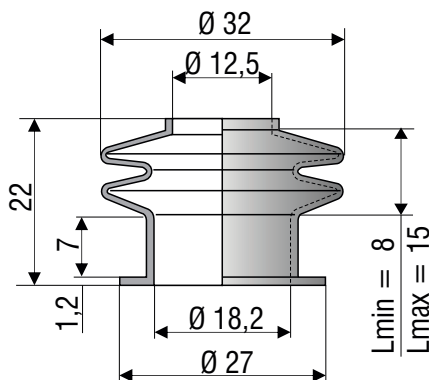
**F 1010 NBR**  
**F 1010 Si**



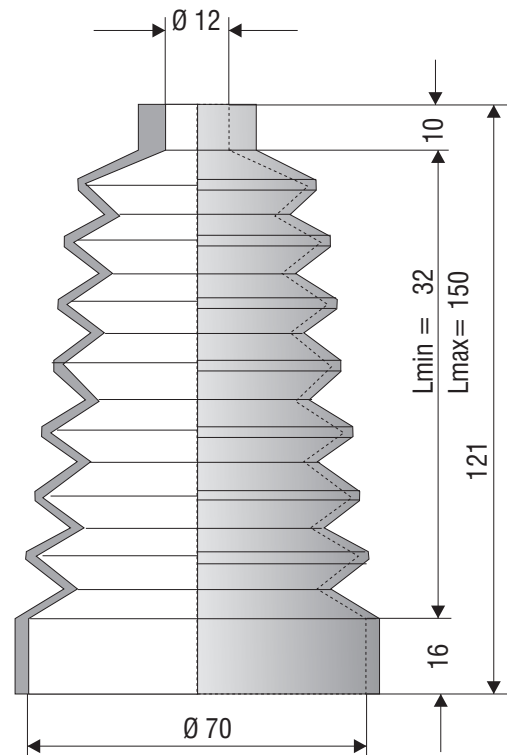
**F 1080 NBR**



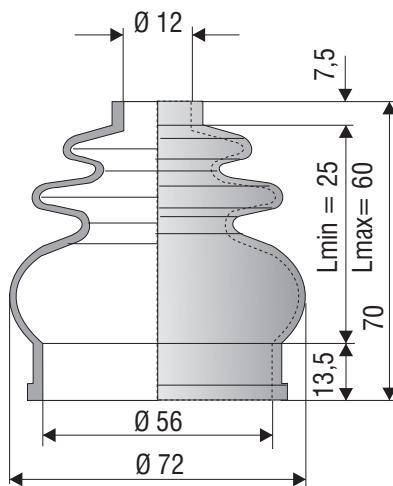
**F 4026 NBR**



**F 1050 NBR**



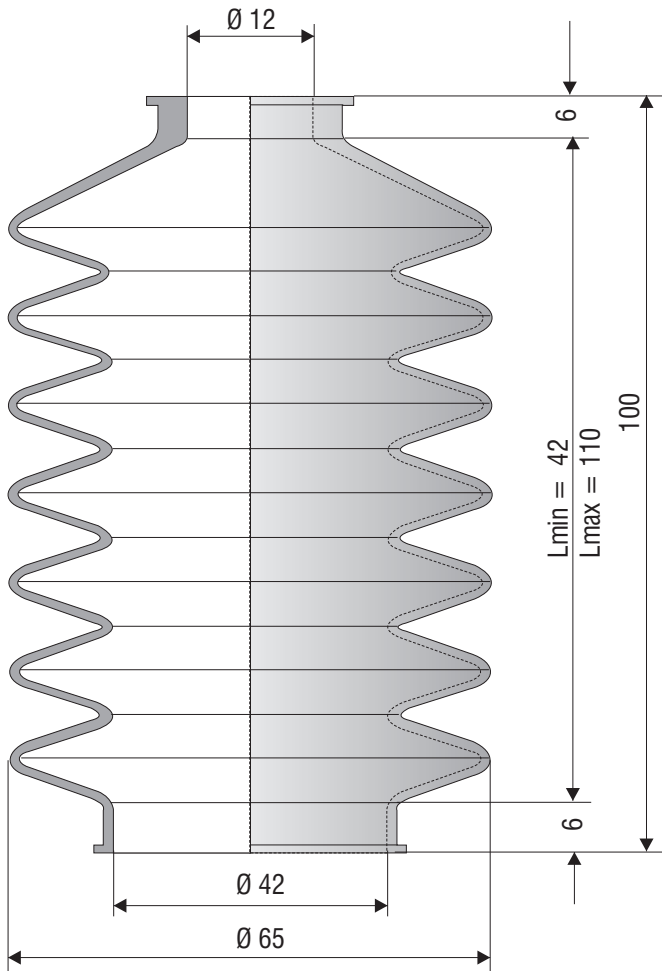
**F 1039 NBR**



# Vulkanisierte Faltenbälge / Moulded Bellows

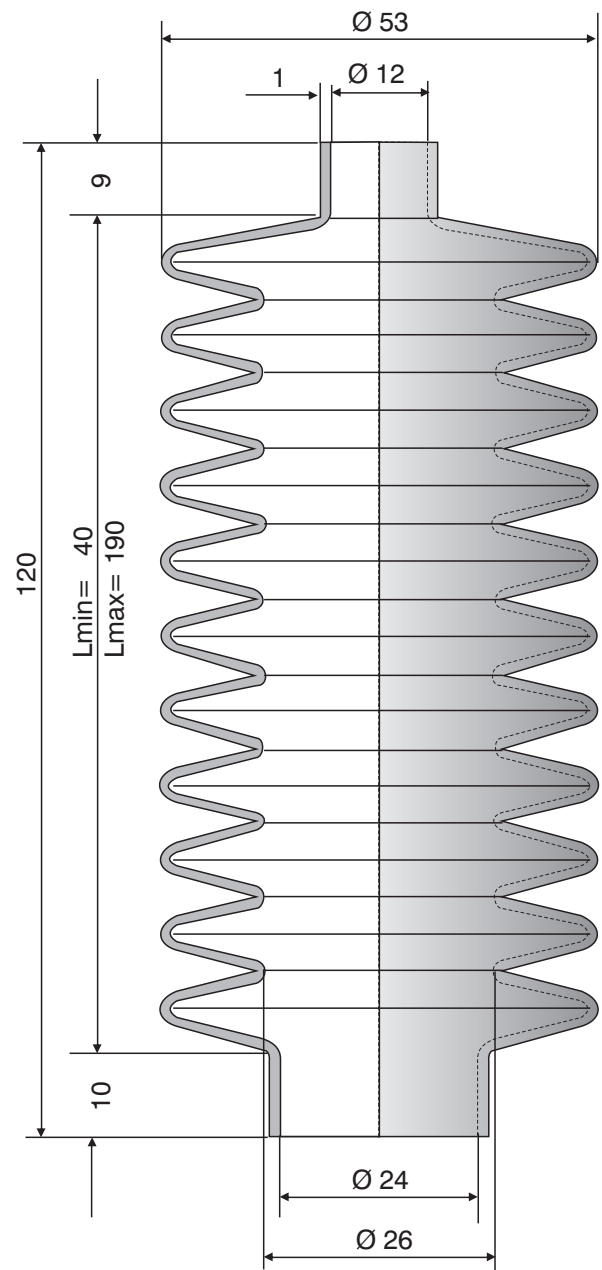
Ø 12 - 13 mm

**F 4054 NBR**

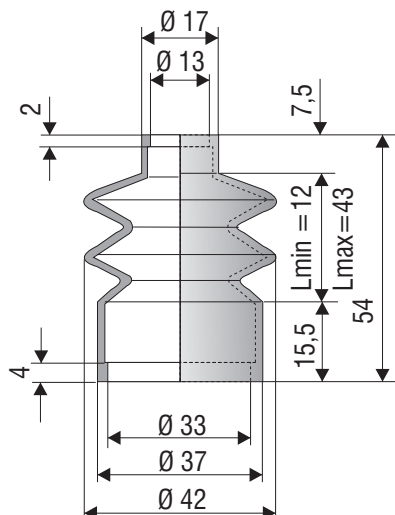


**F 4063 NBR**

11 Falten



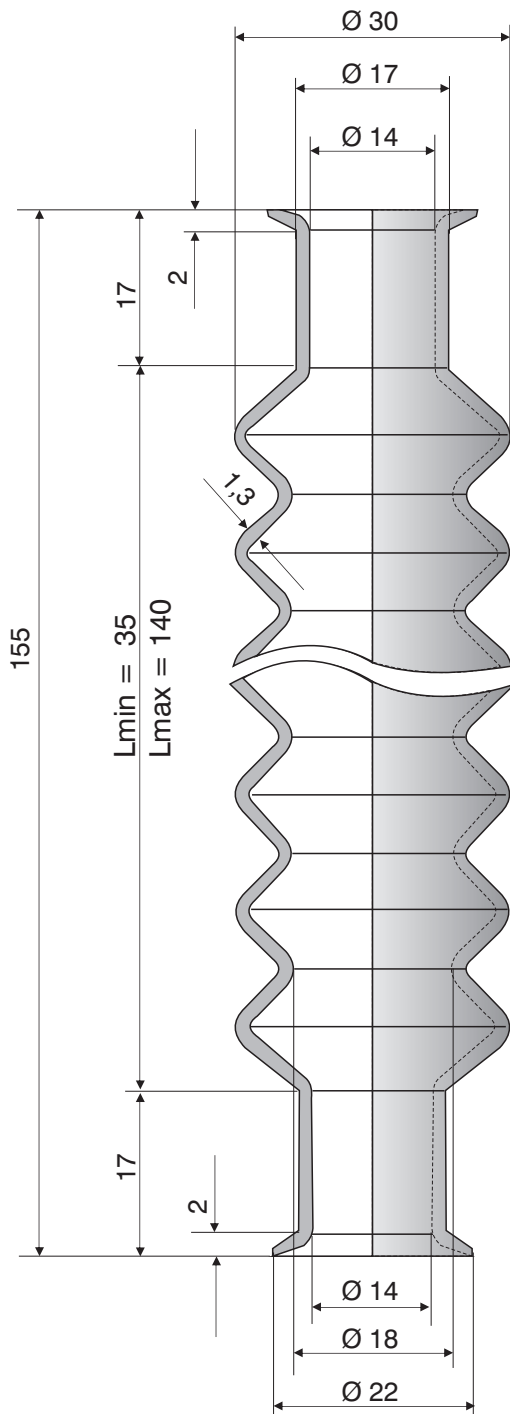
**F 1104 NBR**



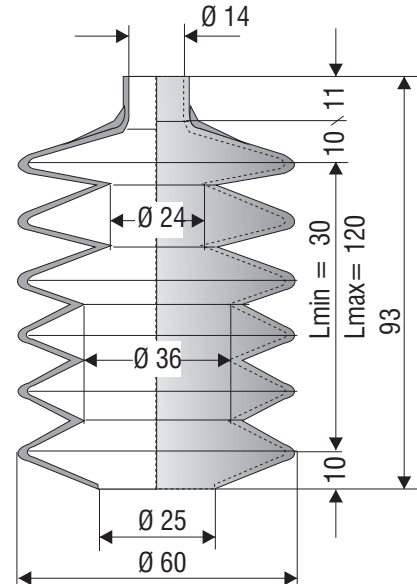
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 14 mm

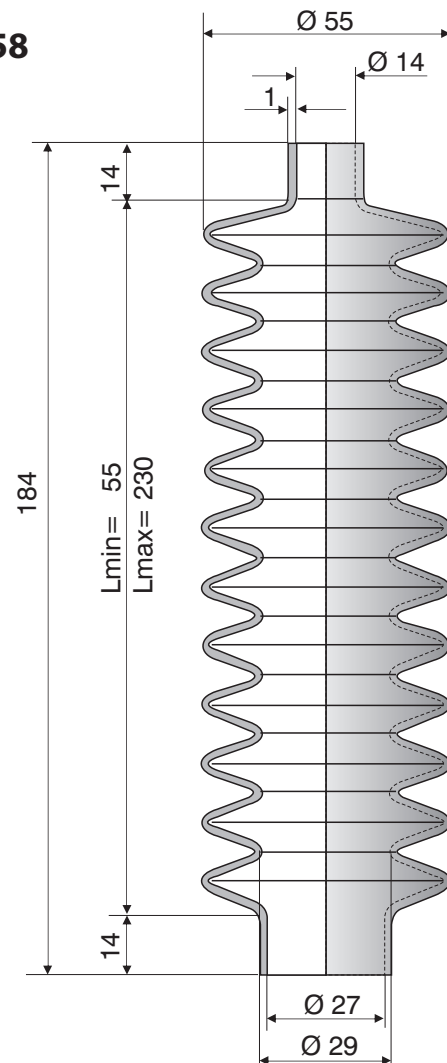
**F 4065 NBR**  
 20 Falten



**F 1155 NBR**



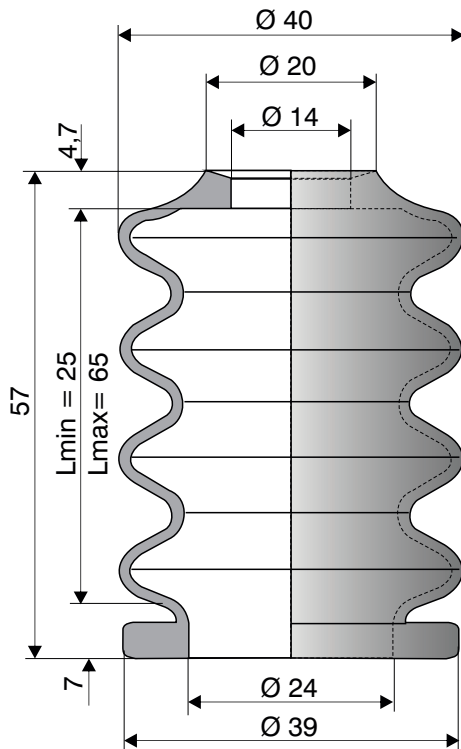
**F 4058**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

Ø 14 mm

**F 2196 CR**

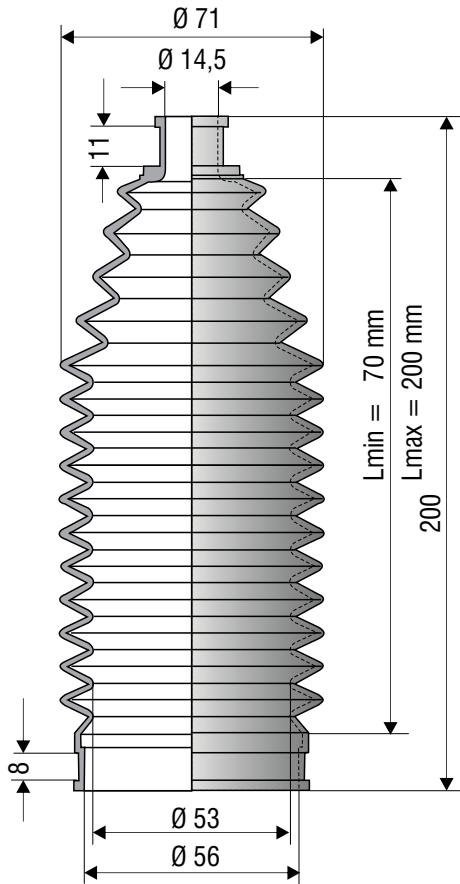




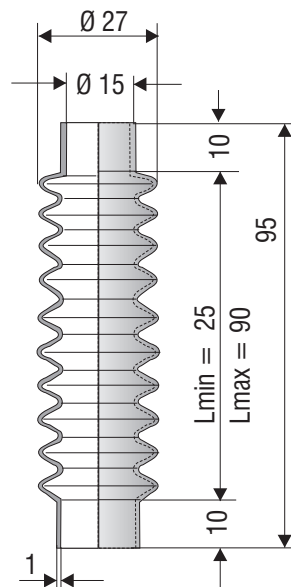
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 14,5 -16 mm

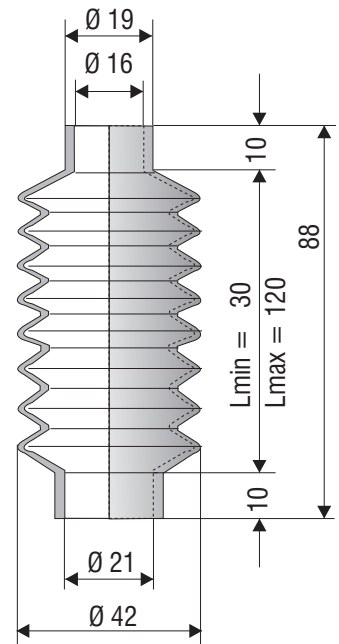
**F 4052 NBR**



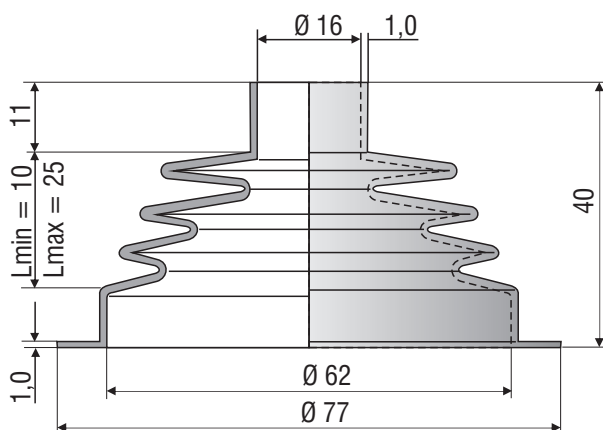
**F 1235 NBR**



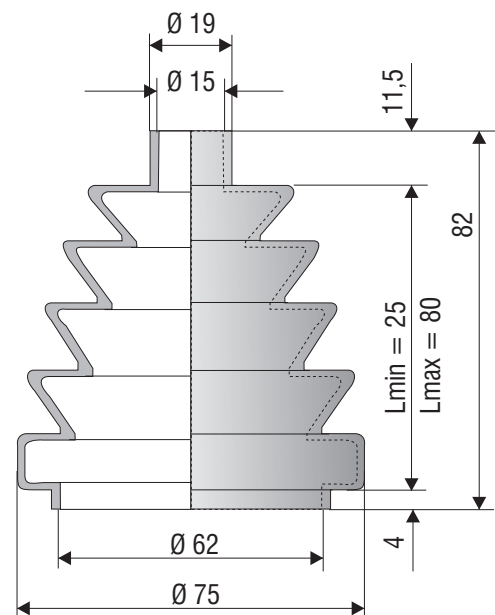
**F 1052 NBR**



**F 9008 NBR**



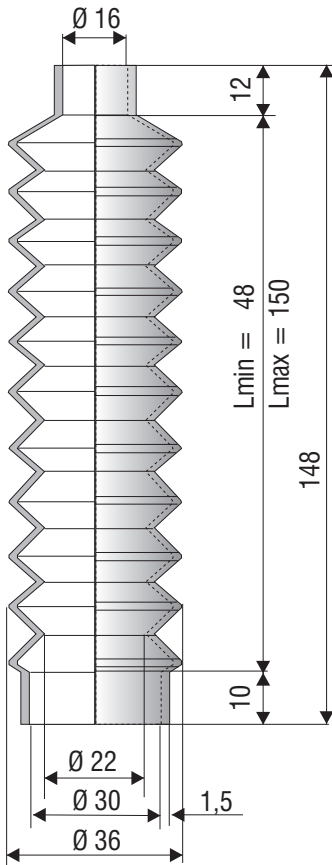
**F 1060 NBR**



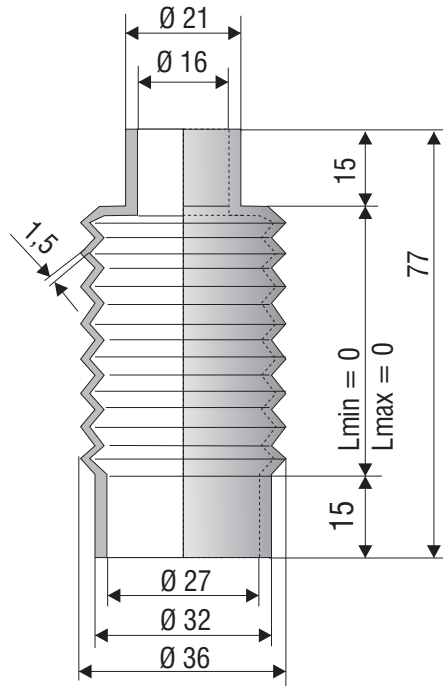
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 16 - 17 mm

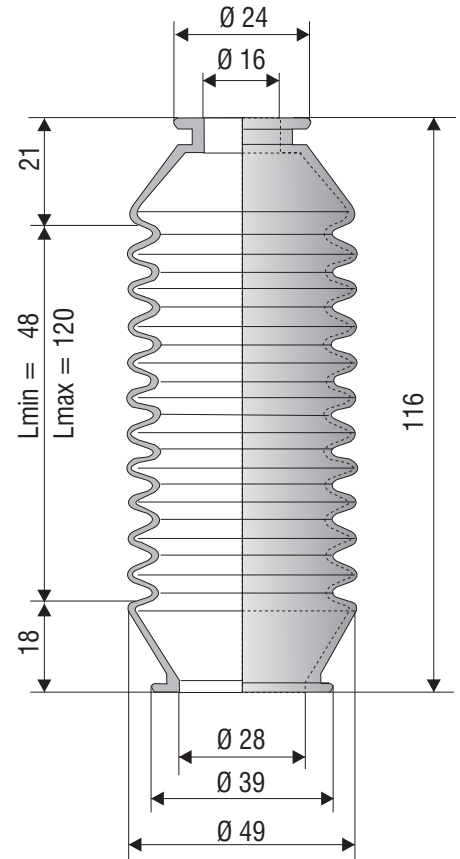
**F 1139 NBR**



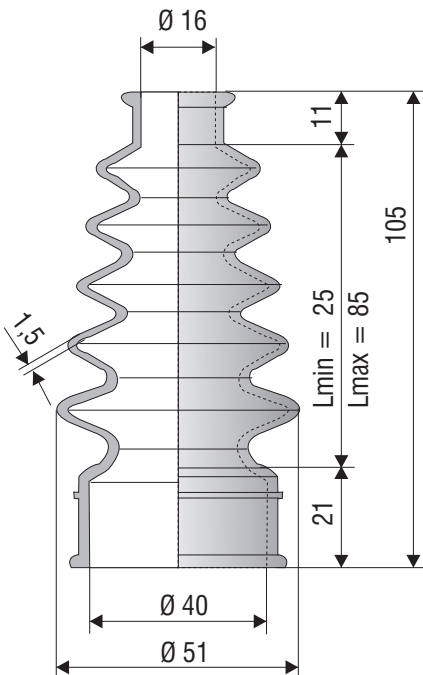
**F 1509 NBR**



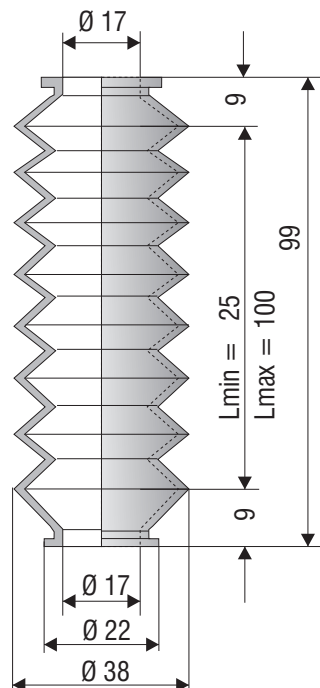
**F 1051 NBR**



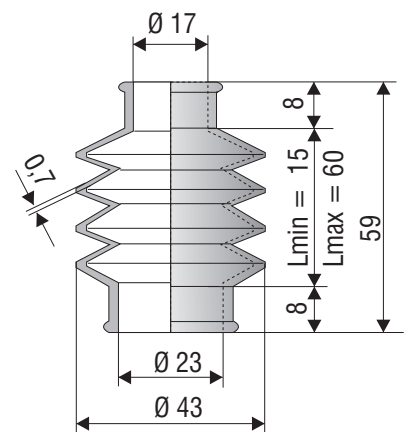
**F 1180 NBR**



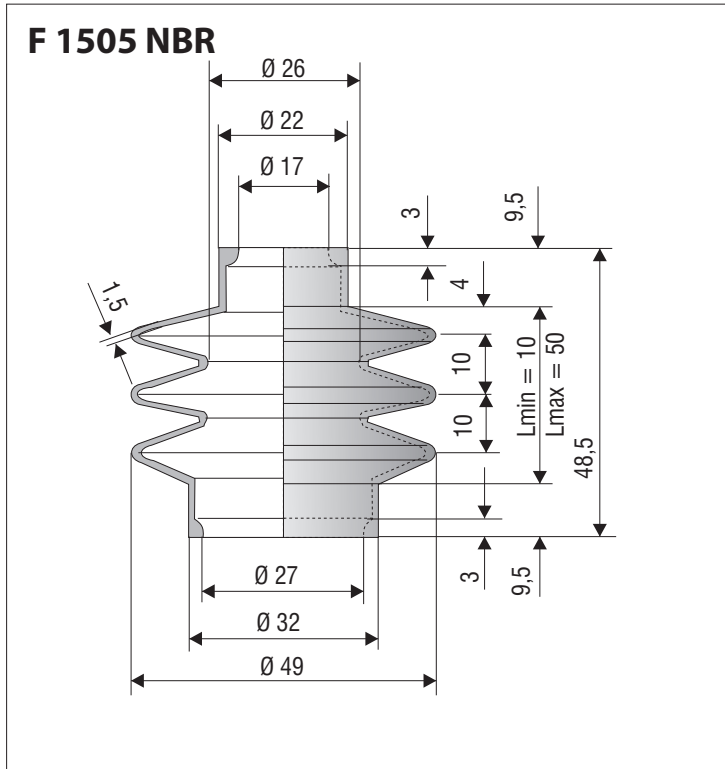
**F 1063 NBR**



**F 1177 NBR**



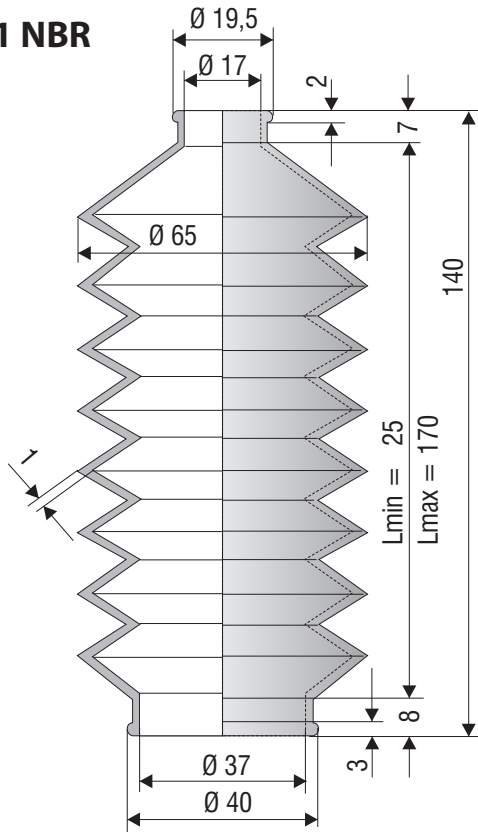
## Vulkanisierte Faltenbälge / *Moulded Bellows*



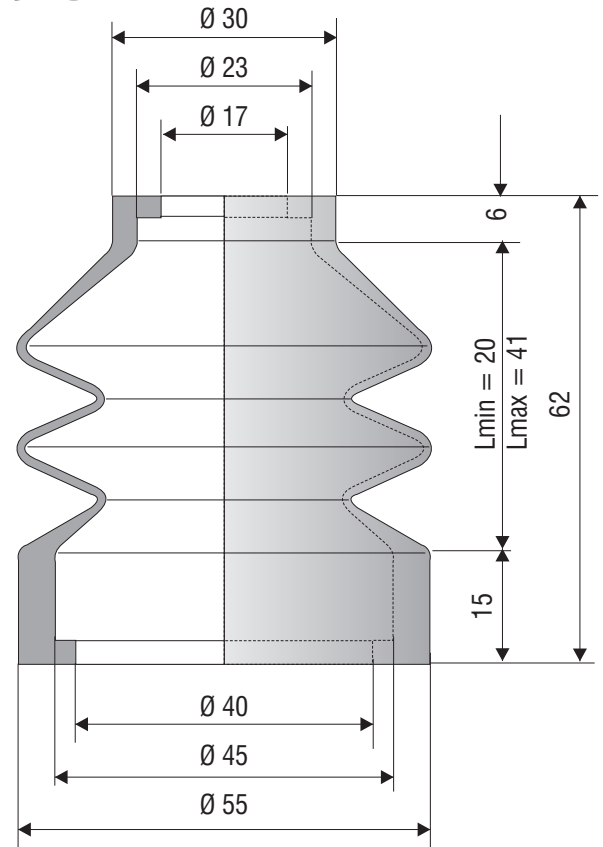
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 17 - 18 mm

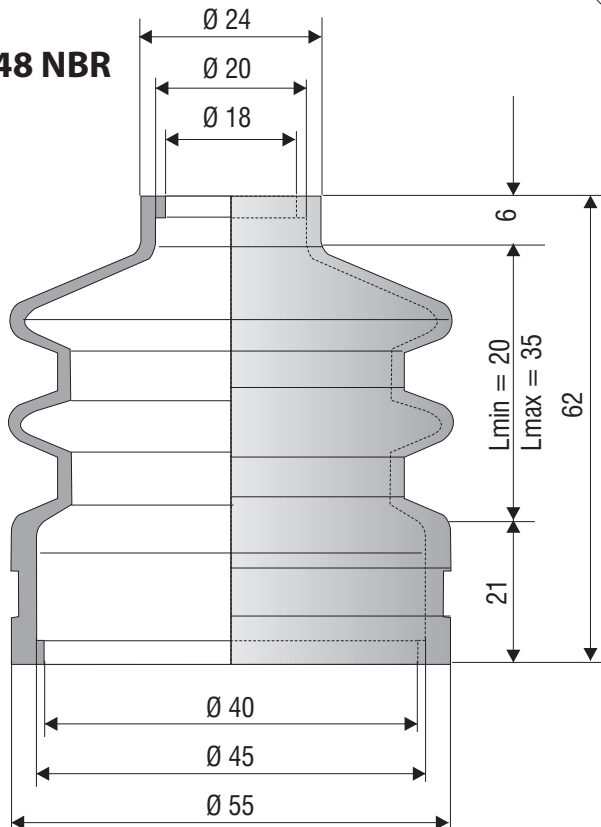
**F 1241 NBR**



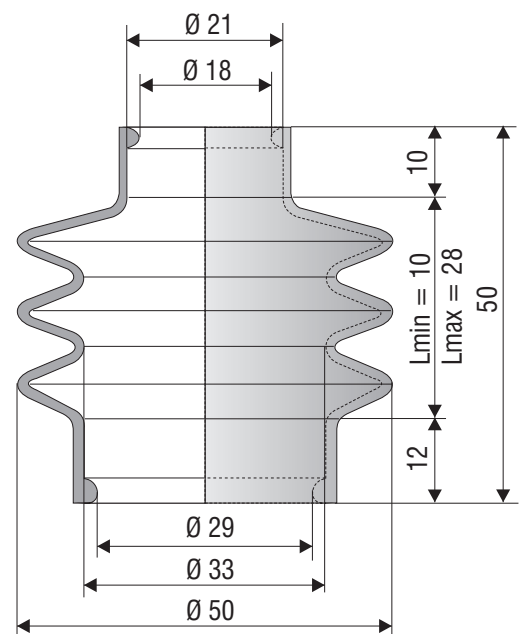
**F 4049 NBR**



**F 4048 NBR**



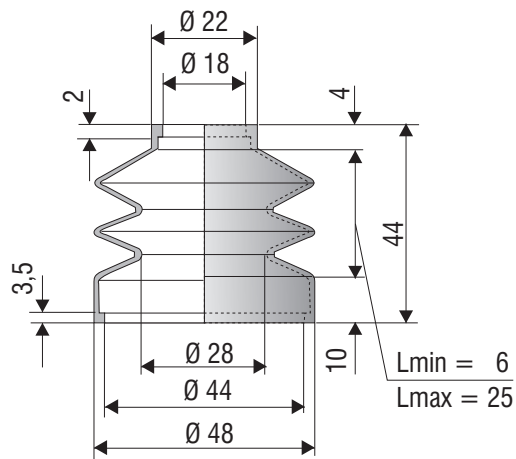
**F 4024 NBR**



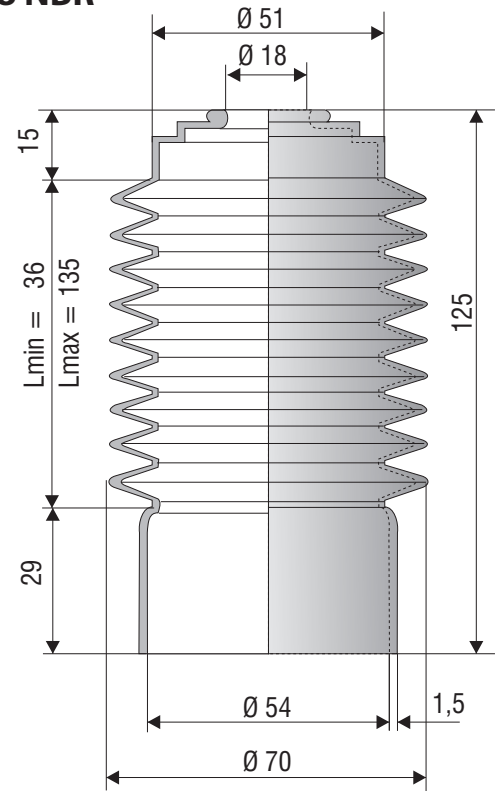
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 18 - 19 mm

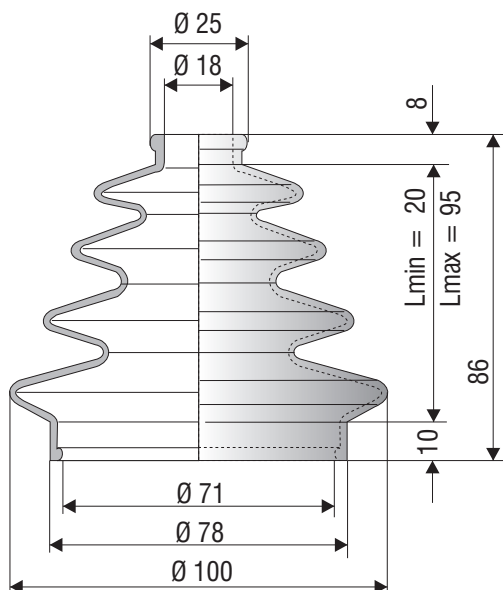
**F 1144 NBR**



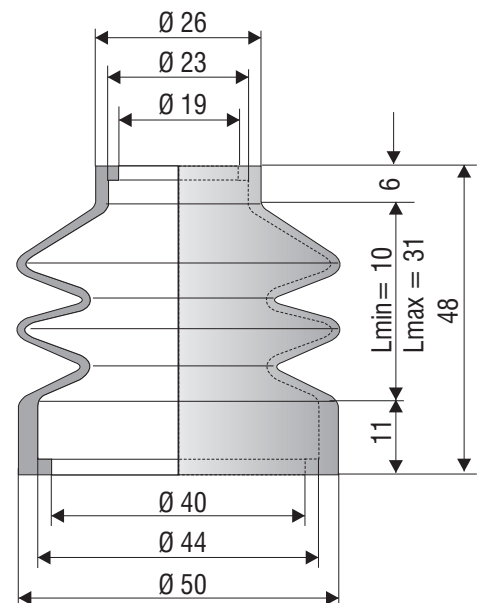
**F 1038 NBR**



**F 1189 NBR**



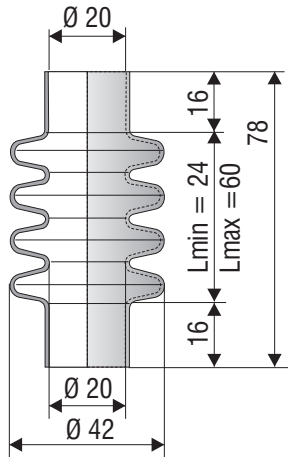
**F 4047 NBR**



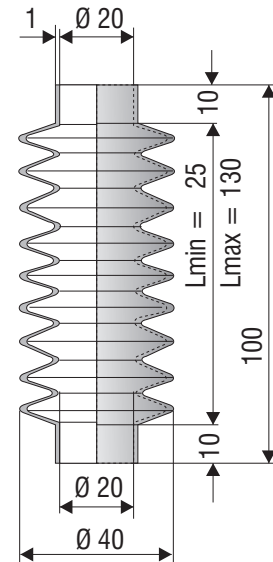
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 20 mm

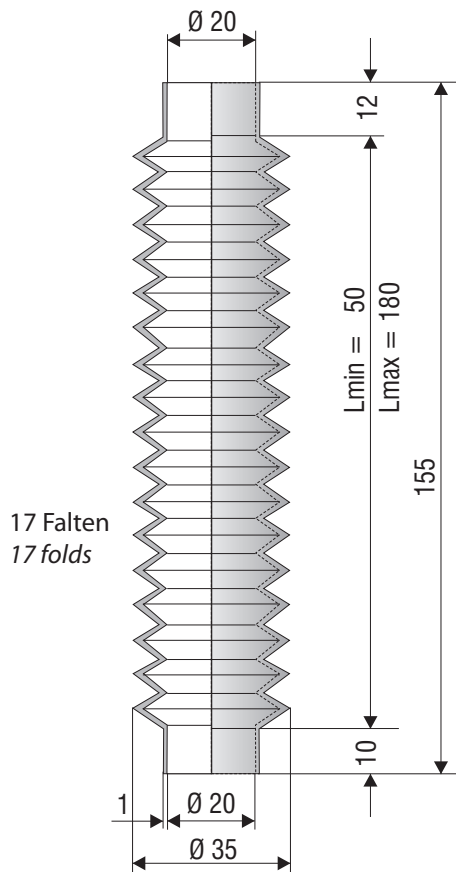
**F 4023 NBR**



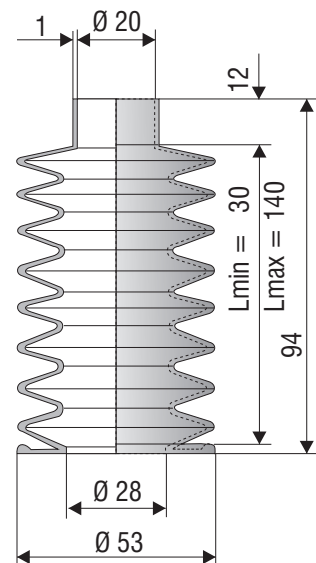
**F 1149 NBR,  
F 1149 Si**



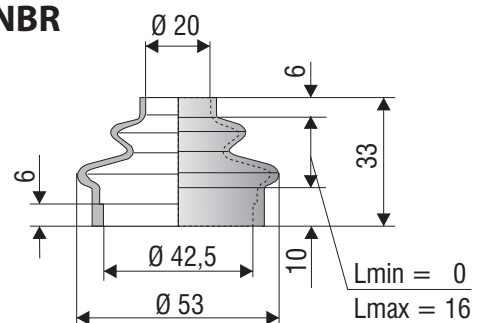
**F 1242 NBR**



**F 1054 NBR**

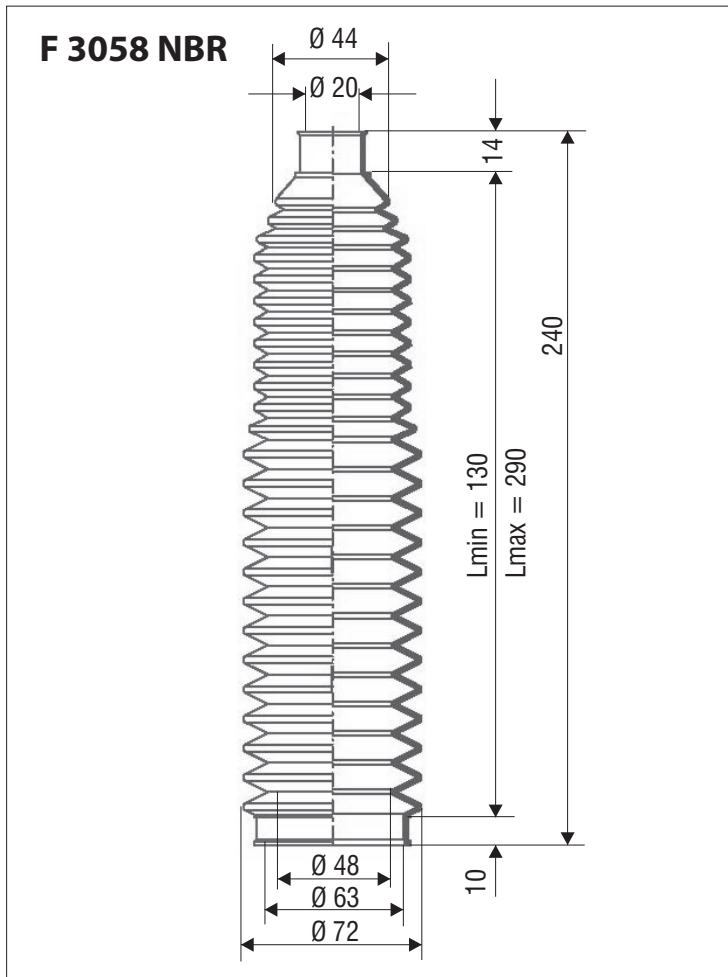


**F 1171 NBR**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

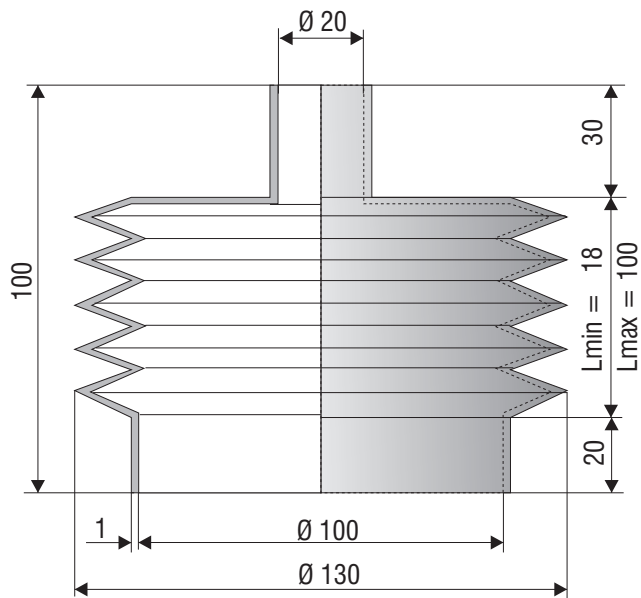
Ø 20 mm



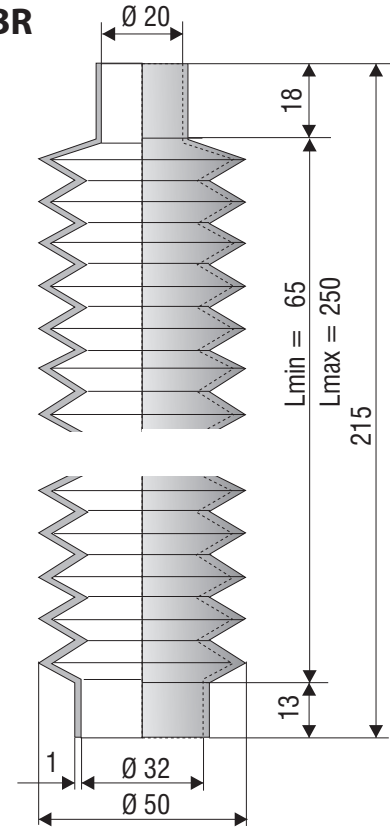
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 20 - 21 mm

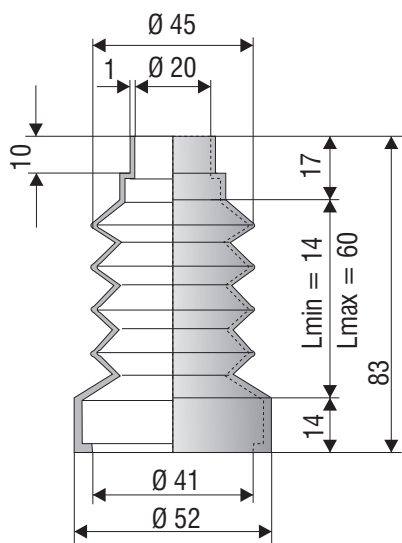
**F 1212 NBR**



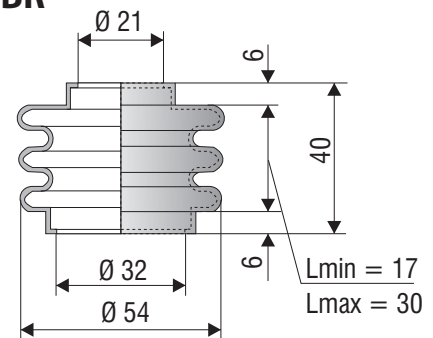
**F 1150 NBR**



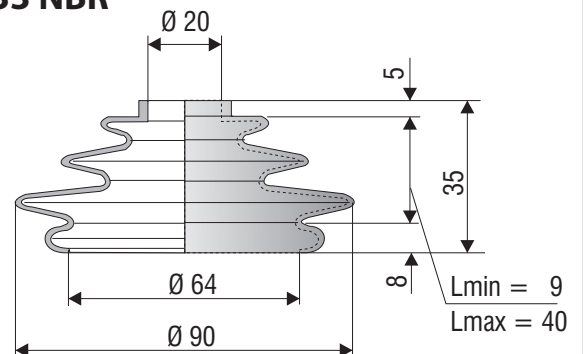
**F 1134 NBR**



**F 1053 NBR**



**F 1033 NBR**

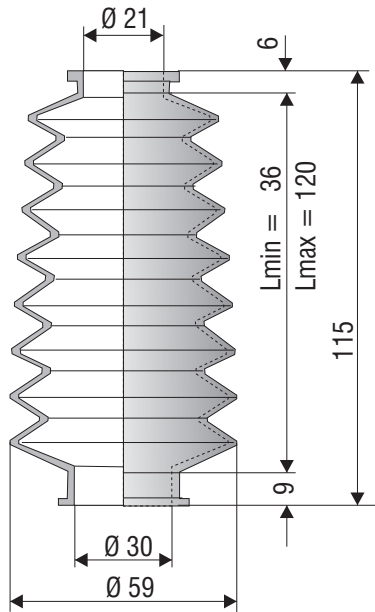




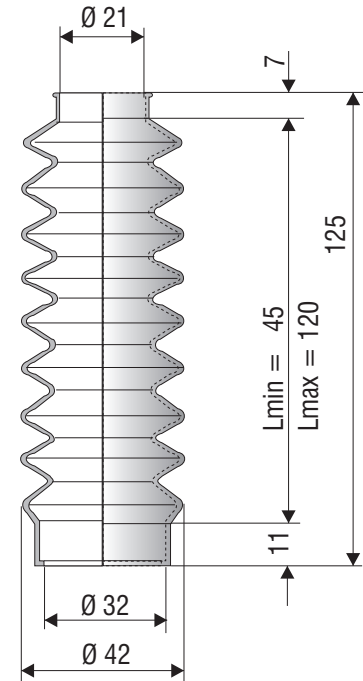
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 21 - 22 mm

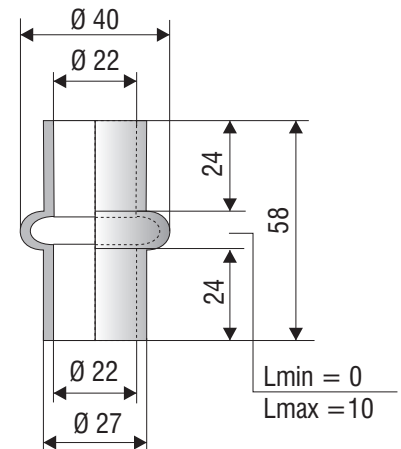
**F 1018 NBR**



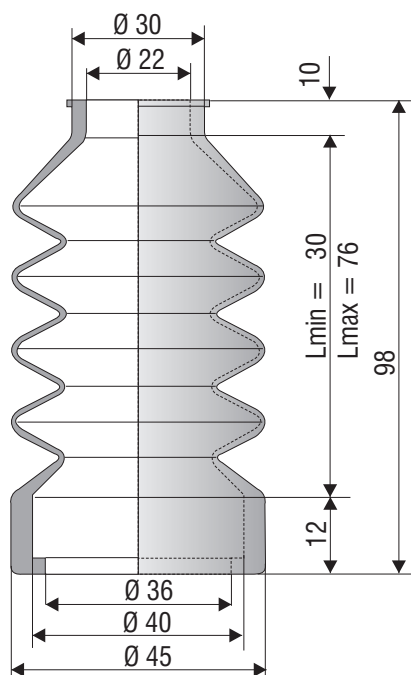
**F 1013 NBR**



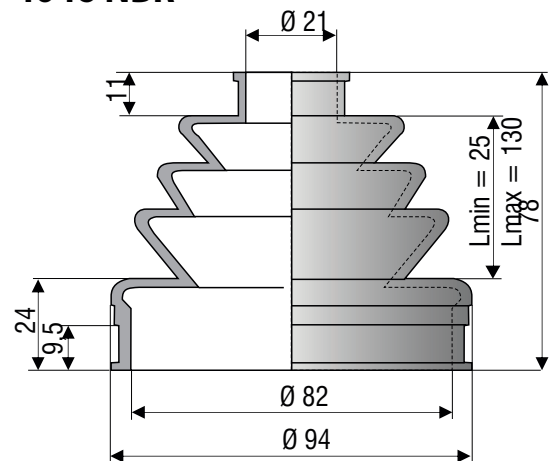
**F 1003 NBR**



**F 4043 NBR**



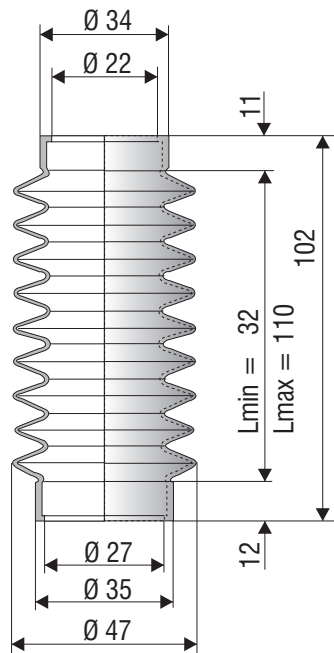
**F 4046 NBR**



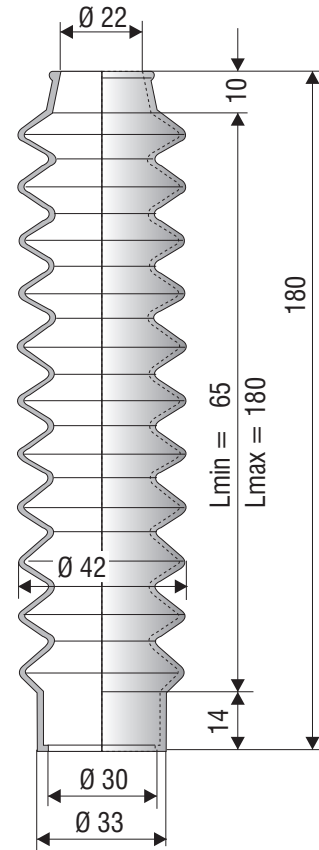
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 22- 23 mm

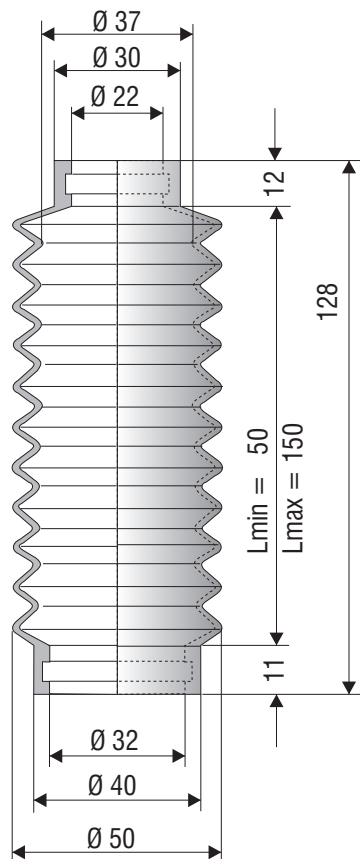
**F 1006 NBR**



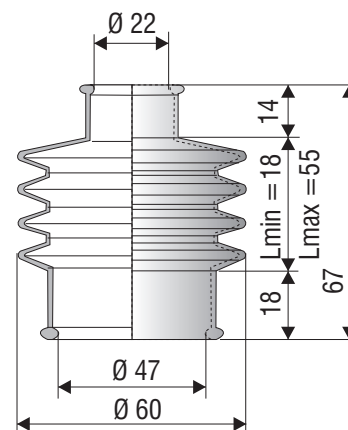
**F 1012 NBR**



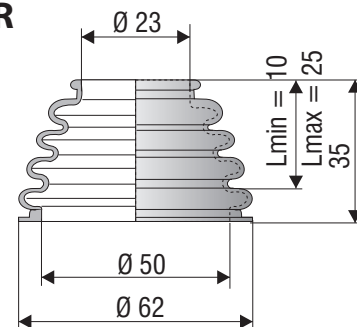
**F 1175 NBR**



**F 1029 NBR**



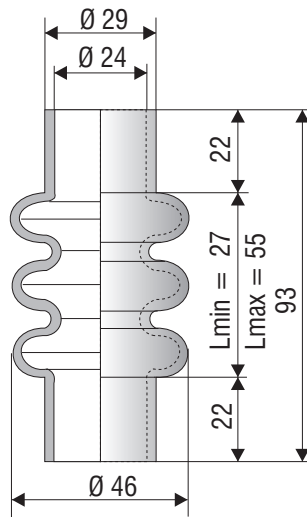
**F 1154 NBR**



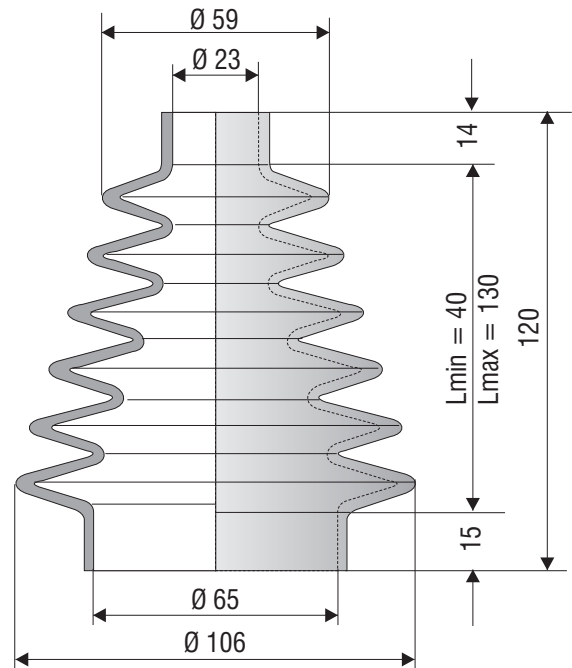
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 23 - 24,5 mm

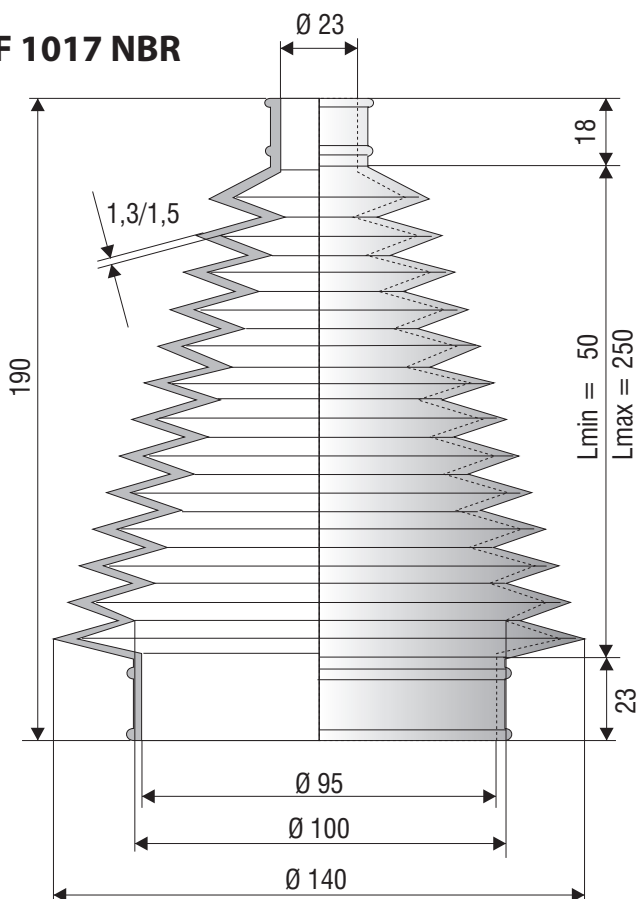
**F 1001 NBR**



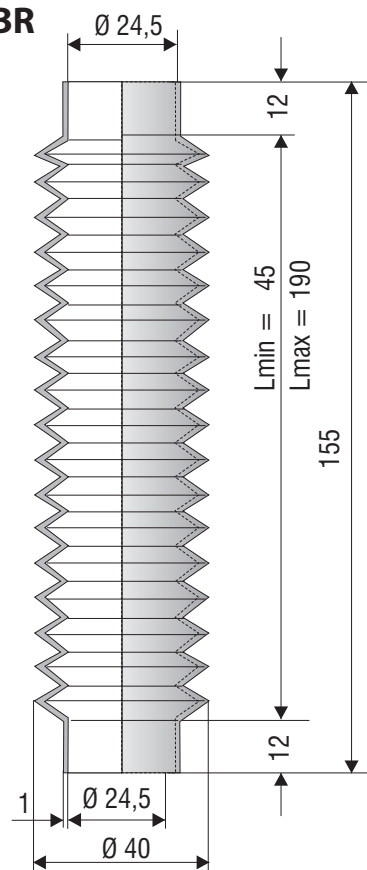
**F 4022 NBR**



**F 1017 NBR**



**F 1230 NBR**



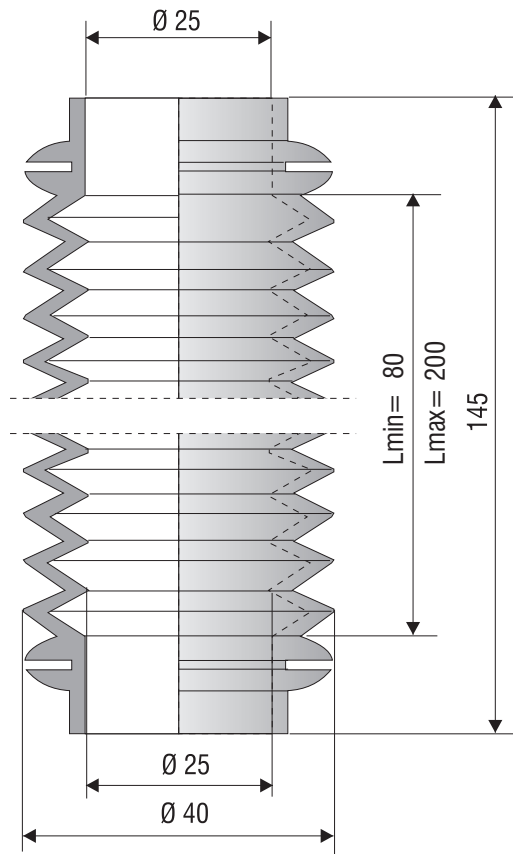


# Vulkanisierte Faltenbälge / *Moulded Bellows*

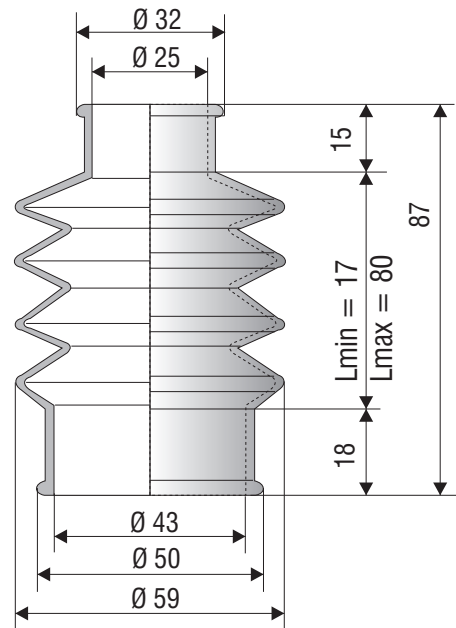
Ø 25 mm

## F 4041 NBR

19 Falten



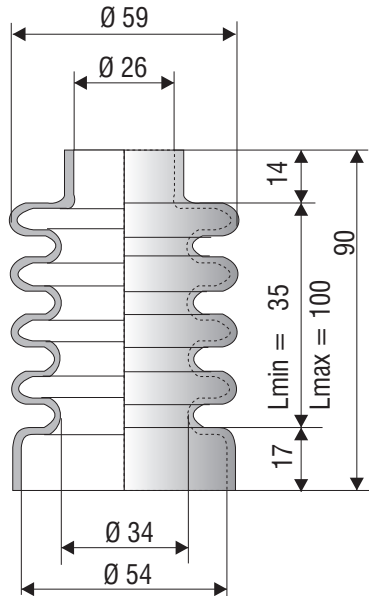
## F 1513 NBR



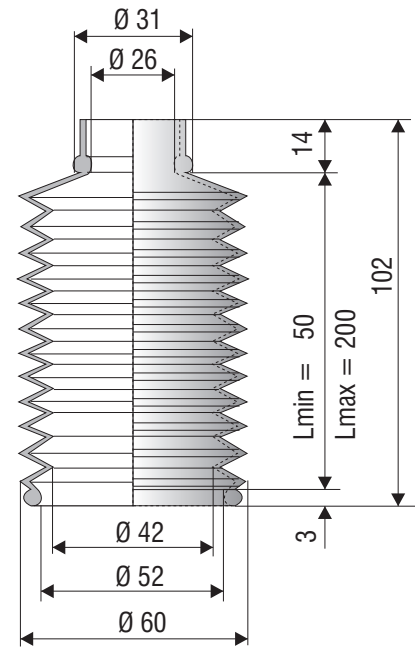
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 26 -28 mm

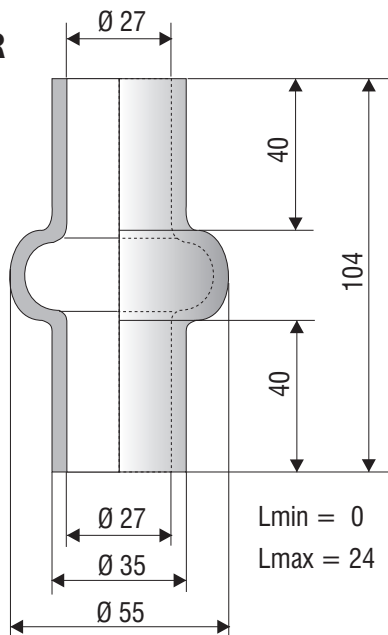
**F 1008 NBR**



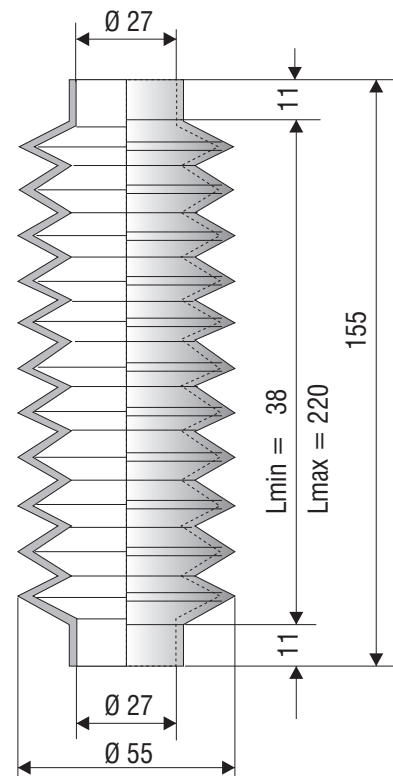
**F 1107 NBR**



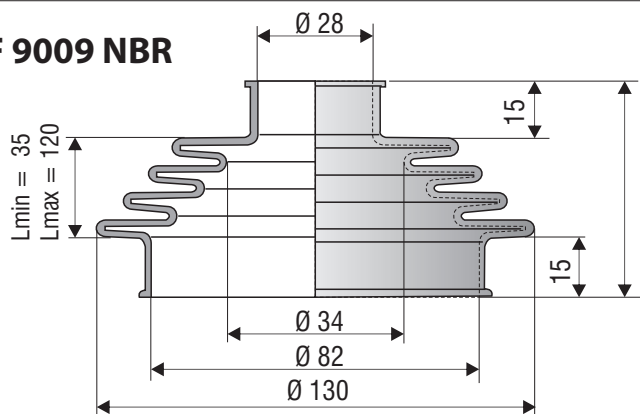
**F 1004 NBR**



**F 1059 NBR**



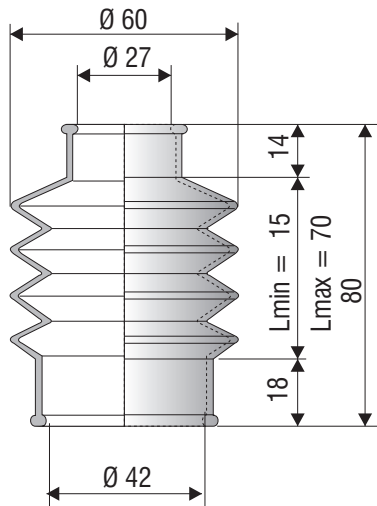
**F 9009 NBR**



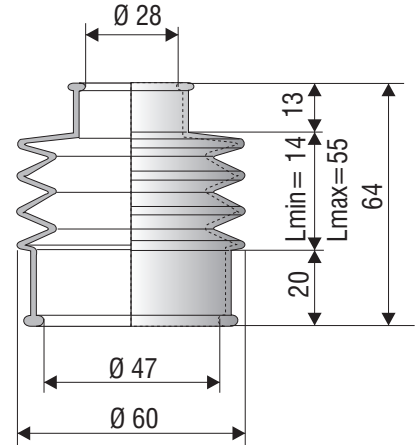
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 27 - 29 mm

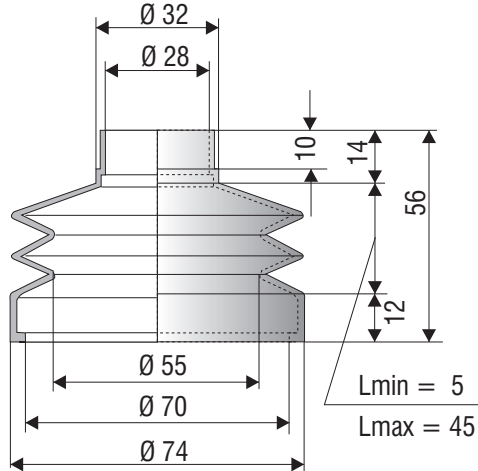
**F 1043 NBR**



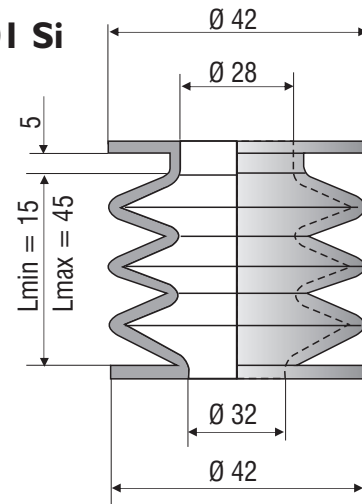
**F 1028 NBR**



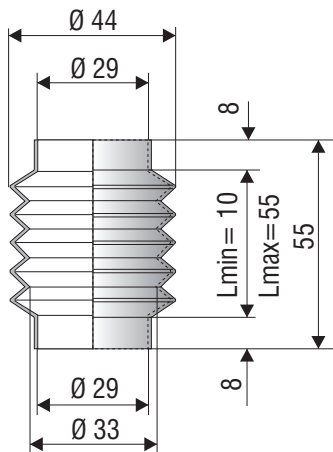
**F 1146 NBR**



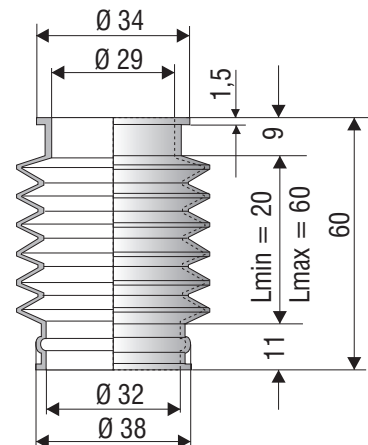
**F 900I Si**



**F 1151 NBR**



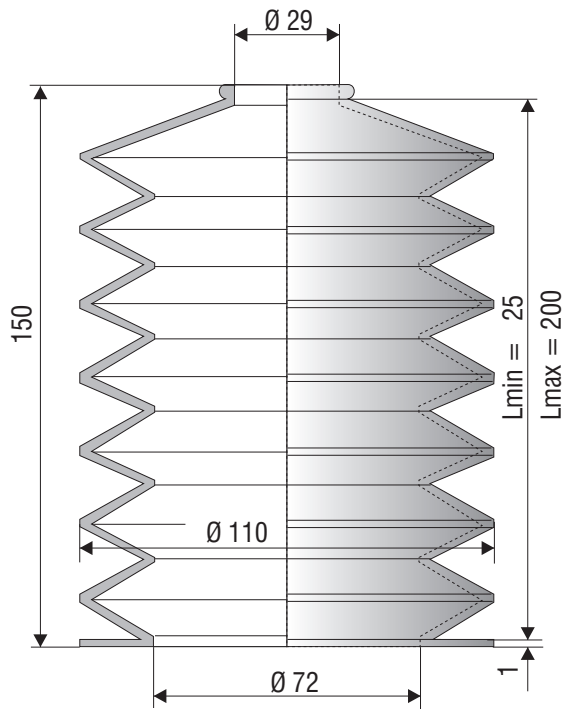
**F 1152 NBR**



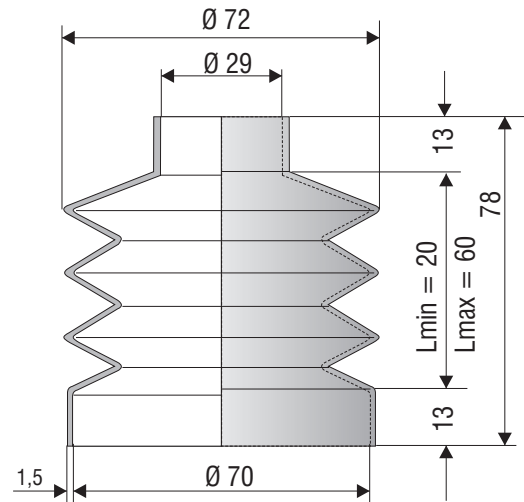
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 29 - 30 mm

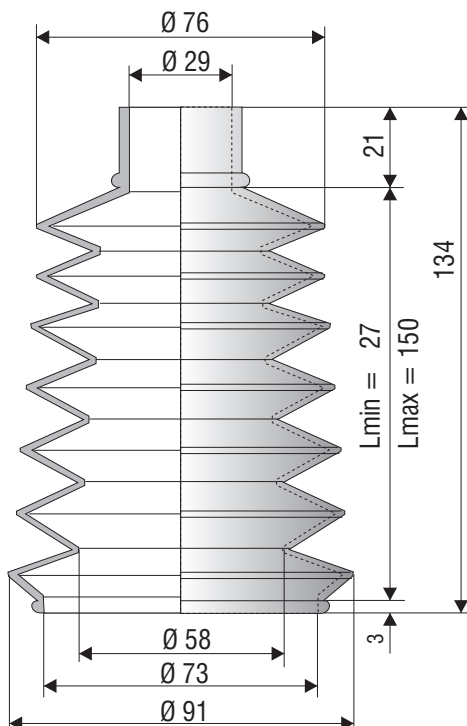
**F 1095 NBR**



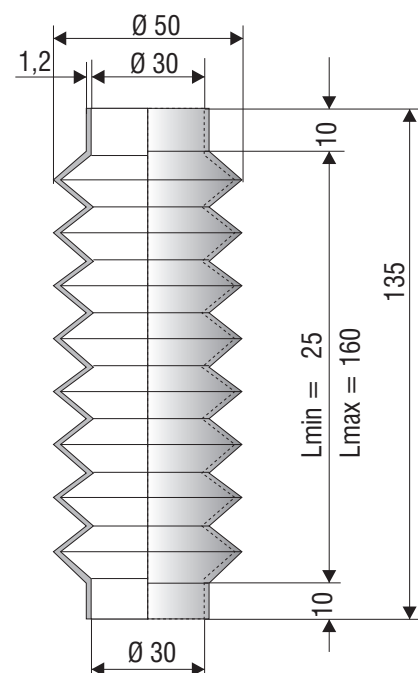
**F 1232 NBR**



**F 1062 NBR**



**F 1128 NBR**

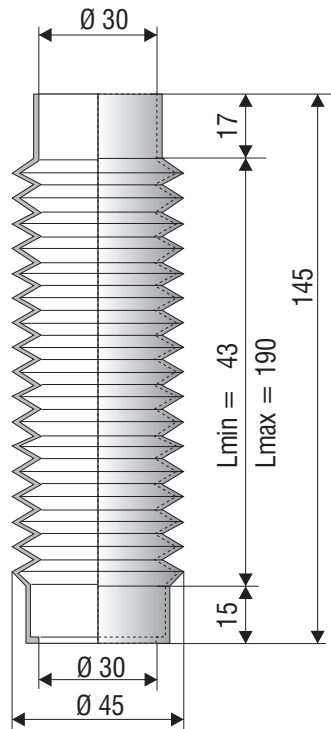




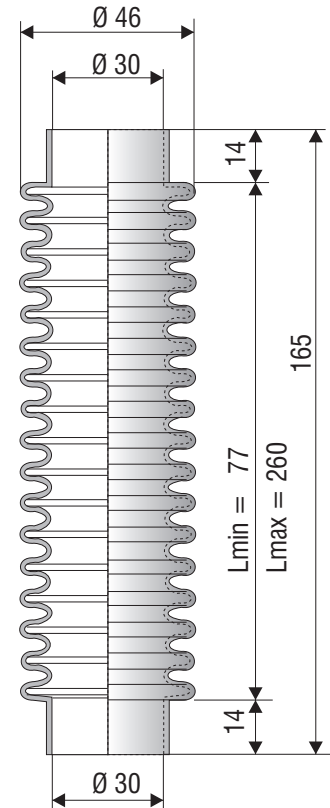
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 30 mm

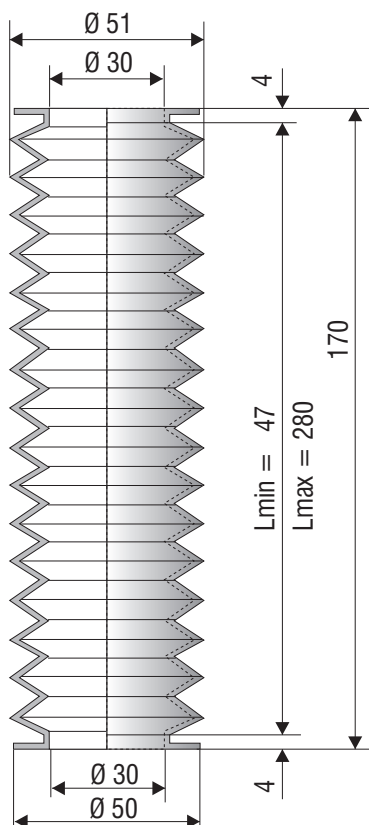
**F 1073 NBR**



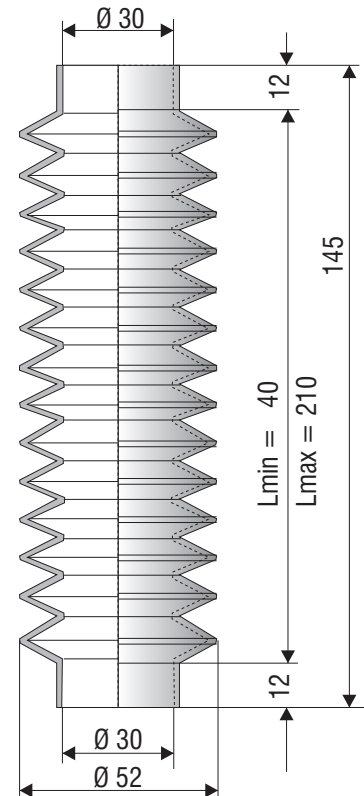
**F 1114 NBR**



**F 1127 NBR**



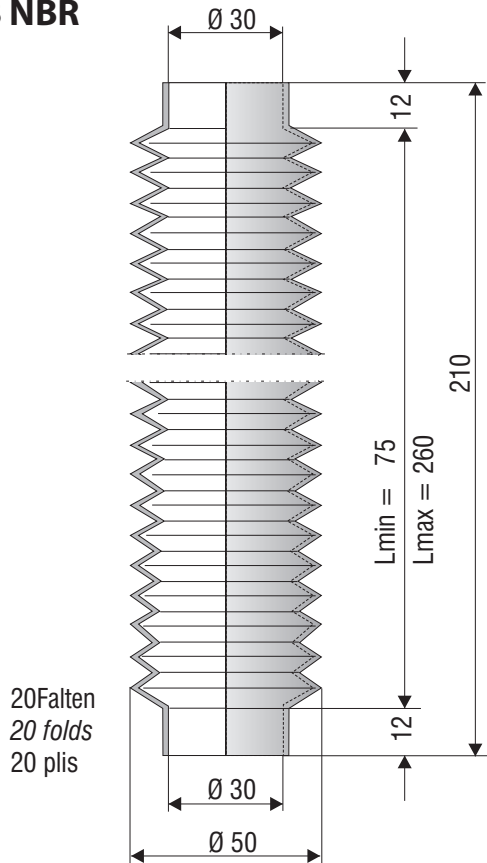
**F 1210 NBR**



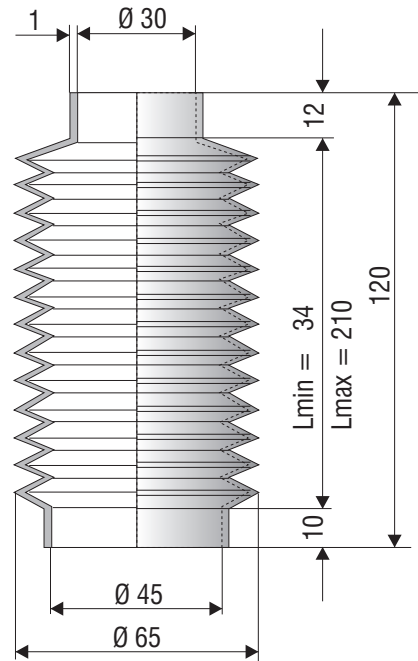
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 29 - 30 mm

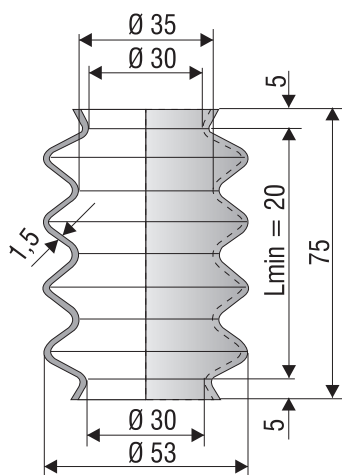
**F 1238 NBR**



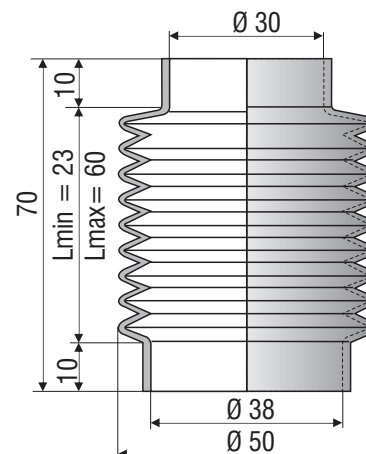
**F 1103 NBR**



**F 4020 NBR**



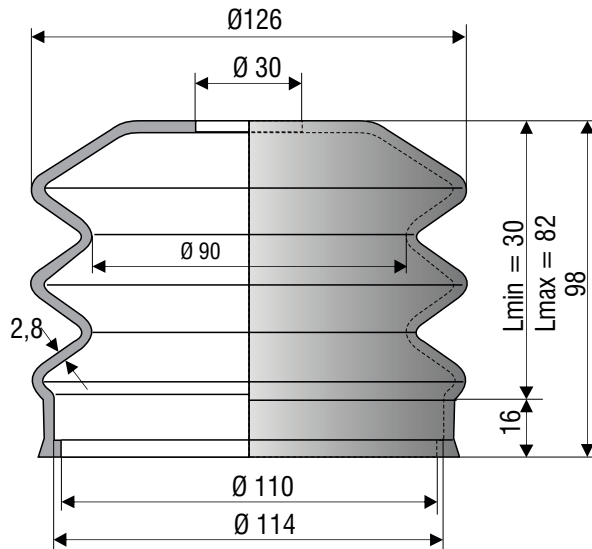
**F 4067 NBR**



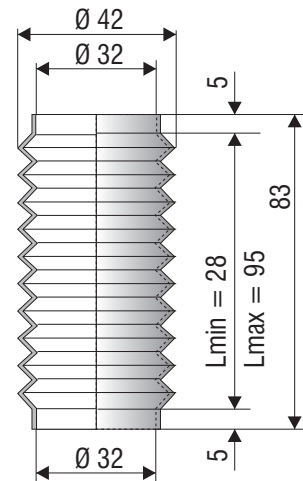
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 30 - 32 mm

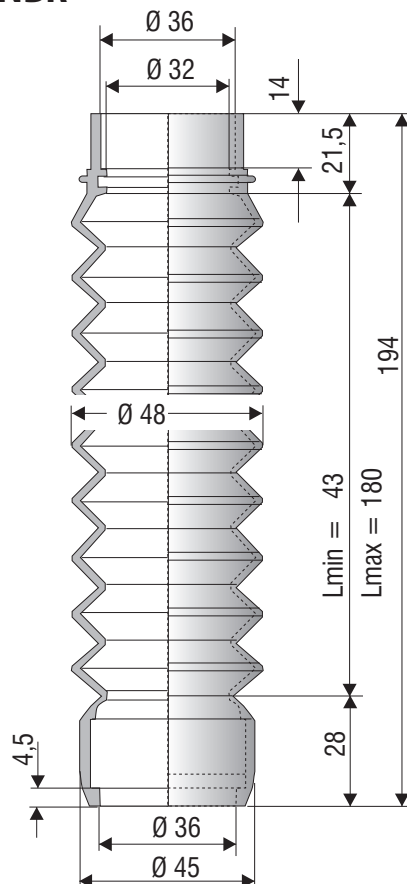
**F 4021 NBR**



**F 1119 NBR**



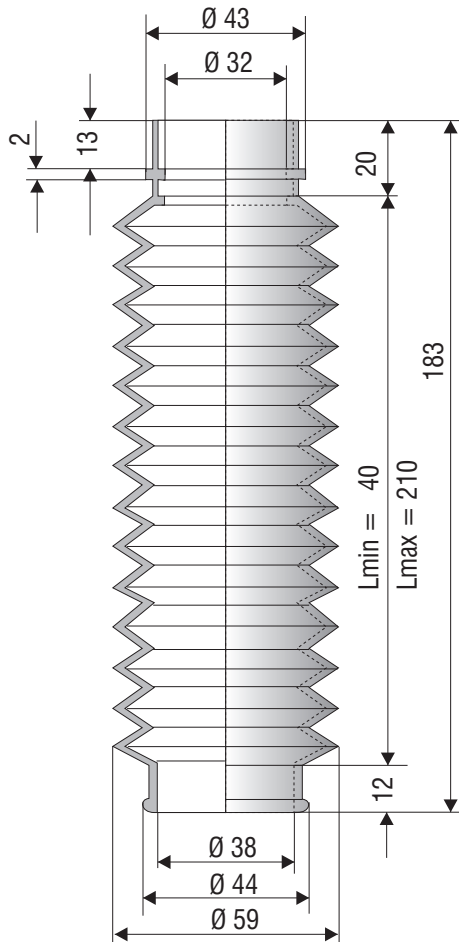
**F 1057 NBR**



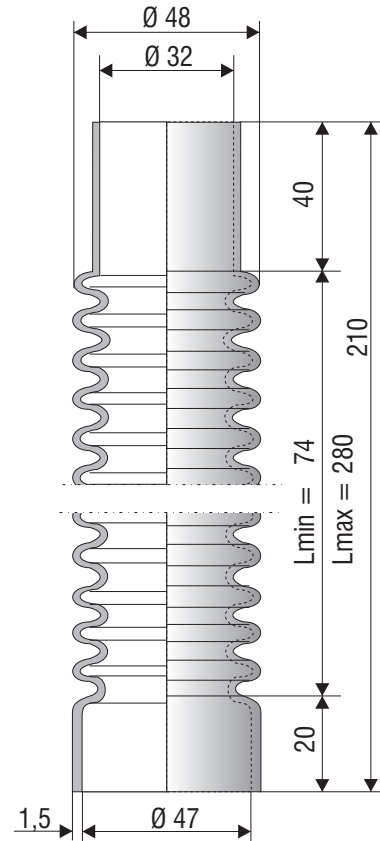
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 32 - 33 mm

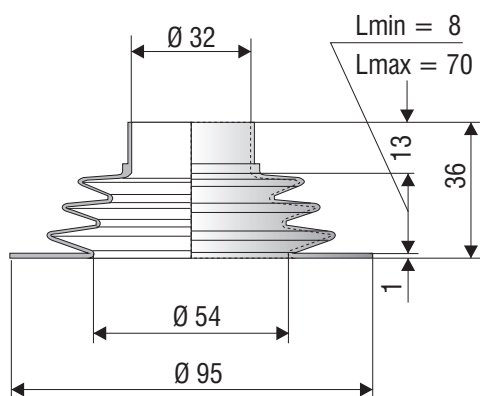
**F 1058 NBR**



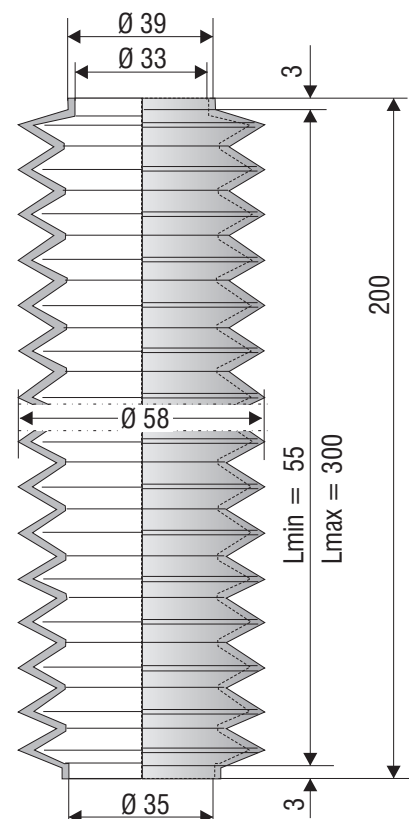
**F 1115 NBR**



**F 1099 NBR**



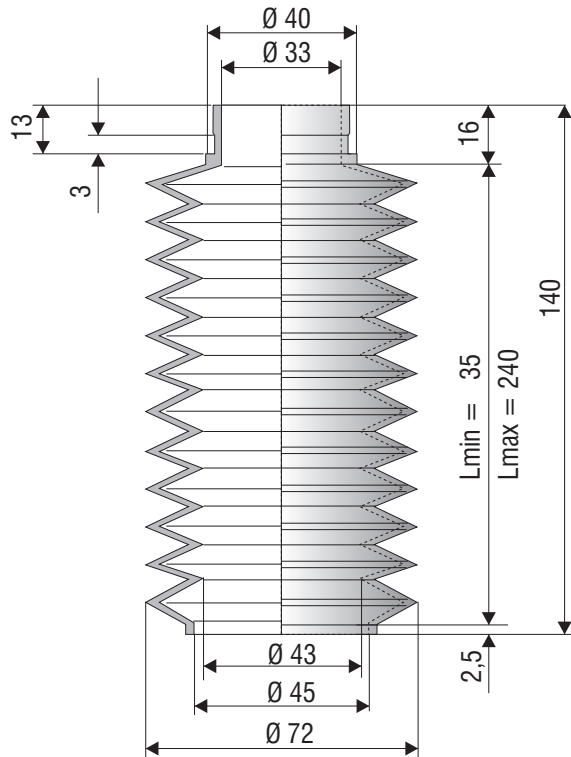
**F 1206 NBR**



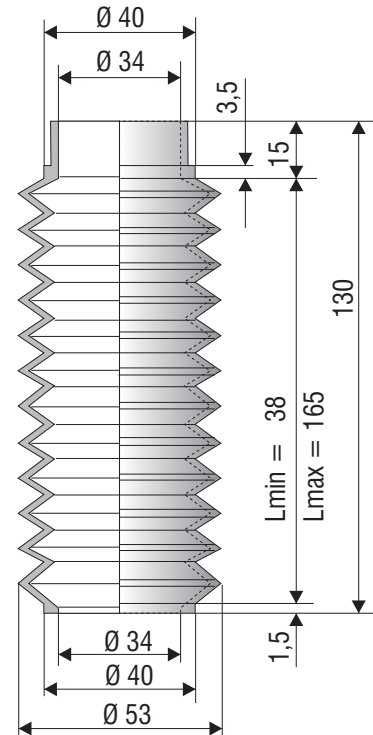
# Vulkanisierte Faltenbälge / *Moulded Bellows*

Ø 33 - 34 mm

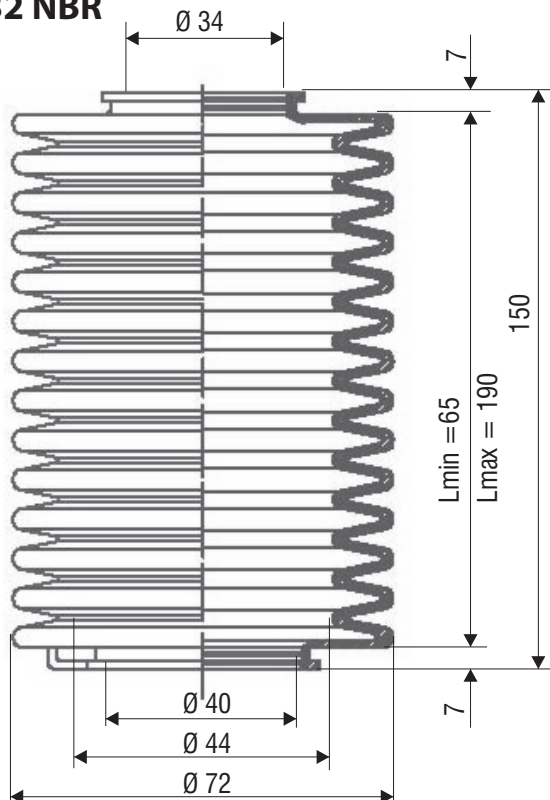
**F 1075 NBR**



**F 1072 NBR**



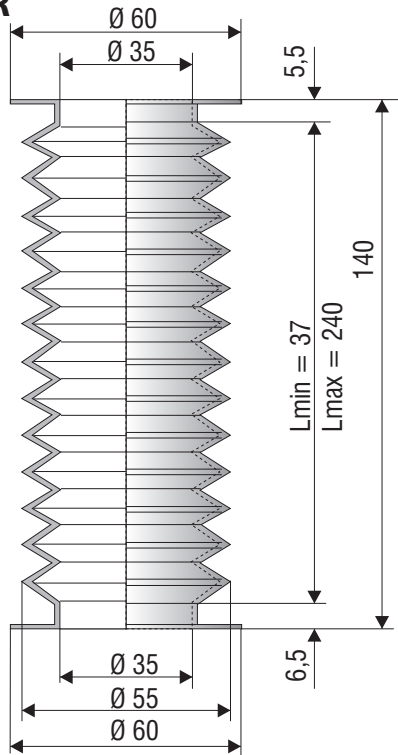
**F 3032 NBR**



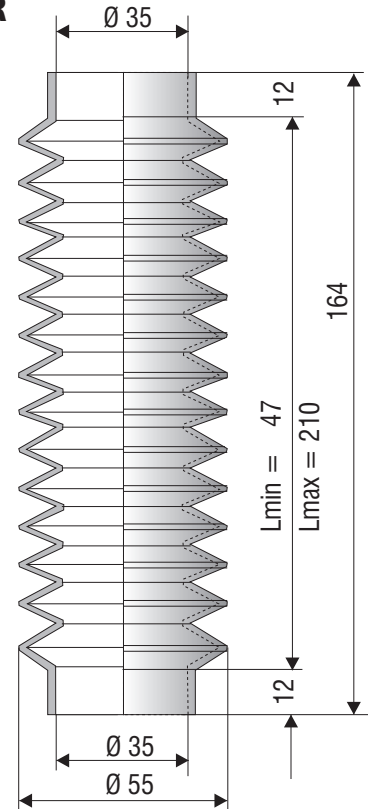
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 35 mm

**F 1087 NR**



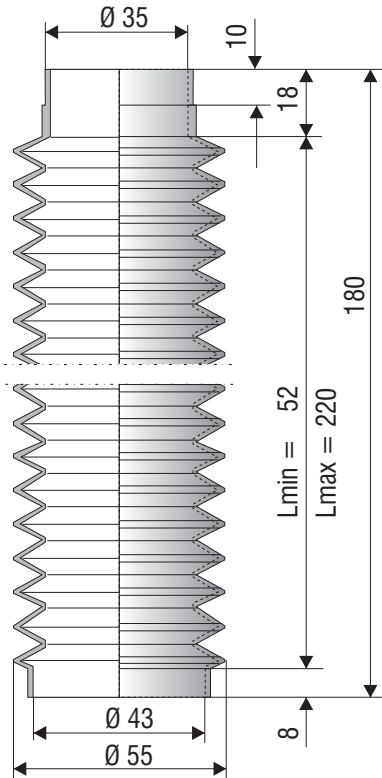
**F 1209 NBR**



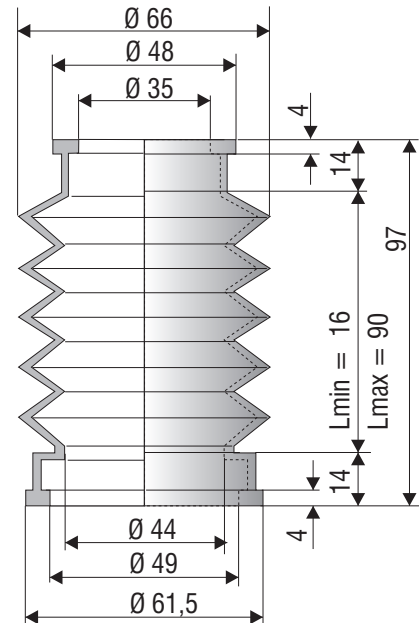
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 35 mm

**F 1020 NBR**

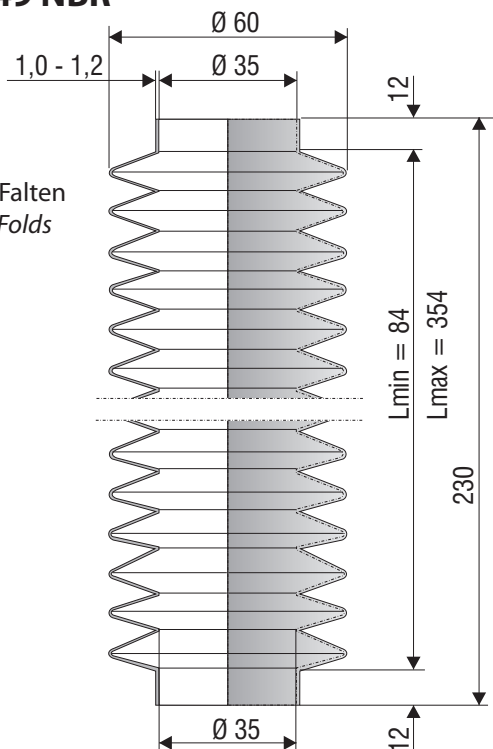


**F 1158 NBR**

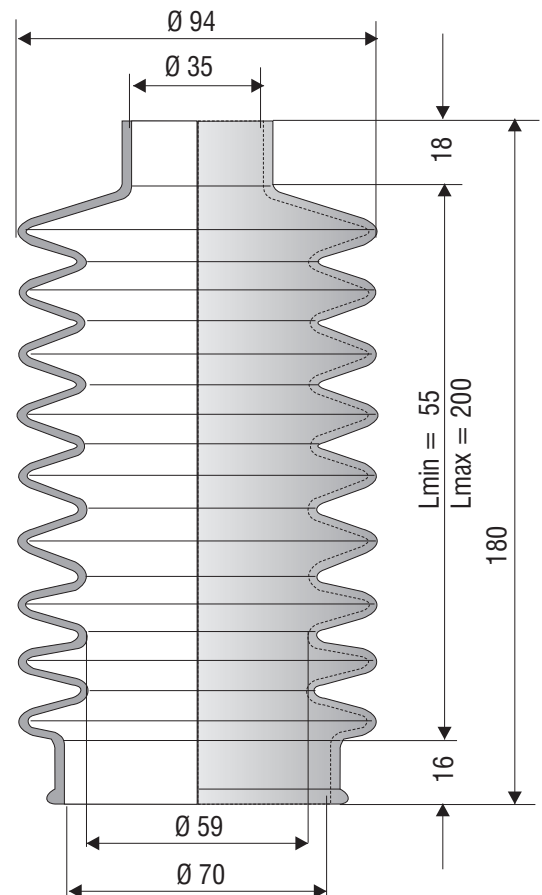


**F 1249 NBR**

20 Falten  
 20 Folds

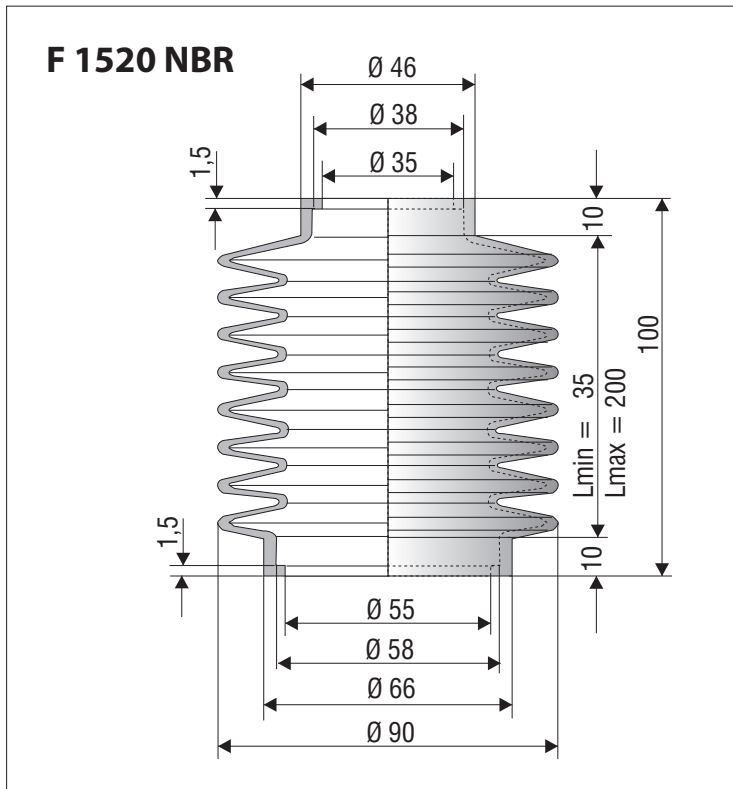


**F 4018 NBR**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

Ø 35 mm

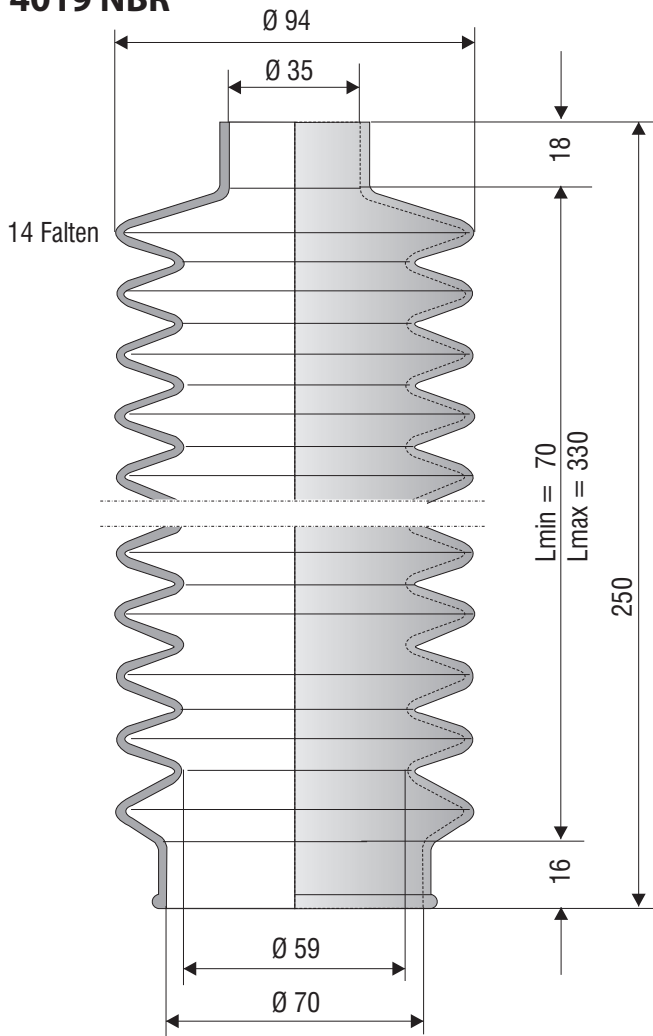




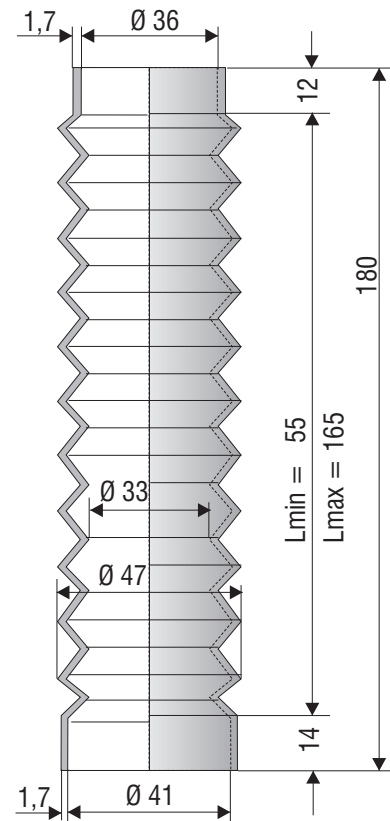
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 35 - 36 mm

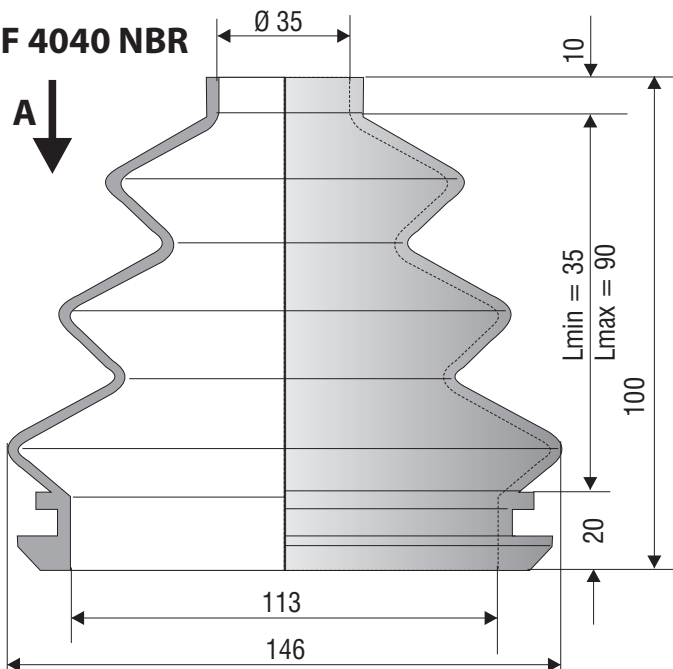
**F 4019 NBR**



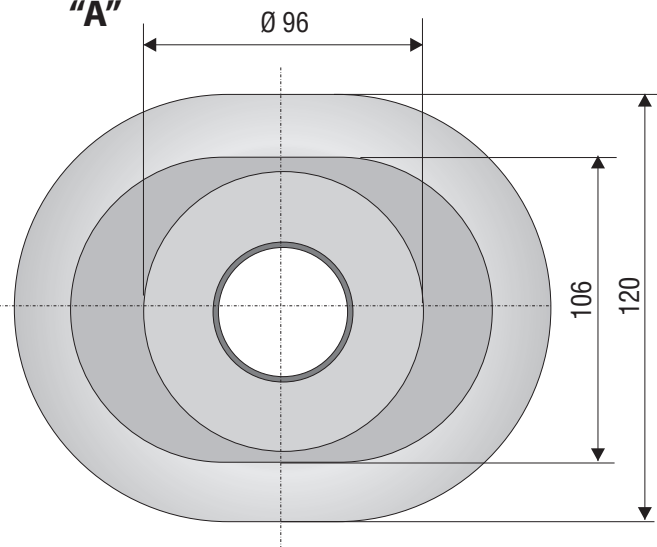
**F 1234 NBR**



**F 4040 NBR**



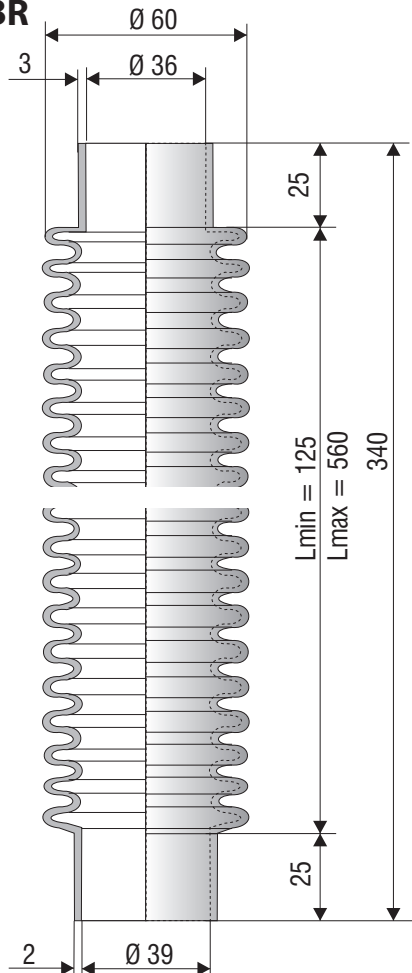
"A"



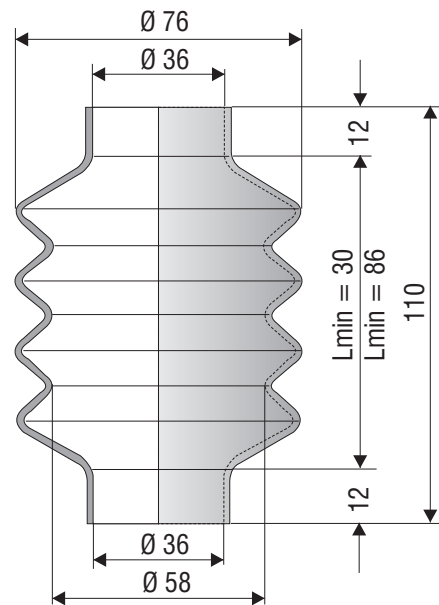
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 36 - 37 mm

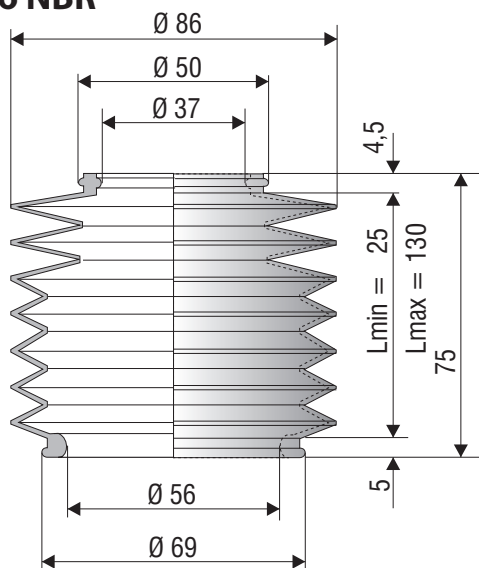
**F 1521 NBR**



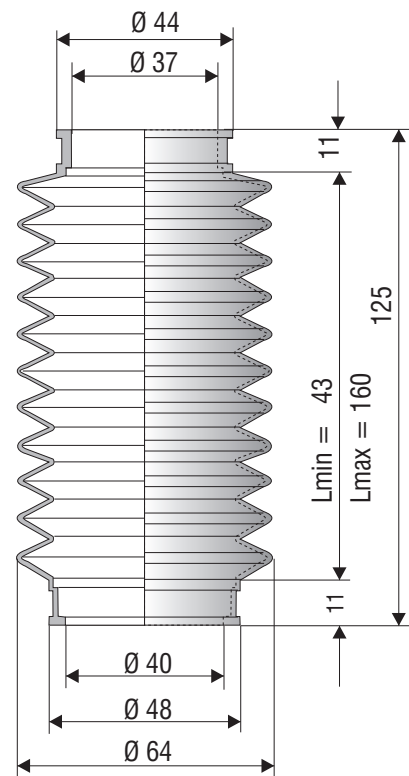
**F 4017 NBR**



**F 1026 NBR**



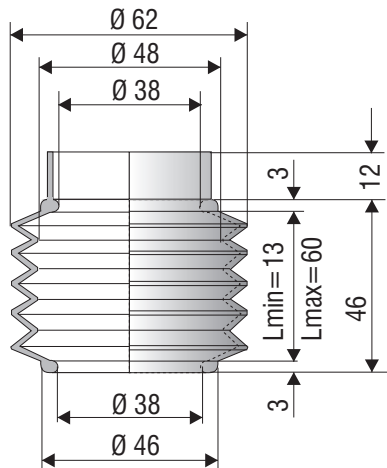
**F 1036 NBR**



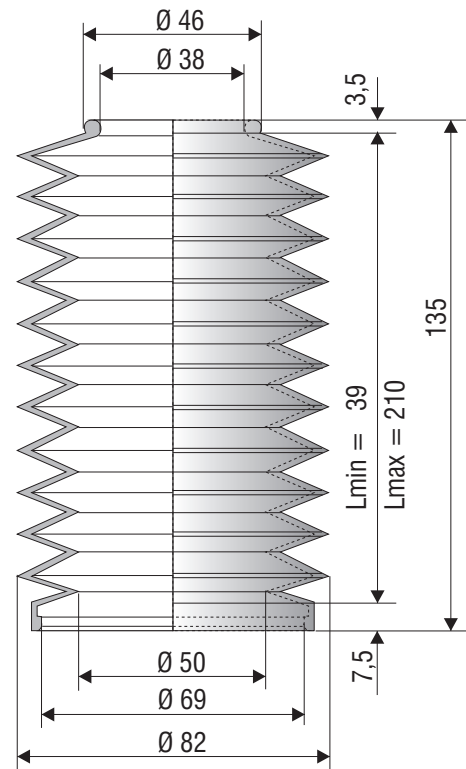
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 38 mm

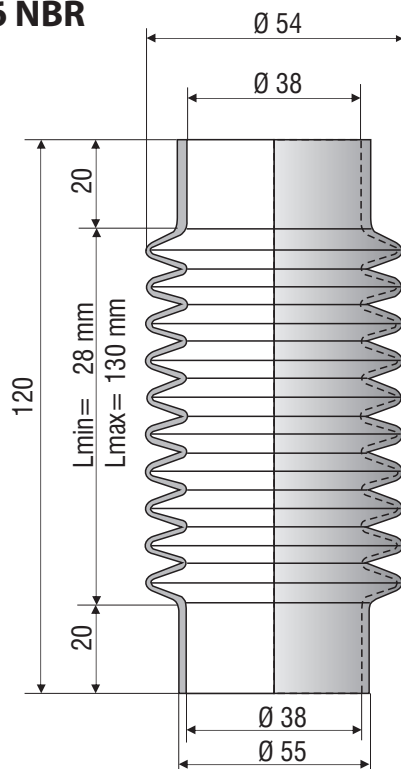
**F 1214 NBR**



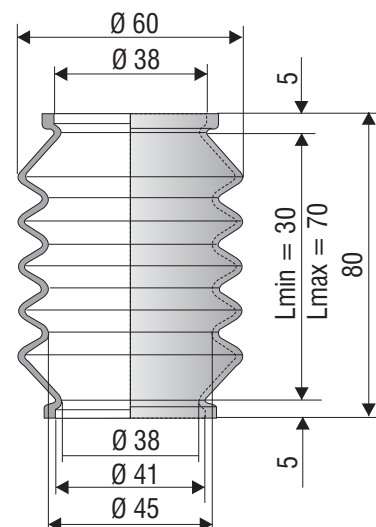
**F 1176 NBR**



**F 4066 NBR**



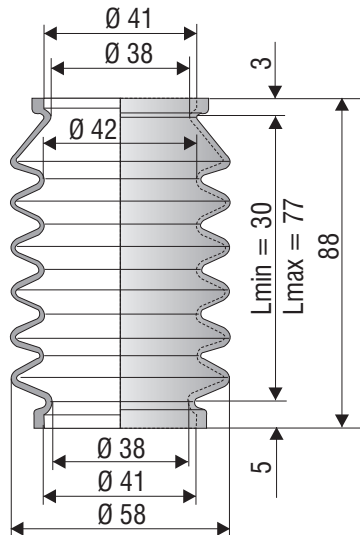
**F 4015 NBR**



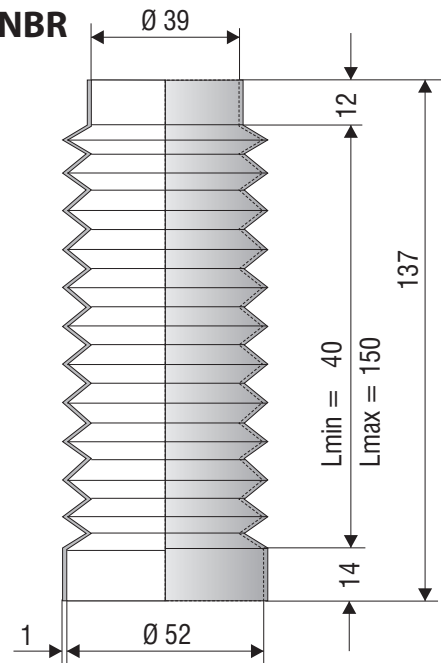
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 38 - 39 mm

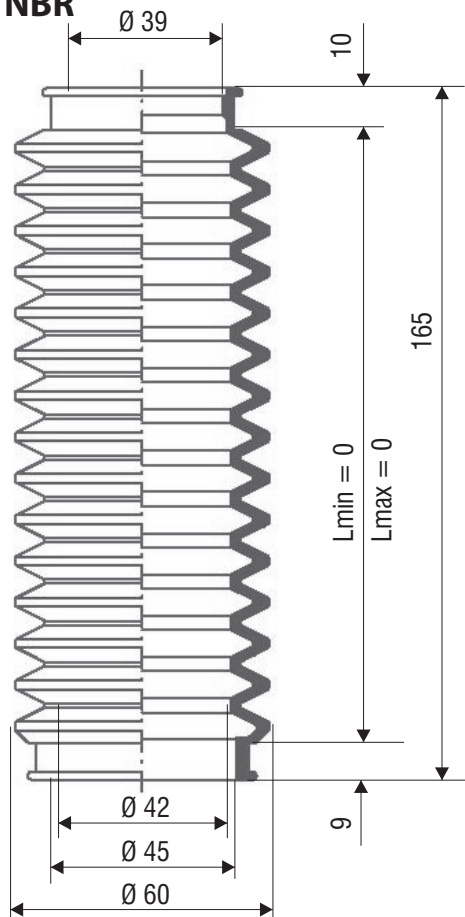
**F 4016 NBR**



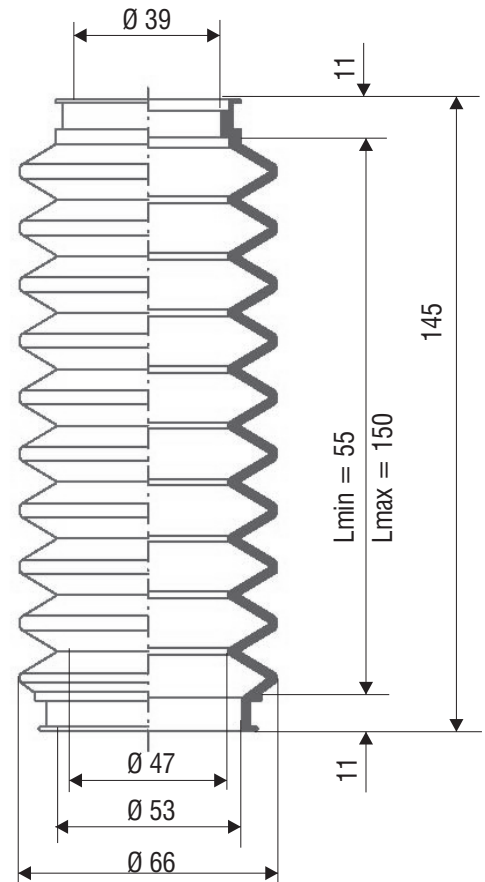
**F 1231 NBR**



**F 3012 NBR**



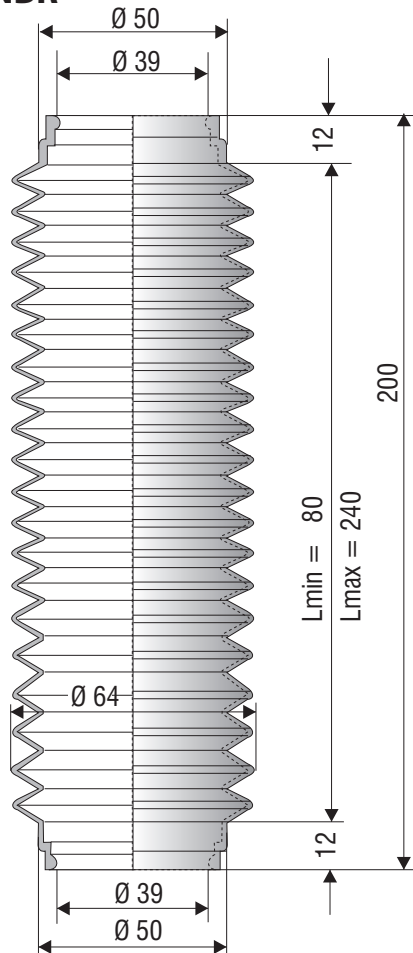
**F 3010 NBR**



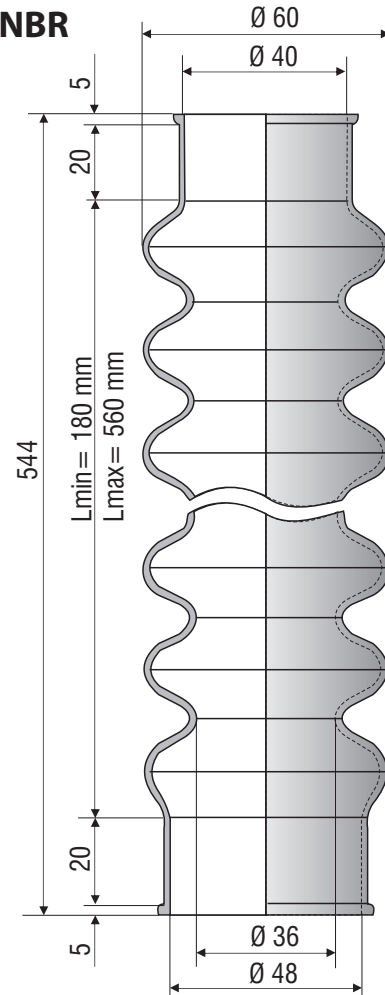
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 39 - 40 mm

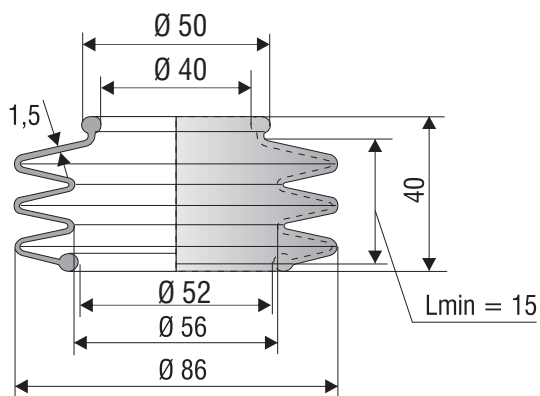
**F 1014 NBR**



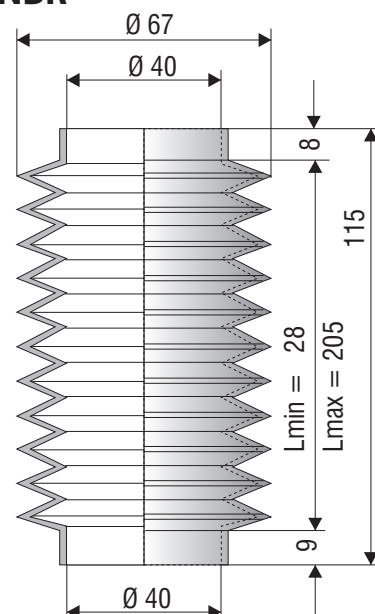
**F 4061 NBR**



**F 4014 NBR**



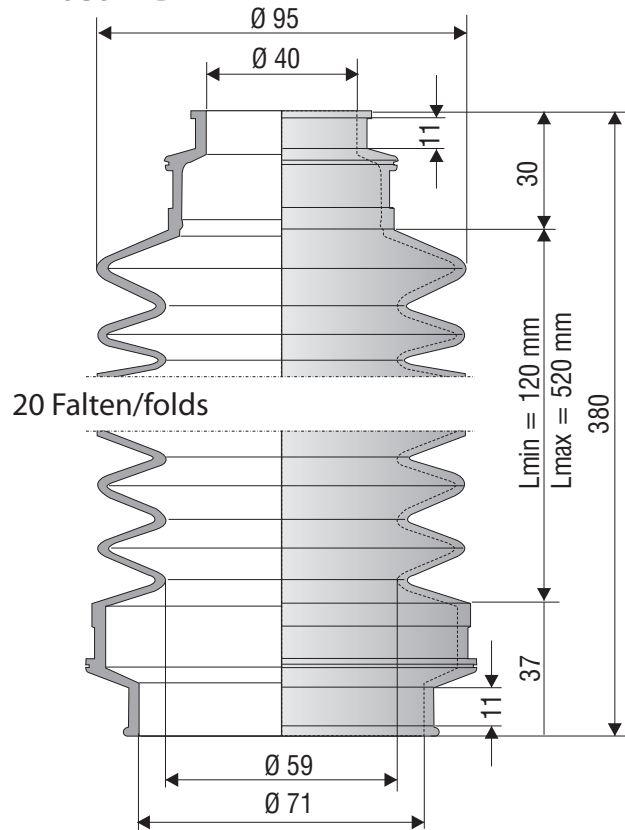
**F 1040 NBR**



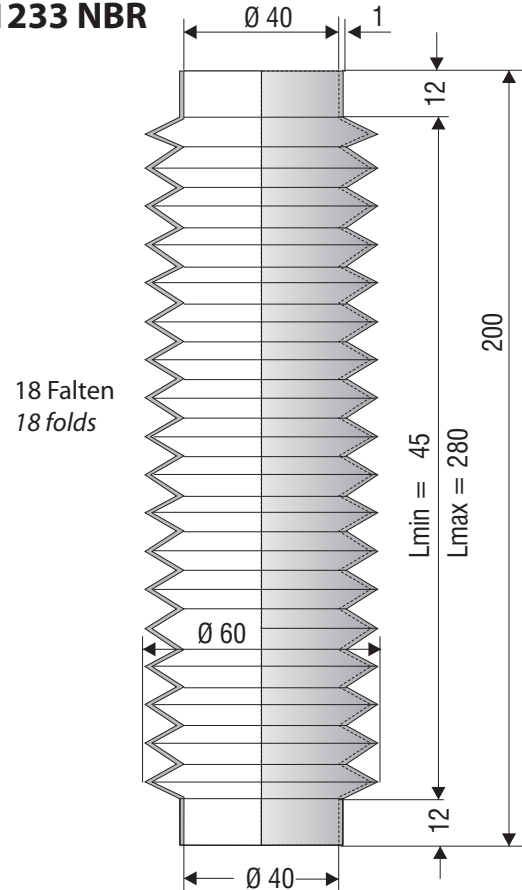
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 40 mm

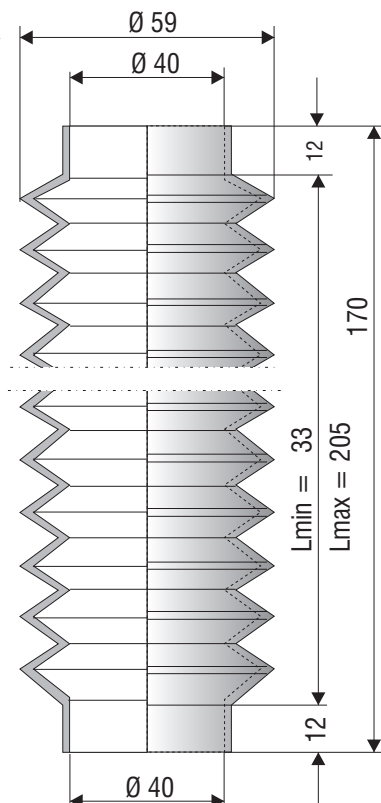
**F 4039 NBR**



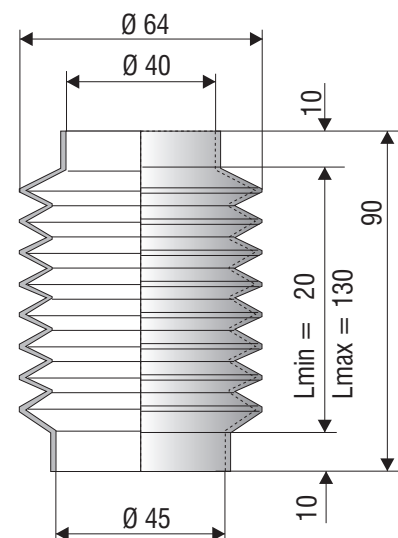
**F 1233 NBR**



**F 1135 NBR**



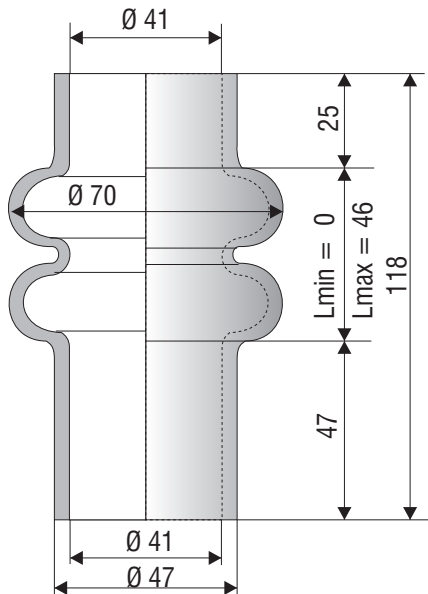
**F 1064 NBR**



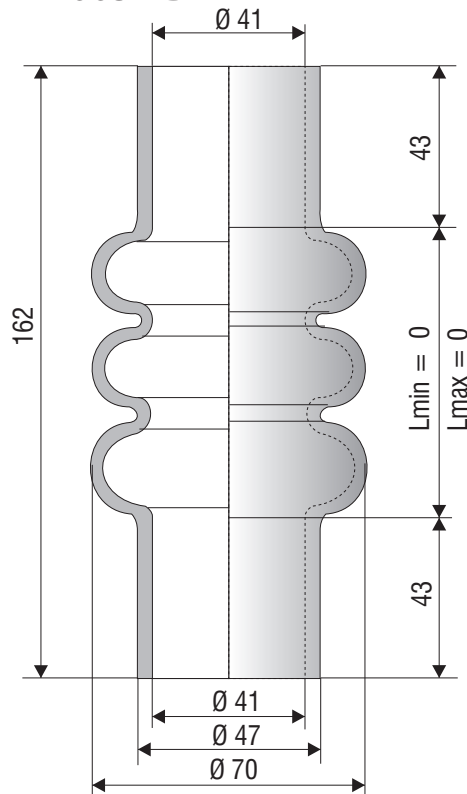
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 40 - 41 mm

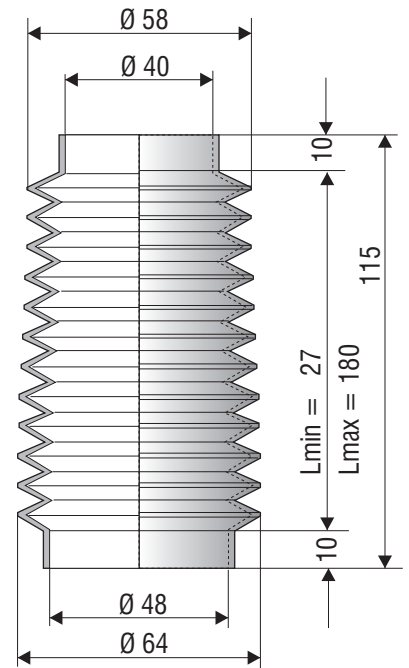
**F 1002 NBR**



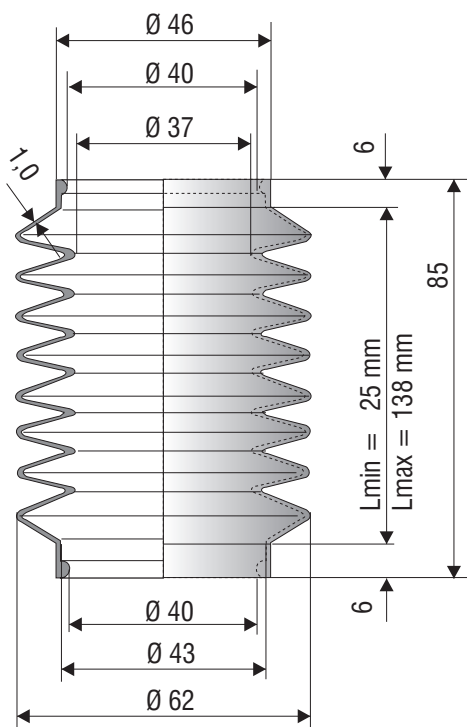
**F 1005 NBR**



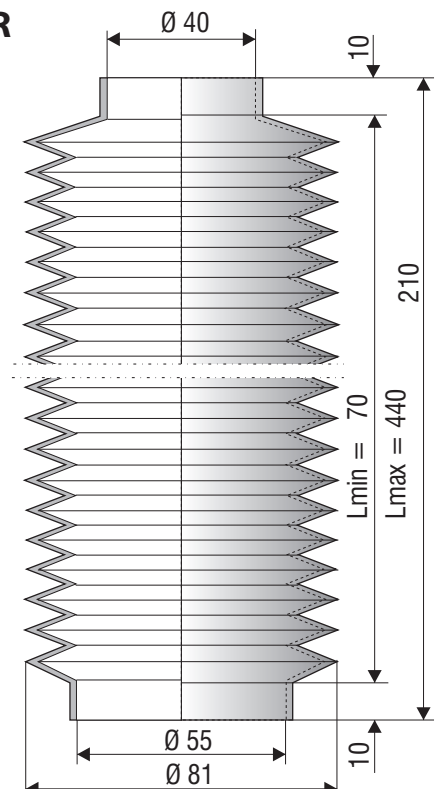
**F 1157 NBR**



**F 2047 NBR**

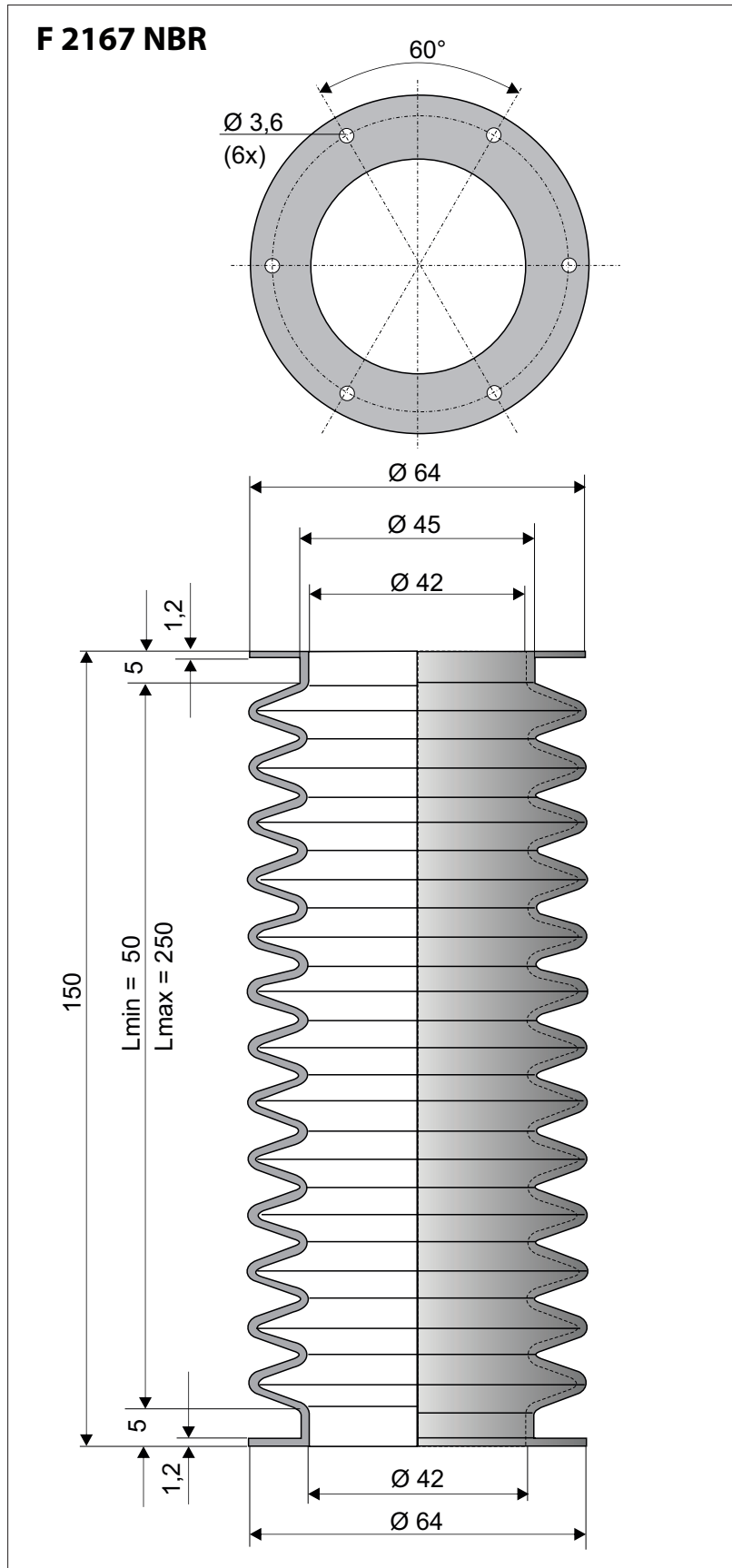


**F 1105 CR**



# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 42 mm

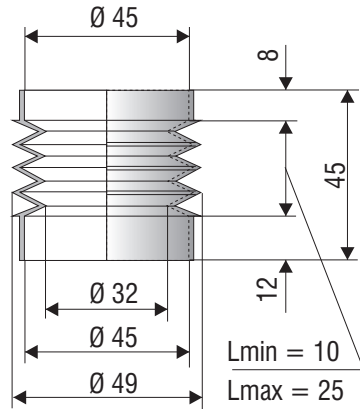




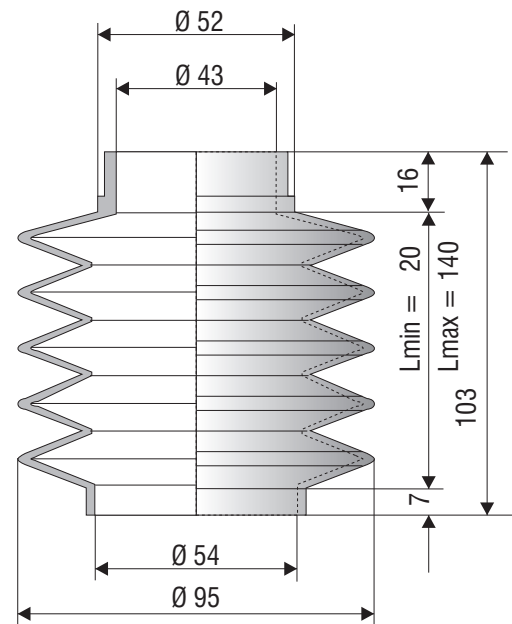
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 43 - 45 mm

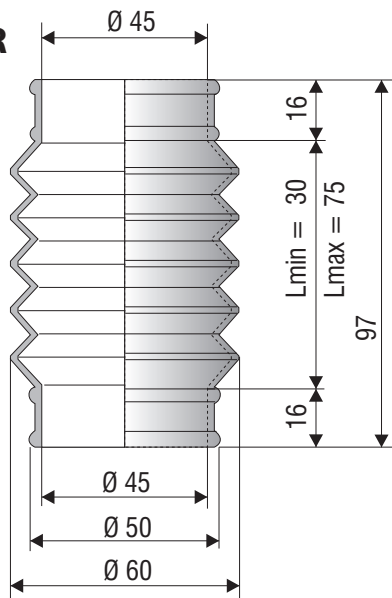
**F 1125 NBR**



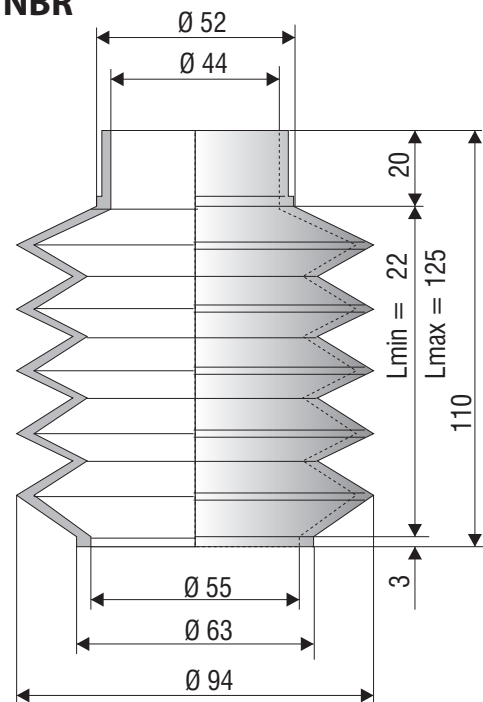
**F 1083 NBR**



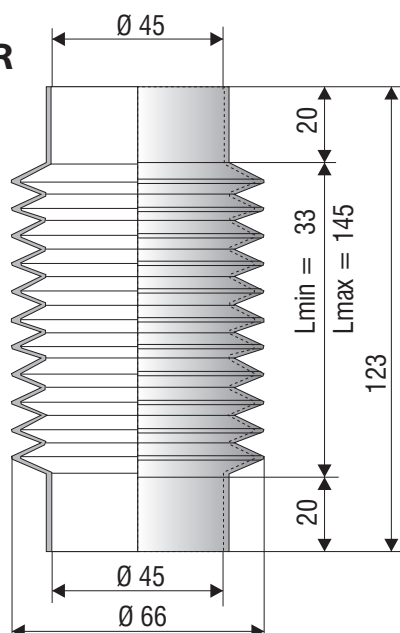
**F 1137 NBR**



**F 1078 NBR**



**F 1202 NBR**

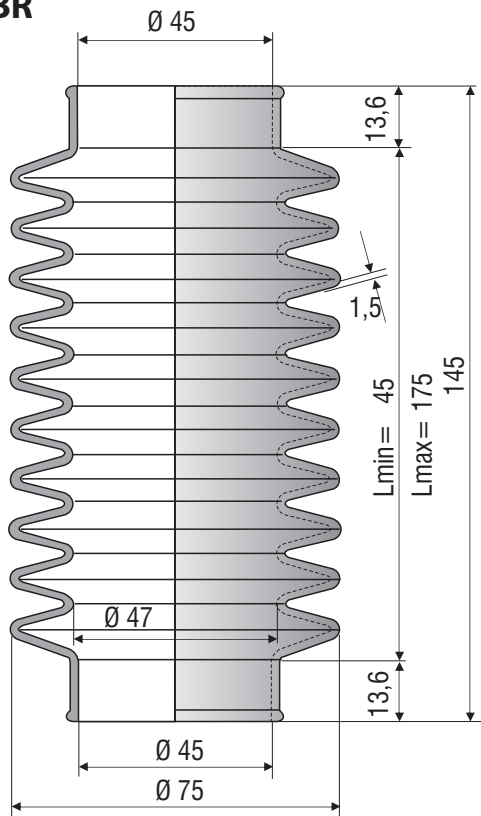


# Vulkanisierte Faltenbälge / Moulded Bellows

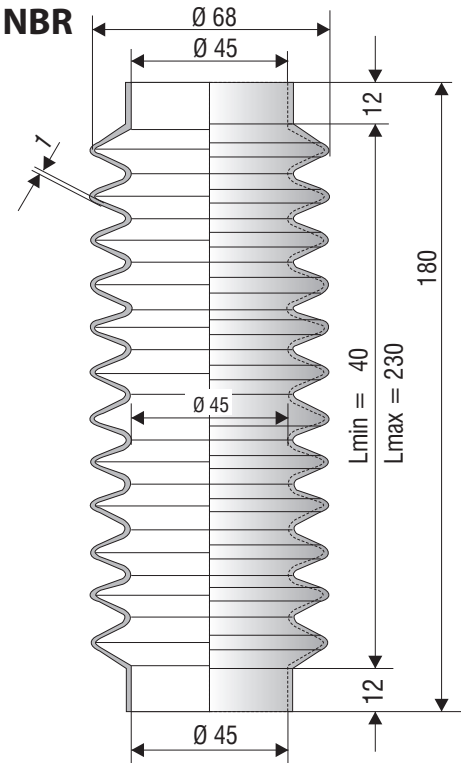
Ø 45 mm

## F 4069 NBR

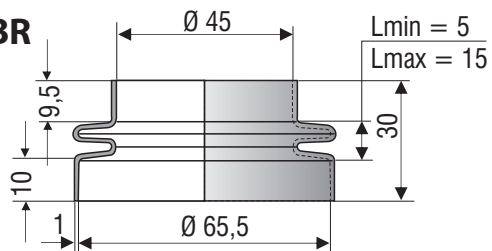
10 Falten



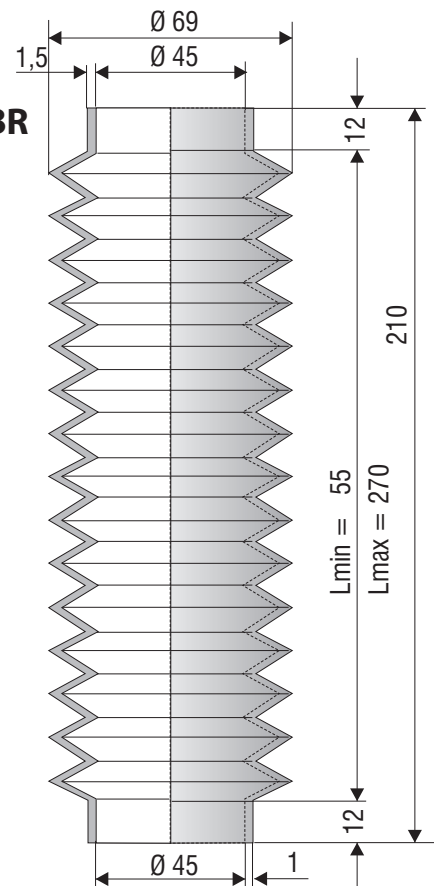
## F 1223 NBR



## F 9003 NBR



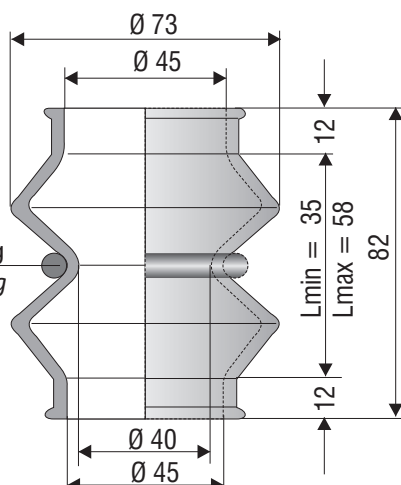
## F 1229 NBR



## F 4038 NBR

Sehr stabiler Balg.  
 Very sturdy  
 bellows.

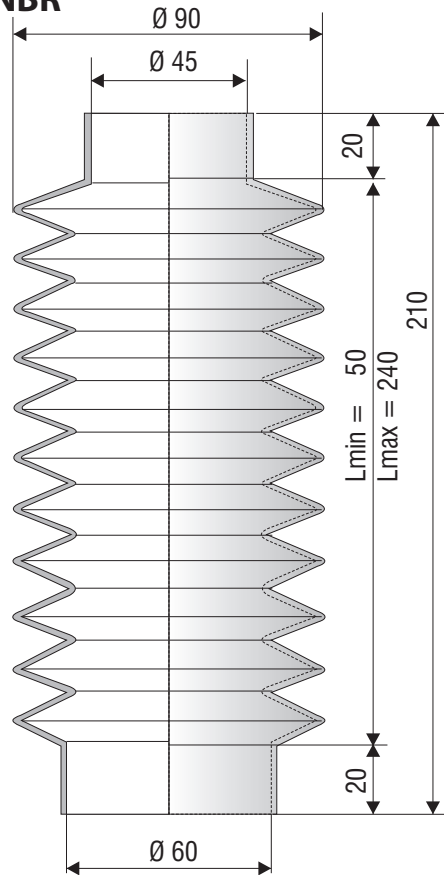
Verstärkungsring  
 Reinforcement ring



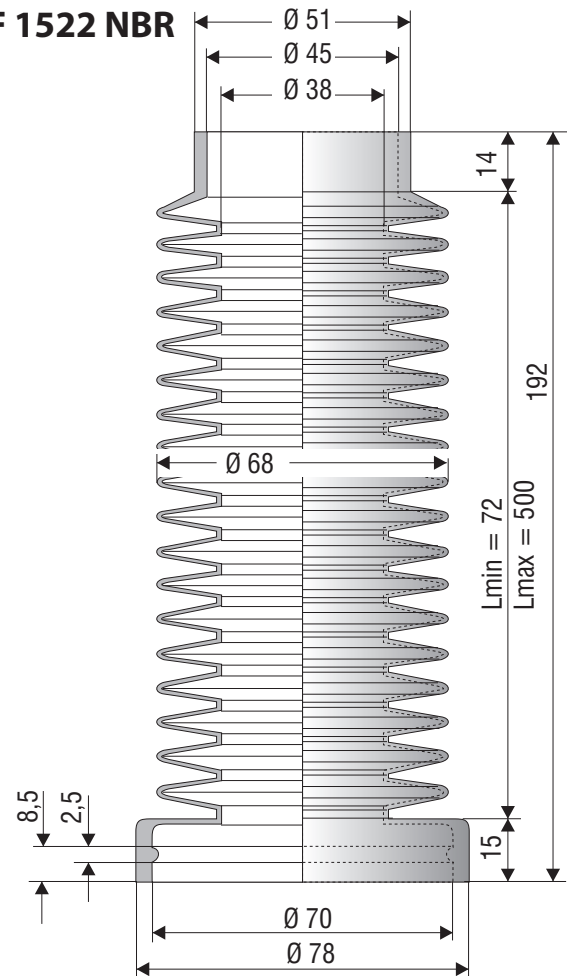
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 45 - 47 mm

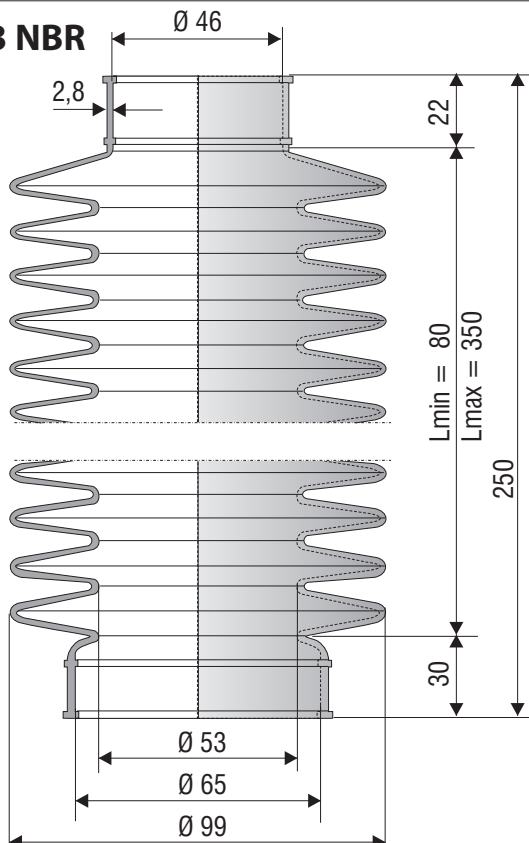
**F 1245 NBR**



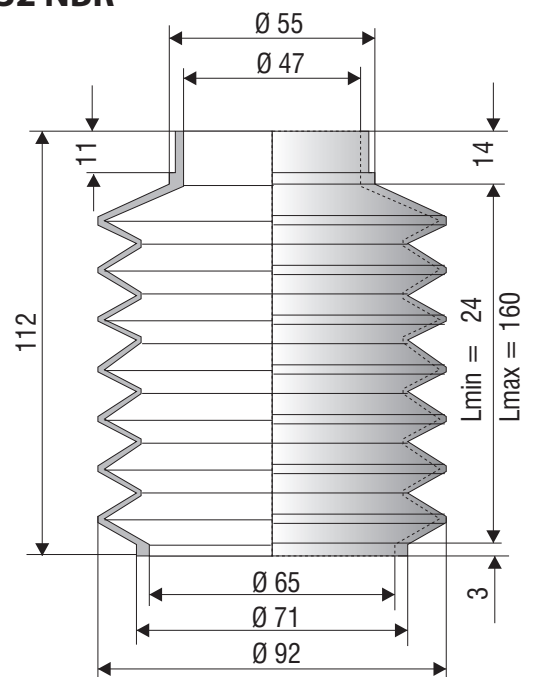
**F 1522 NBR**



**F 4013 NBR**



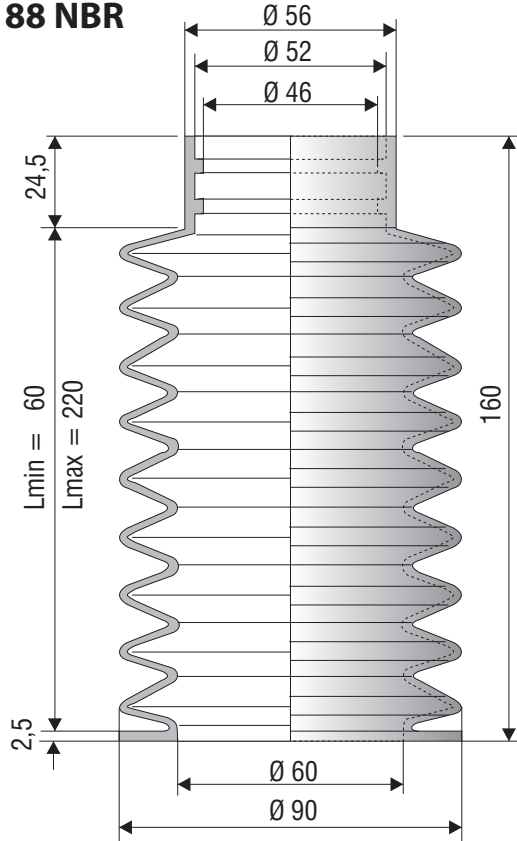
**F 1132 NBR**



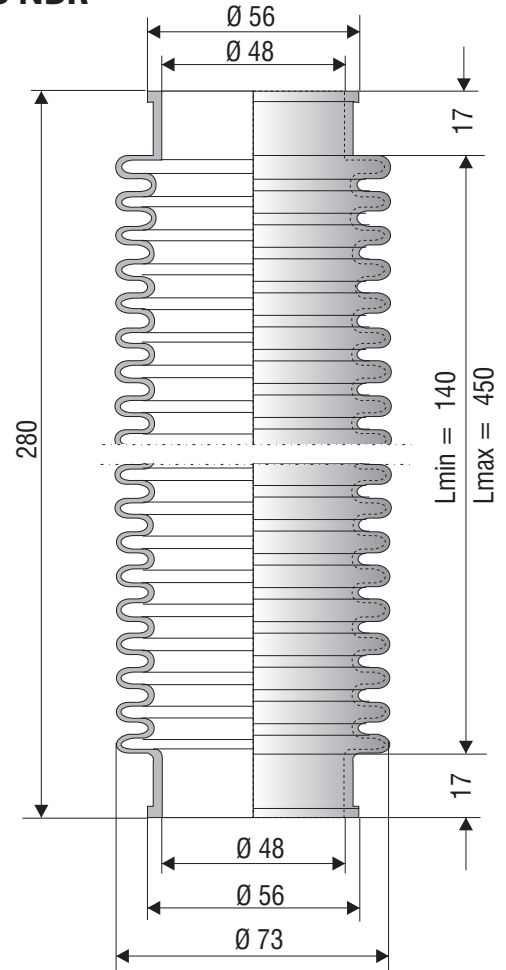
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 46 - 48 mm

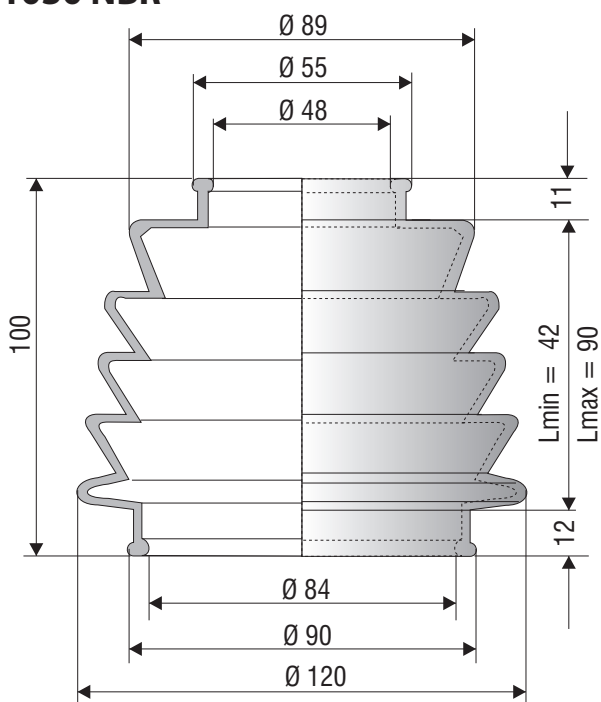
**F 1188 NBR**



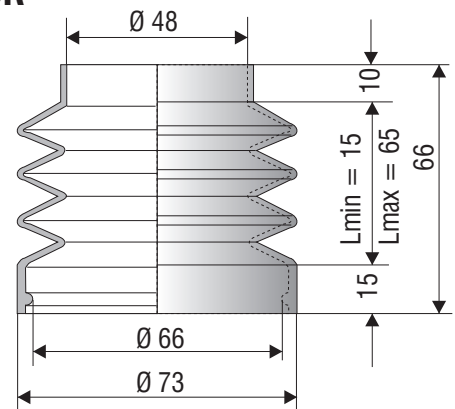
**F 1123 NBR**



**F 1030 NBR**

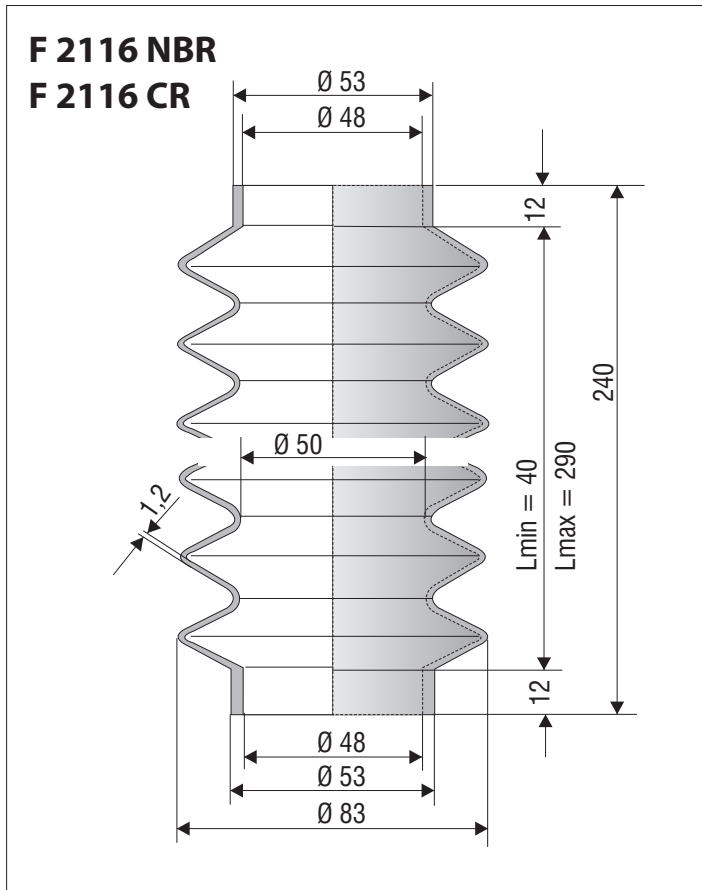


**F 1025 NBR**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

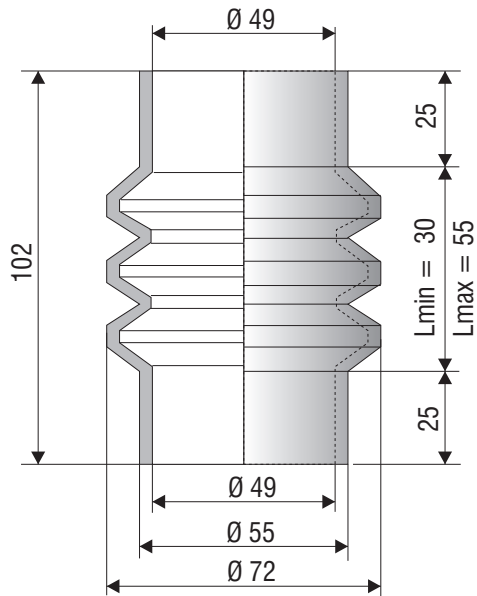
Ø 46 - 48 mm



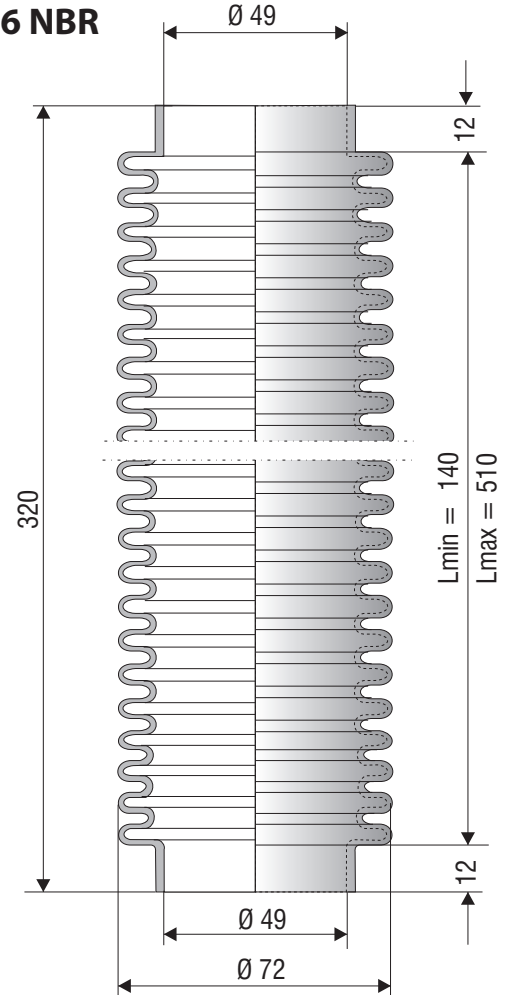
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 49 - 50 mm

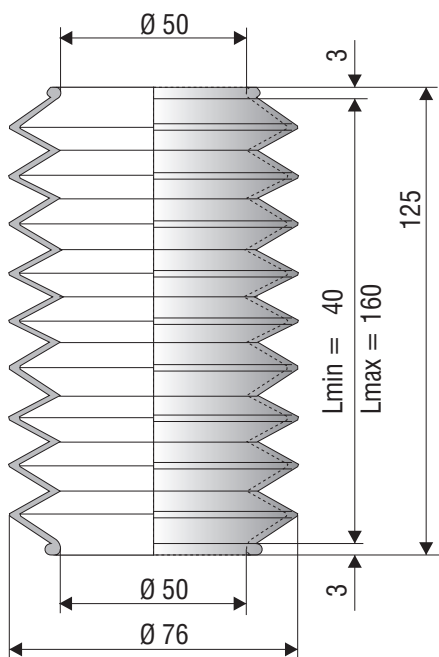
**F 1173 NBR**



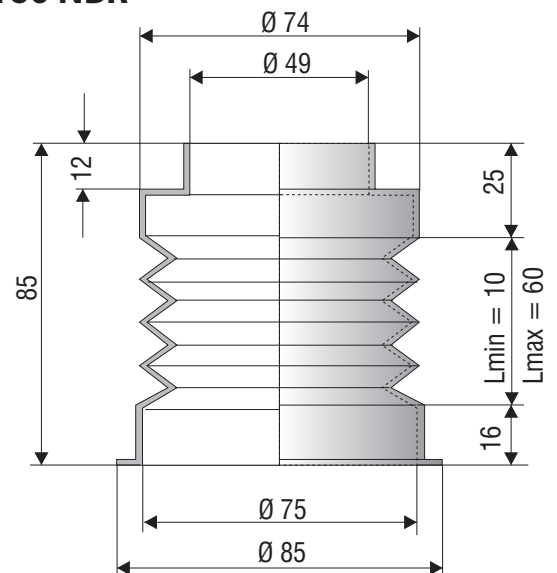
**F 1126 NBR**



**F 1205 NBR**



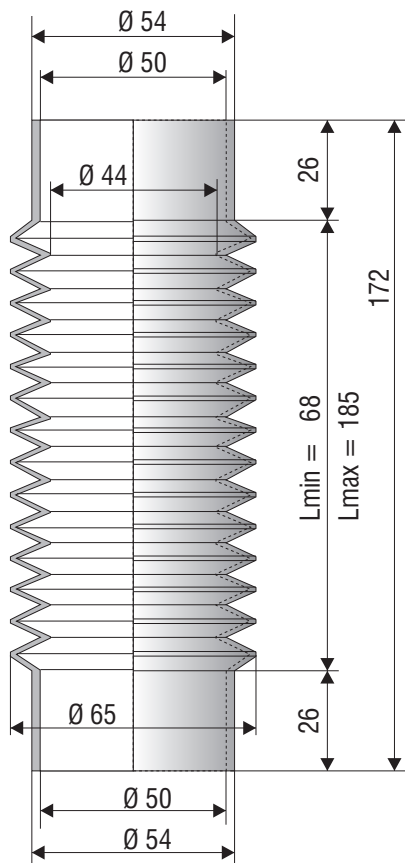
**F 1160 NBR**



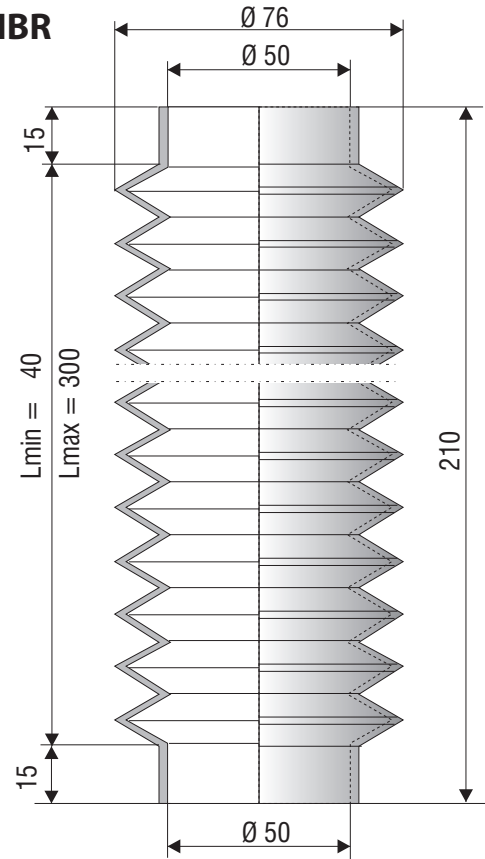
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 50 mm

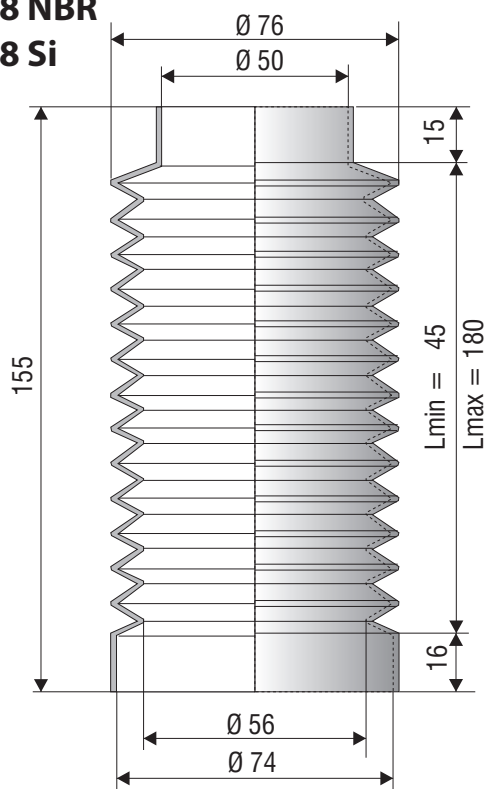
**F 1112 NBR**



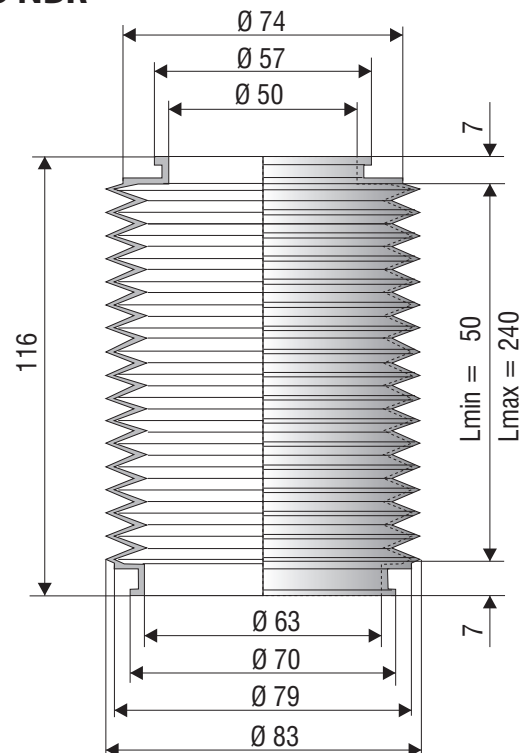
**F 1141 NBR**



**F 1208 NBR**  
**F 1208 Si**



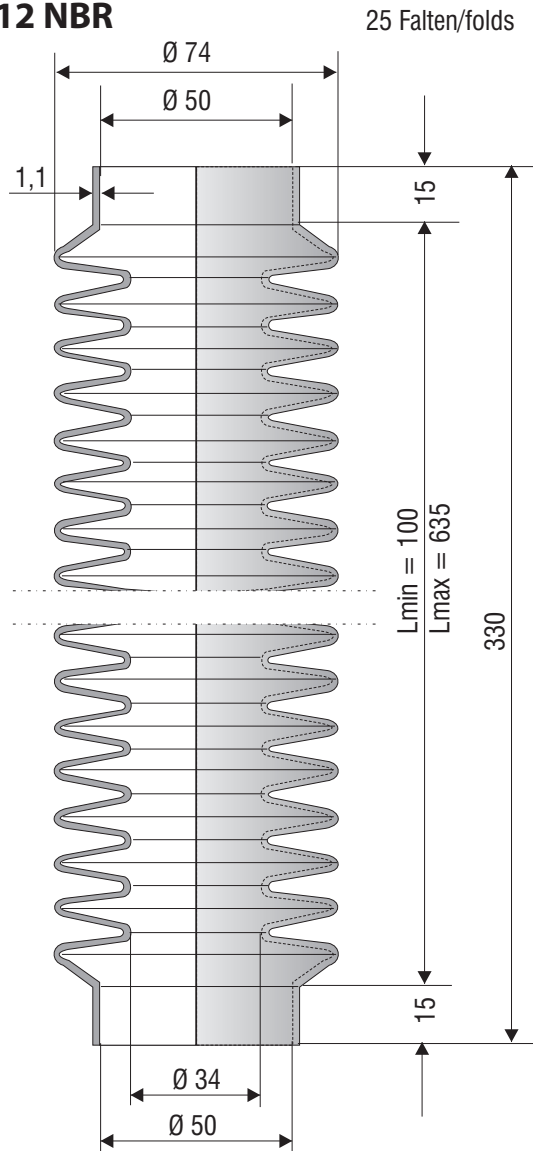
**F 1055 NBR**



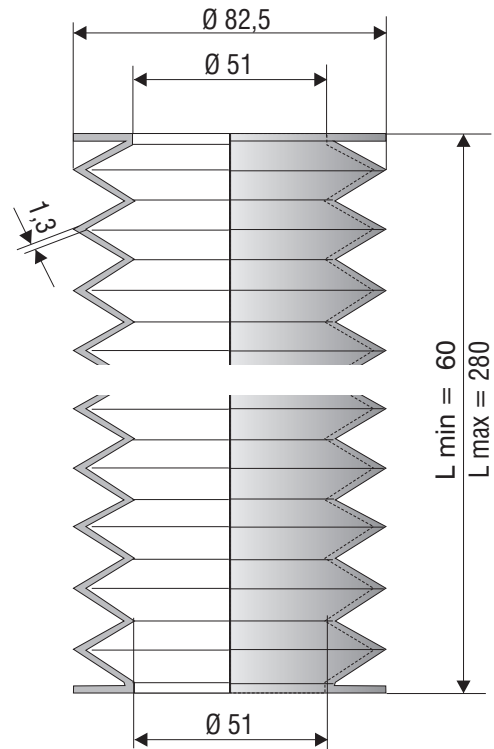
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 50 - 51 mm

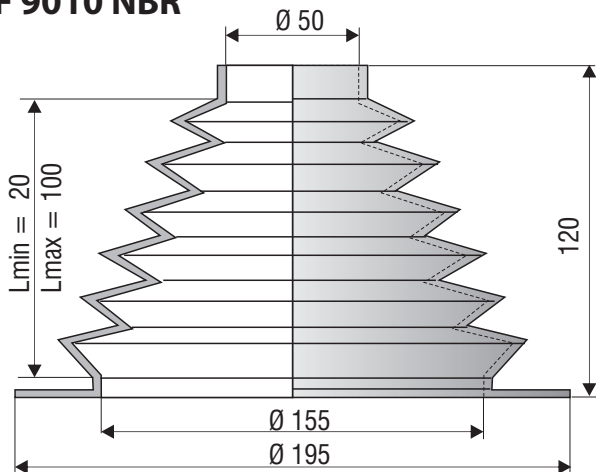
**F 4012 NBR**



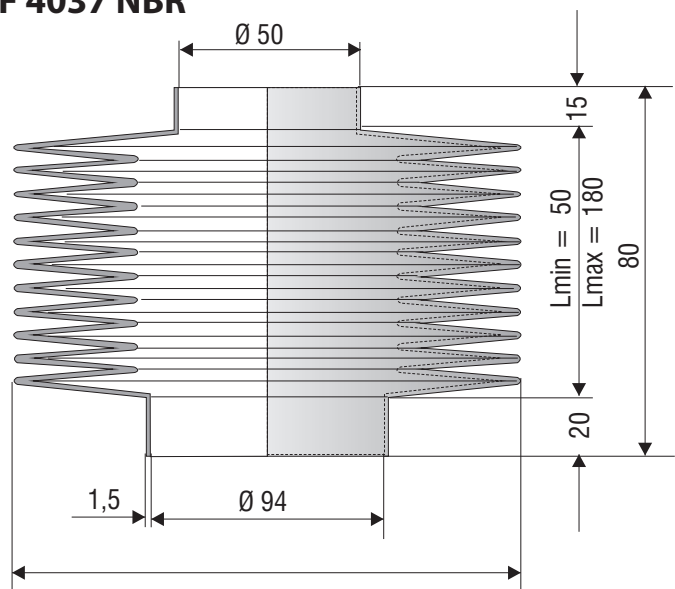
**F 1246 NBR**



**F 9010 NBR**



**F 4037 NBR**

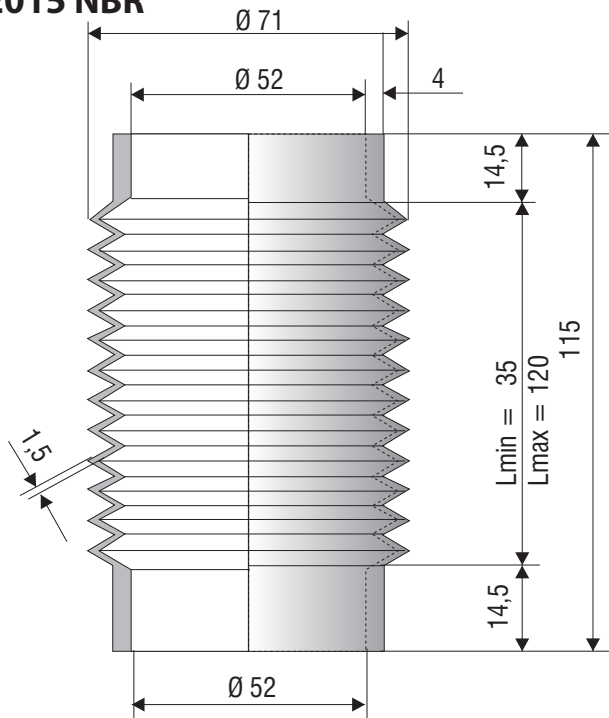




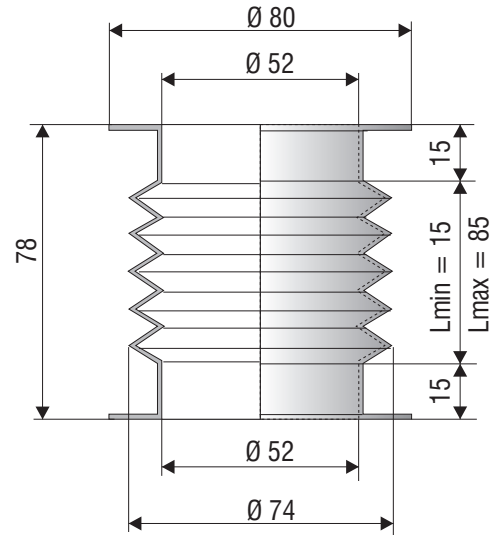
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 52 - 53 mm

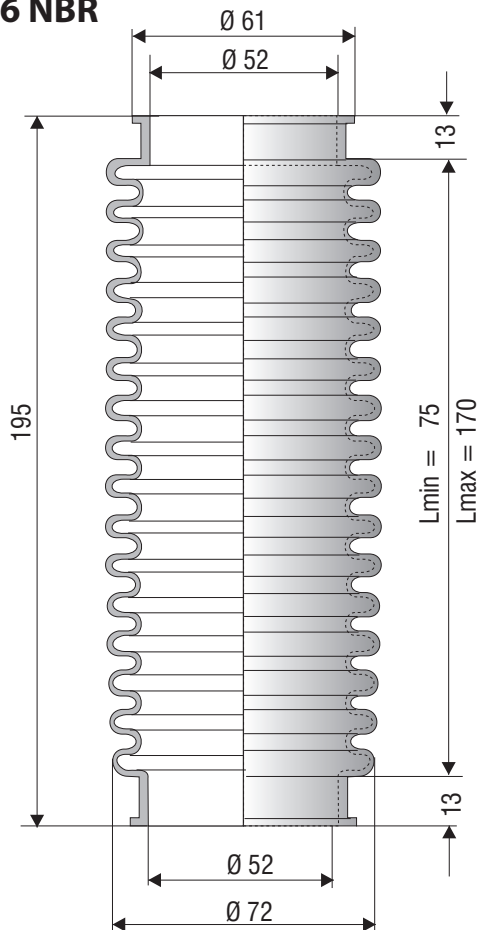
**F 2015 NBR**



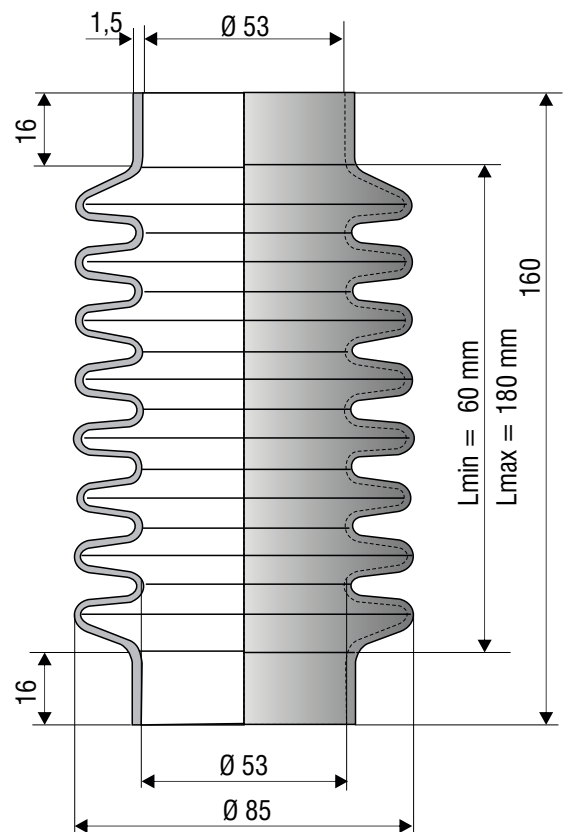
**F 1191 NBR**



**F 1016 NBR**

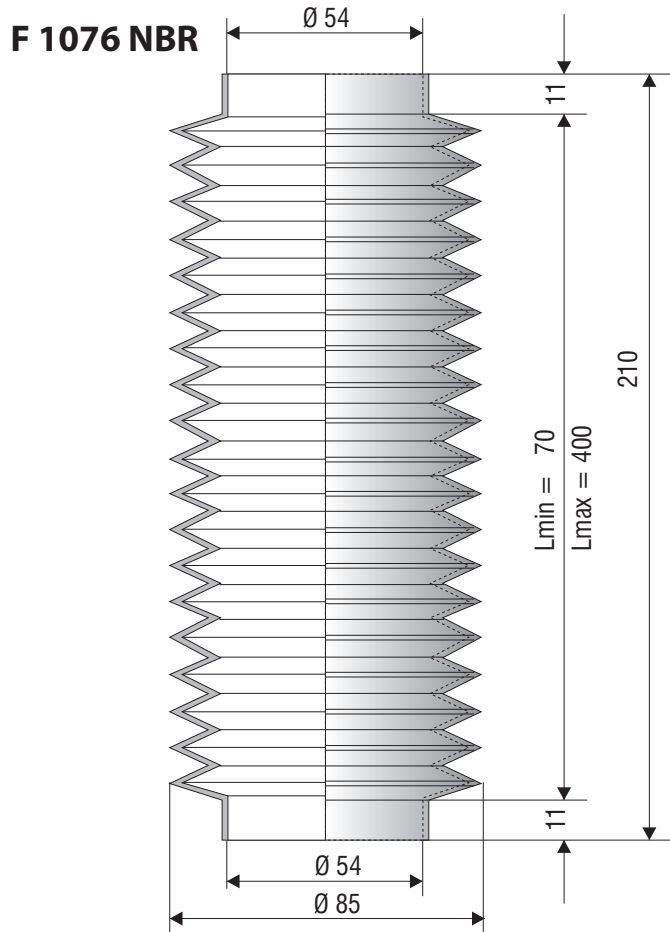


**F 4081 NBR**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

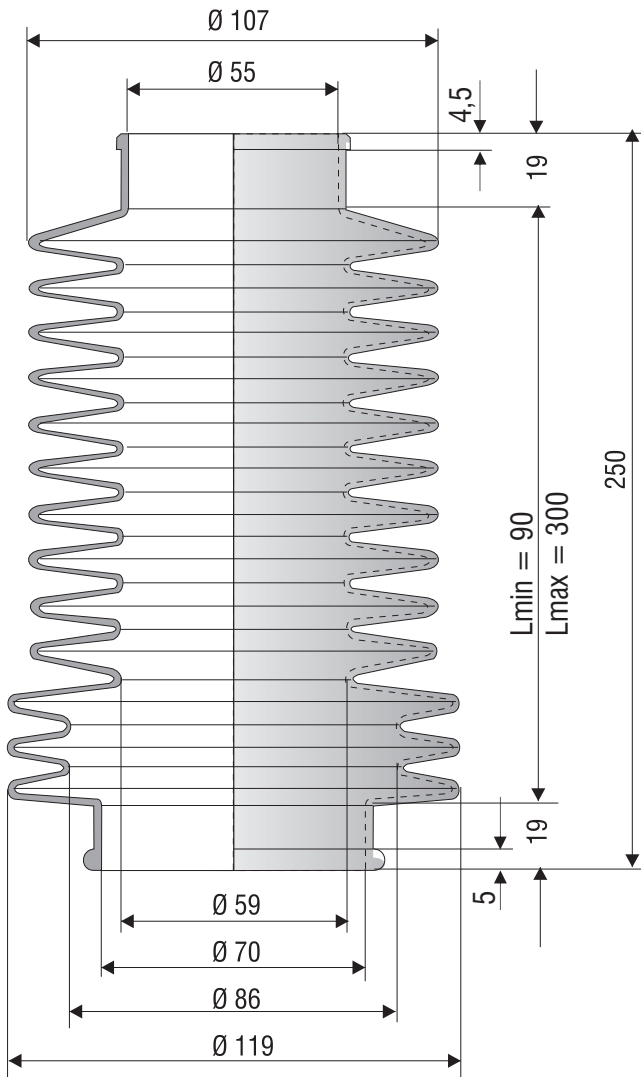
Ø 54 mm



# Vulkanisierte Faltenbälge / Moulded Bellows

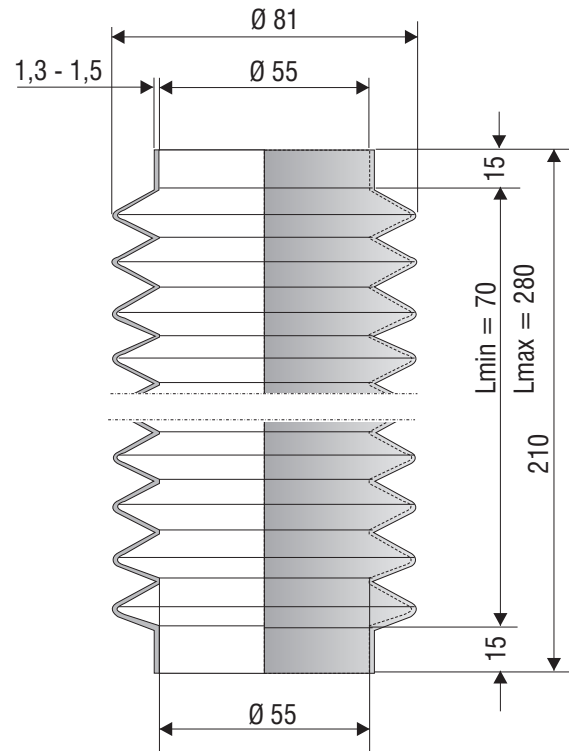
Ø 53 - 55 mm

**F 4011 NBR**

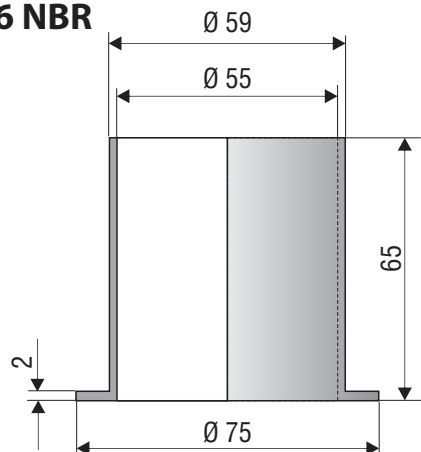


**F 1248 NBR**

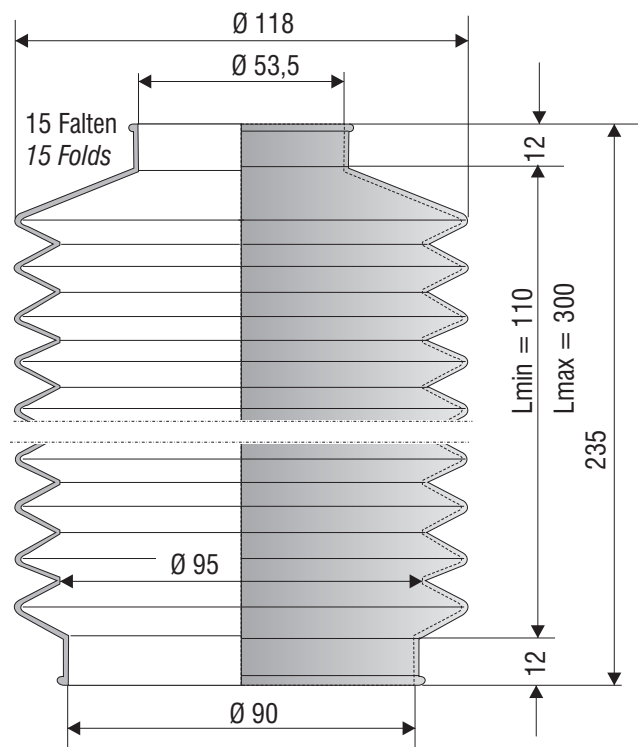
13 Falten  
13 Folds



**F 2006 NBR**



**F 1252 NBR**

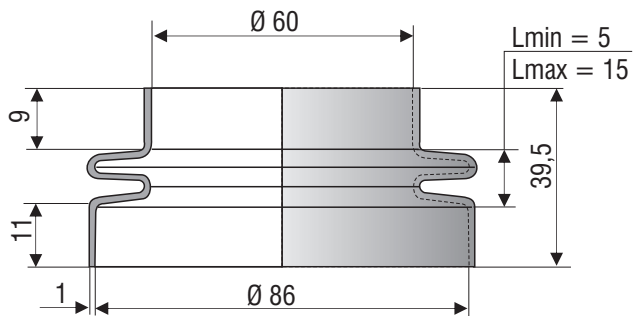




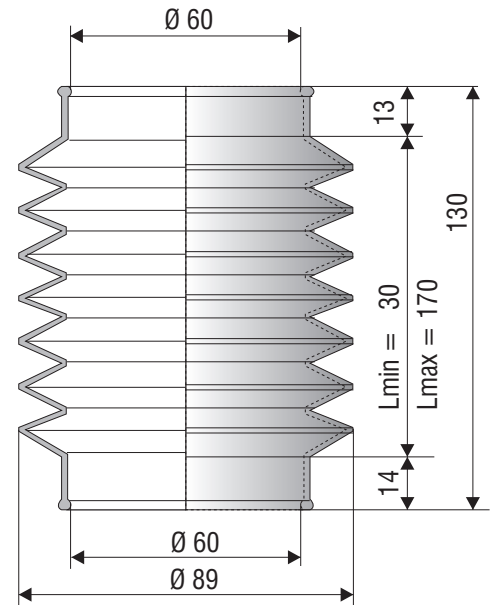
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 60 mm

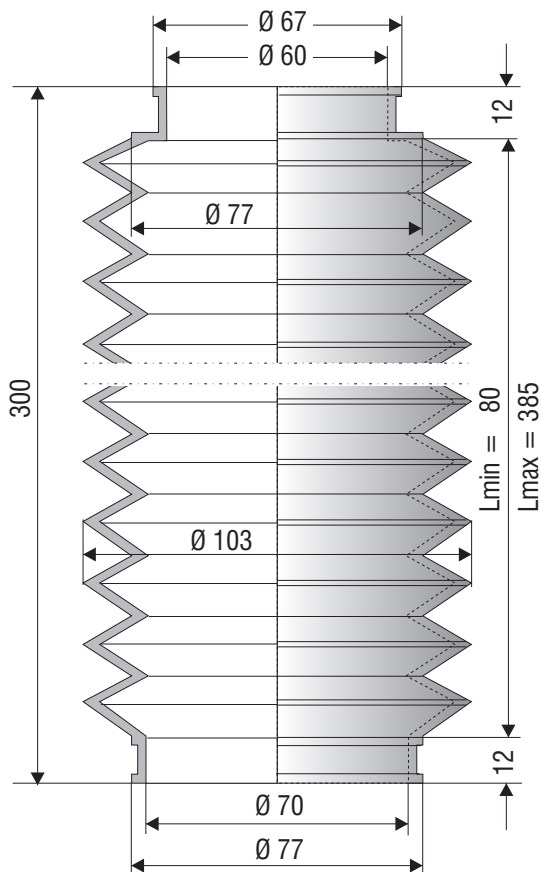
**F 9004 NBR**



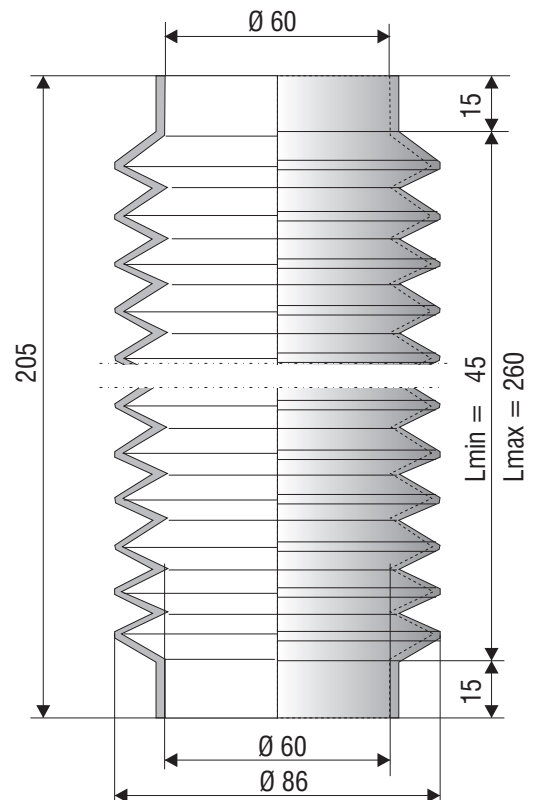
**F 1027 NBR**



**F 1031 NBR**

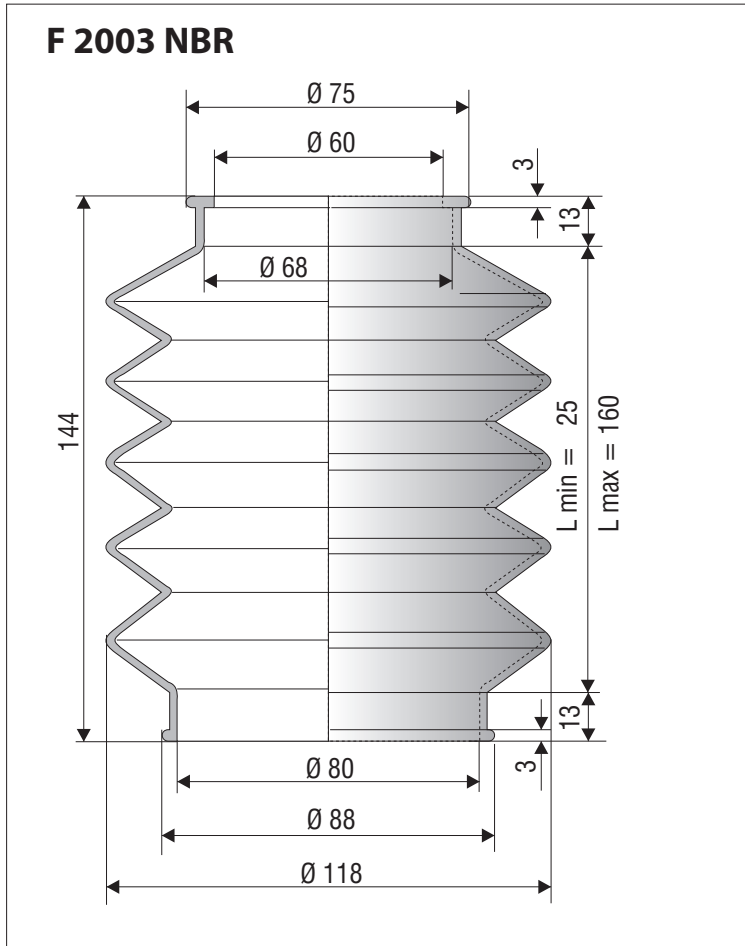


**F 1207 NBR**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

Ø 60 mm



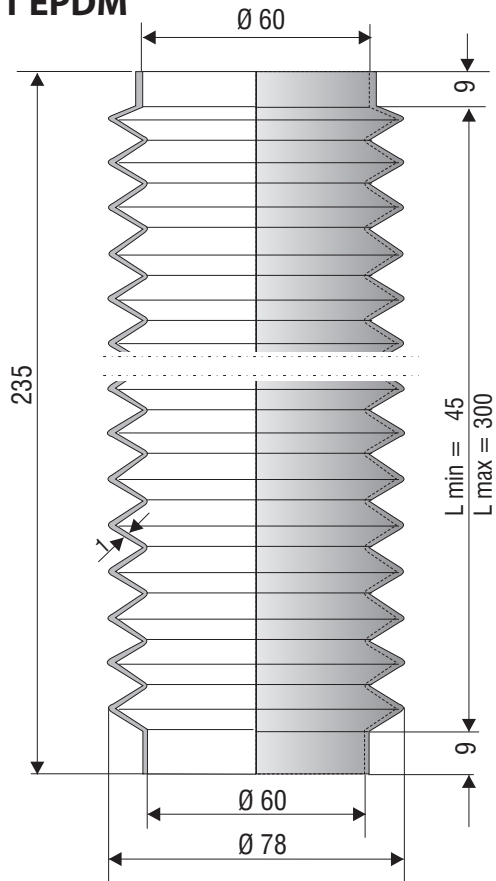
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 60 - 62 mm

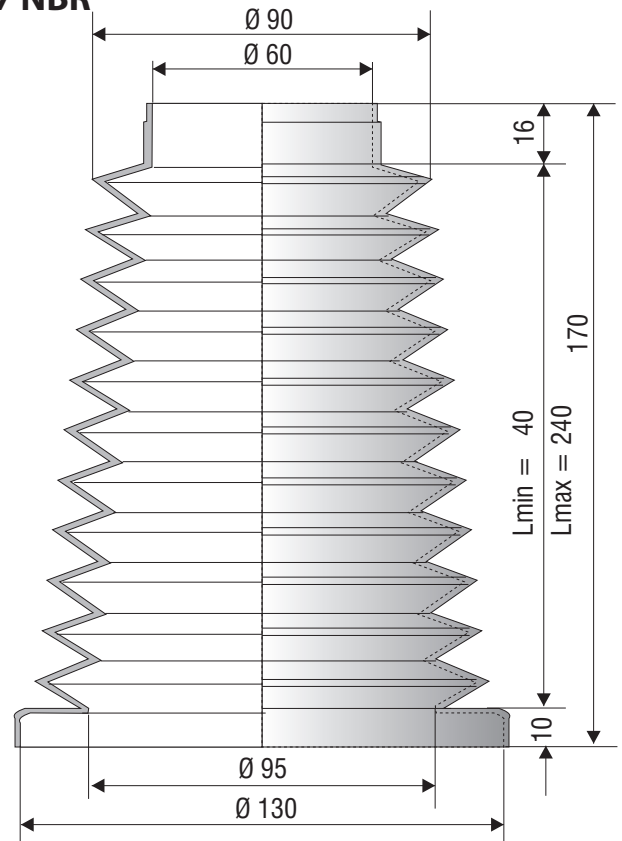
**F 2001 Si (rot/red)**

**F 2001 NBR**

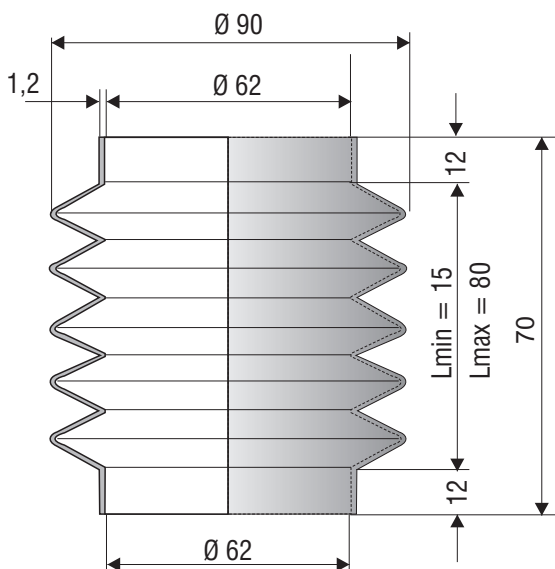
**F 2001 EPDM**



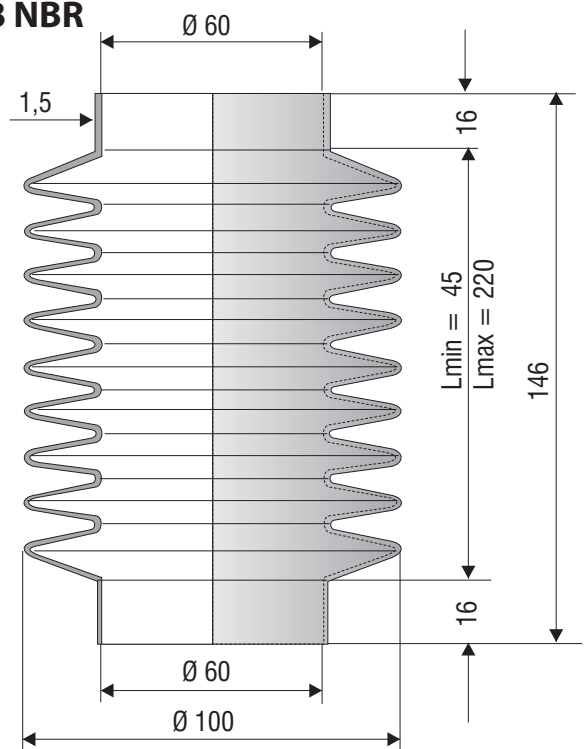
**F 1147 NBR**



**F 9002 NBR**



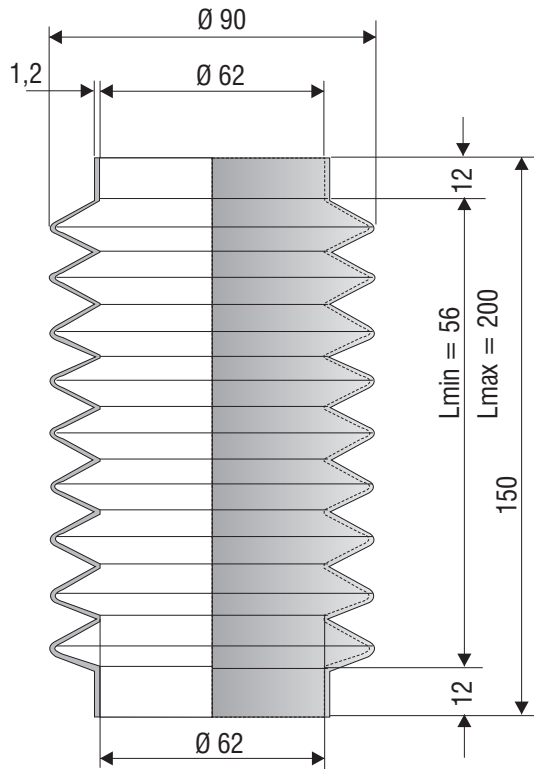
**F 4008 NBR**



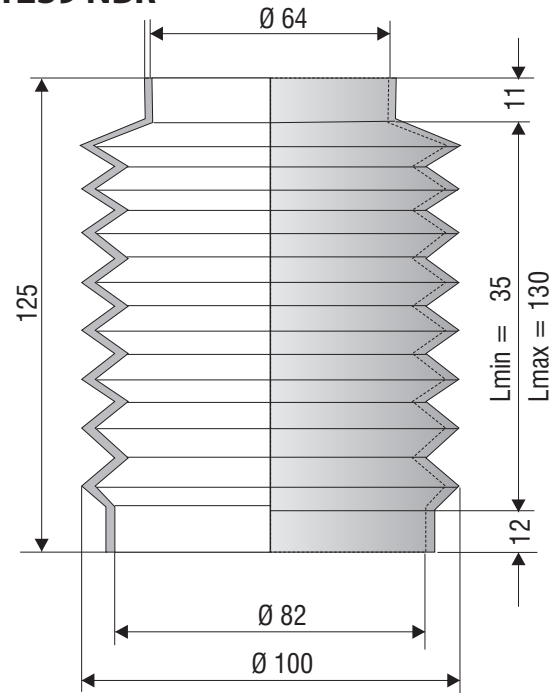
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 62 - 65 mm

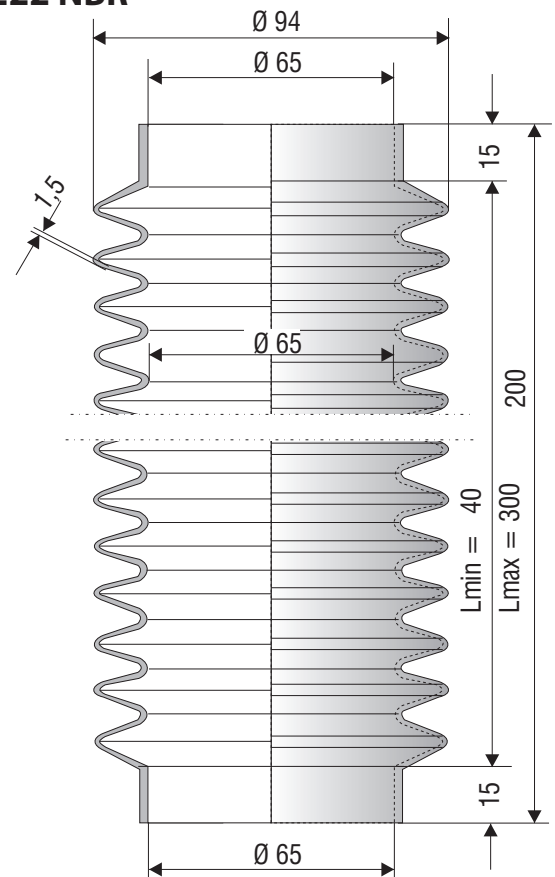
**F 1244 NBR**



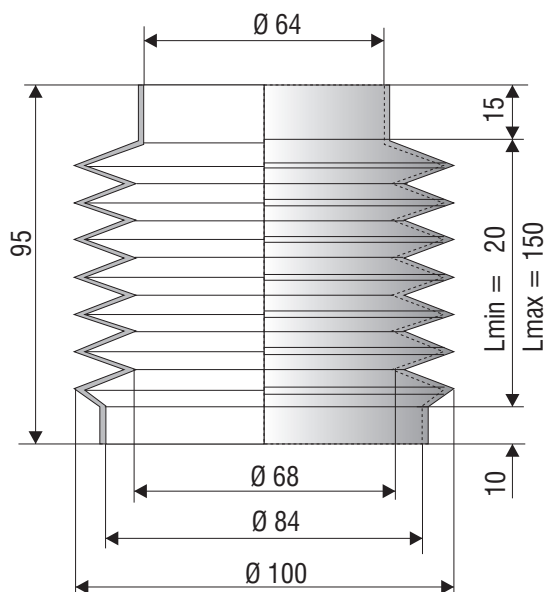
**F 1239 NBR**



**F 1222 NBR**



**F 1159 NBR**

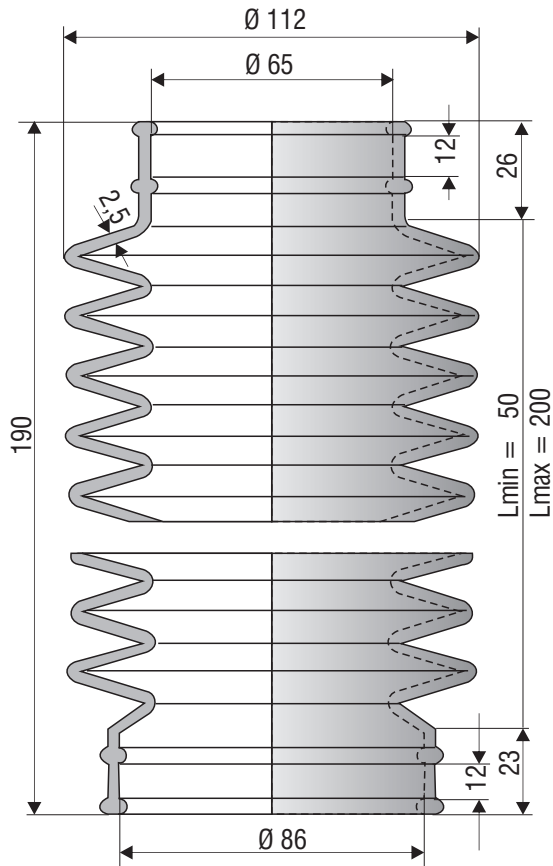




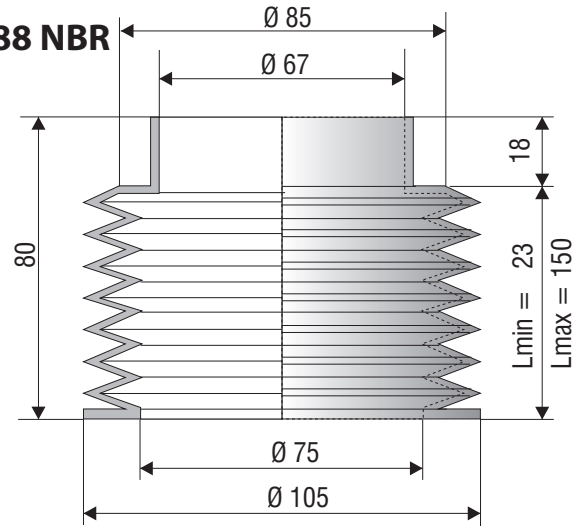
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 65 - 70 mm

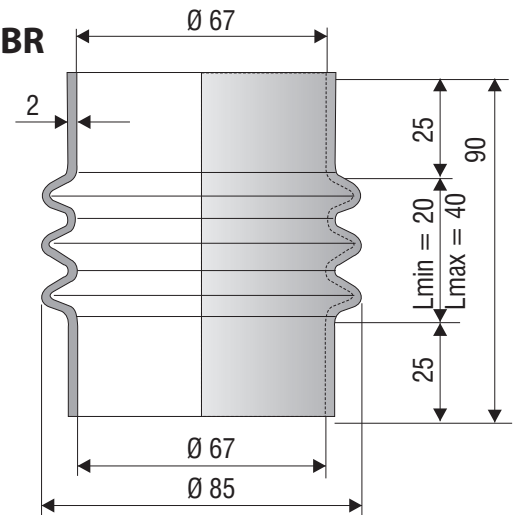
**F 4064 NBR**



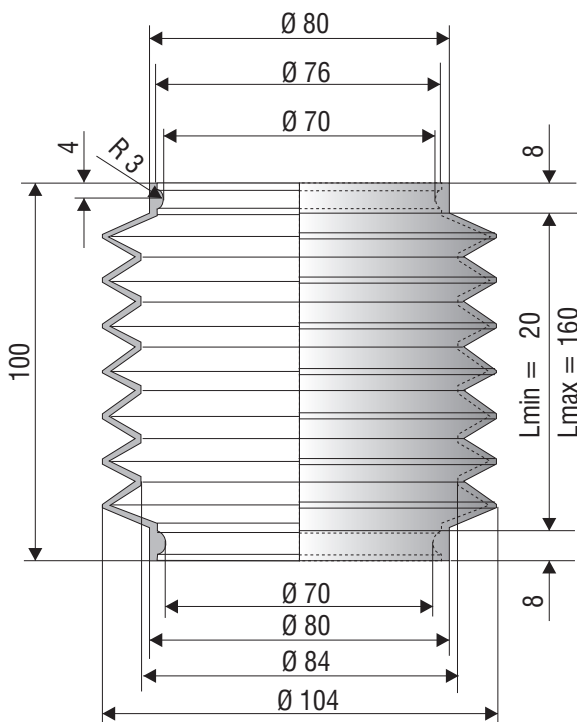
**F 1088 NBR**



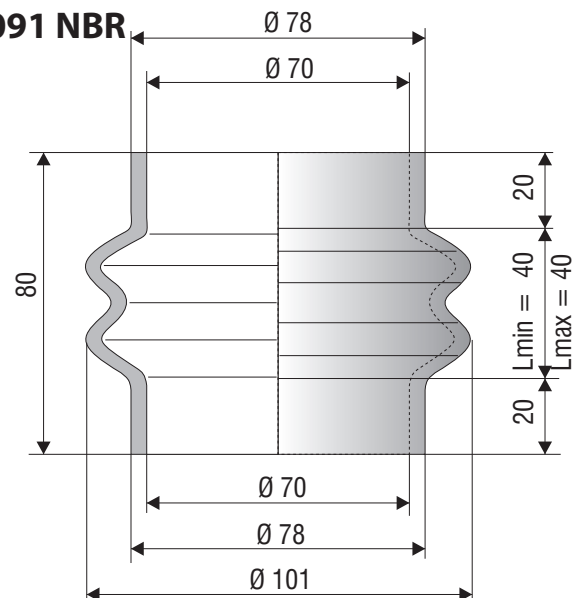
**F 4005 NBR**



**F 1148 NBR**



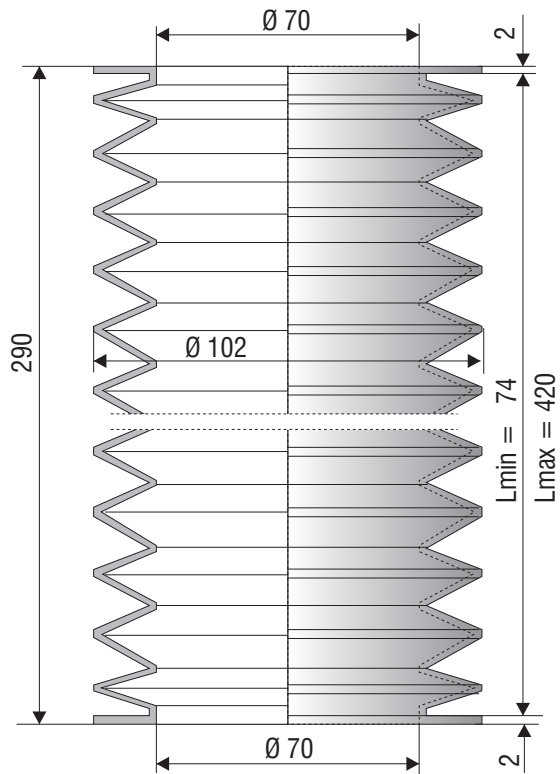
**F 1091 NBR**



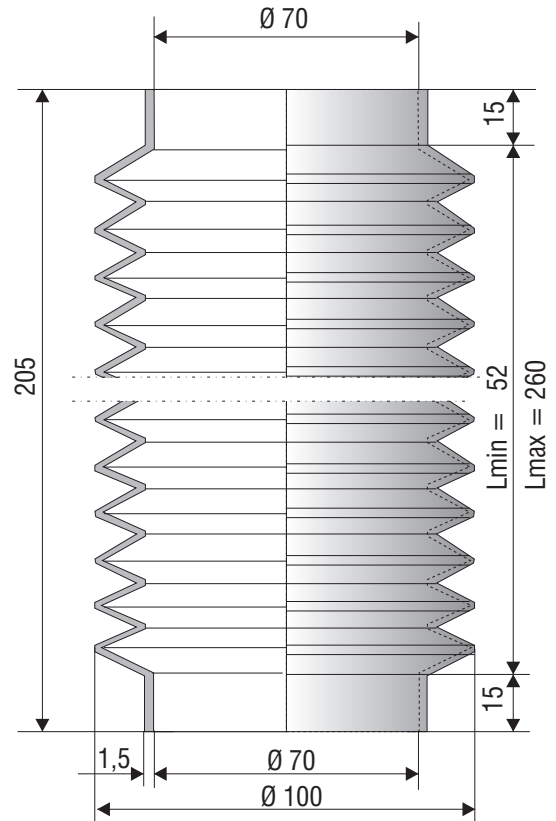
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 70 - 71 mm

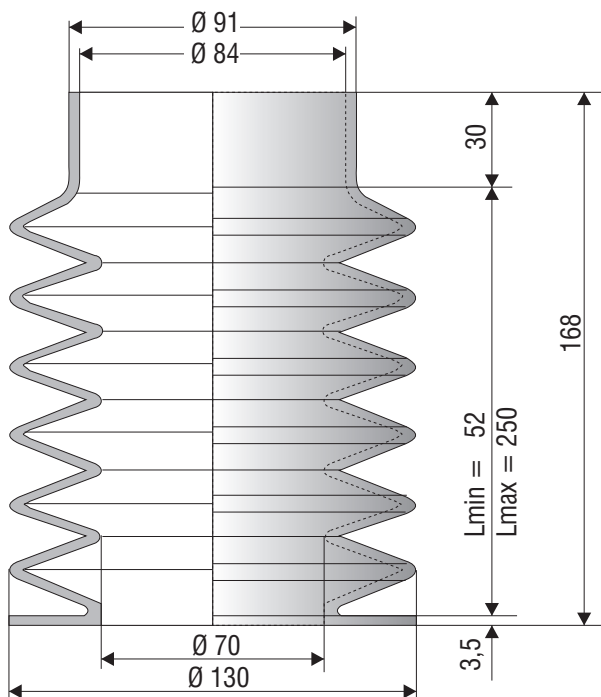
**F 1186 NBR**



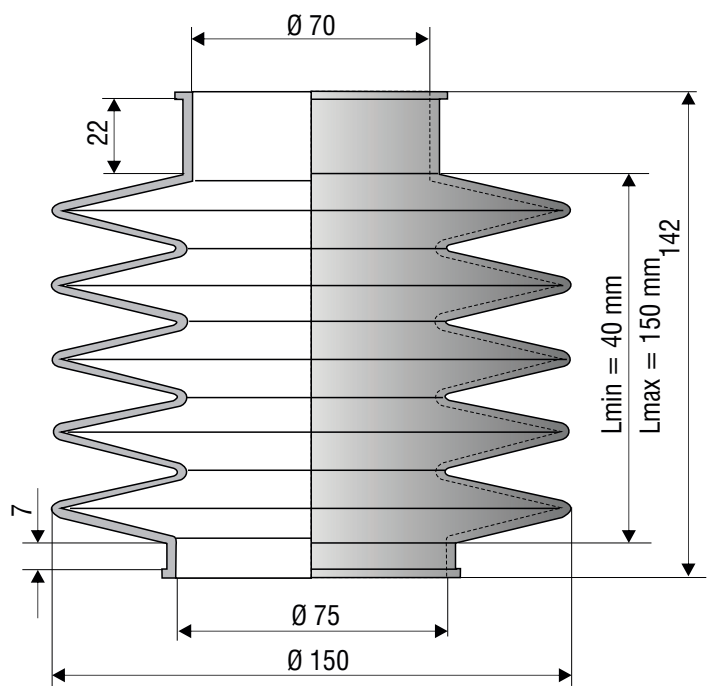
**F 1211 NBR**



**F 1528 NBR**



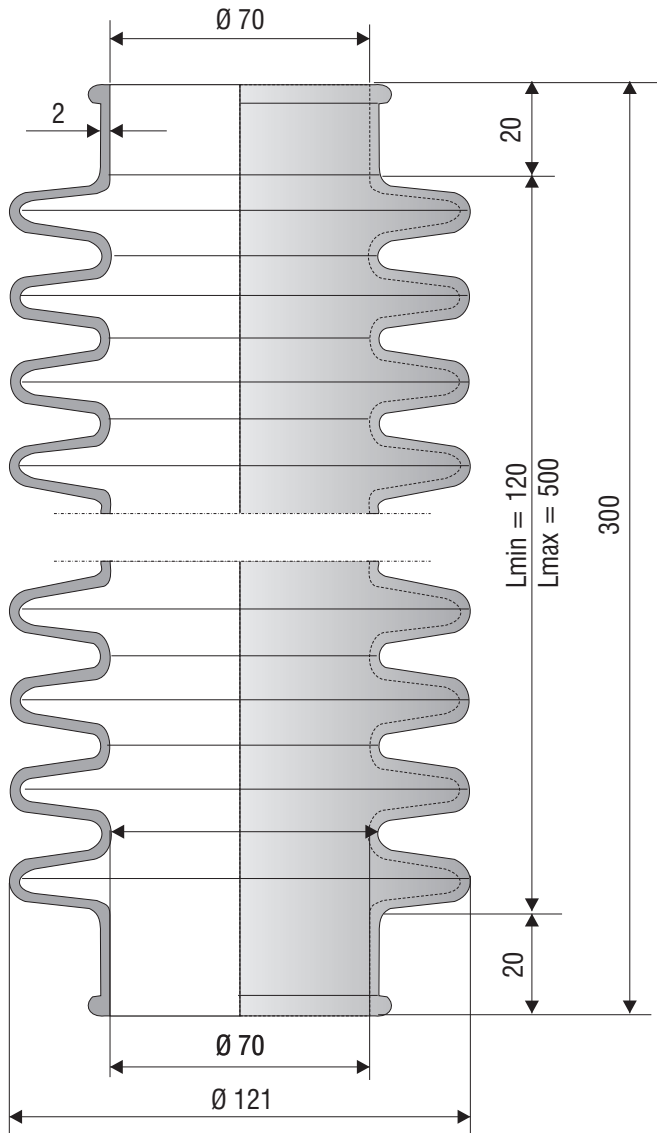
**F 4078 NBR**



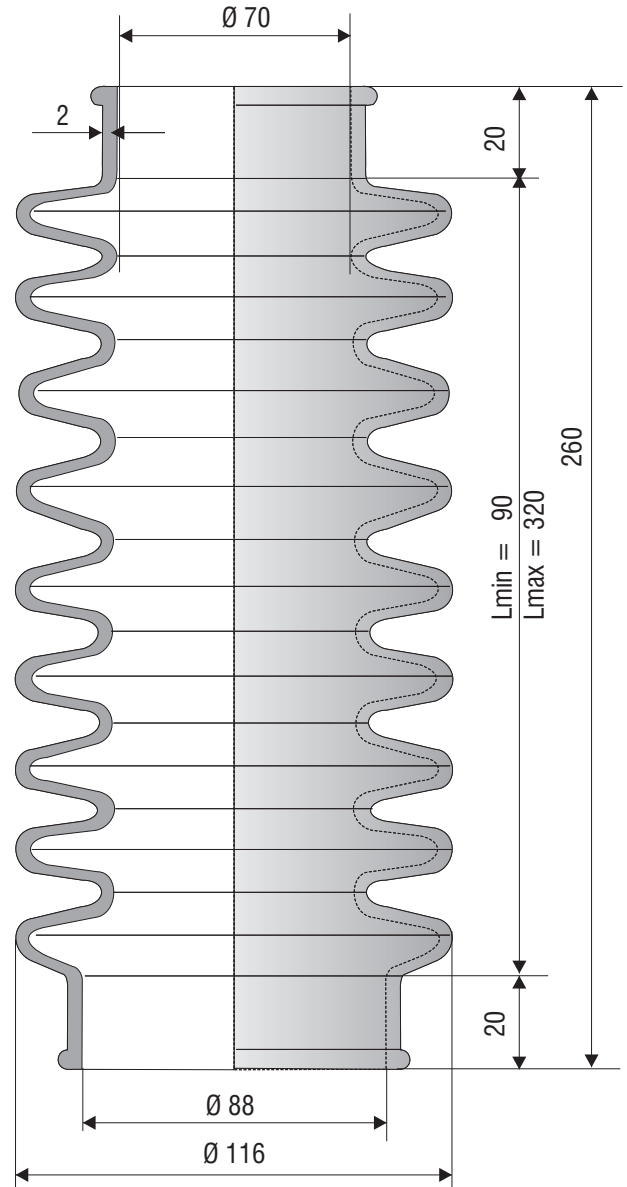
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 70 - 71 mm

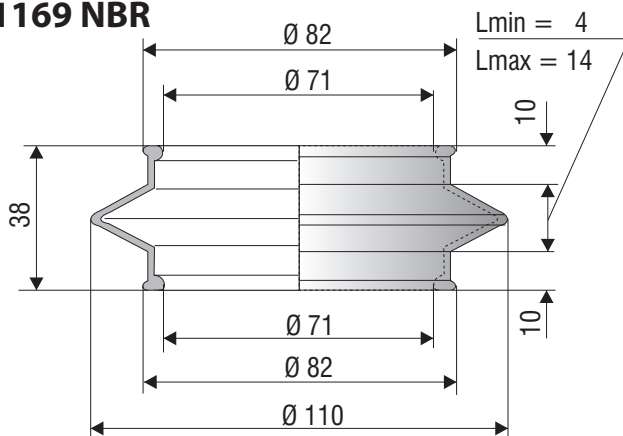
**F 4003 NBR** 13 Falten/folds



**F 4004 NBR**



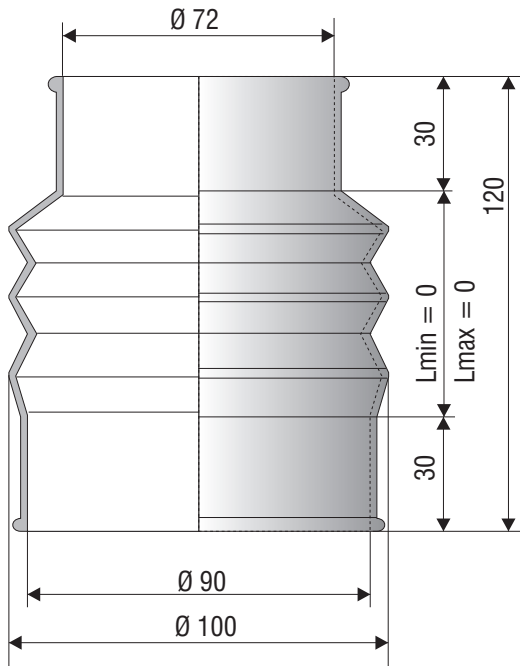
**F 1169 NBR**



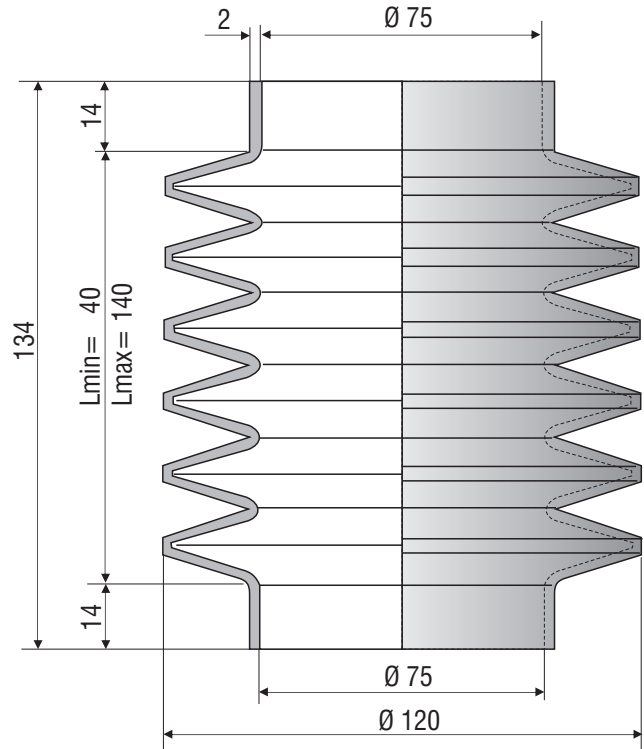
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 72 - 75 mm

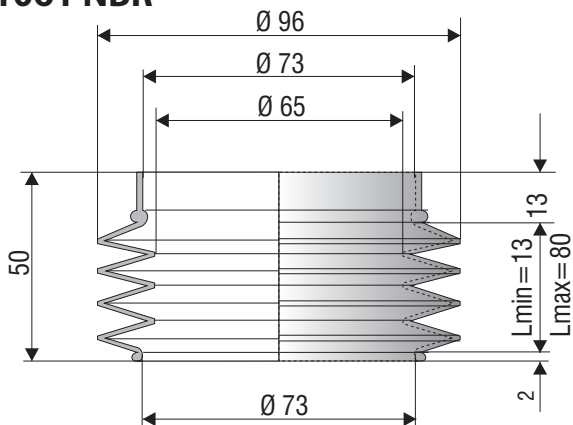
**F 1049 NBR**



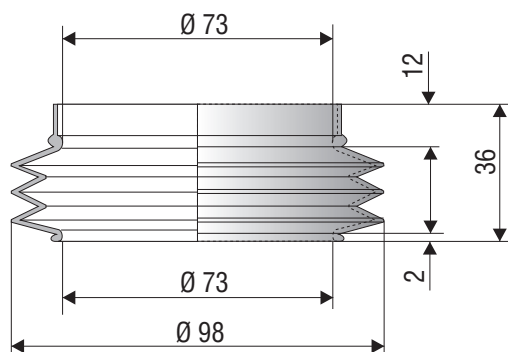
**F 4057 NBR**



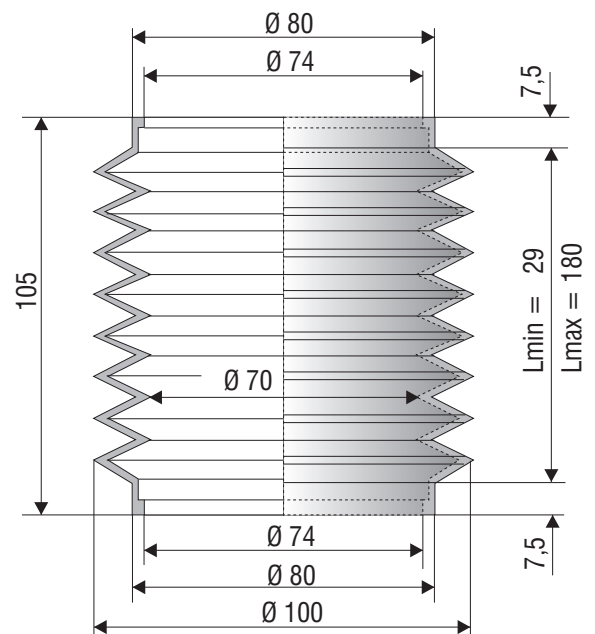
**F 1061 NBR**



**F 1096 NBR**



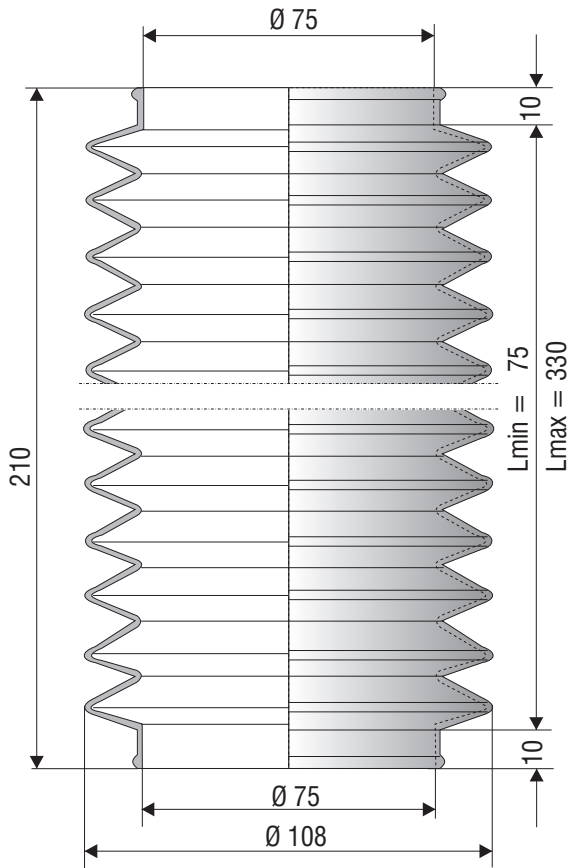
**F 1109 NBR**



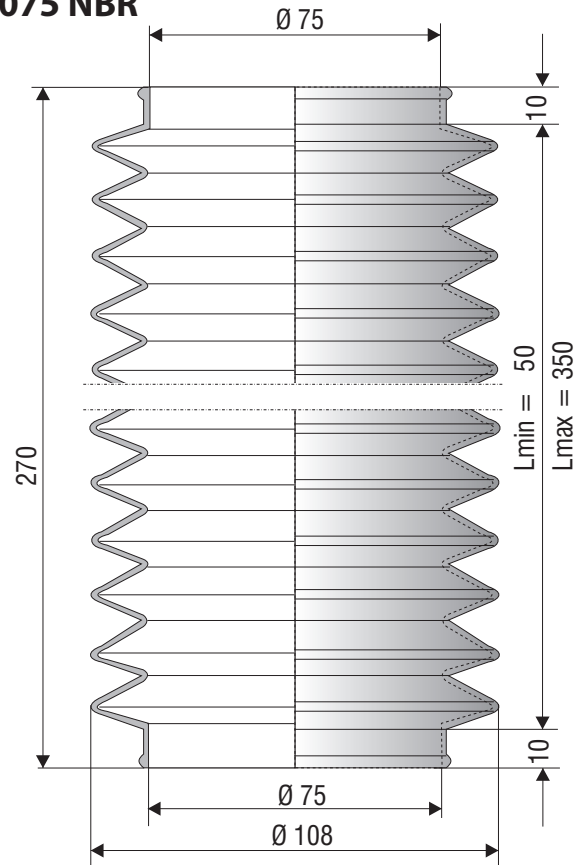
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 75 - 79 mm

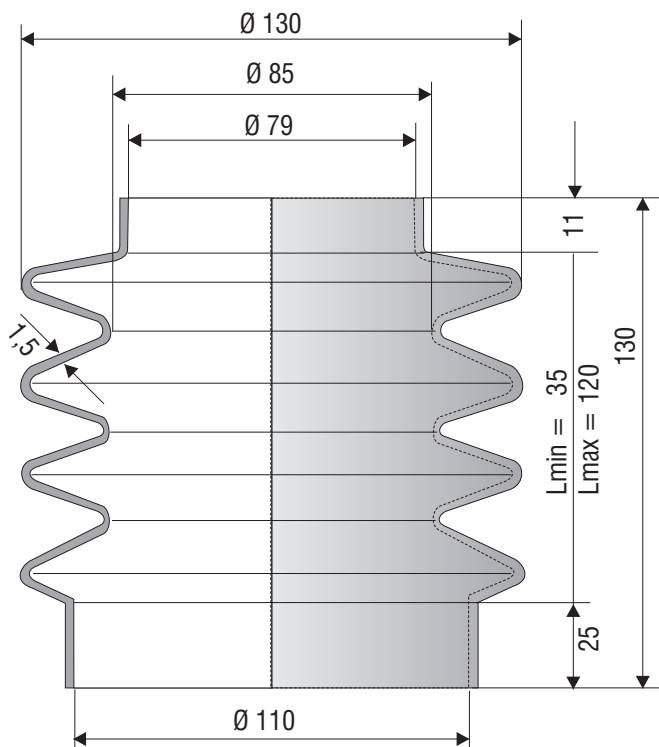
**F 1179 NBR** Alternative: F 2075 NBR



**F 2075 NBR**



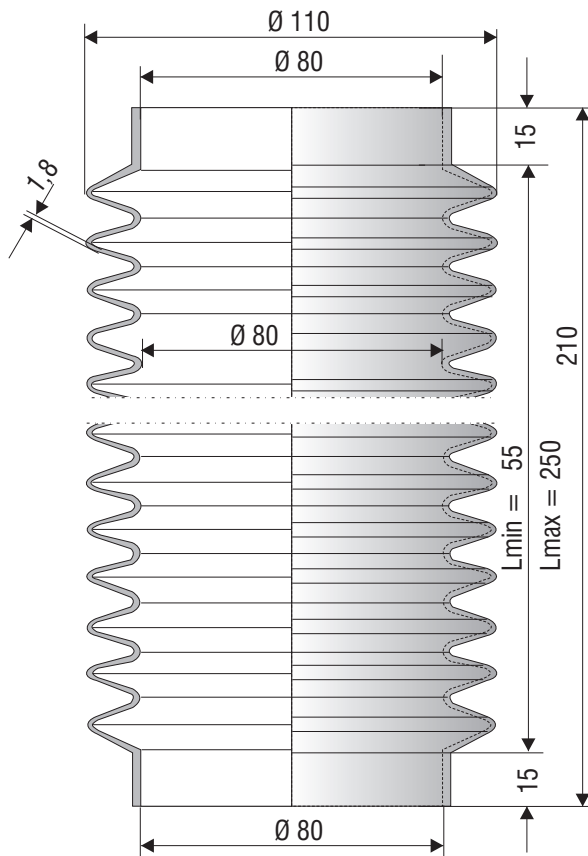
**F 4002 NBR**



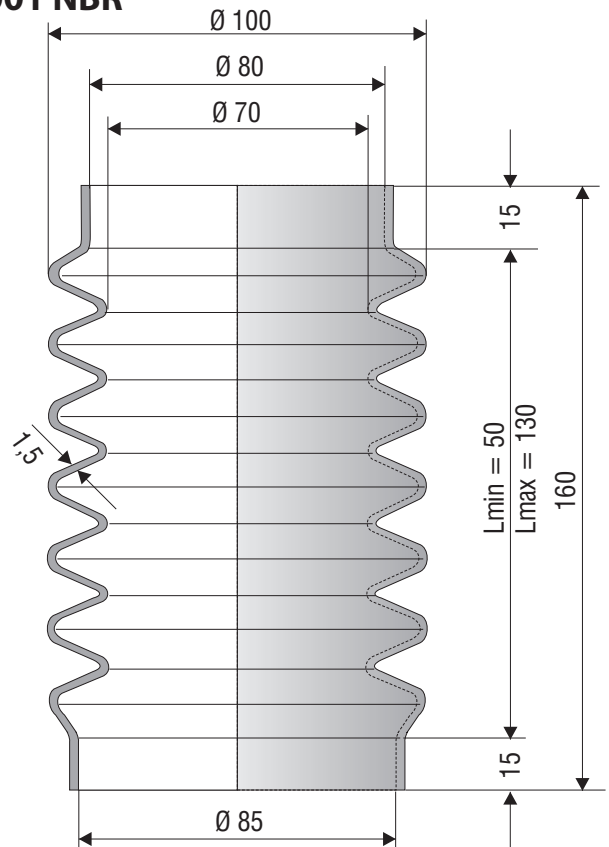
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 80 mm

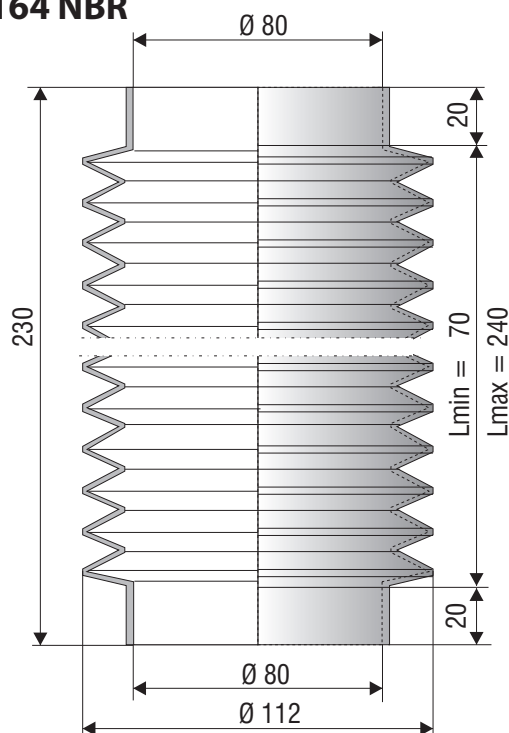
**F 1224 NBR**



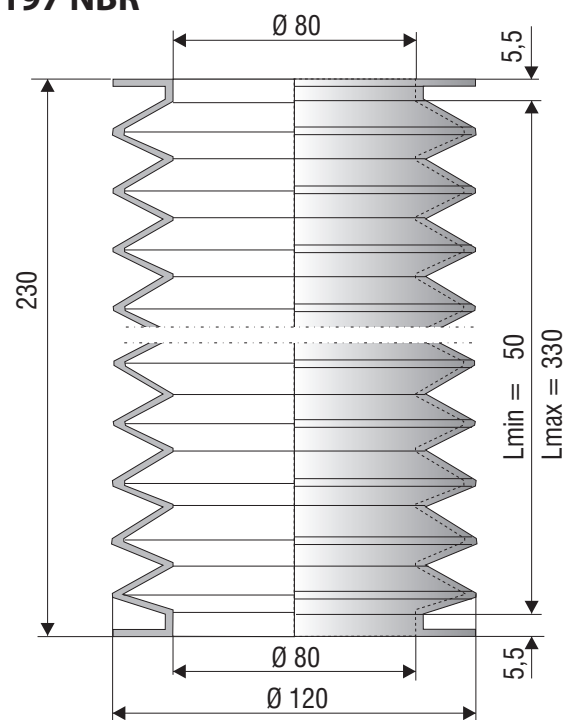
**F 4001 NBR**



**F 1164 NBR**



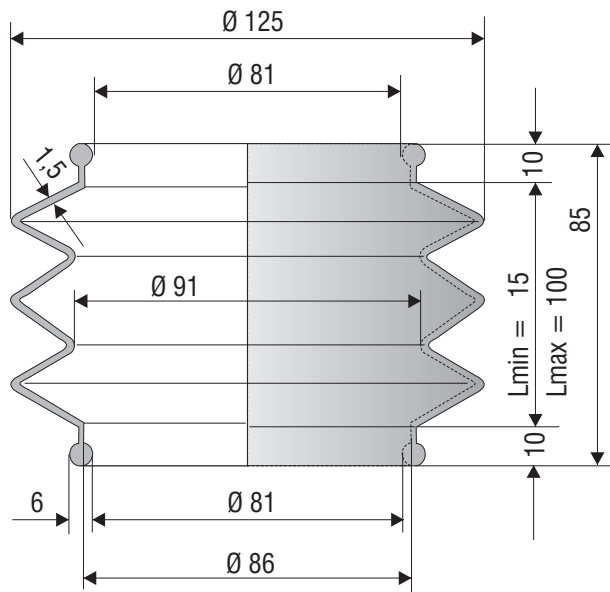
**F 1197 NBR**



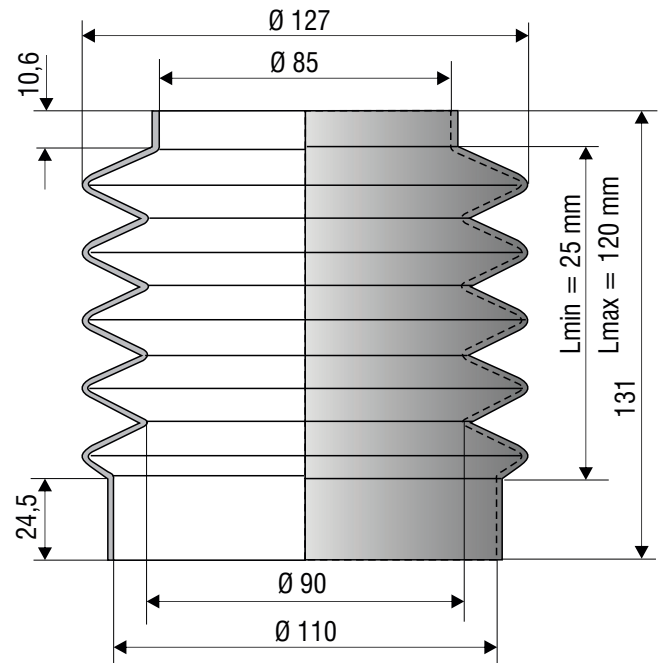
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 80 - 85 mm

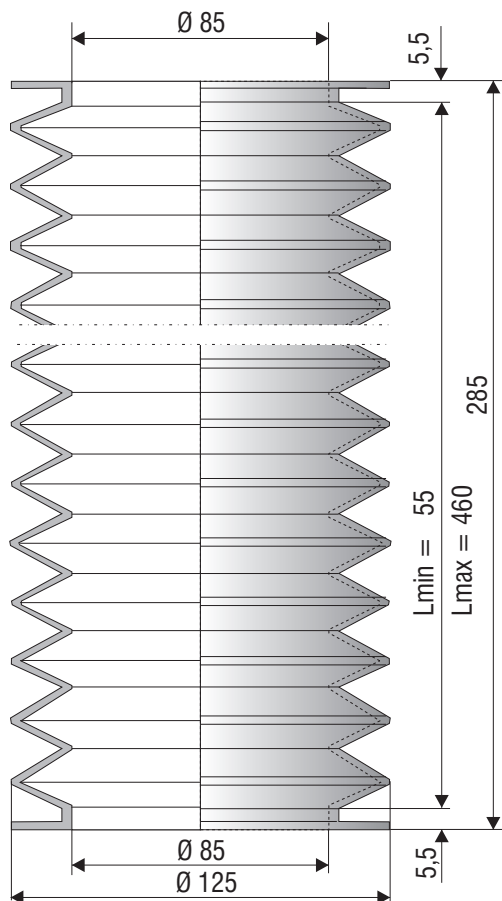
**F 1225 NBR**



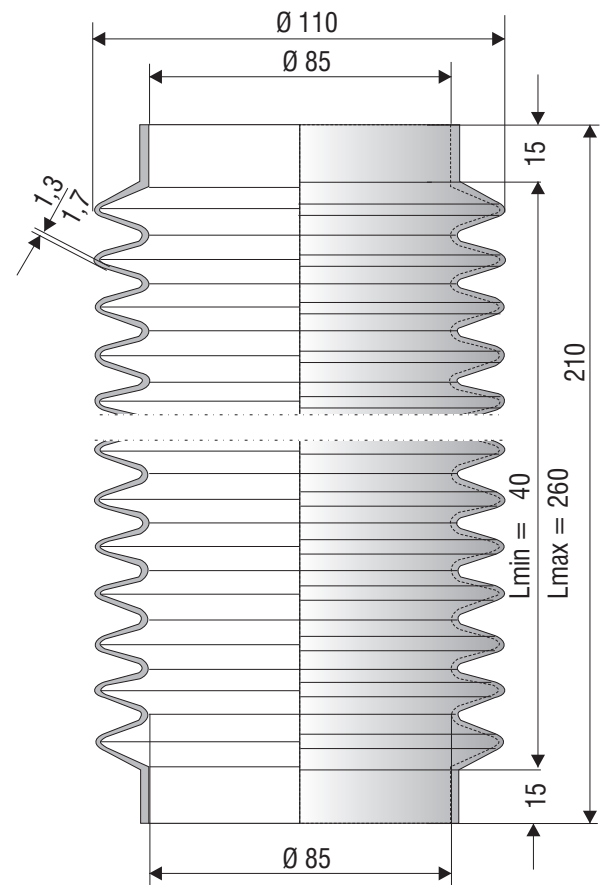
**F 4079 NBR**



**F 1201 NBR**



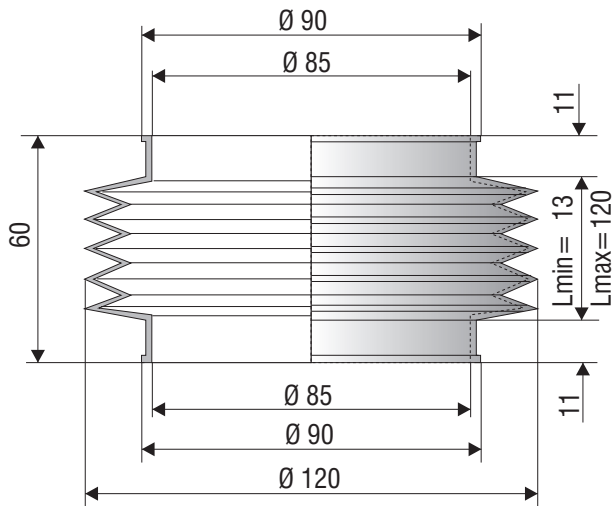
**F 1221 NBR**



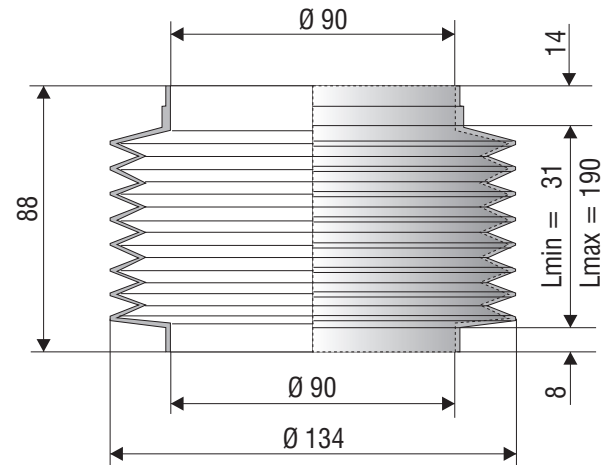
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 85 - 92 mm

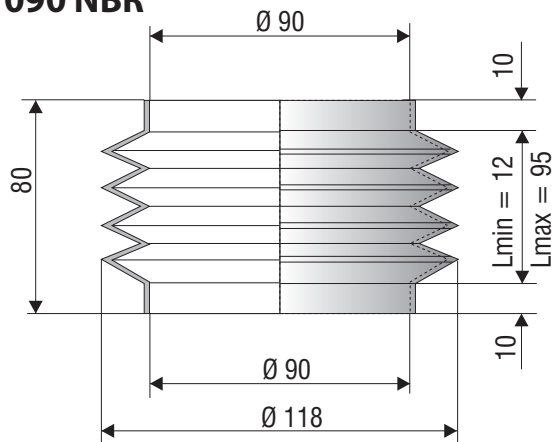
**F 1118 NBR**



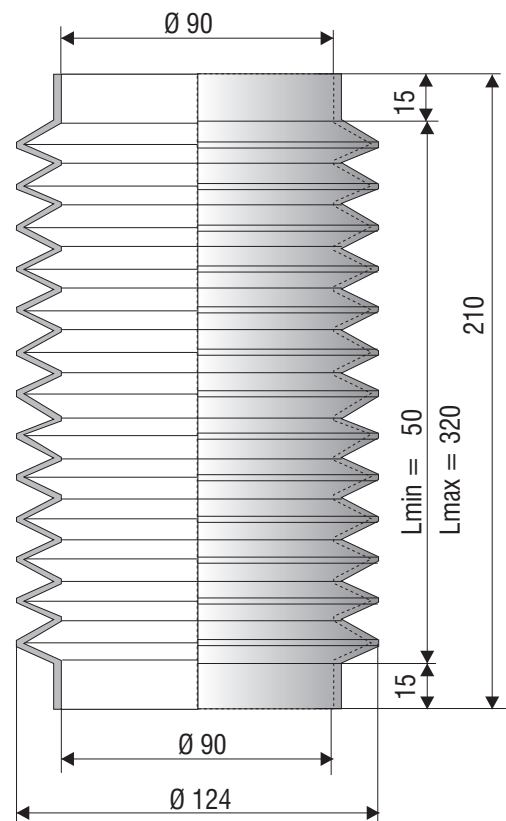
**F 1071 NBR**



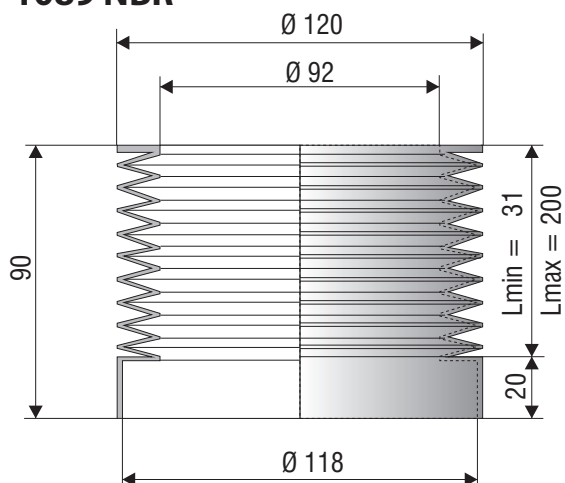
**F 1090 NBR**



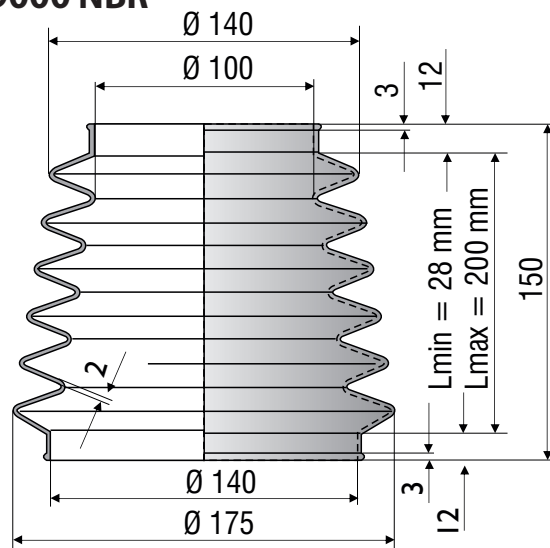
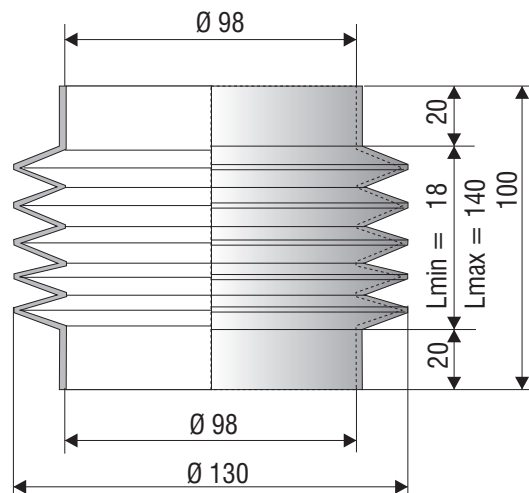
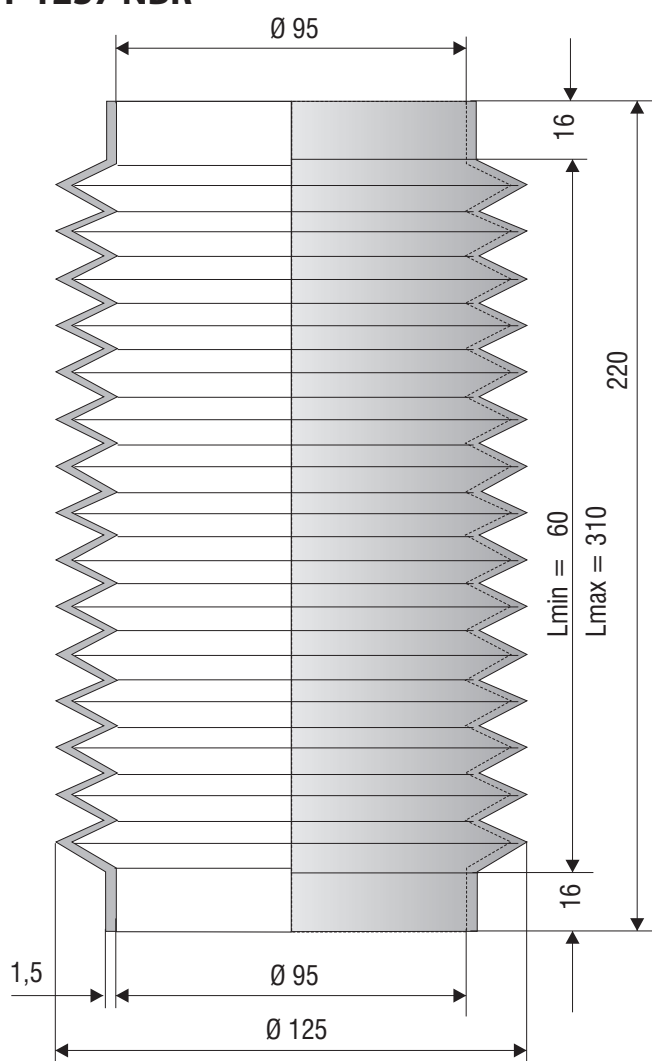
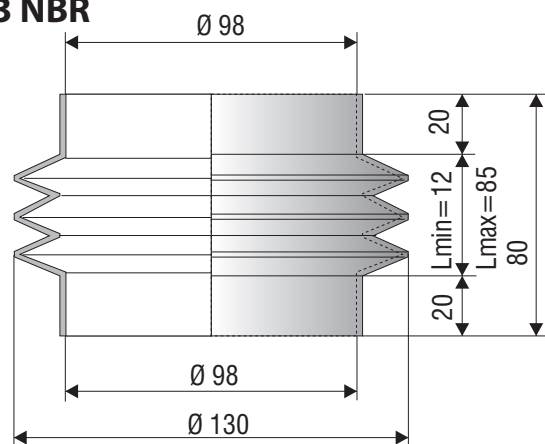
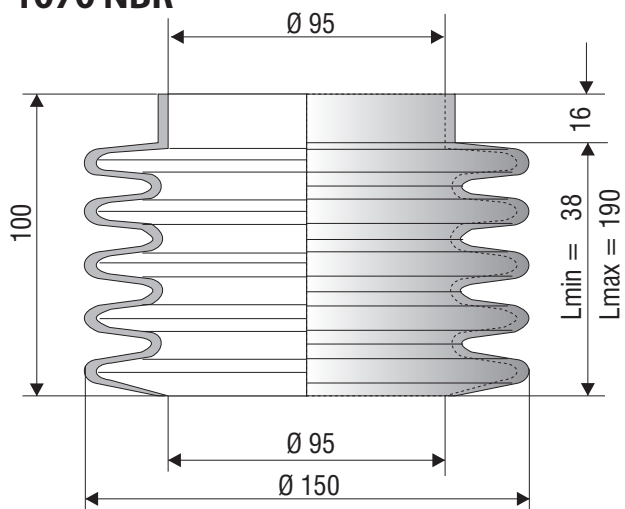
**F 1217 NBR**



**F 1089 NBR**



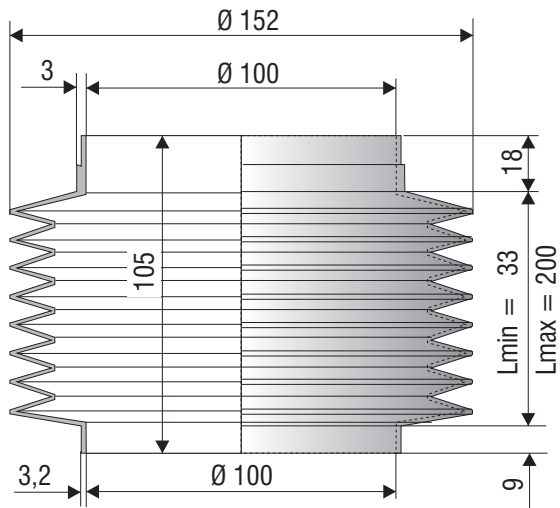




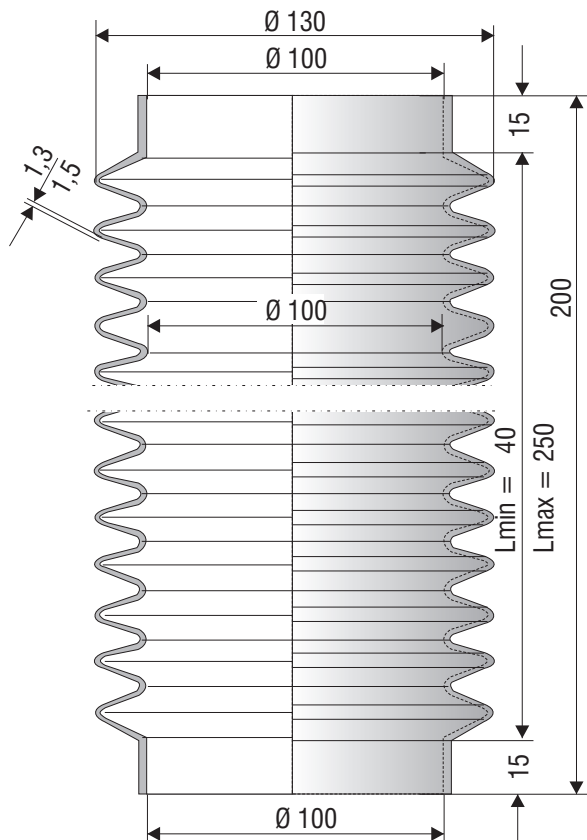
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 100 mm

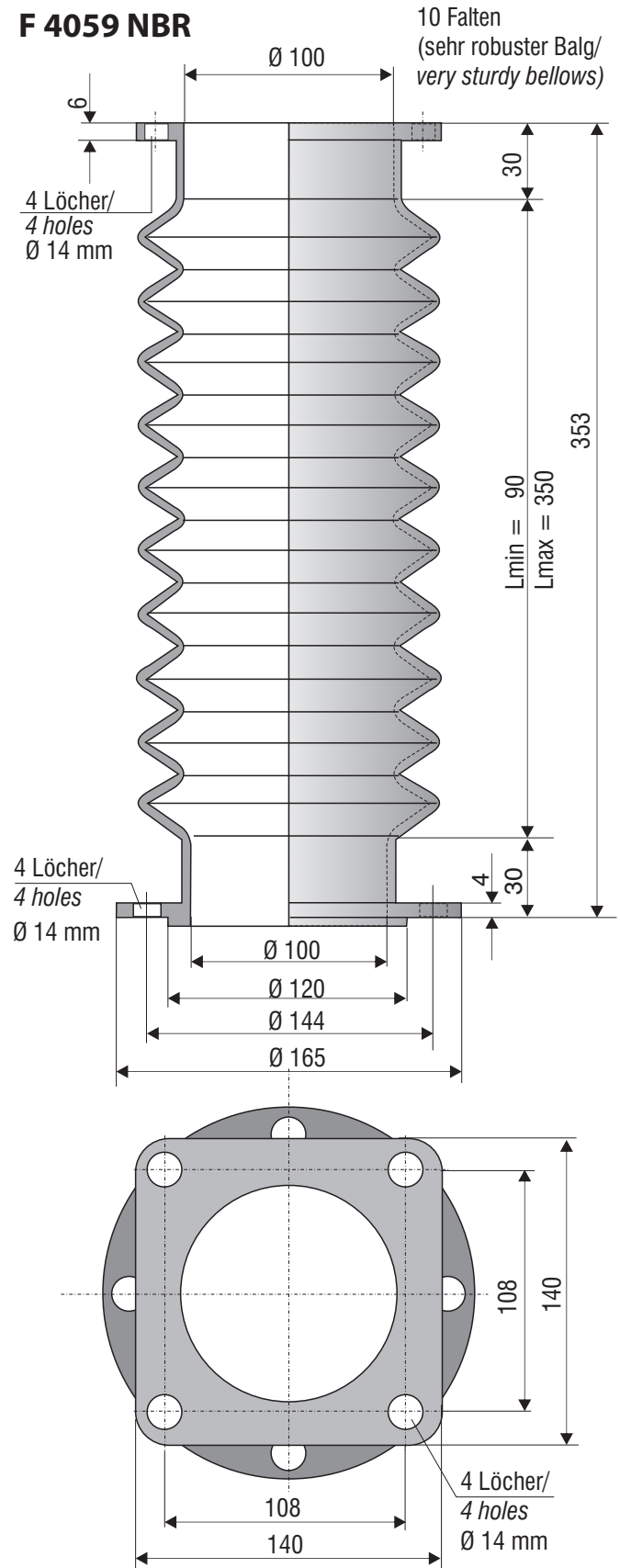
**F 1074 NBR**



**F 1218 NBR**



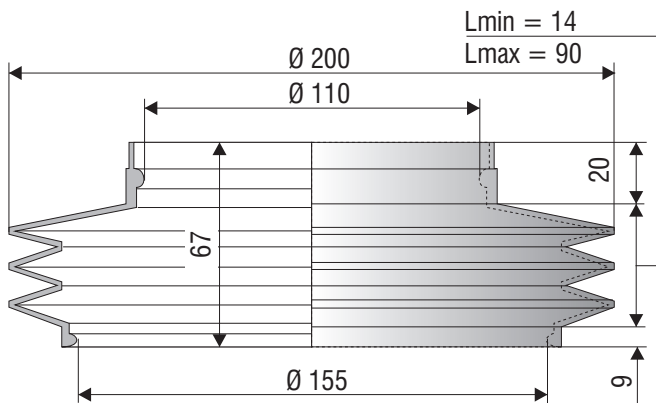
**F 4059 NBR**



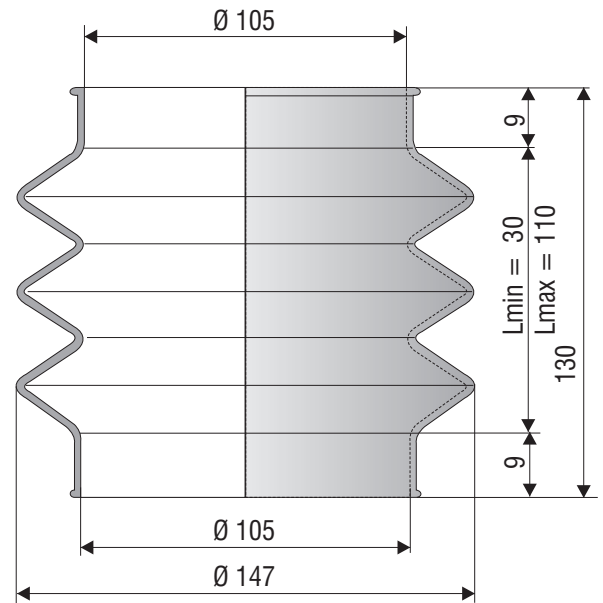
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 100 - 110 mm

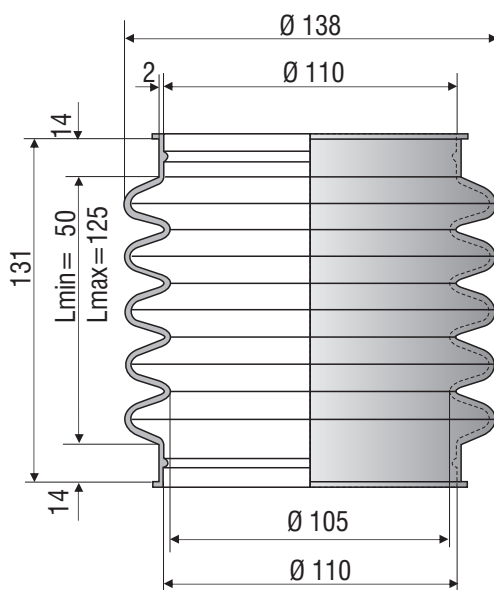
**F 1085 NBR**



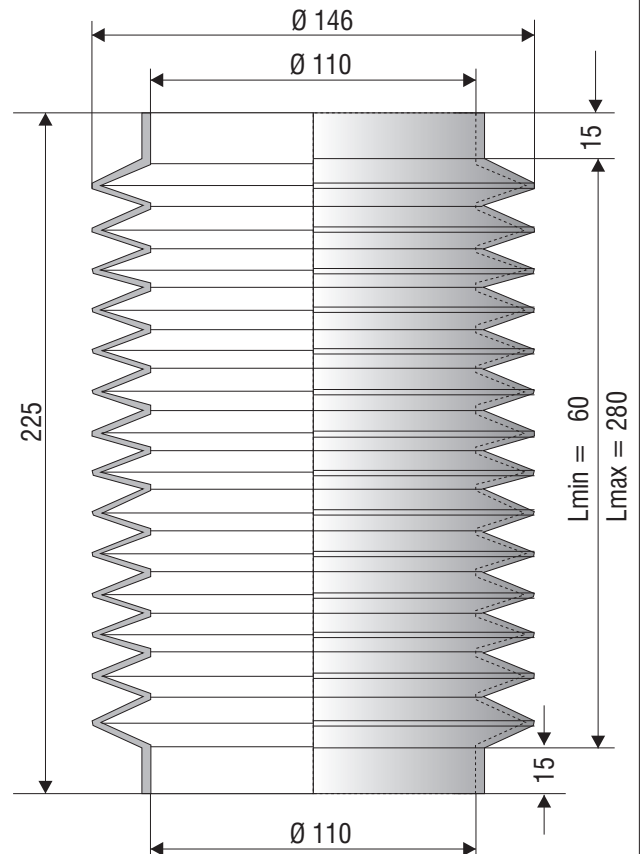
**F 4056 NBR**



**F 4060 NBR**



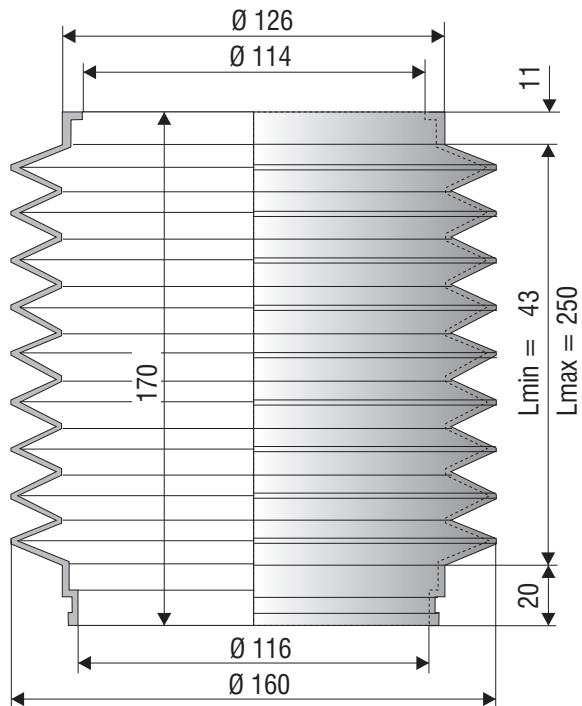
**F 1216 NBR**



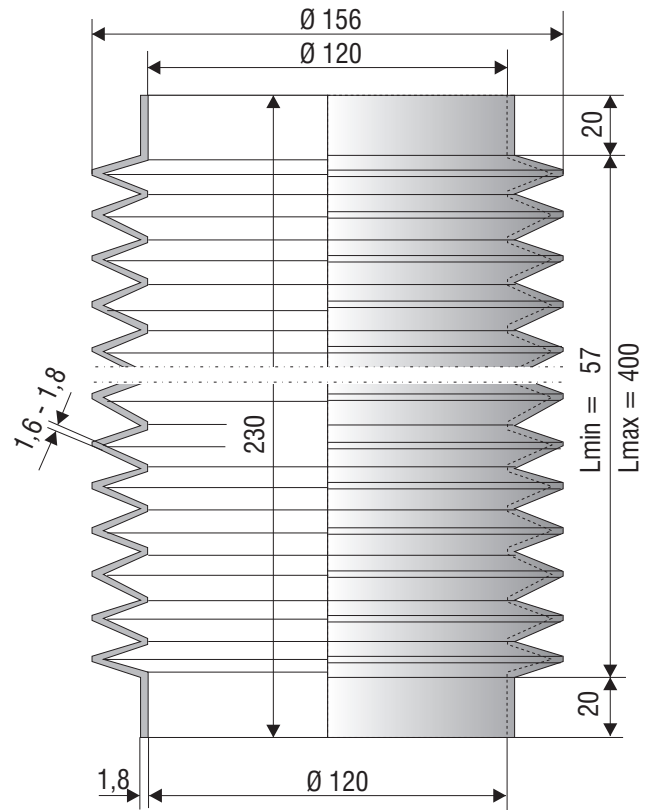
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 114 - 130 mm

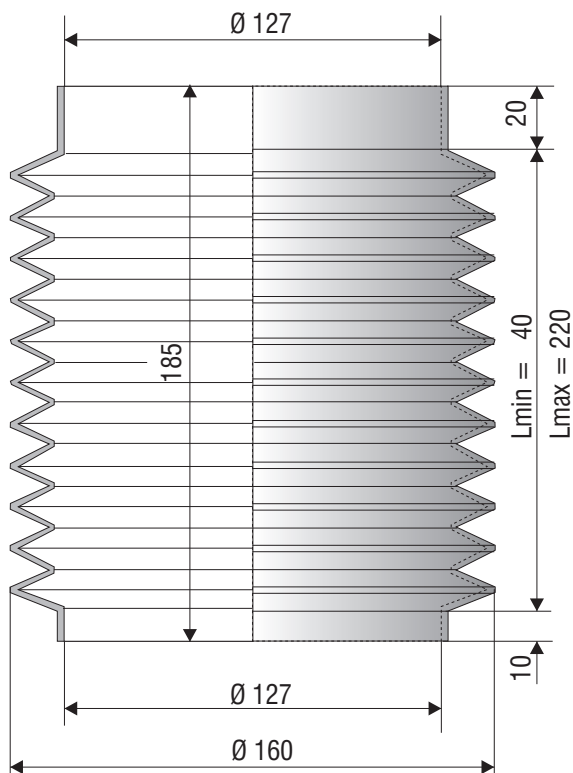
**F 1068 NBR**



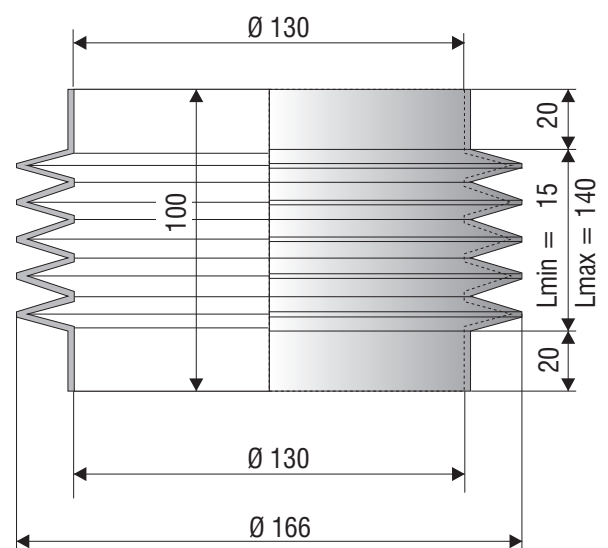
**F 1172 NBR**



**F 1204 NBR**



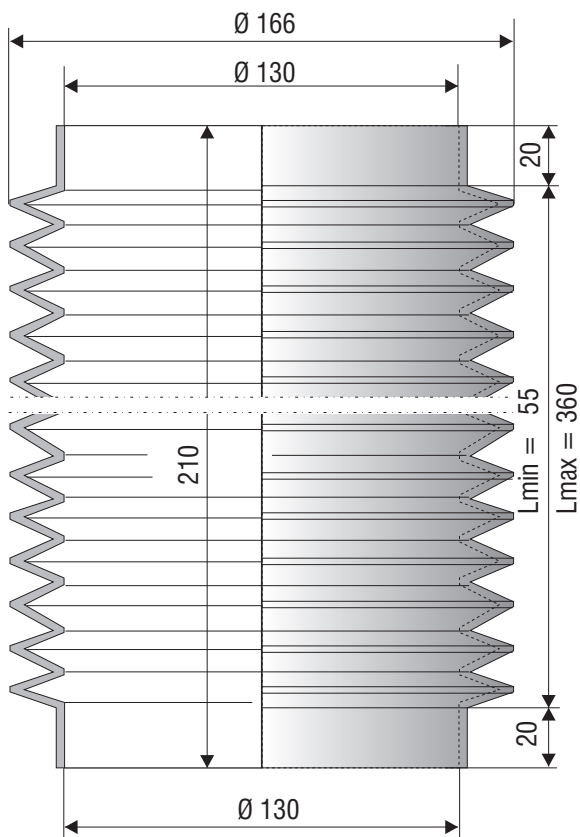
**F 1203 NBR**



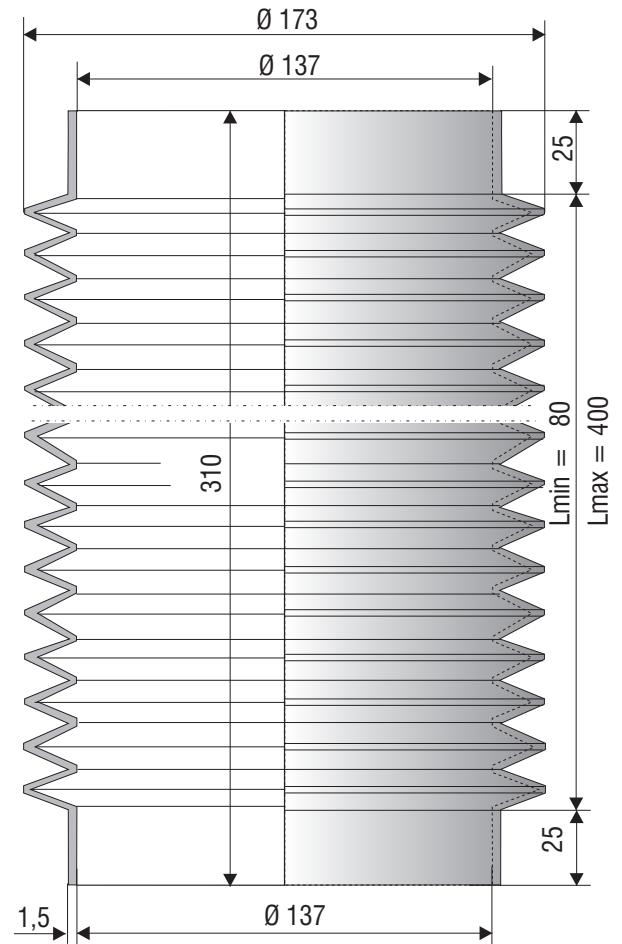
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 130 - 140 mm

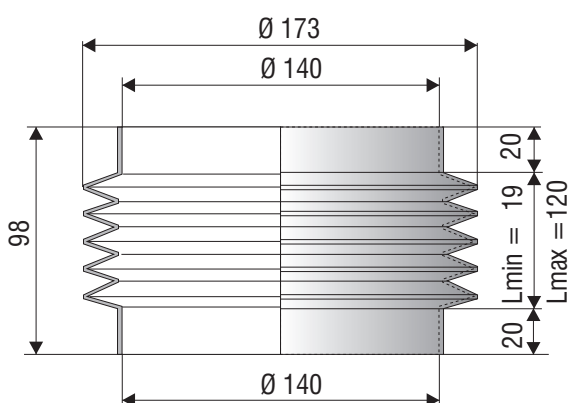
**F 1170 NBR**



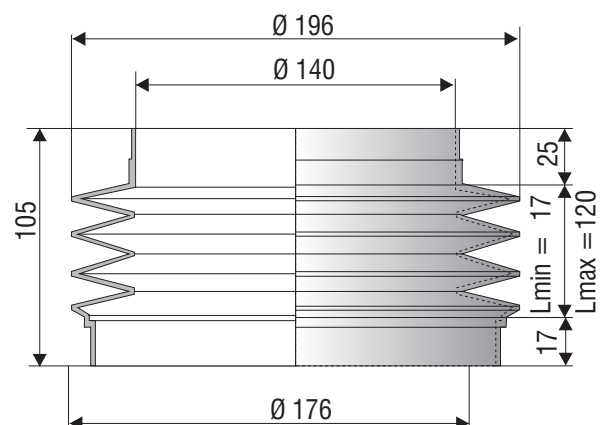
**F 1181 NBR**



**F 1046 NBR**



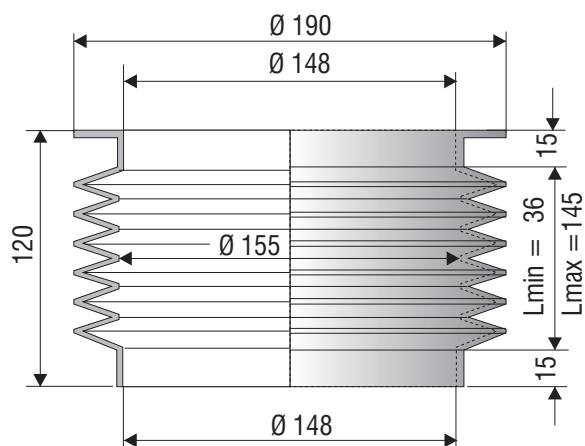
**F 1110 NBR**



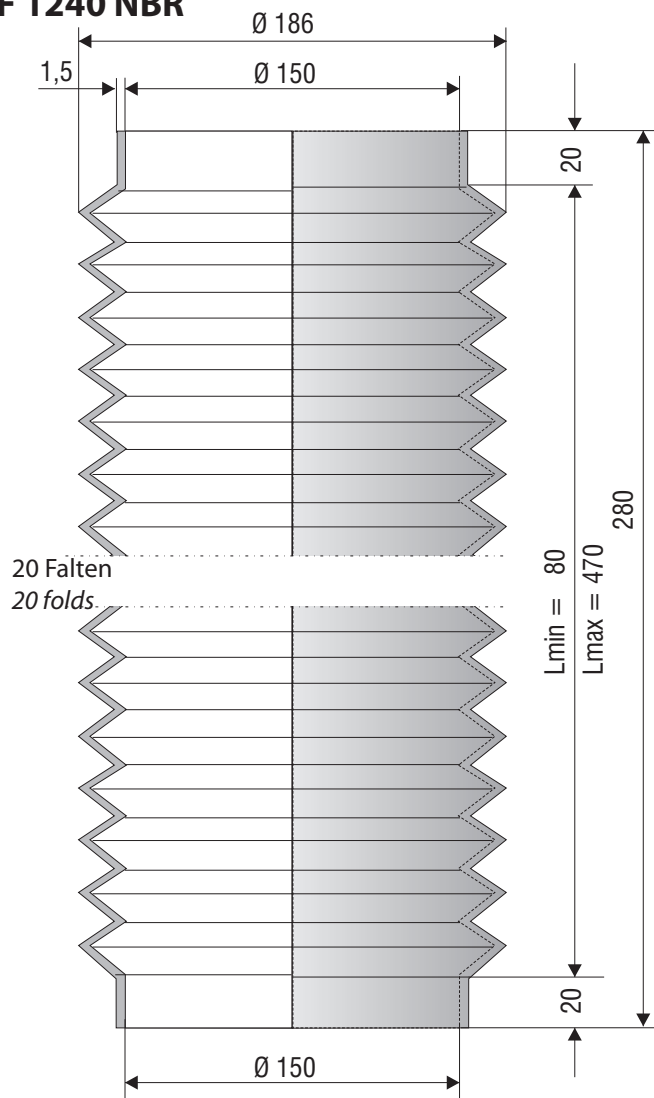
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 148 - 155 mm

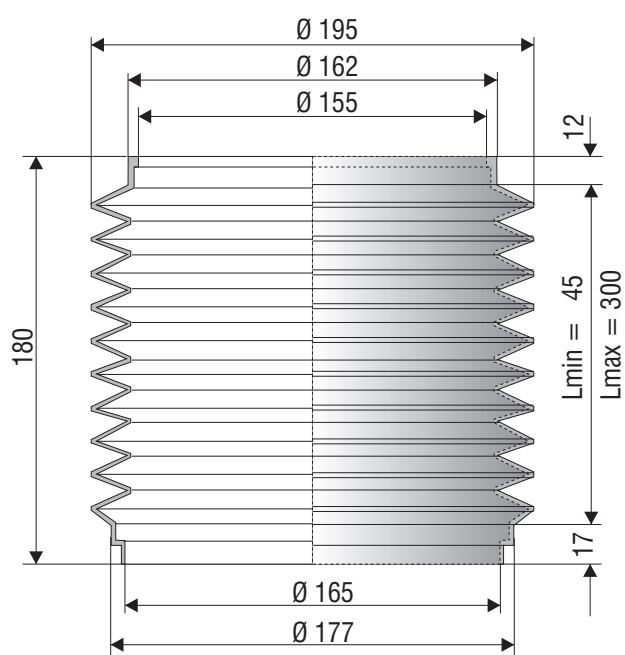
**F 1082 NBR**



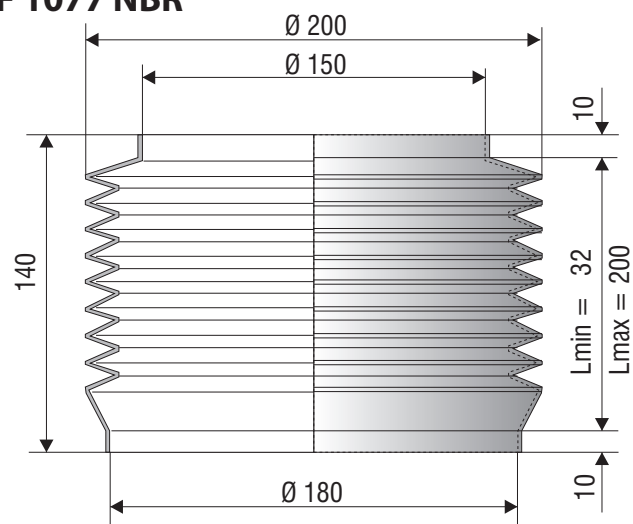
**F 1240 NBR**



**F 1079 NBR**



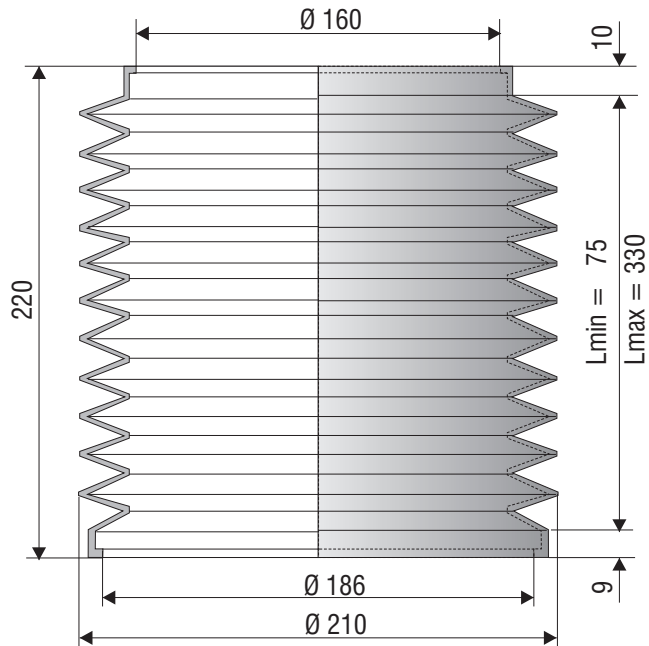
**F 1077 NBR**



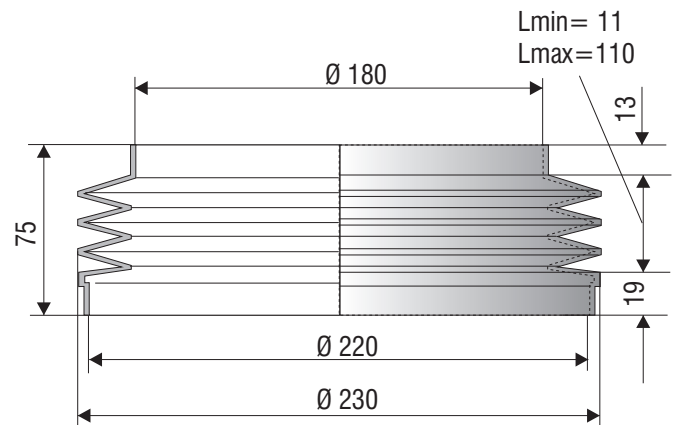
# Vulkanisierte Faltenbälge / Moulded Bellows

Ø 160 - 210 mm

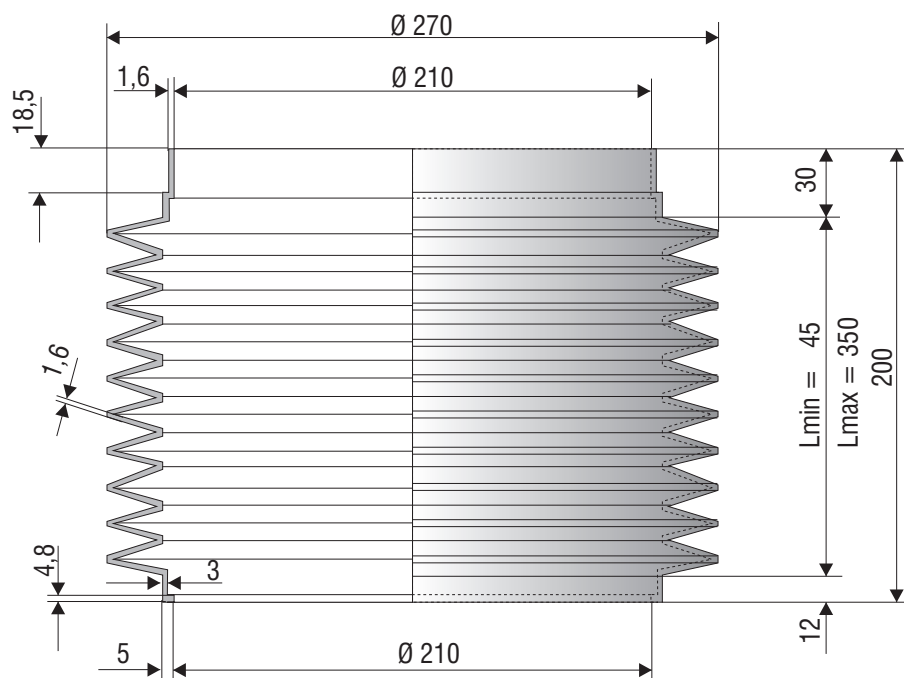
**F 1066 NBR**



**F 1122 NBR**



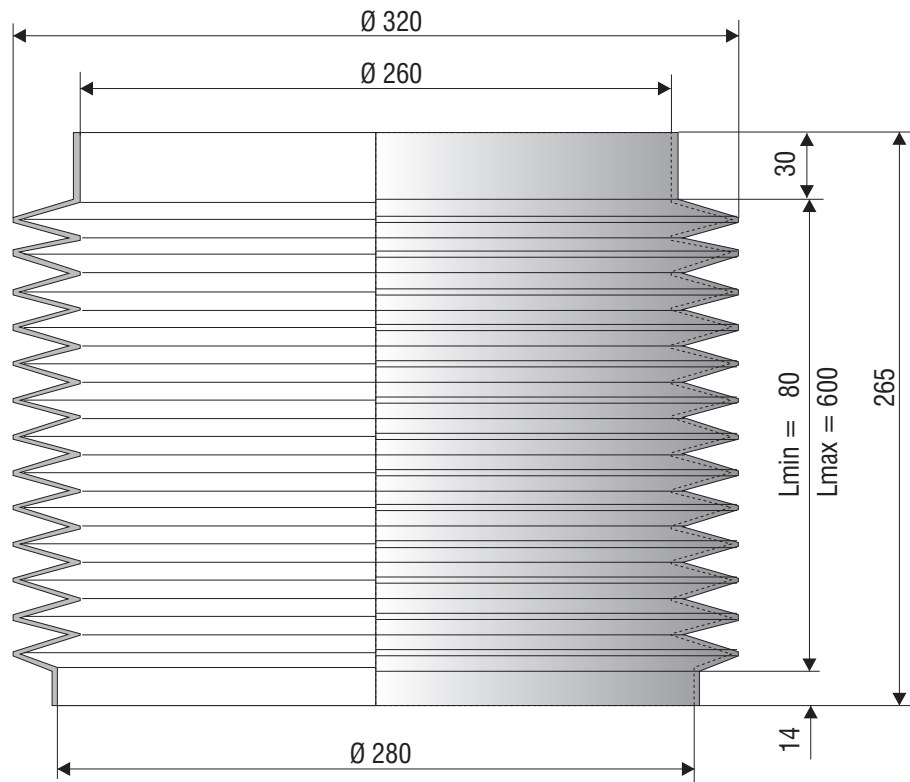
**F 1067 NBR**



# Vulkanisierte Faltenbälge / *Moulded Bellows*

Ø 260 mm

**F 1069 NBR**





# Vulkanisierte Faltenbälge / Moulded Bellows

variabel

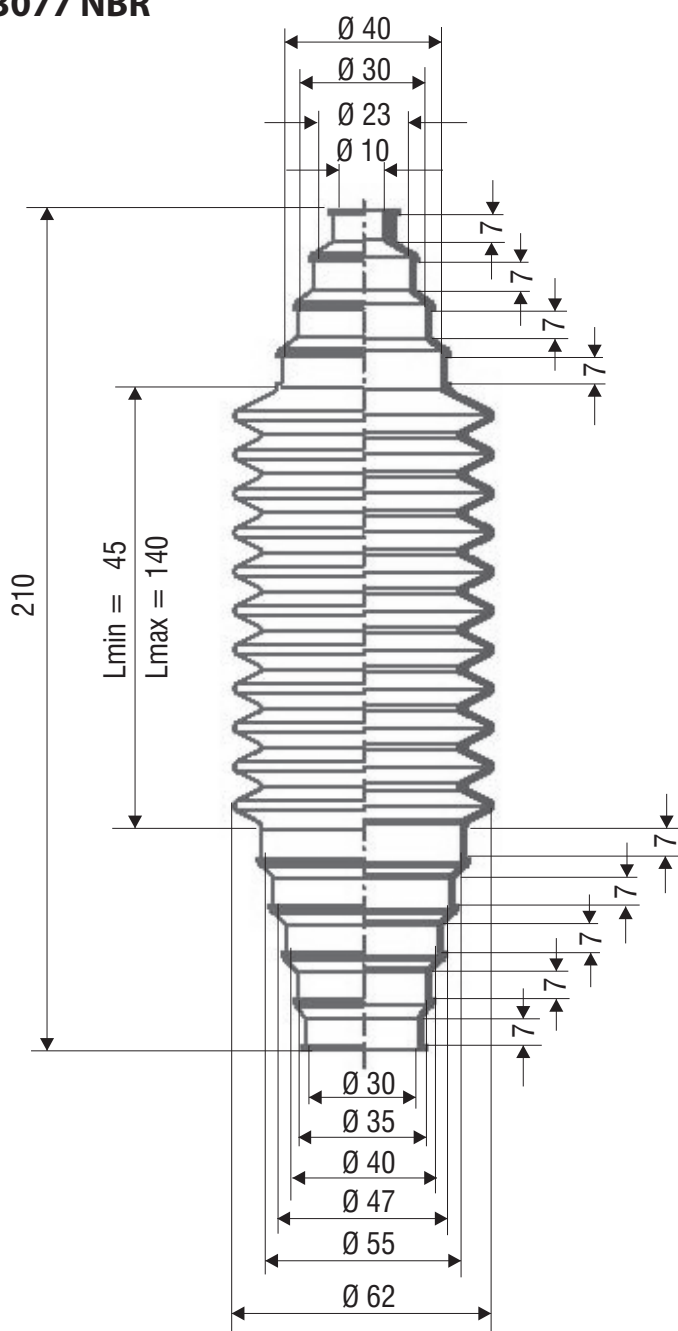
## Universeller Faltenbalg

Bei diesen Faltenbälgen sind Sie flexibel. Sie können den Anschluss-Durchmesser "vor Ort" wählen und den Balg dann entsprechend schneiden (z. B. mit einer Schere).

## Multipurpose bellows

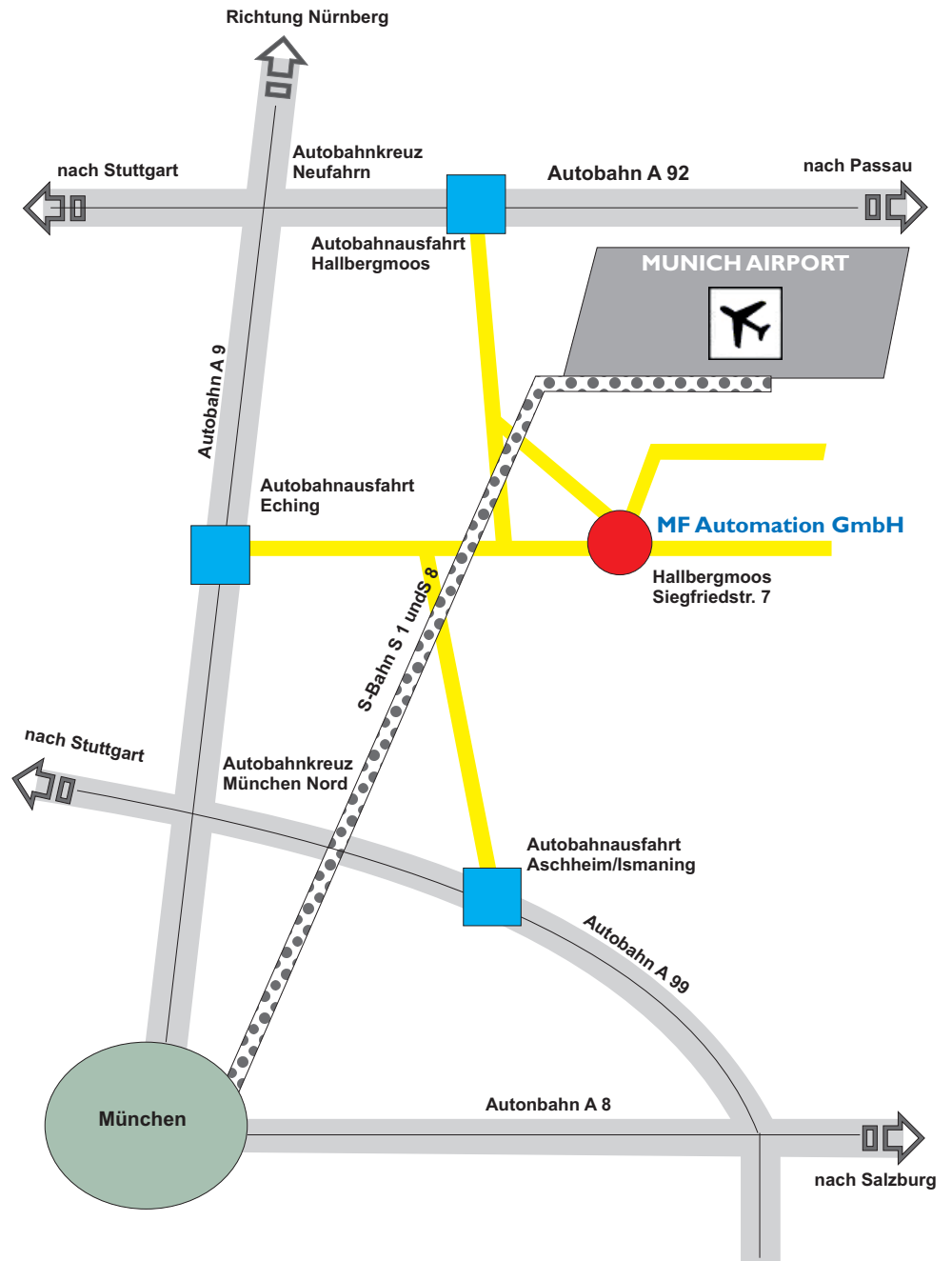
These bellows keep you flexible. You can select the fitting diameter "locally" and cut the bellows accordingly (e.g. with a scissor).

## F 3077 NBR





# AUTOMATION®



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