Mehrfaltenbalg

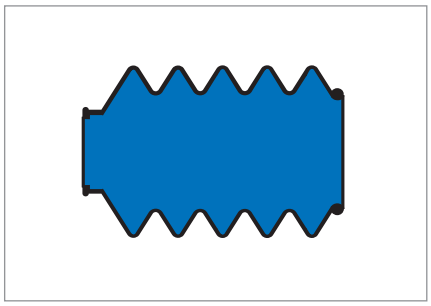


Abb. 1 Mehrfaltenbalg

Produktbeschreibung

Faltenbälge sind Schutzelemente, bestehend aus beweglichem Balgteil und zwei Anschlussbereichen zur Befestigung. Sie schützen axial bewegte Stangen und Maschinenteile vor Verschmutzung, Spritzwasser, Staub oder Witterungseinflüssen. Sie sind je nach Auslegung in der Lage, auch quer zur Achsrichtung verlaufende Bewegungen oder eine Kombination von beiden Bewegungsarten (z.B. Getriebeschalthebel) aufzunehmen.

Bälge können innerhalb der Grenzwerte L_{min} (zusammengedrückte Länge) und L_{max} (ausgezogene Länge) axialen Bewegungen folgen. Besondere Belastungen (nicht axiale Bewegungen, Druckbelastungen usw.) beeinflussen den maximalen Arbeitshub und die Beweglichkeit. → Technisches Handbuch.

Produktvorteile

Balgteil und Anschlussbereiche haben je nach Einsatzfall die unterschiedlichsten geometrischen Formen und Abmessungen. Mehr als 500 unterschiedliche Balggeometrien stehen dem Anwender schnell und kostengünstig zur Verfügung.

Anwendung

Für Faltenbälge gibt es zahlreiche Einsatzfälle; beispielsweise das funktionelle Abdichten von Kugelgelenken, Verbindung von Rohrenden, Schubstangen (z.B. in Hydraulik- und Pneumatikanwendungen), Achslagern.

Werkstoff

Werkstoff	CR	NBR
Härte	42/50 Shore A	ca. 45 Shore A

Andere Werkstoffe auf Anfrage (Nach Abklärung des Werkstoff-Anforderungsprofiles und der Bauform).

Einsatzbereich

Werkstoff	CR	NBR
Temperatur	−40 ... +100 °C	−30 ... +100 °C
dynamische Beanspruchung	sehr gut	ausreichend
Mineralöl - und Fettbeständigkeit	ausreichend	gut

Bei den in der Tabelle aufgeführten Werten handelt es sich um Richtwerte.
→ Technisches Handbuch.

Einbau & Montage

Der bewegliche Balgteil darf nicht mit scharfen Kanten in Berührung kommen. Ständiges Schleifen an bewegten Maschinenteilen ist unbedingt zu vermeiden.
Bälge können keine wesentlichen Über- oder Unterdrücke aufnehmen, da sonst eine zu starke Verformung eintreten würde.
Um einen Druckaufbau im Inneren des Balges bei axialen Bewegungen zu verhindern, muss eine ausreichende Be- und Entlüftung vorgesehen werden.
Eine Belastung des Balges durch Torsion sollte vermieden werden.
Weitere Hinweise zum Einbau:
→ Technisches Handbuch.

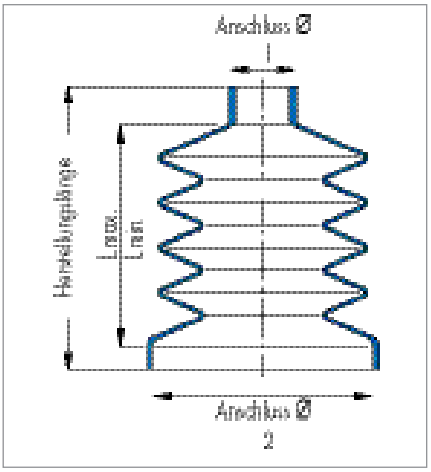
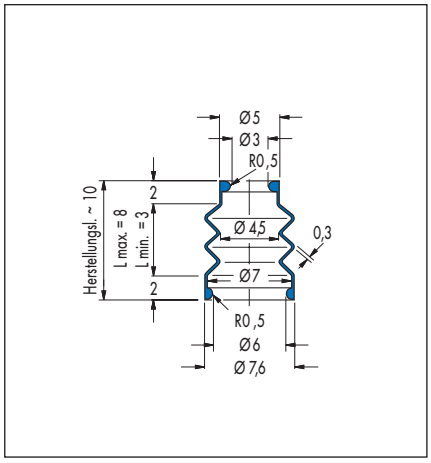


Abb. 2 Maßskizze Mehrfaltenbalg



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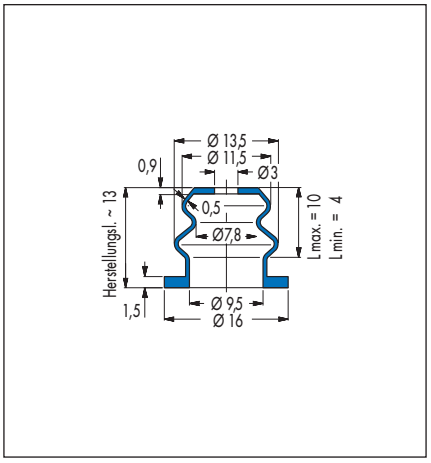

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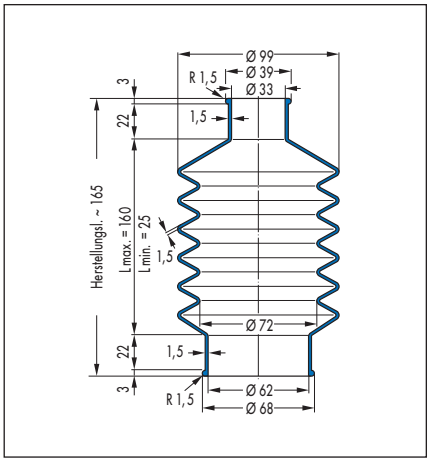

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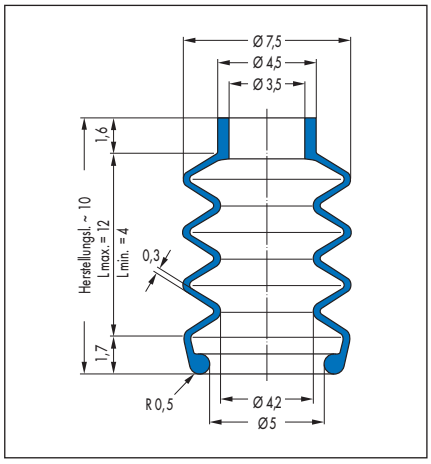

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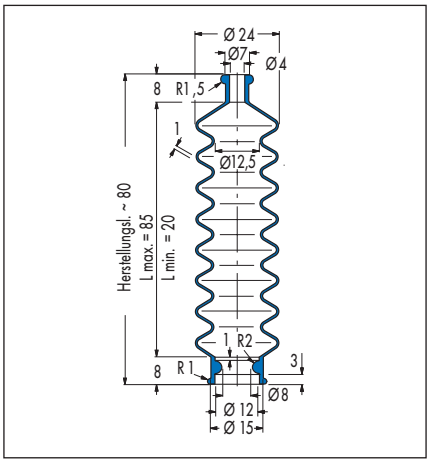

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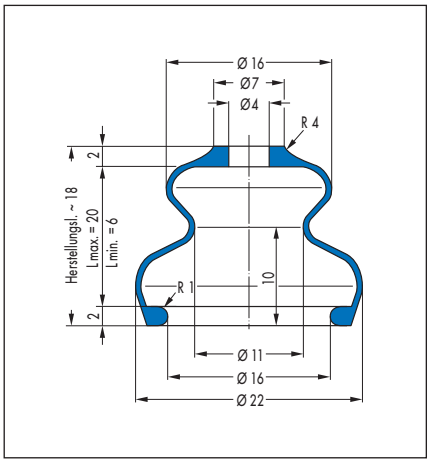

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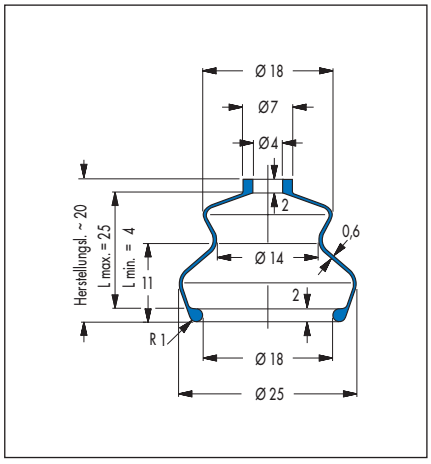

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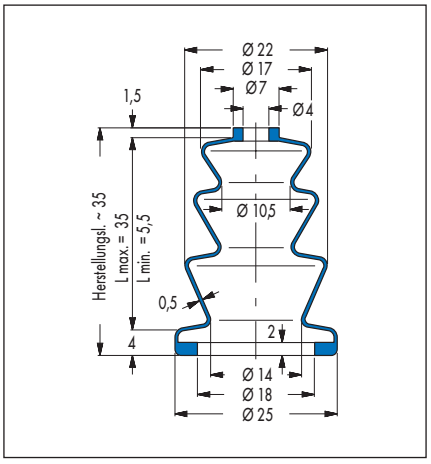

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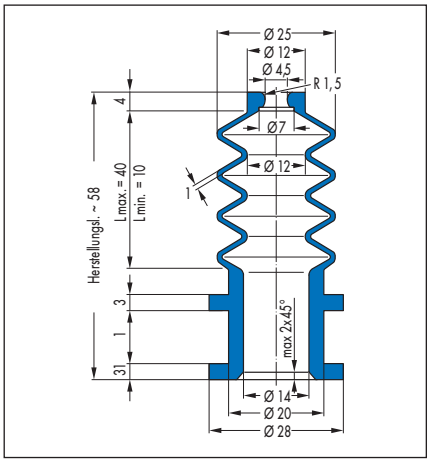

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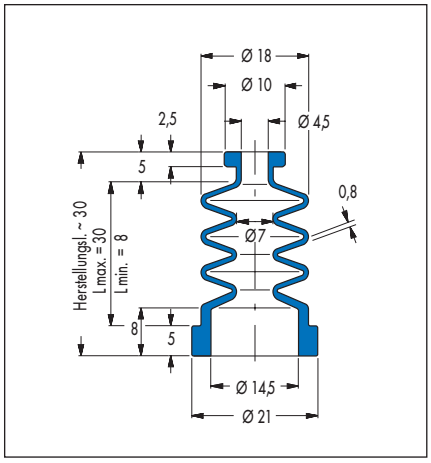

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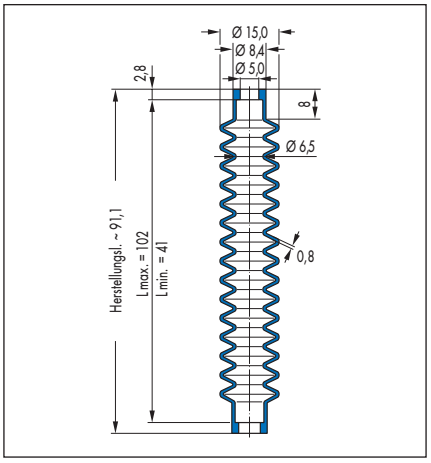

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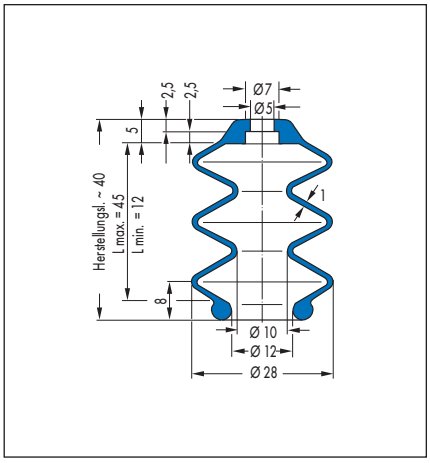

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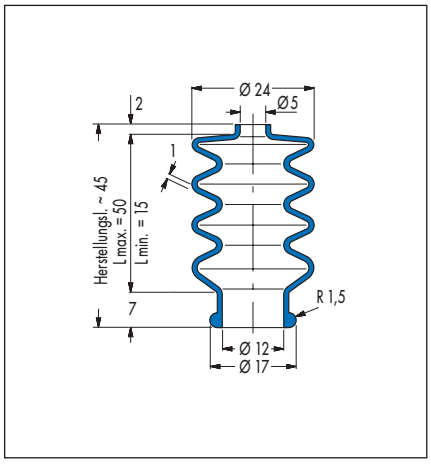

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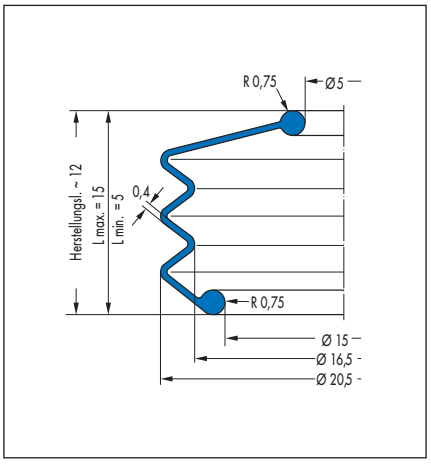

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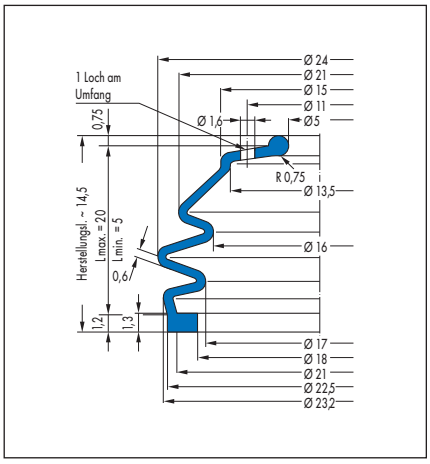

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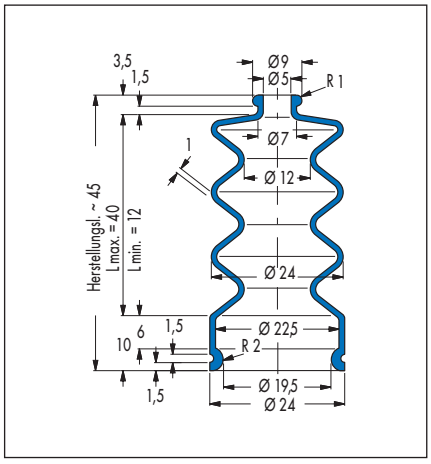

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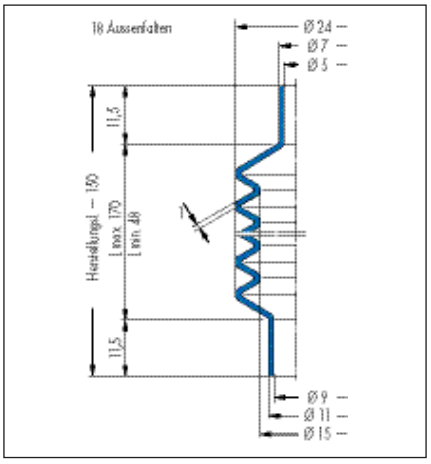

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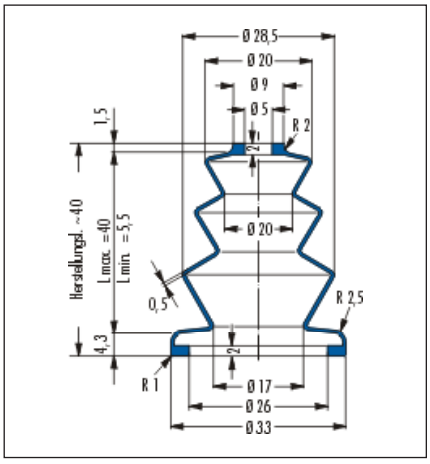

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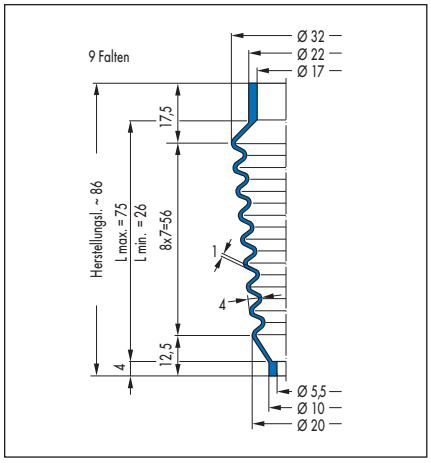

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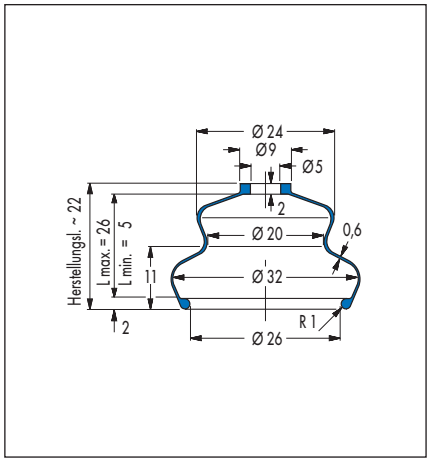

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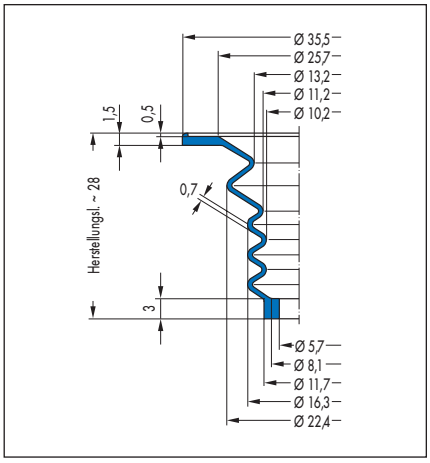

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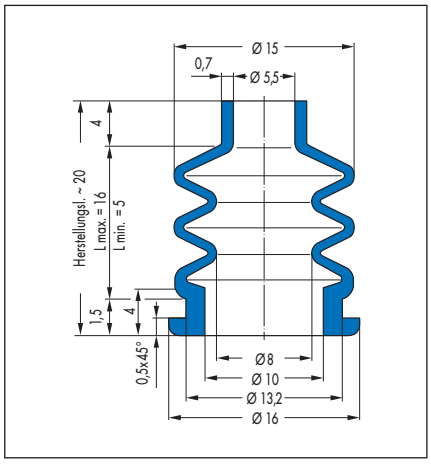

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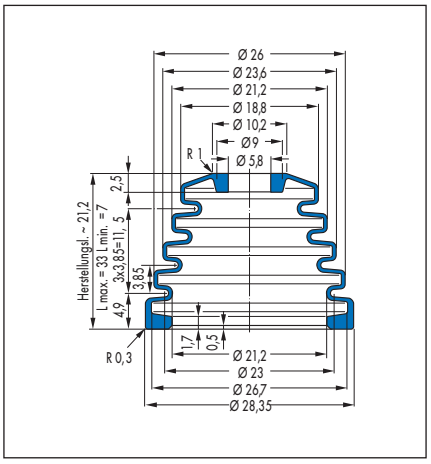

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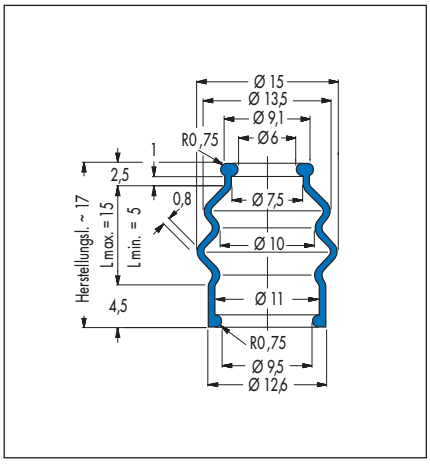

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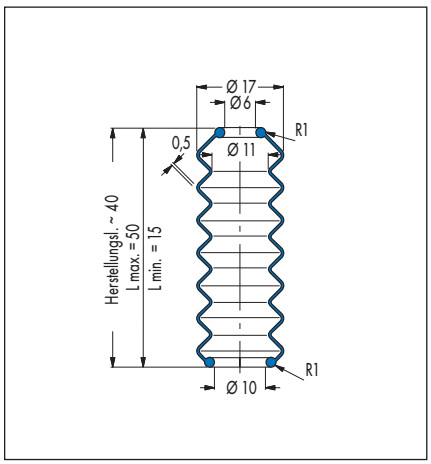

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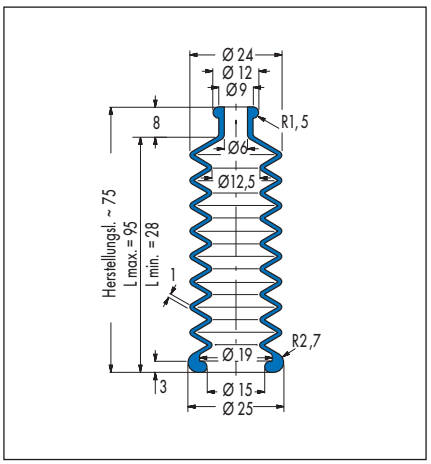

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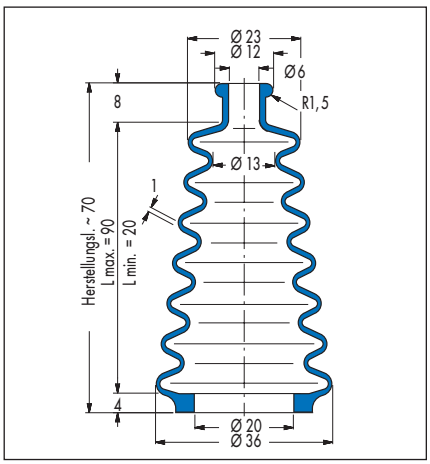

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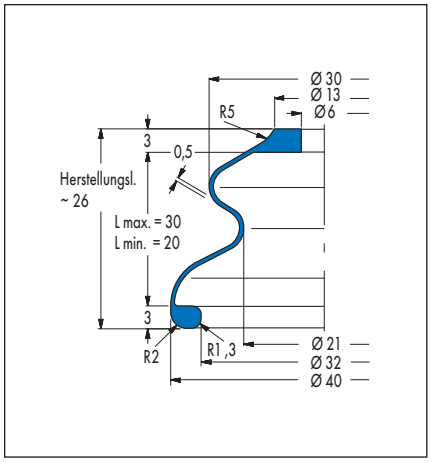

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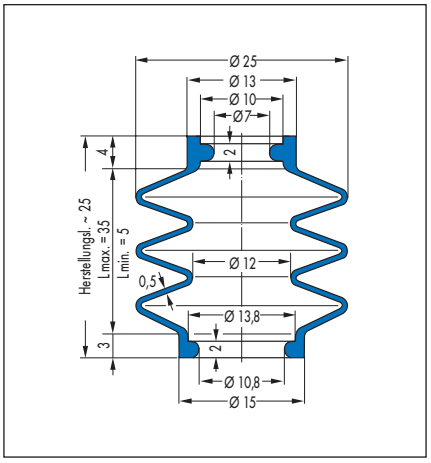

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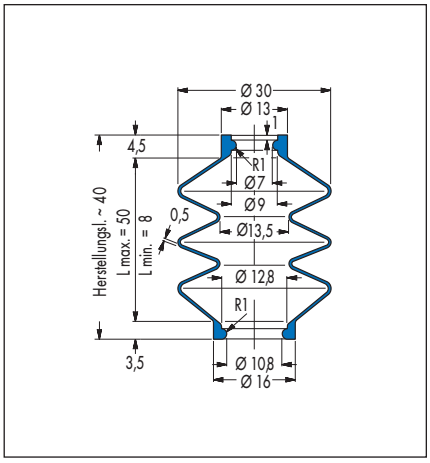

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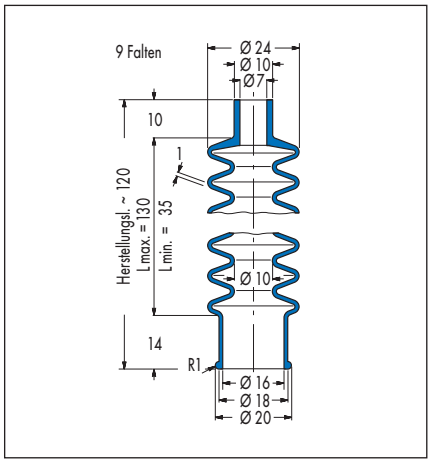

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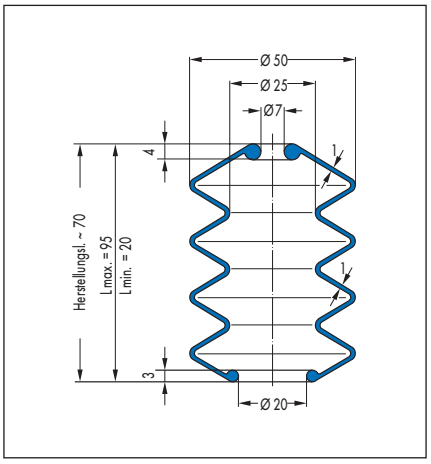

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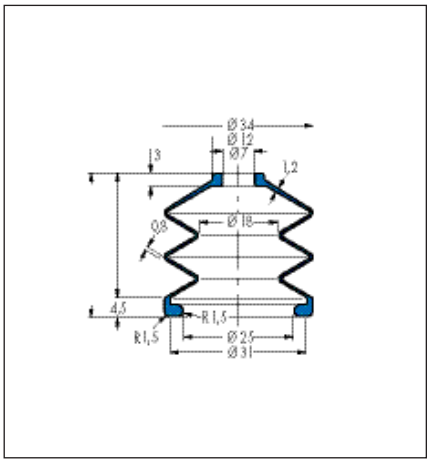

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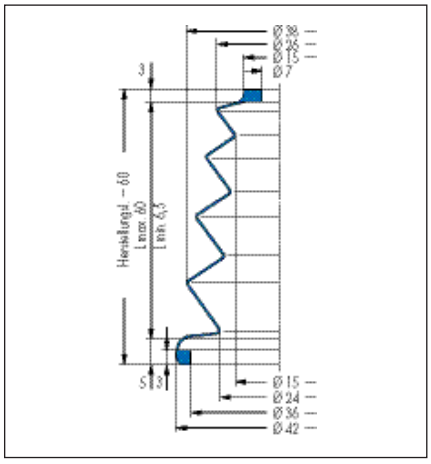

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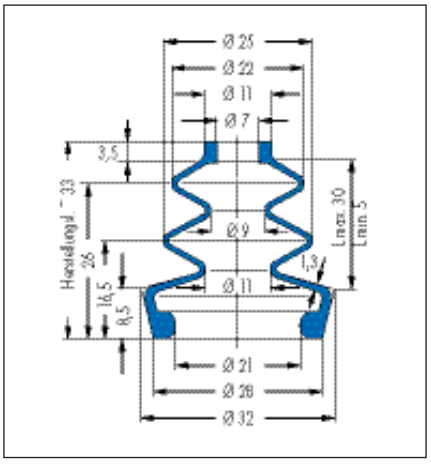

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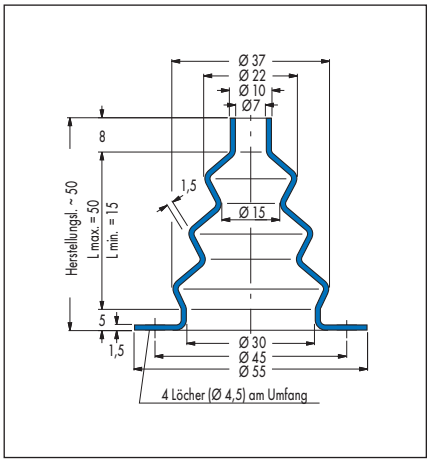

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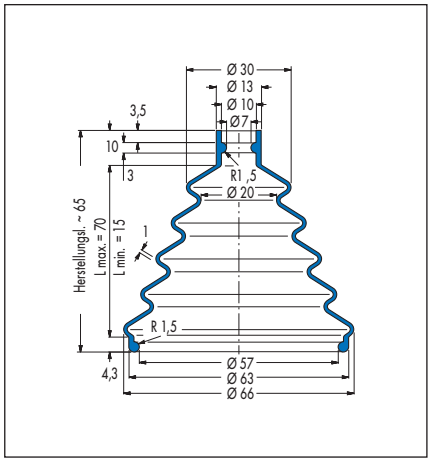

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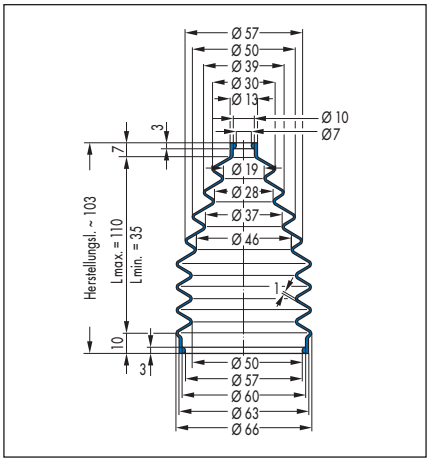

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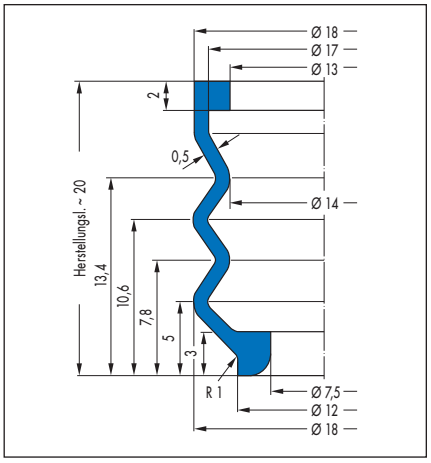

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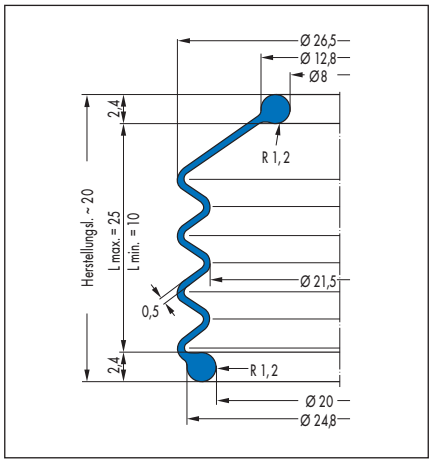

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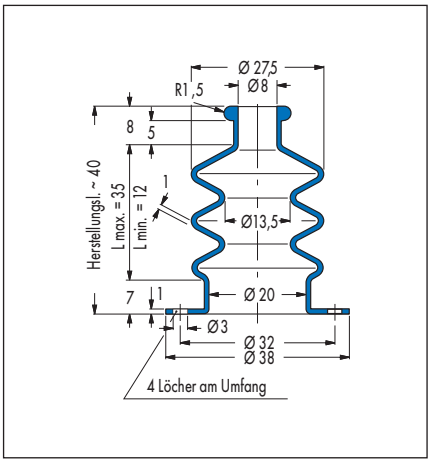

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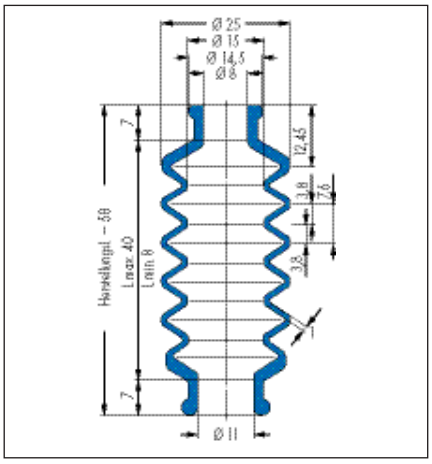

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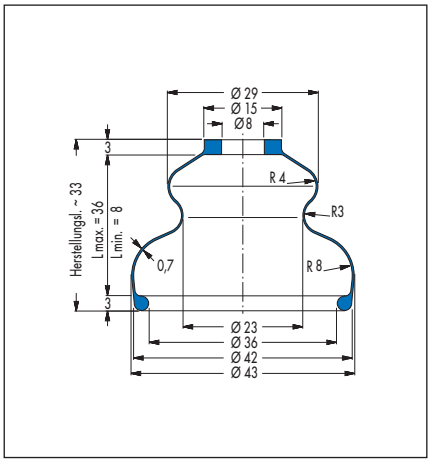

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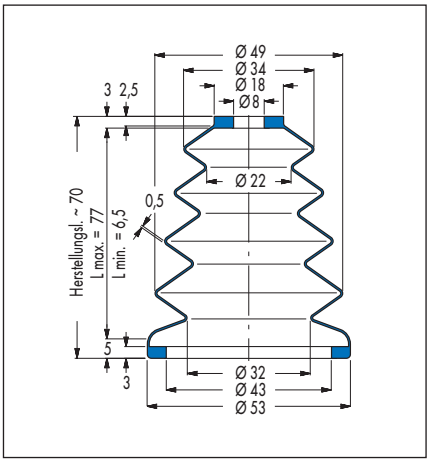

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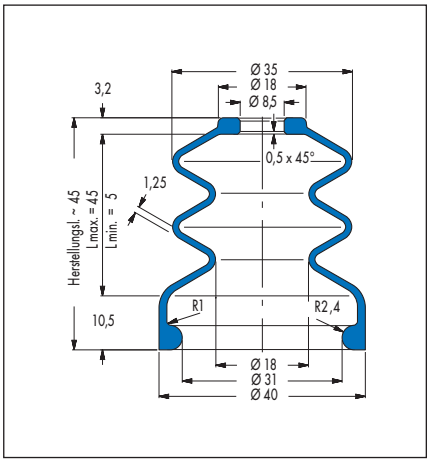

V6-1138, Artikel-Nr. 428843

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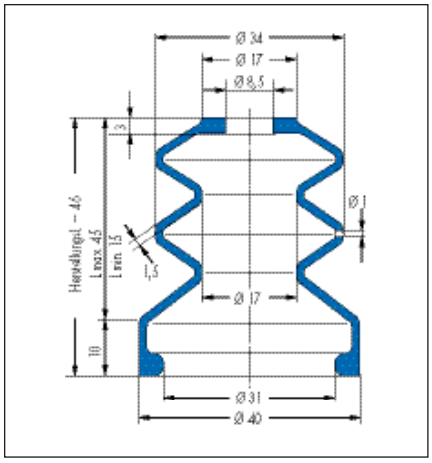
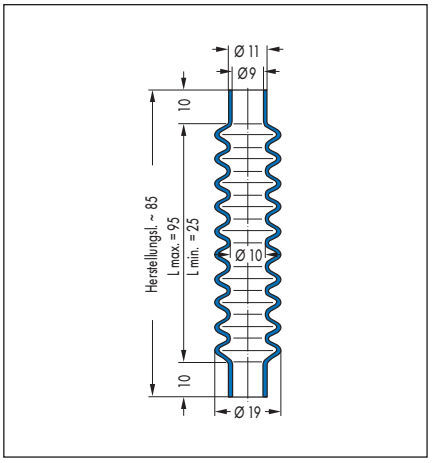
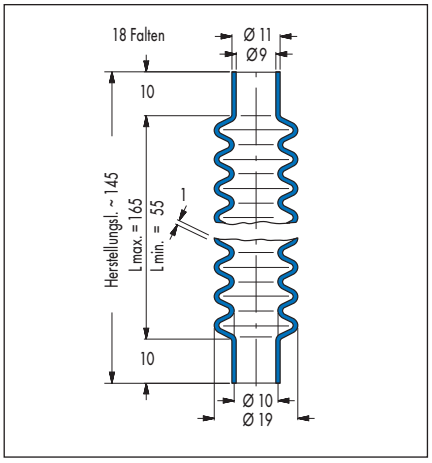


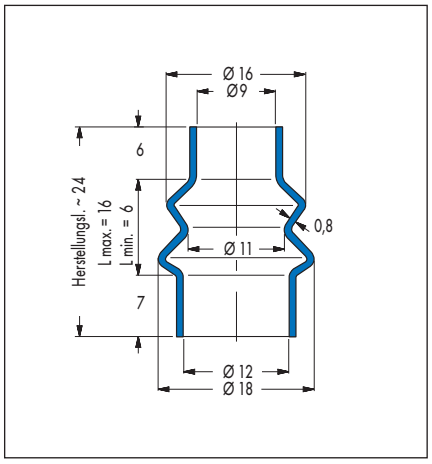
V6-802, Artikel-Nr. 400840



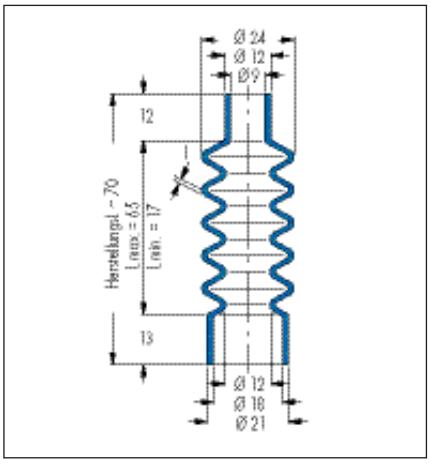
V6-338, Artikel-Nr. 439491



V6-337, Artikel-Nr. 439492



V6-336, Artikel-Nr. 439483



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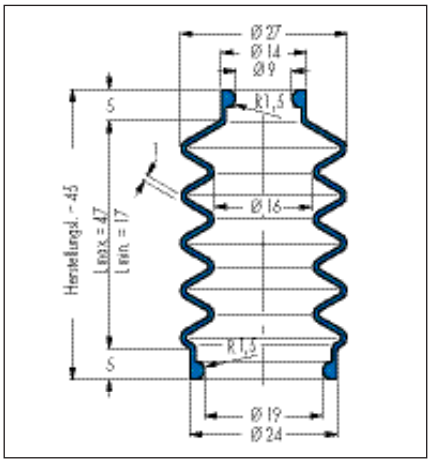

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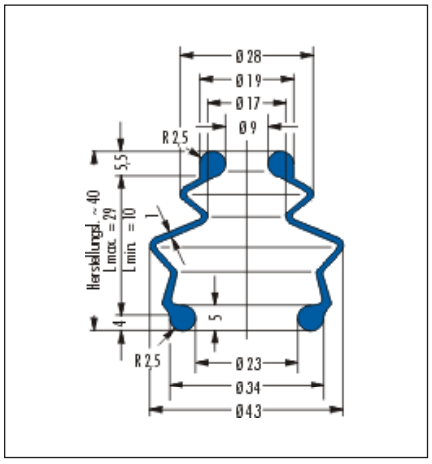

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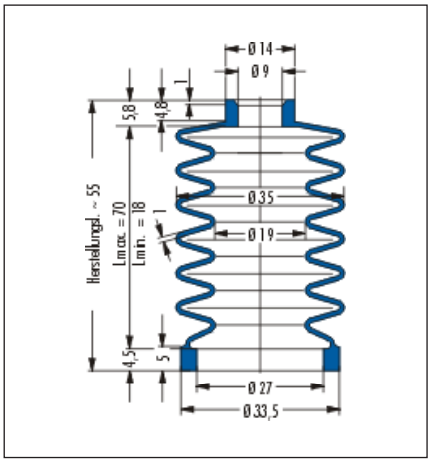

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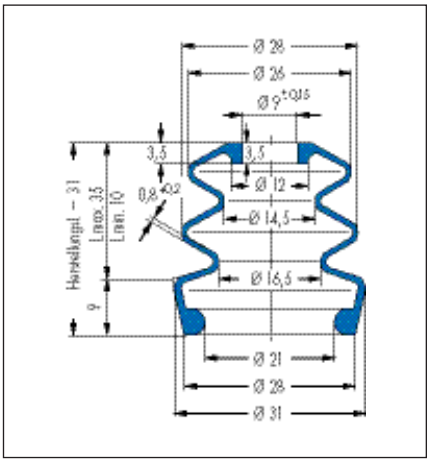

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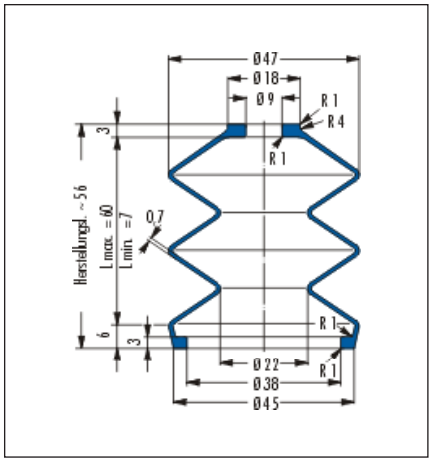

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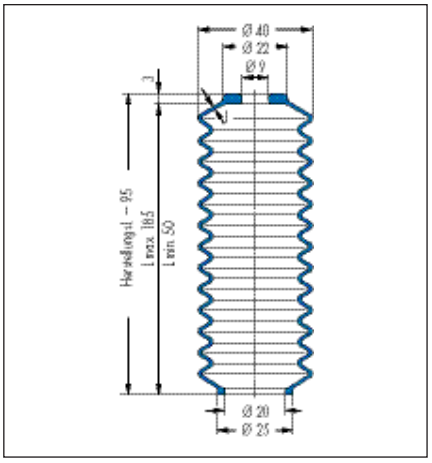

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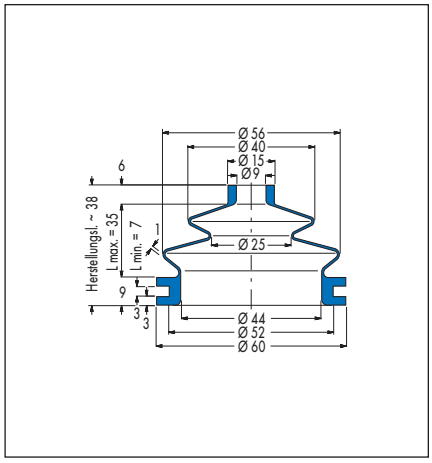

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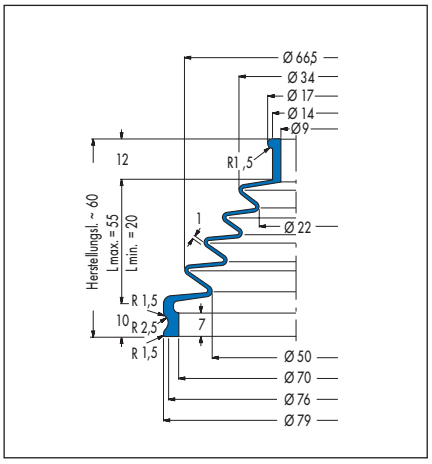

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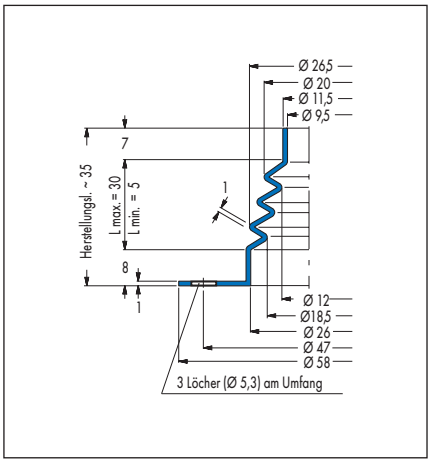

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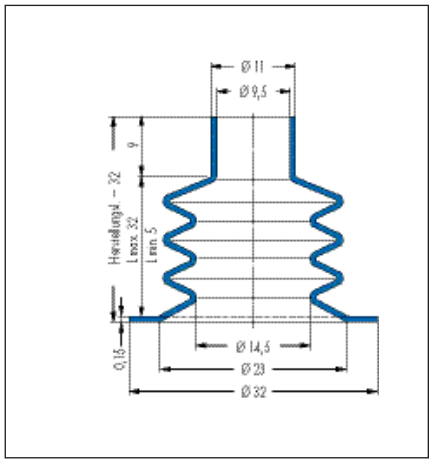

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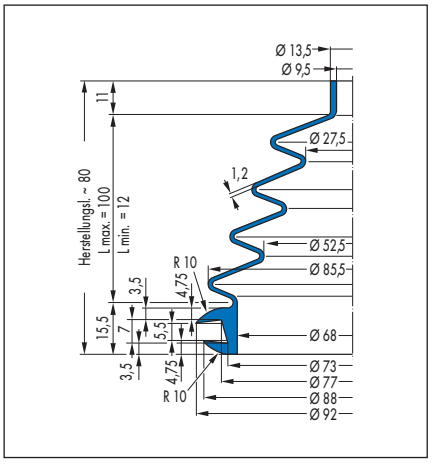

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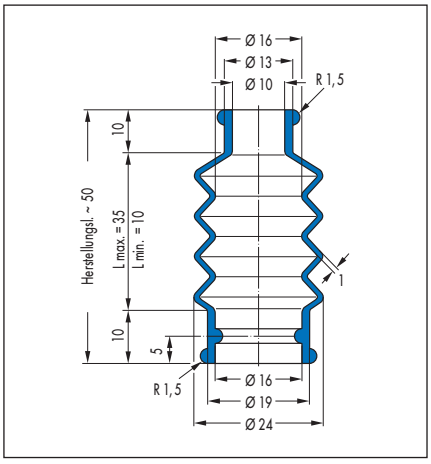
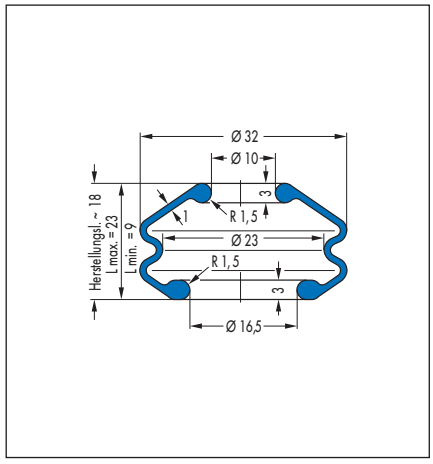


V6-1745, Artikel-Nr. 436919



V6-438, Artikel-Nr. 29634

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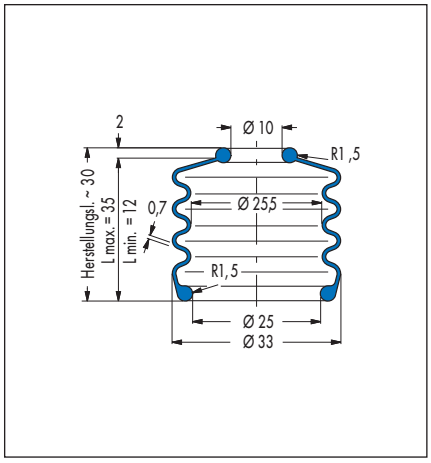

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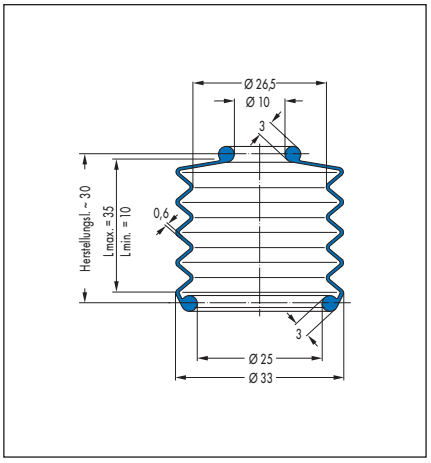
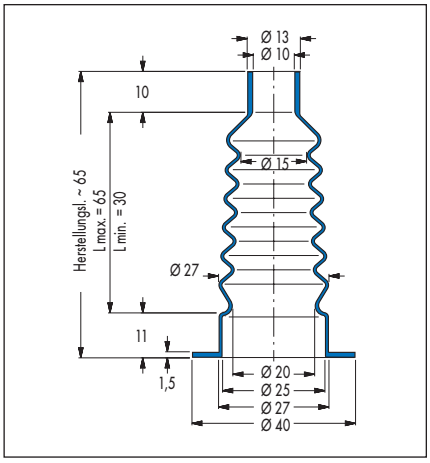
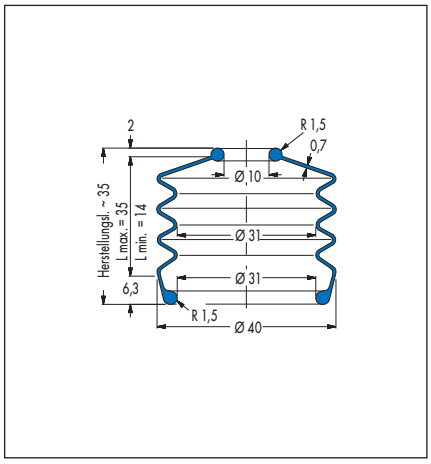


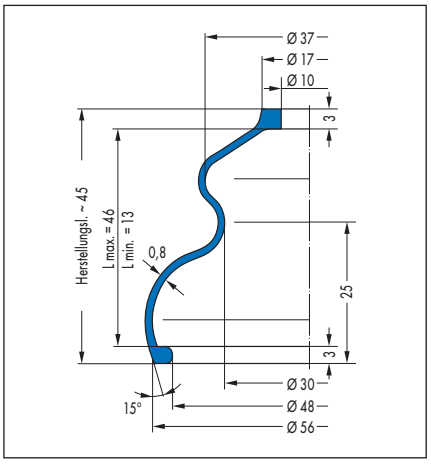
V6-979, Artikel-Nr. 5810



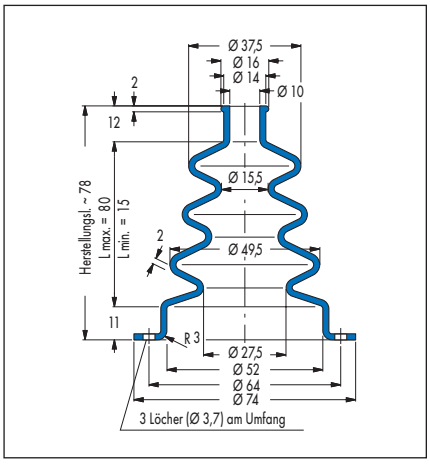
V6-52, Artikel-Nr. 432593



V6-555, Artikel-Nr. 438572



V6-945, Artikel-Nr. 413



V6-1348, Art.-Nr. 429741 (50 CR 879)/
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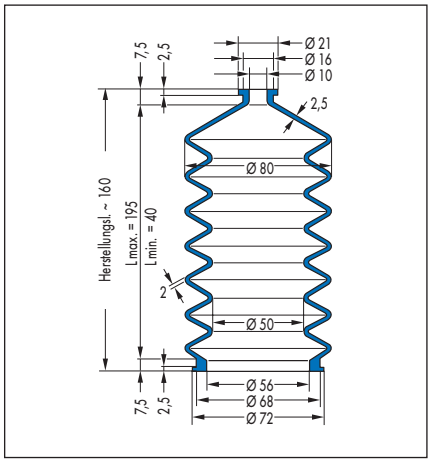
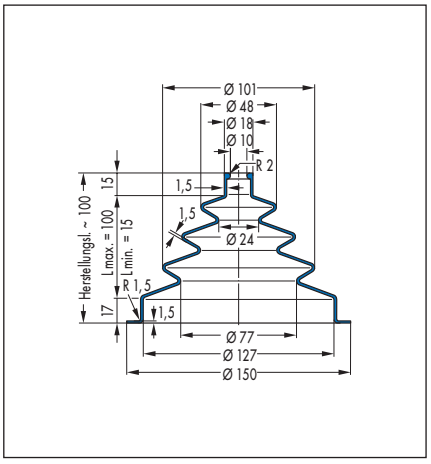
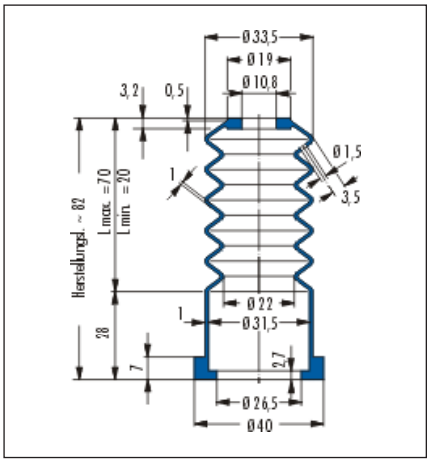


V6-741, Artikel-Nr. 456488



V6-793, Artikel-Nr. 122760



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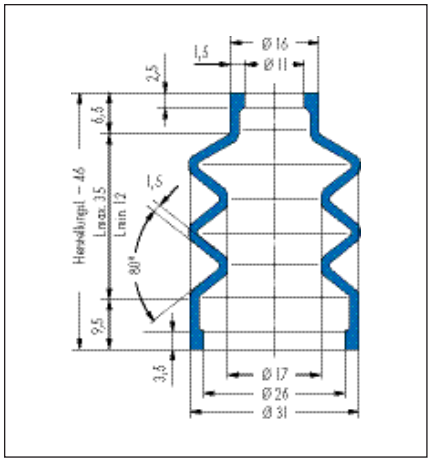
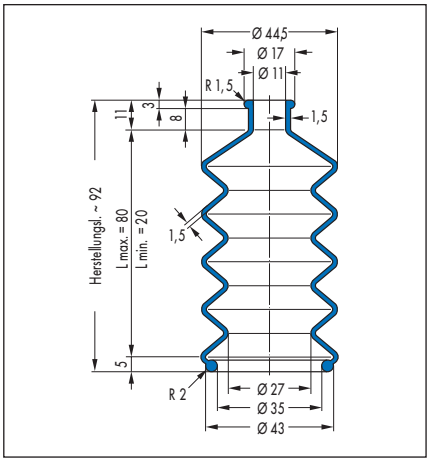


V6-833, Artikel-Nr. 400864



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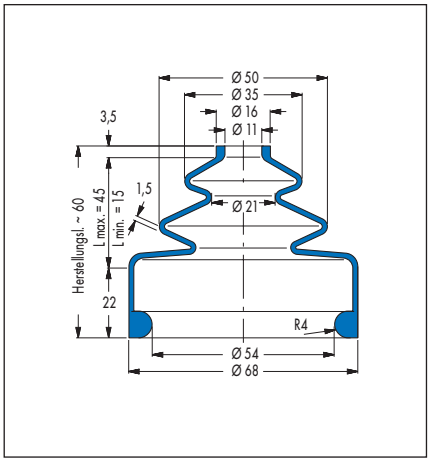

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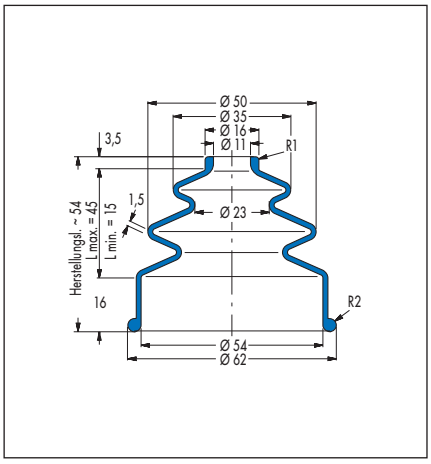
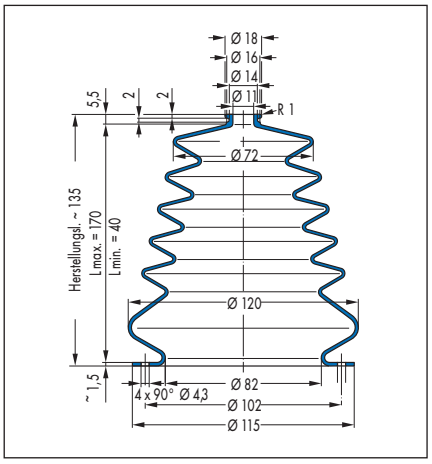


V6-320, Artikel-Nr. 440257



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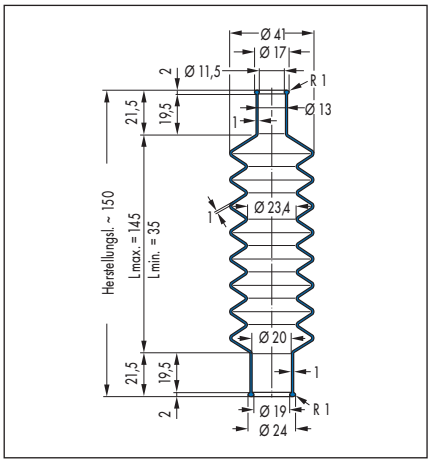
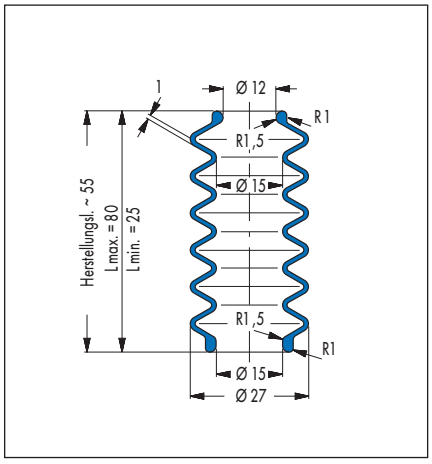


V6-836, Artikel-Nr. 400869



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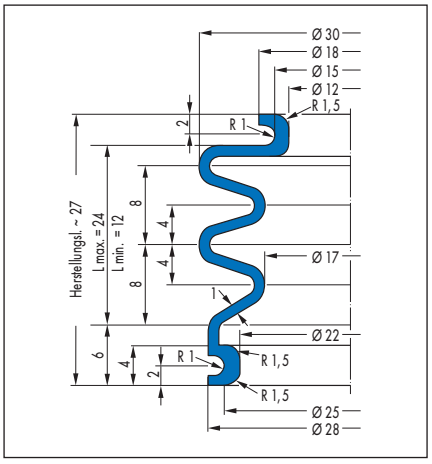
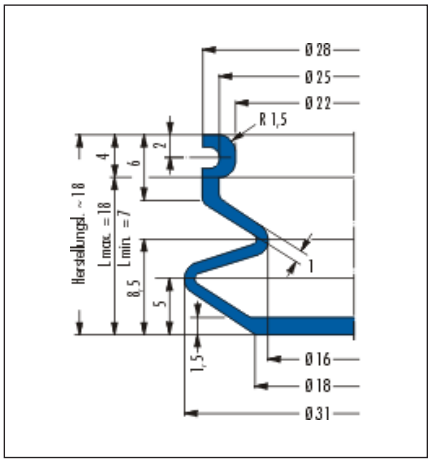


V6-1725, Artikel-Nr. 370363



V6-1724, Artikel-Nr. 357997

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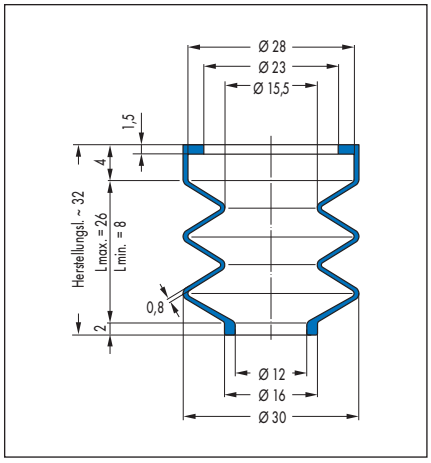

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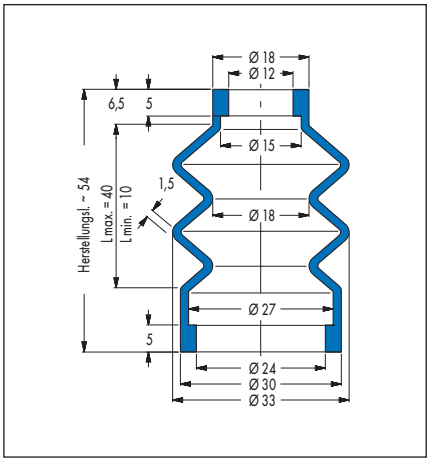

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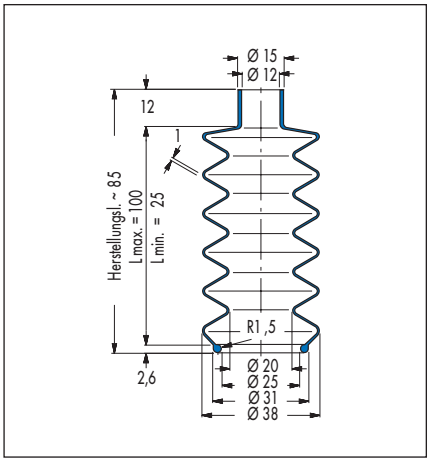

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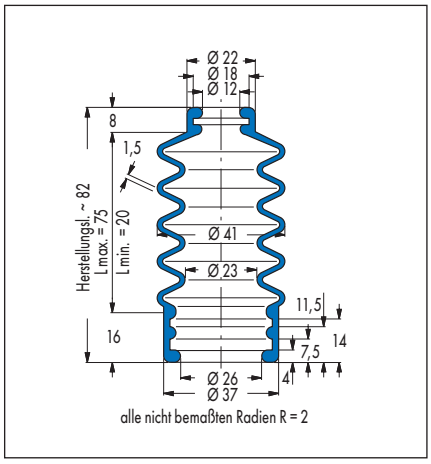
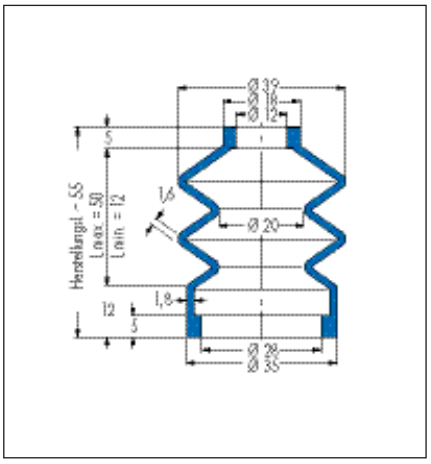
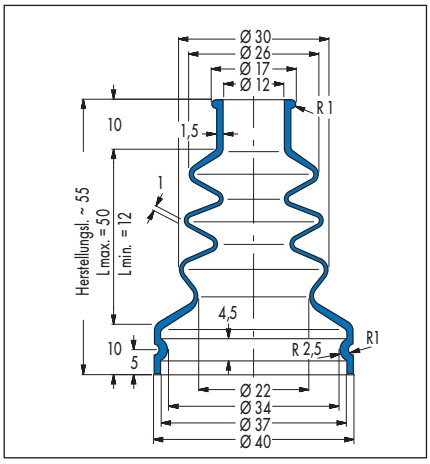


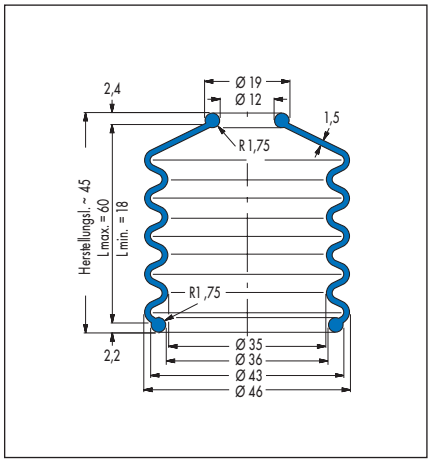
V6-22, Artikel-Nr. 29192



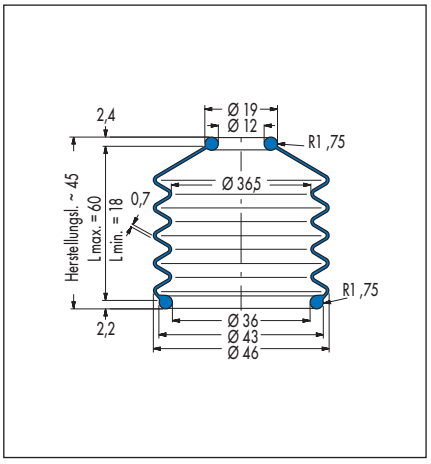
V6-289, Artikel-Nr. 439474



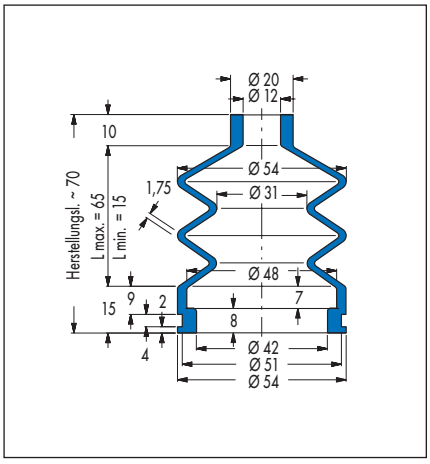
V6-716, Artikel-Nr. 427272



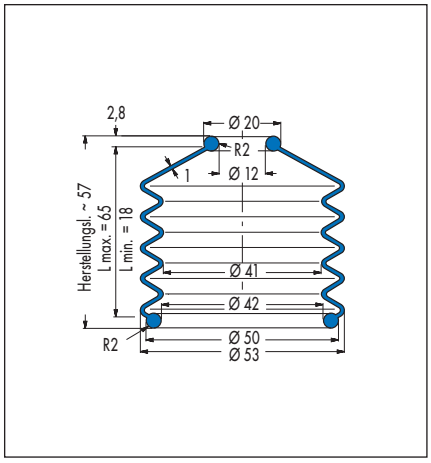
V6-880, Artikel-Nr. 438558



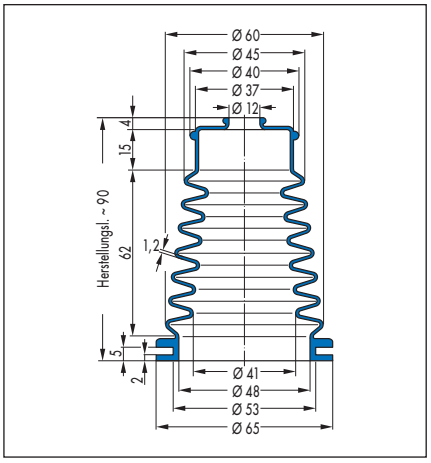
V6-580, Artikel-Nr. 66382 (50 CR 879)/ 81222 (42 CR 764)



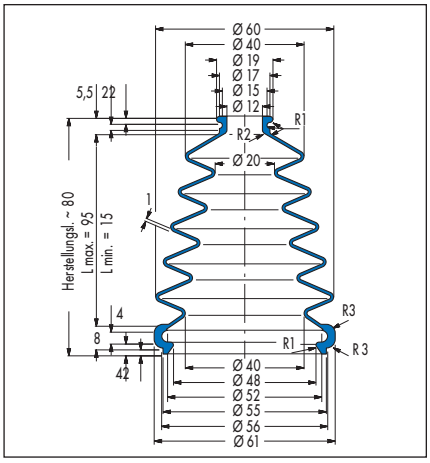
V6-423, Artikel-Nr. 435215



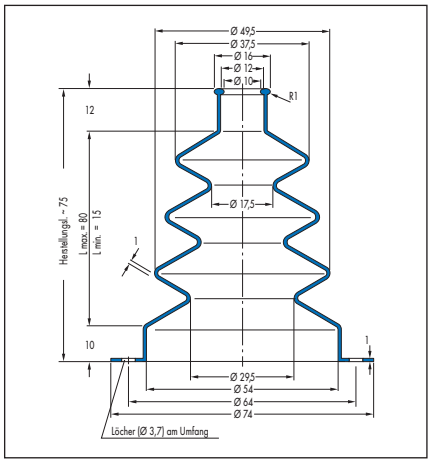
V6-581, Artikel-Nr. 438541 (CR)/438542 (NBR)



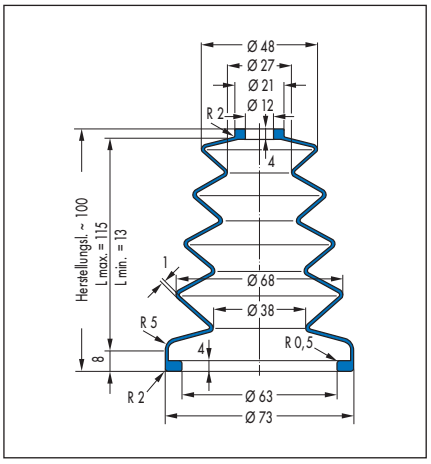
V6-859, Artikel-Nr. 31869



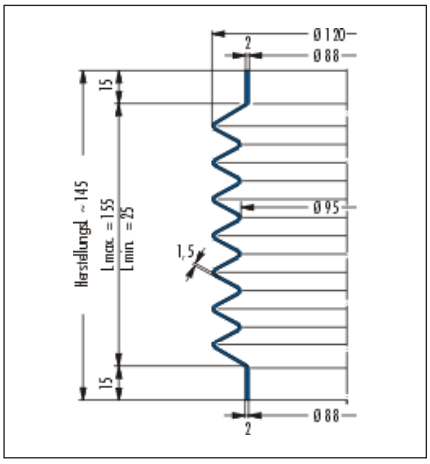
V6-625, Artikel-Nr. 438216



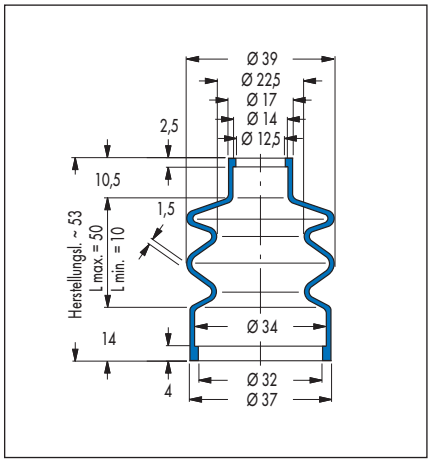
V6-631, Artikel-Nr. 426386



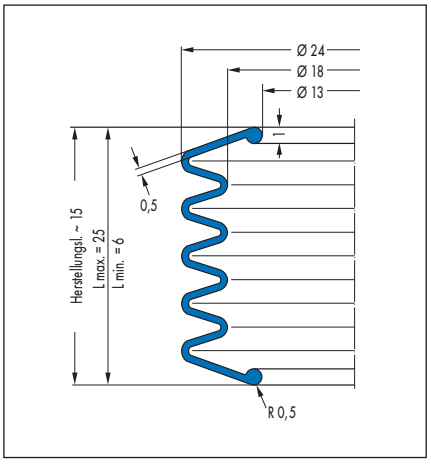
V6-1014, Artikel-Nr. 454262



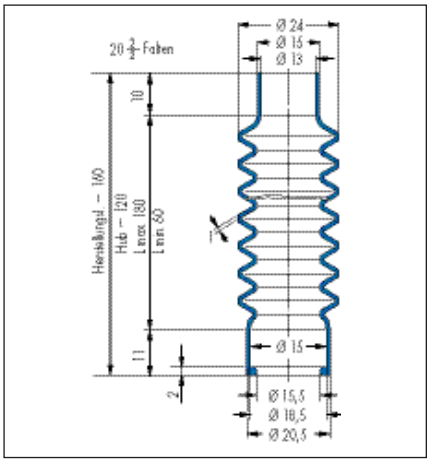
V6-1261, Artikel-Nr. 454481



V6-816, Artikel-Nr. 434459



V6-989, Artikel-Nr. 117054



V6-930, Artikel-Nr. 400893

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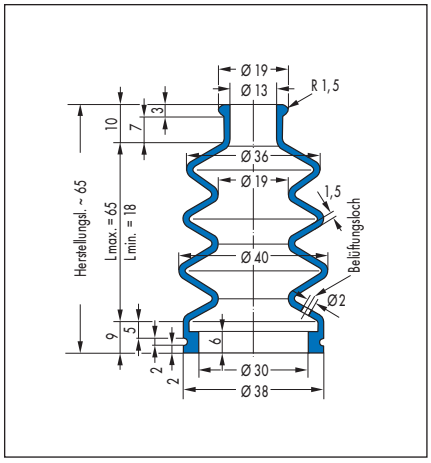
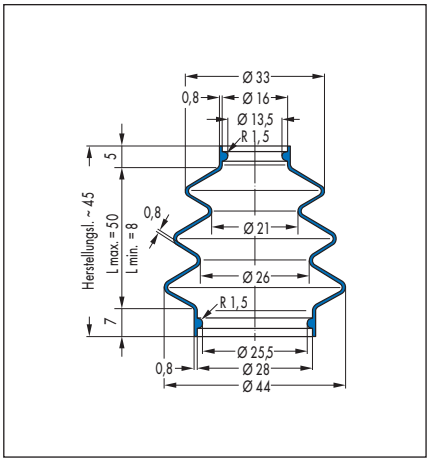
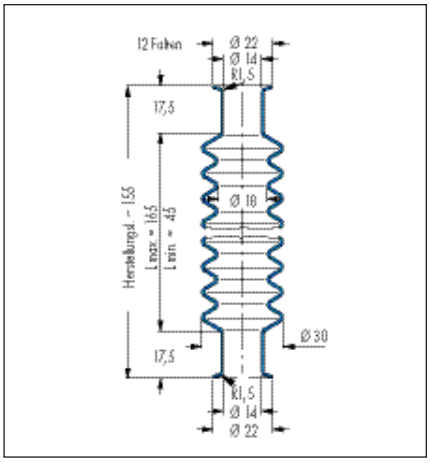


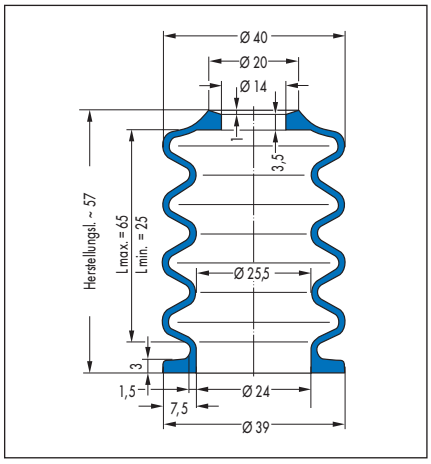
V6-505, Artikel-Nr. 453725



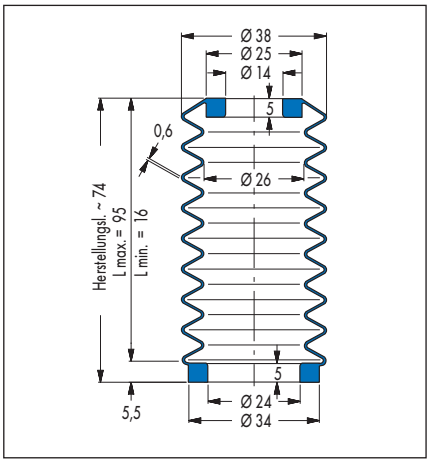
V6-616, Artikel-Nr. 400781



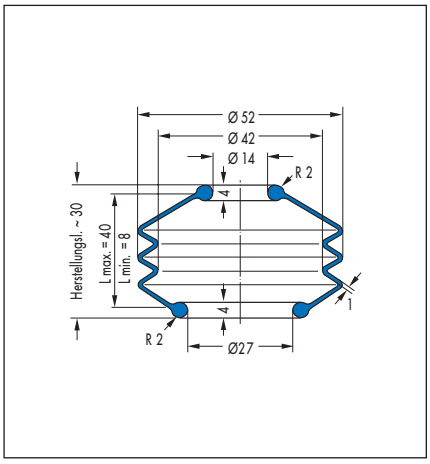
V6-237, Artikel-Nr. 427261



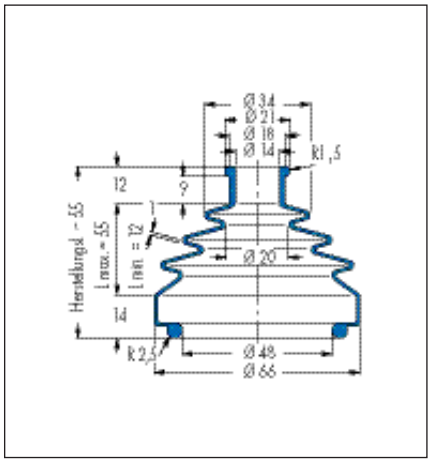
V6-439, Artikel-Nr. 29637



V6-905, Artikel-Nr. 428836, 437671 (42 CR 764)



V6-644, Artikel-Nr. 400787



V6-585, Art.-Nr. 436695 (50 CR 879)/
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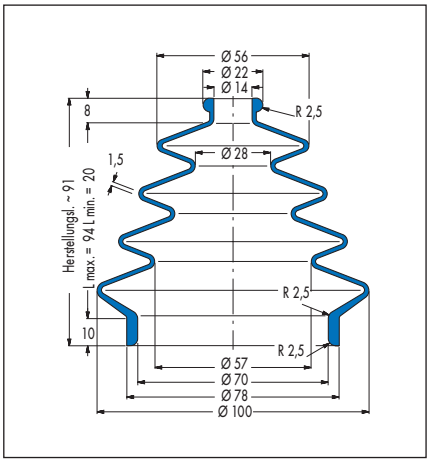

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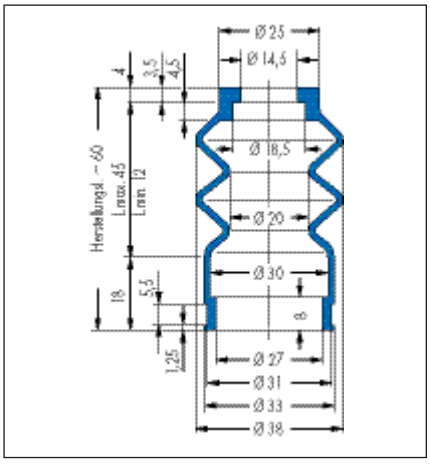
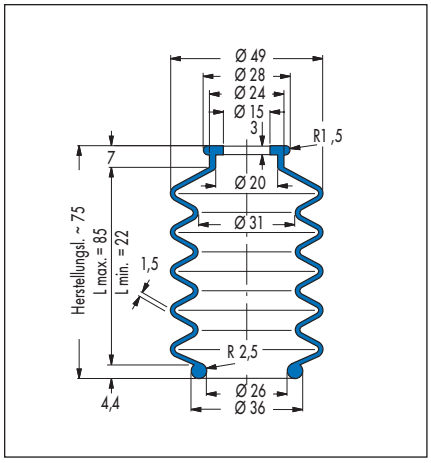
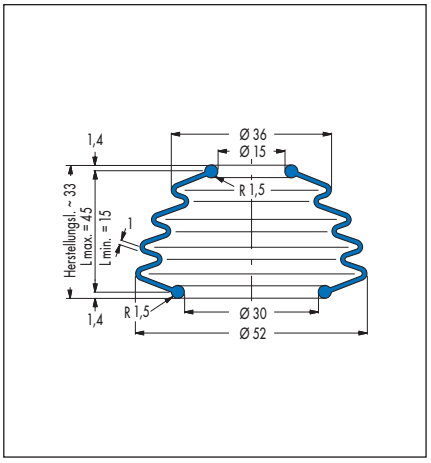


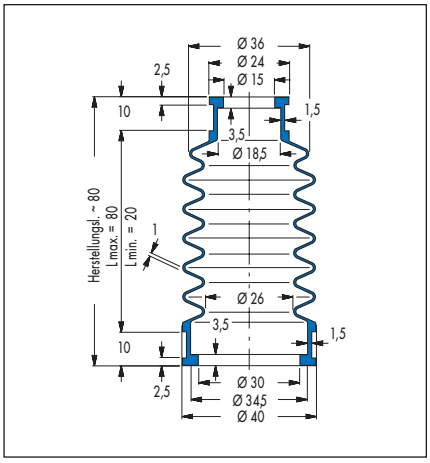
V6-189, Artikel-Nr. 440390



V6-488, Artikel-Nr. 426793



V6-277, Artikel-Nr. 435217



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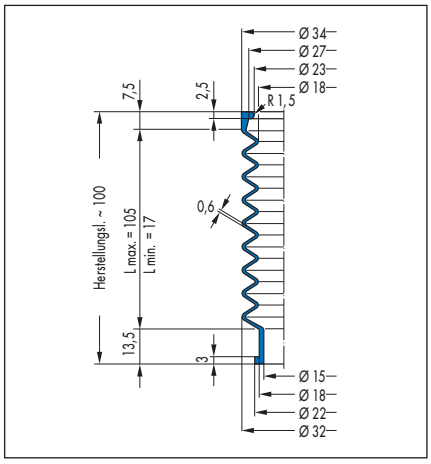
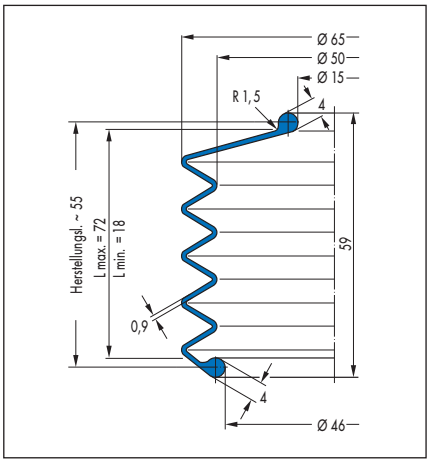
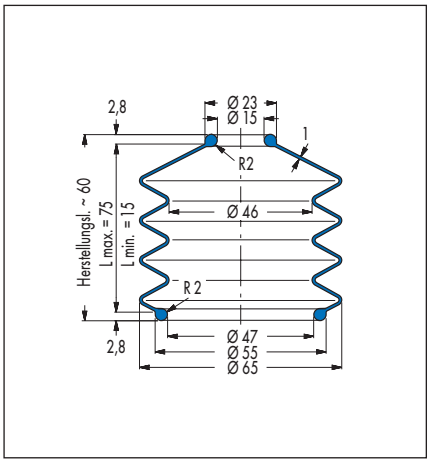


V6-1450, Artikel-Nr. 452567



V6-1538, Artikel-Nr. 434075



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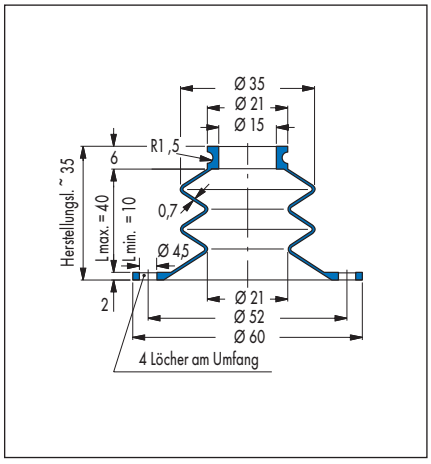
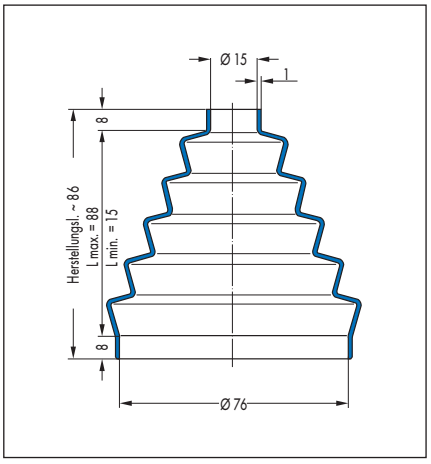
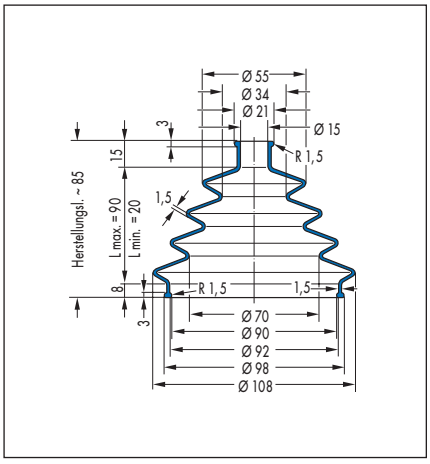


V6-366, Artikel-Nr. 427266



V6-116, Artikel-Nr. 439182 (42 CR 764)/439181 (50 CR 879)



V6-787, Artikel-Nr. 29962

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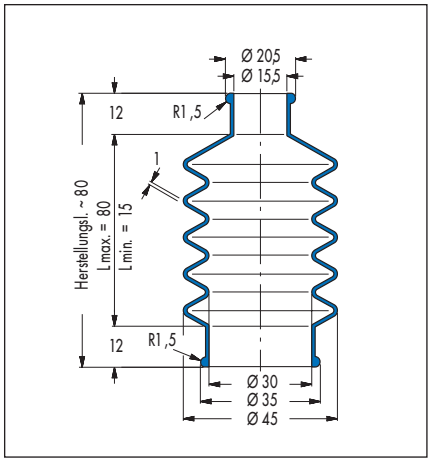

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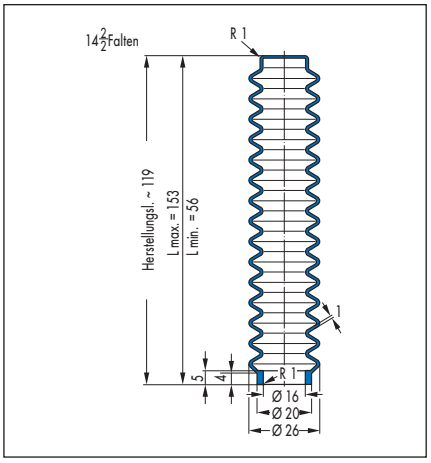

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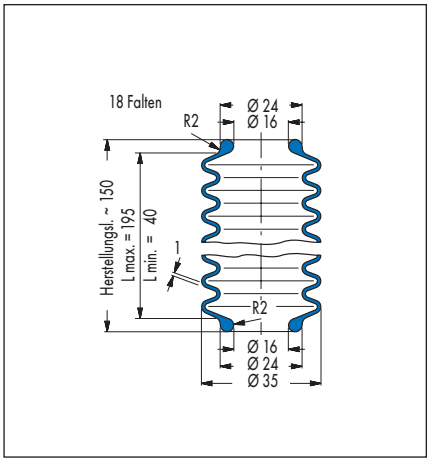

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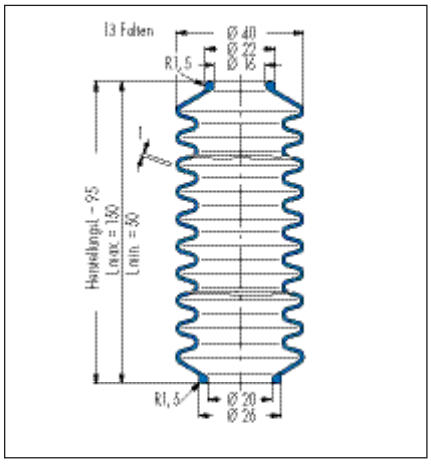

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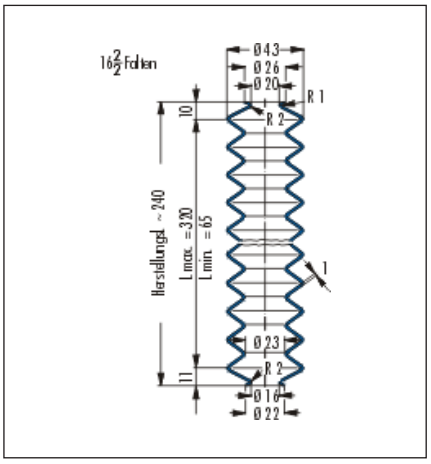

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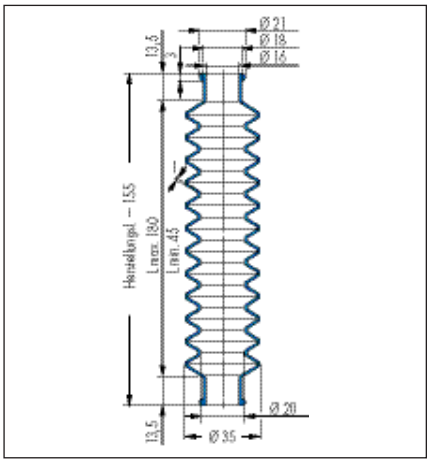

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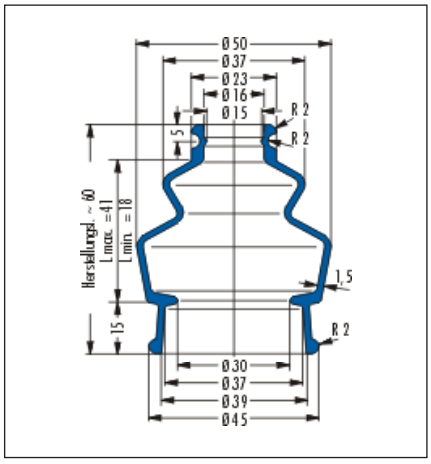

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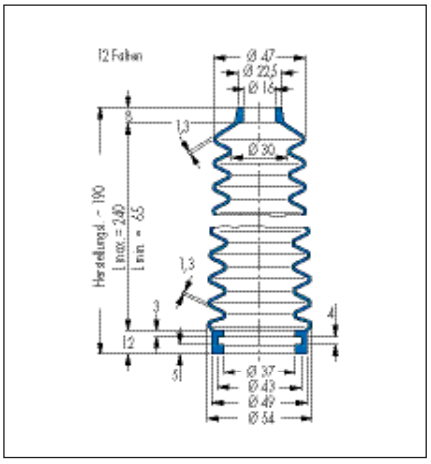

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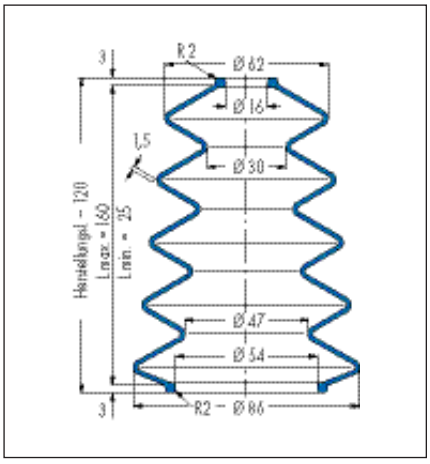
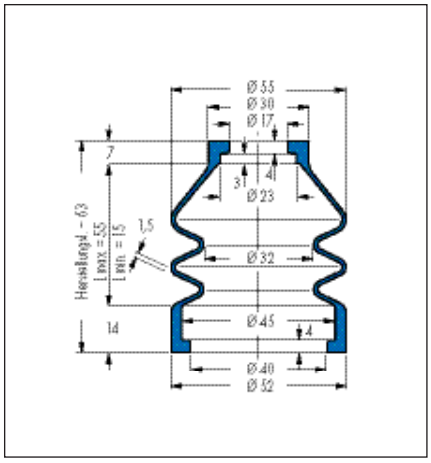
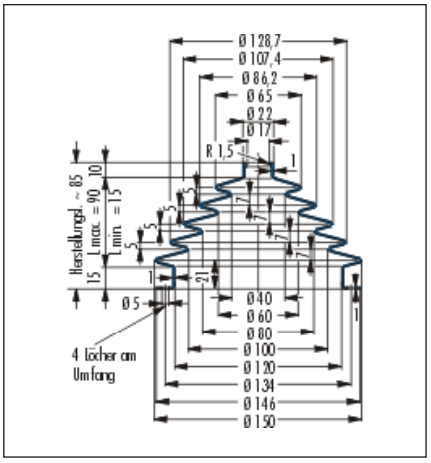


V6-610, Artikel-Nr. 426375



V6-221, Artikel-Nr. 428830



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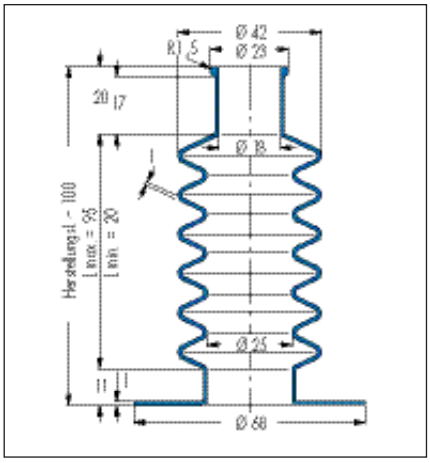

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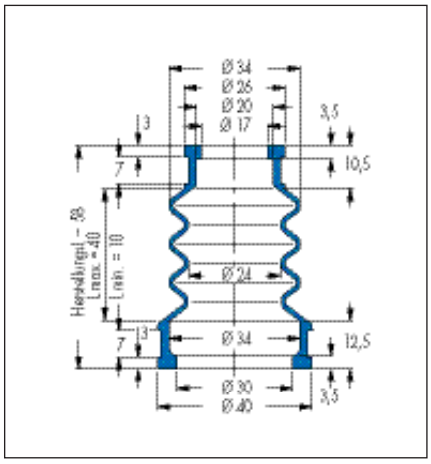

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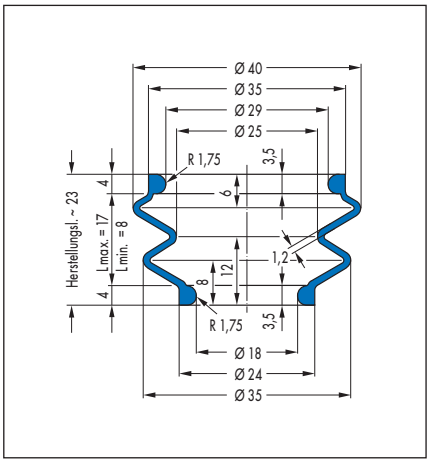

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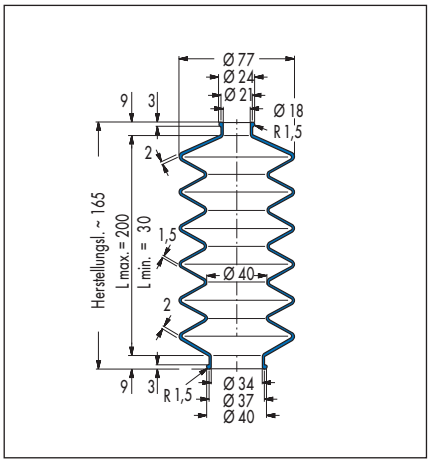
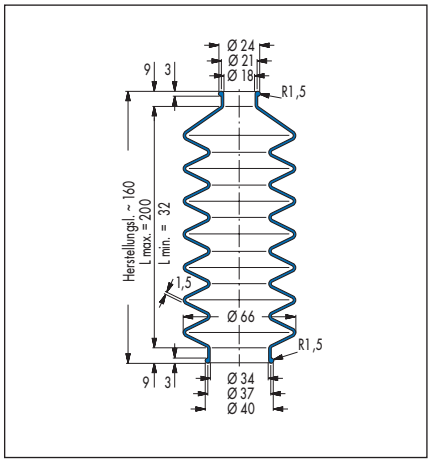


V6-531, Artikel-Nr. 453728



V6-503, Art.-Nr. 440392 (42 CR 764)/
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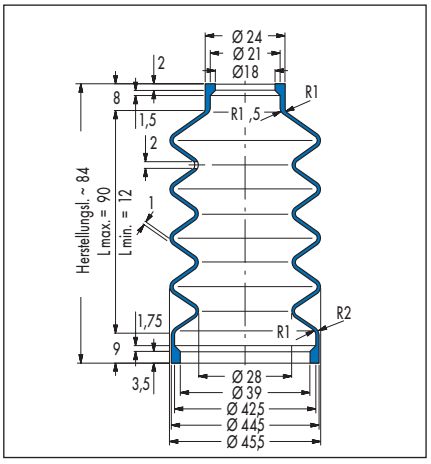

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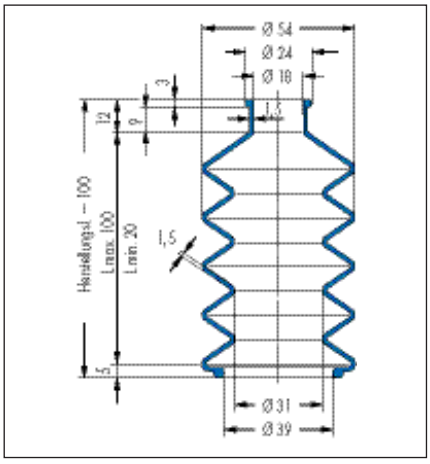

V6-828, Artikel-Nr. 11520

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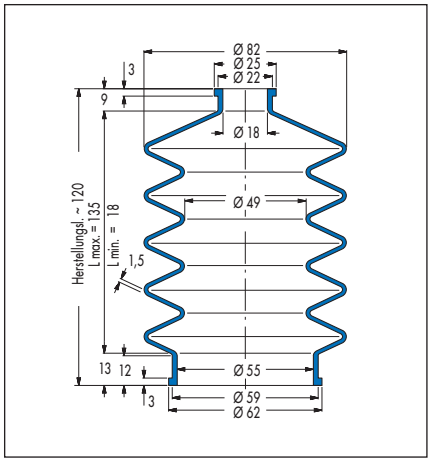
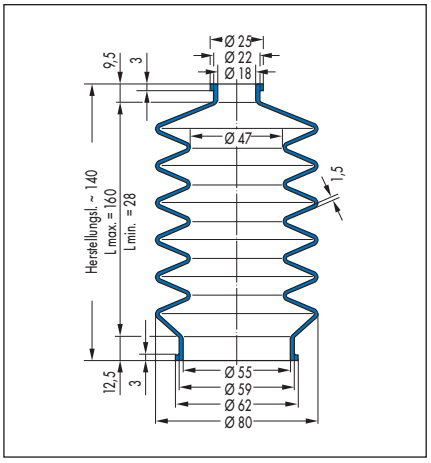
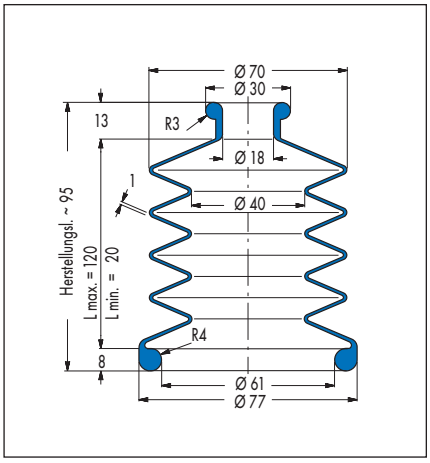


V6-75, Artikel-Nr. 439195



V6-275, Artikel-Nr. 451293



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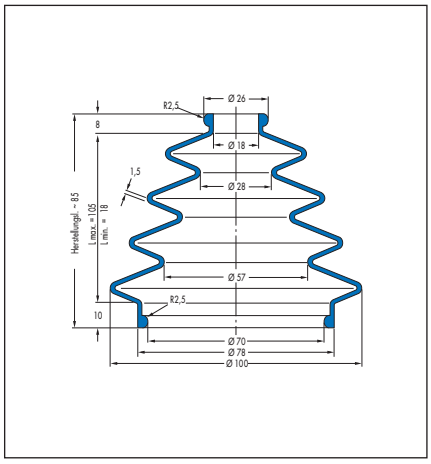

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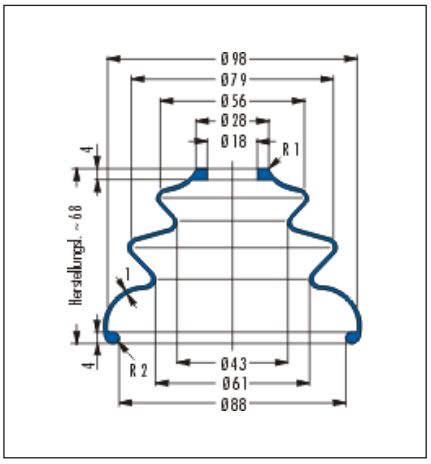
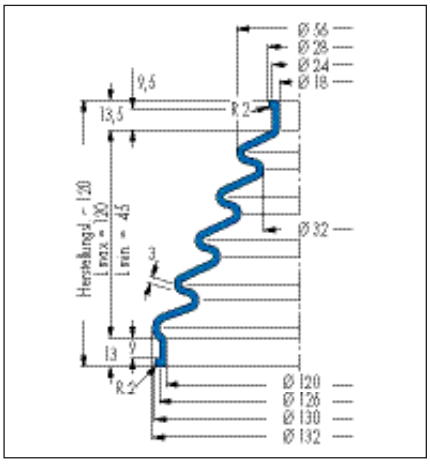
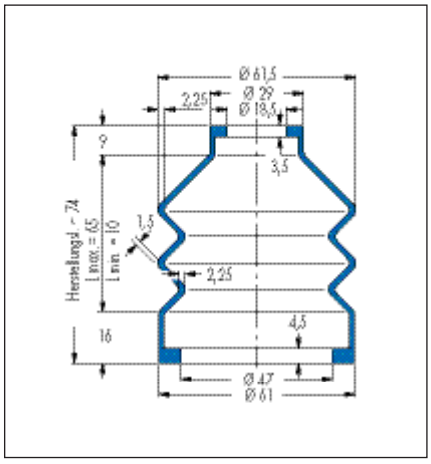


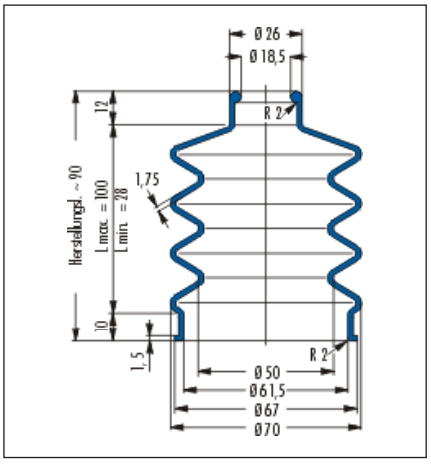
V6-942, Artikel-Nr. 450411



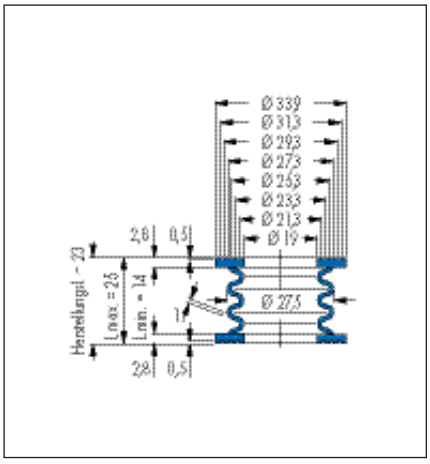
V6-575, Artikel-Nr. 29752



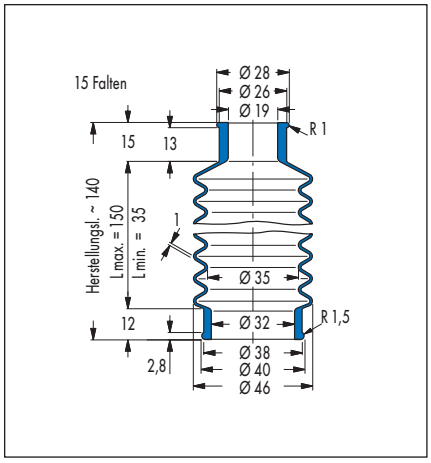
V6-203, Artikel-Nr. 431289



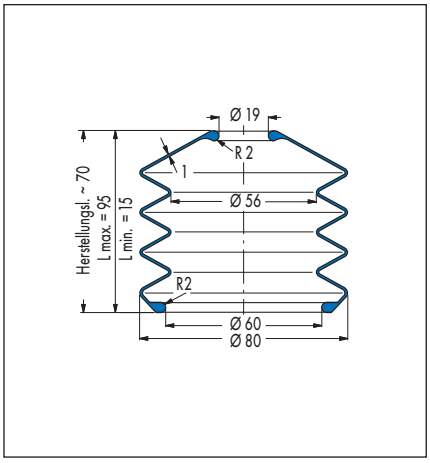
V6-843, Artikel-Nr. 432191



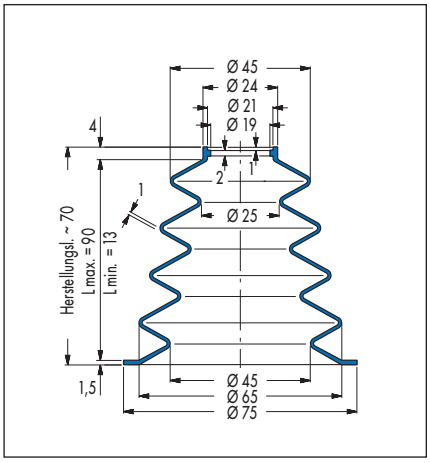
V6-383, Artikel-Nr. 430846



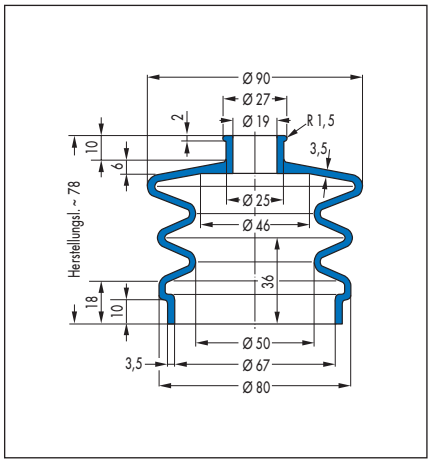
V6-679, Artikel-Nr. 426799



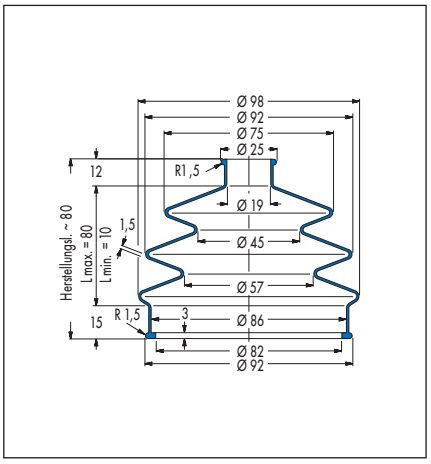
V6-565, Artikel-Nr. 434030



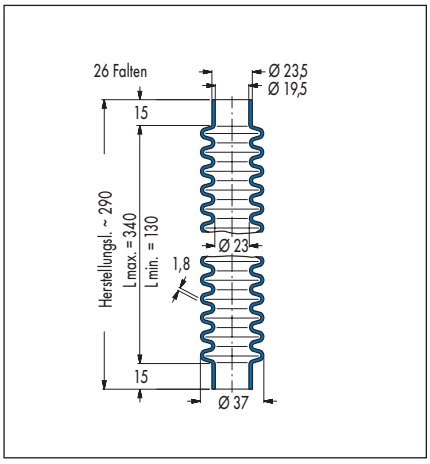
V6-714, Artikel-Nr. 427269



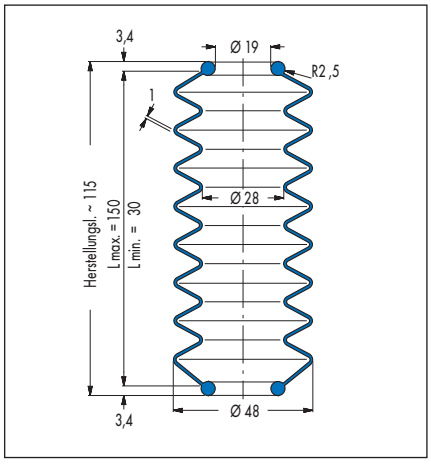
V6-20199, Artikel-Nr. 501112



V6-955, Artikel-Nr. 429670



V6-915, Artikel-Nr. 440260



V6-726, Artikel-Nr. 426387 (CR)/
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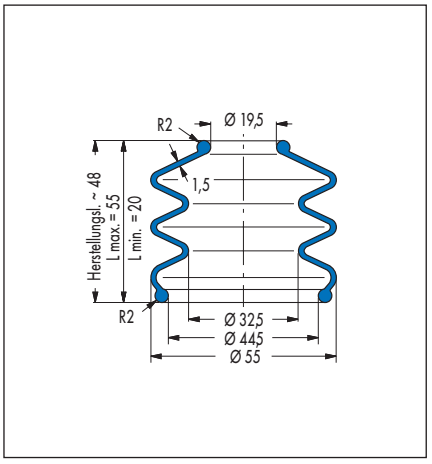
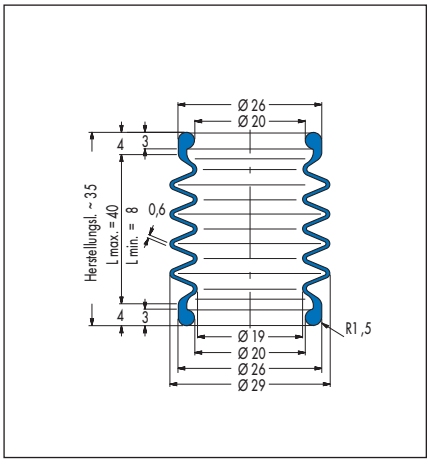


V6-130, Artikel-Nr. 437298



V6-722, Artikel-Nr. 336382

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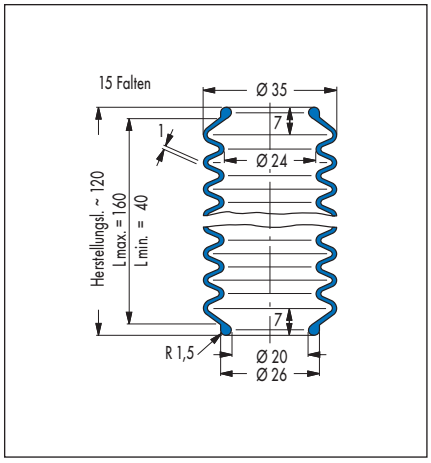

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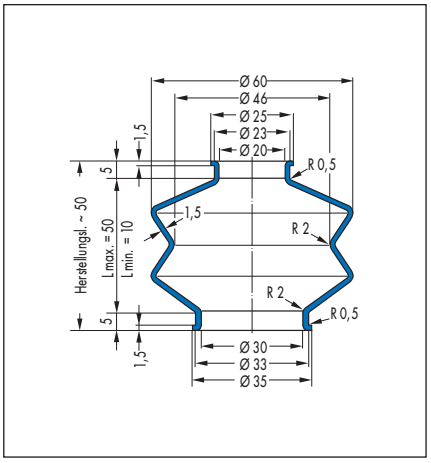

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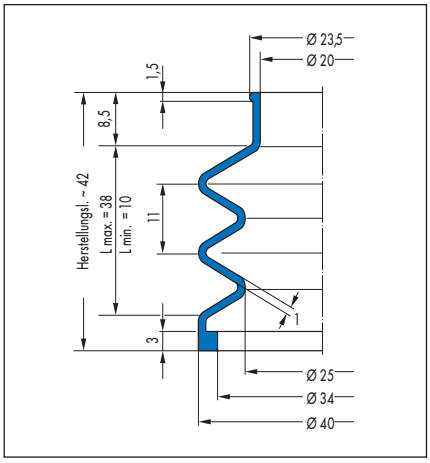

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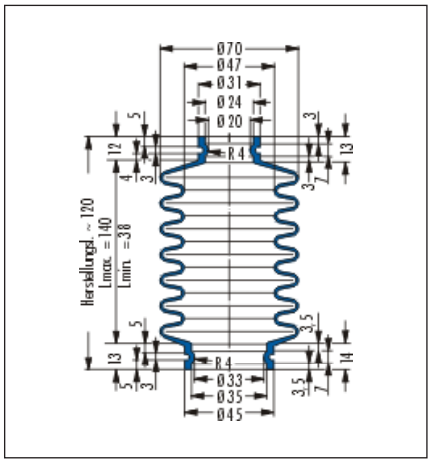

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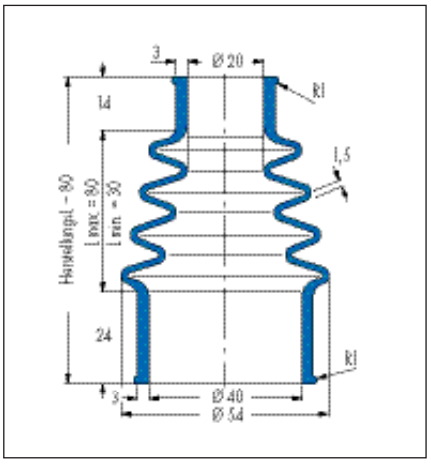

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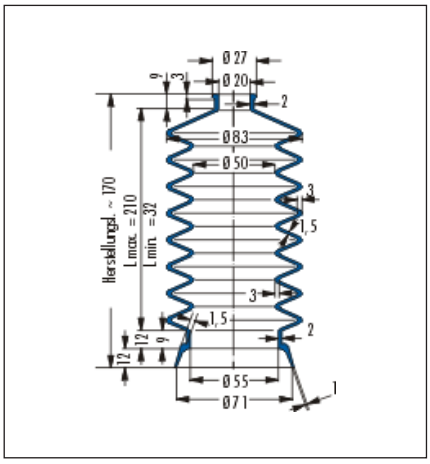
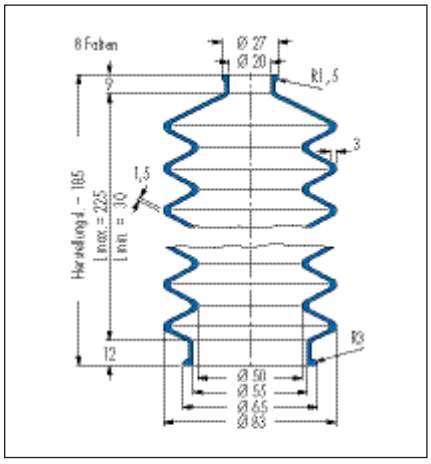


V6-434, Artikel-Nr. 438213



V6-861, Art.-Nr. 429667 (42 CR 764)/
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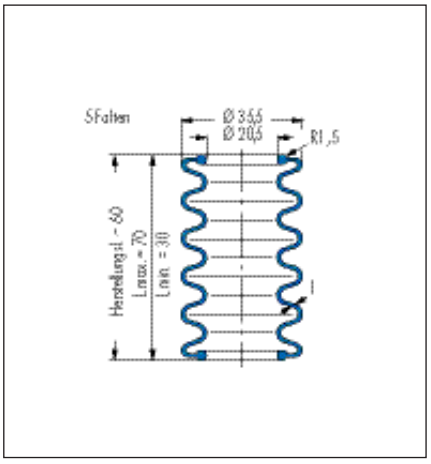

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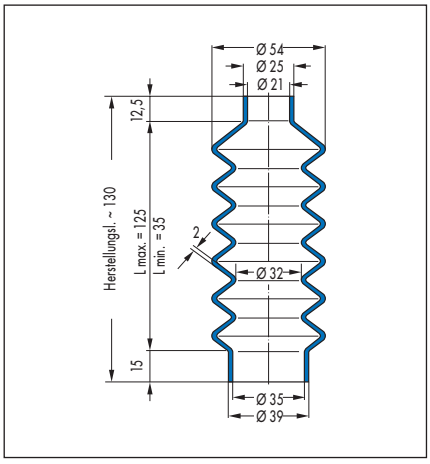
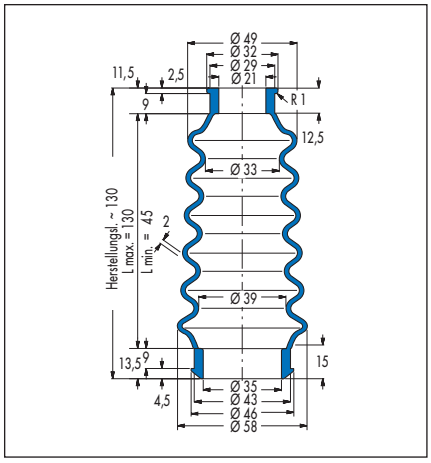


V6-792, Artikel-Nr. 430861



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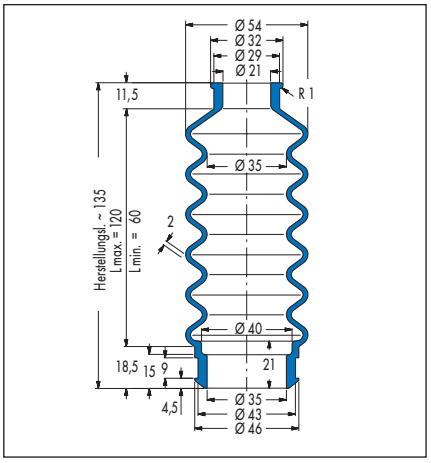
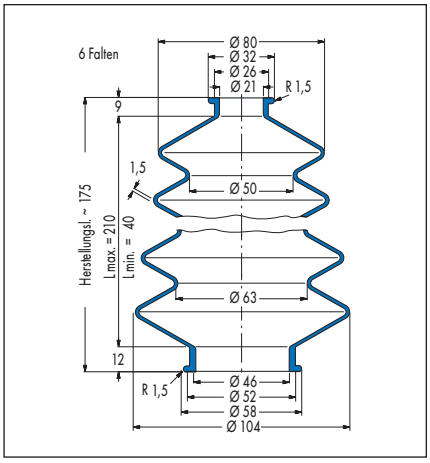
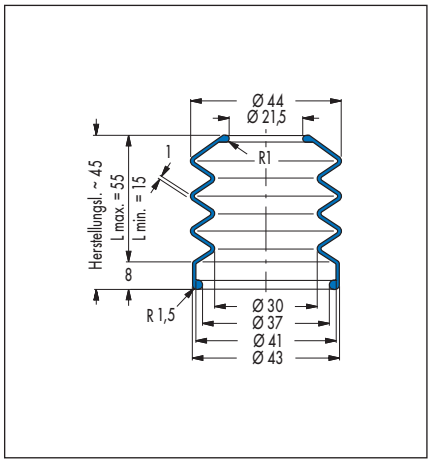


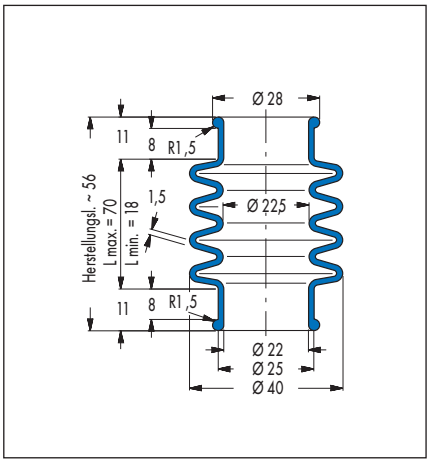
V6-305, Artikel-Nr. 426323



V6-365, Artikel-Nr. 431649



V6-570, Artikel-Nr. 436744



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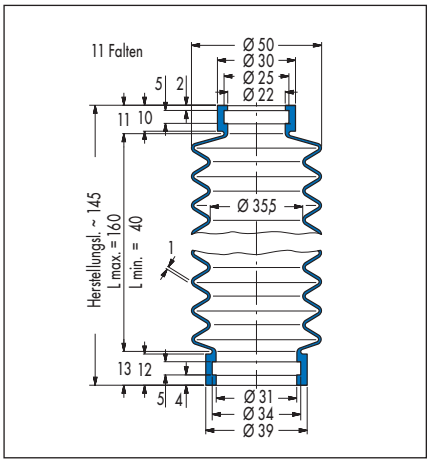

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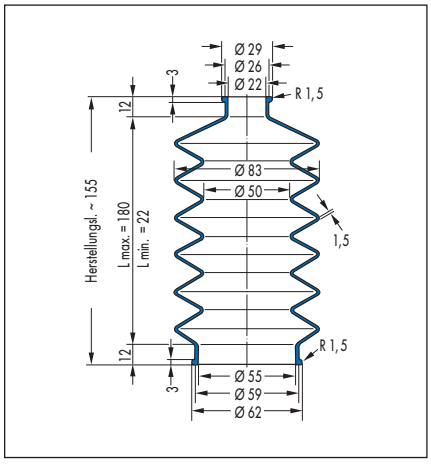

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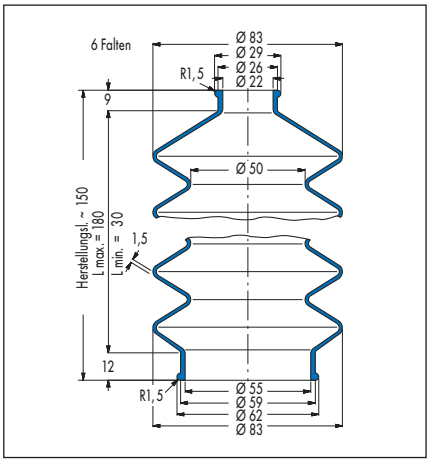

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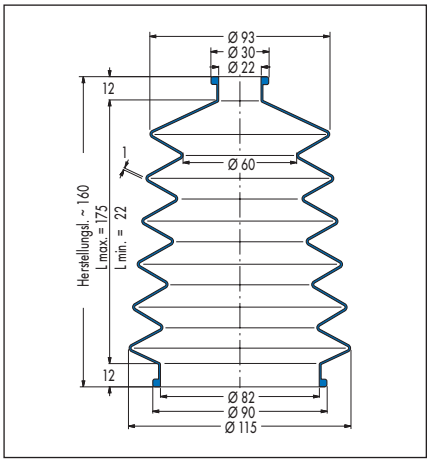

V6-212, Artikel-Nr. 439178

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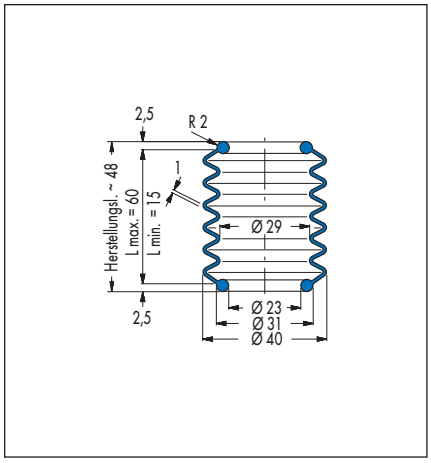

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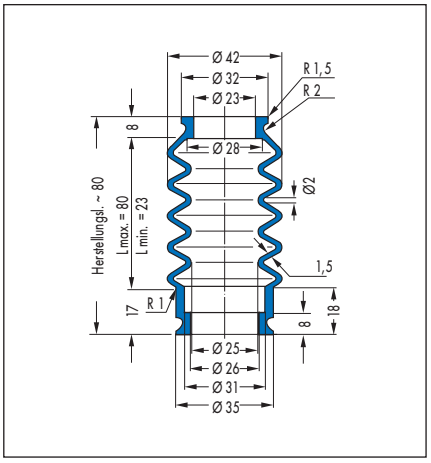
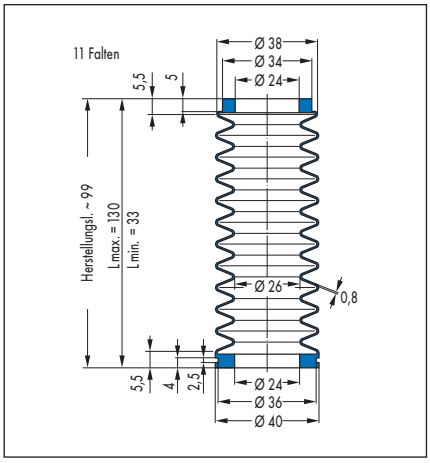


V6-234, Artikel-Nr. 440348



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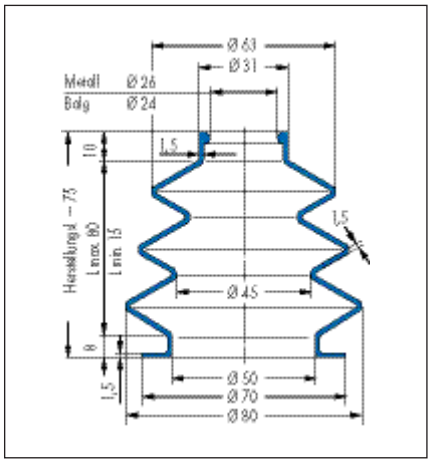

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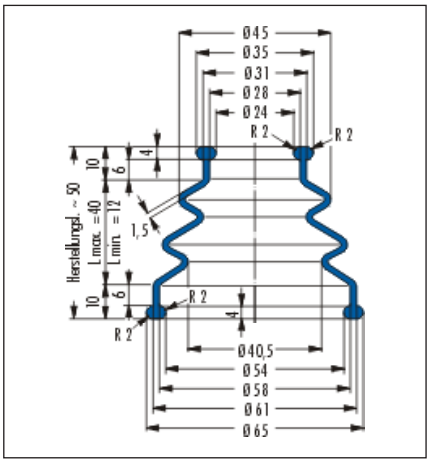

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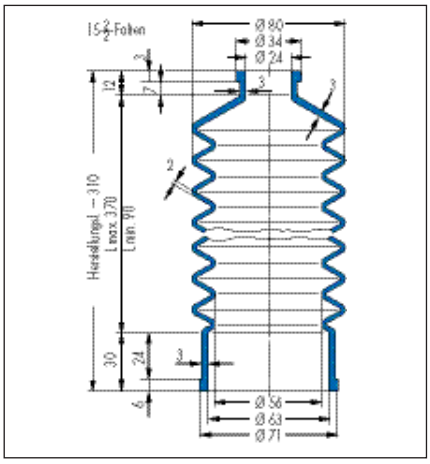
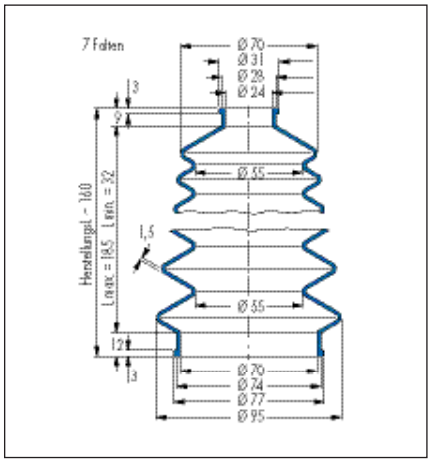


V6-738, Artikel-Nr. 60037192



V6-69, Artikel-Nr. 432599 (42 CR 764)/
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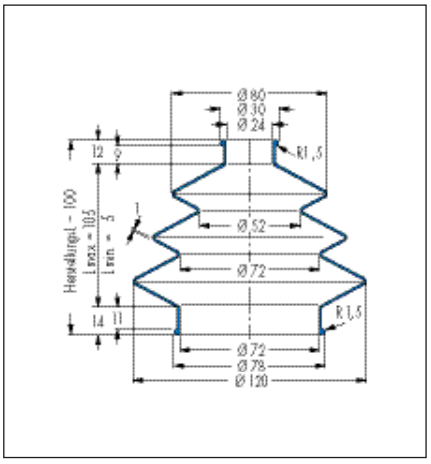

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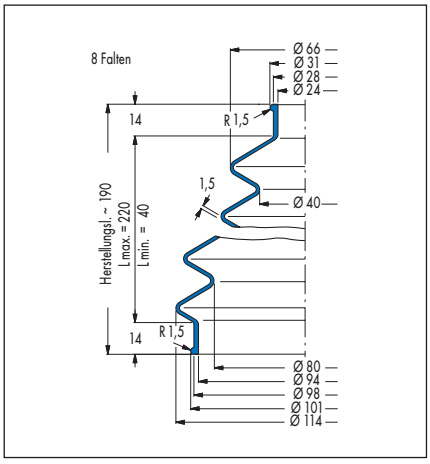

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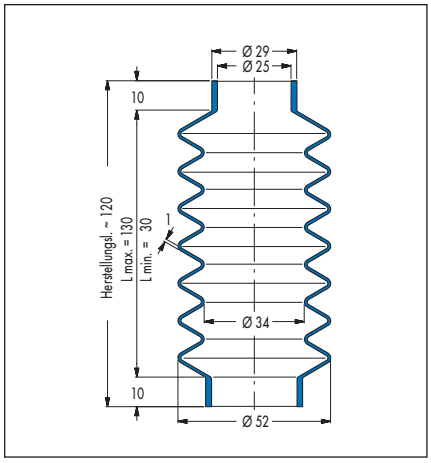

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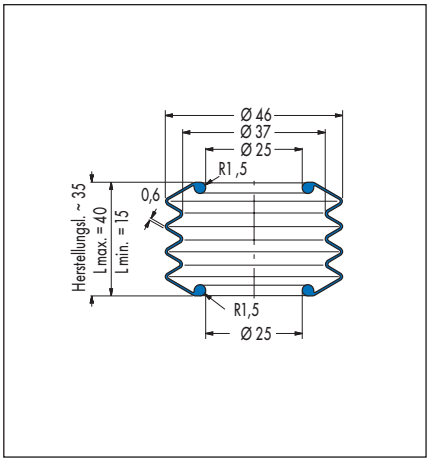
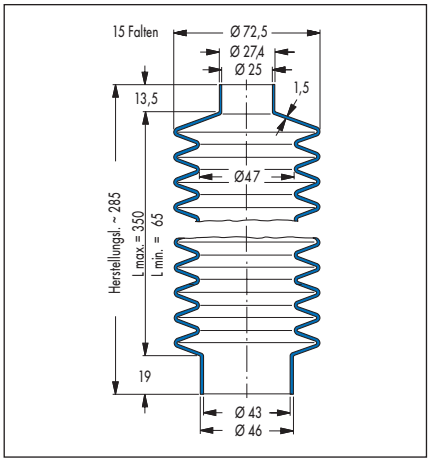


V6-462, Artikel-Nr. 440279 (CR)/
440283 (NBR)



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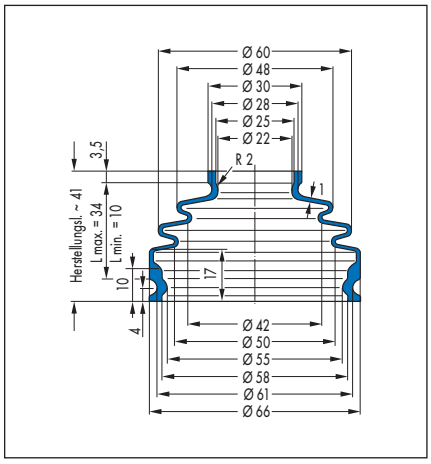
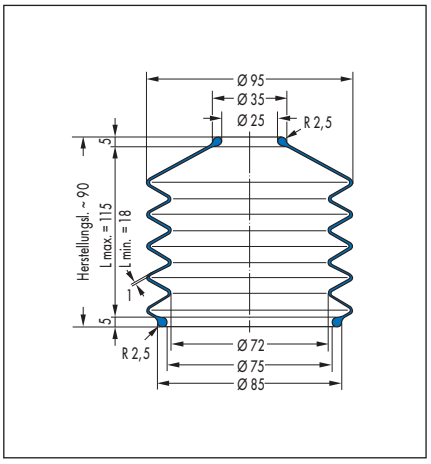


V6-997, Artikel-Nr. 451314



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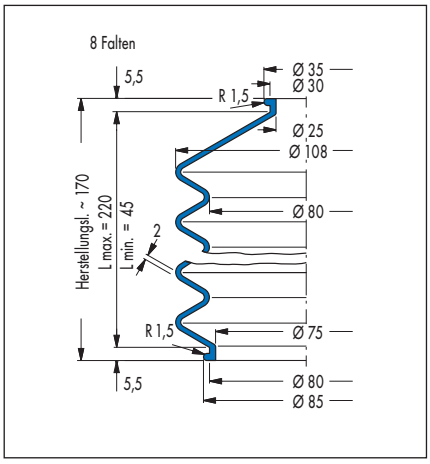

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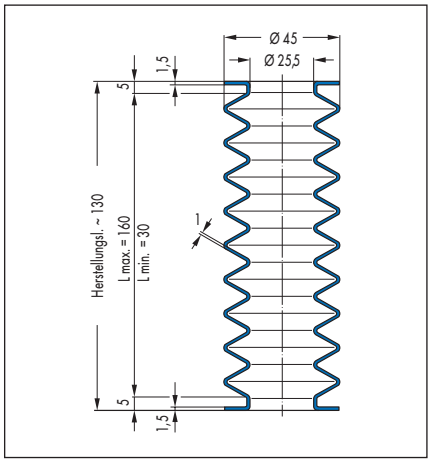
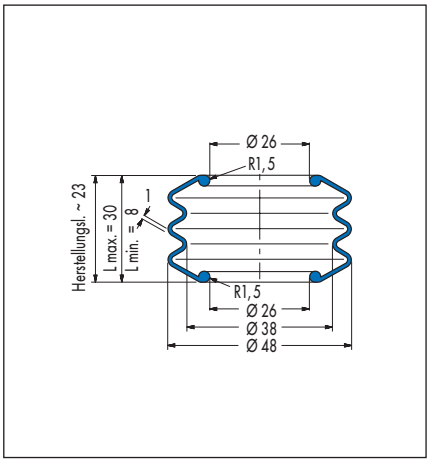


V6-966, Artikel-Nr. 350974



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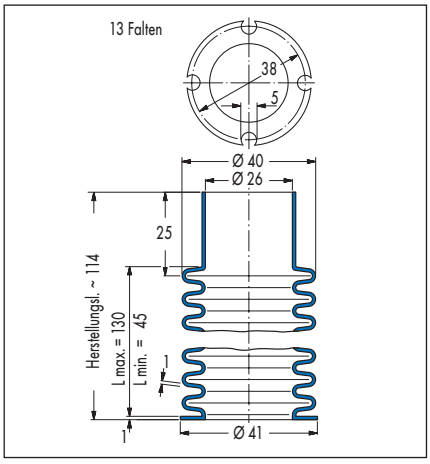

V6-200, Artikel-Nr. 438022

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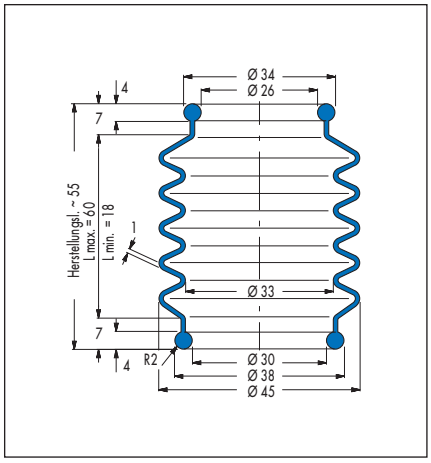
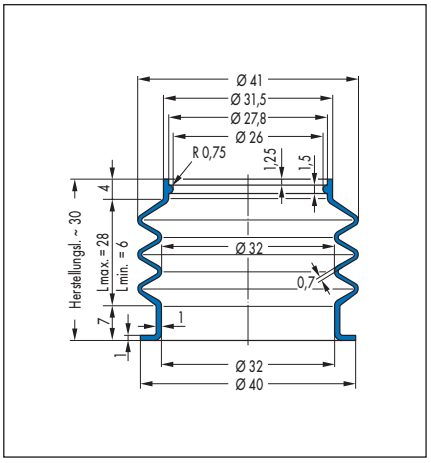
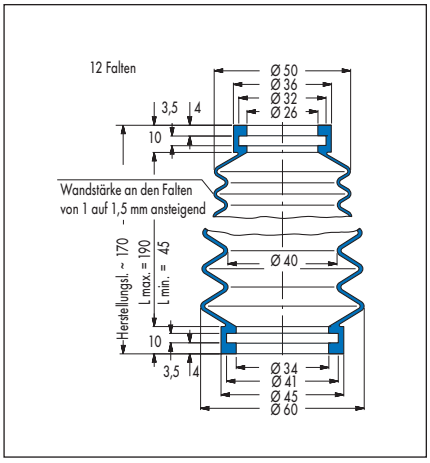


V6-592, Artikel-Nr. 426382



V6-835, Artikel-Nr. 452564



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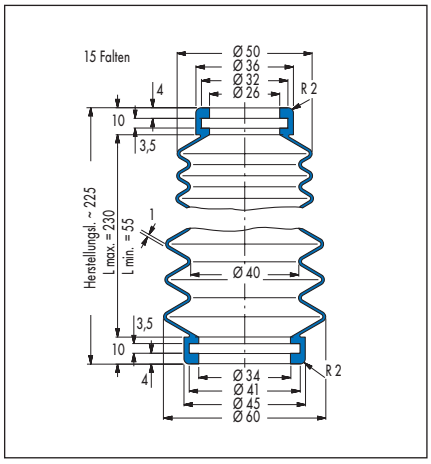

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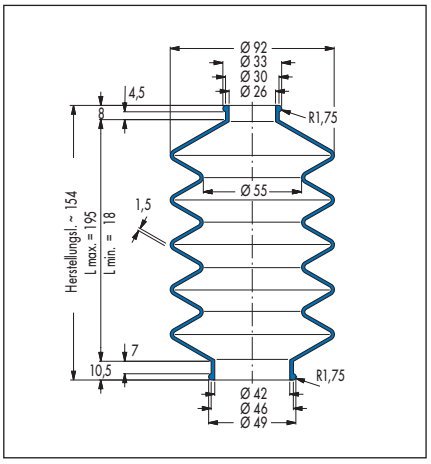

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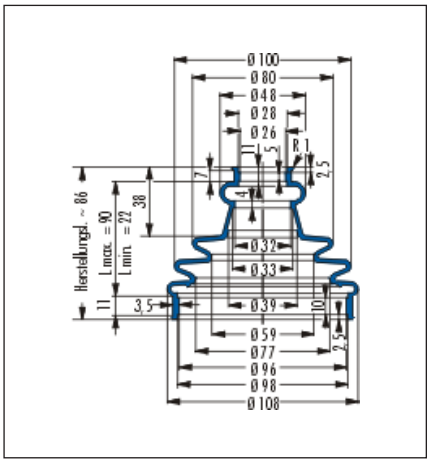

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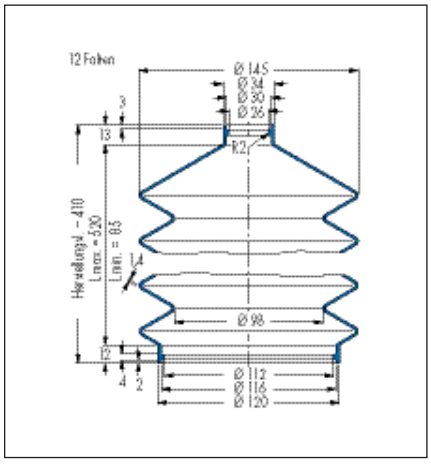
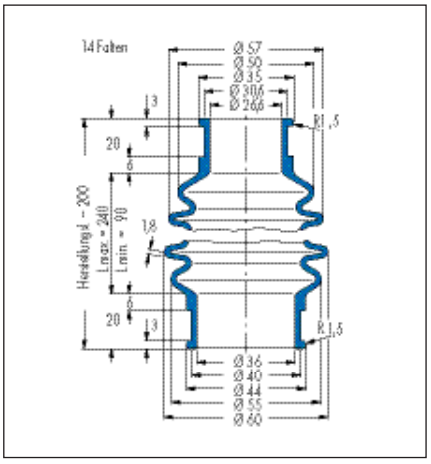


V6-1156, Artikel-Nr. 454245



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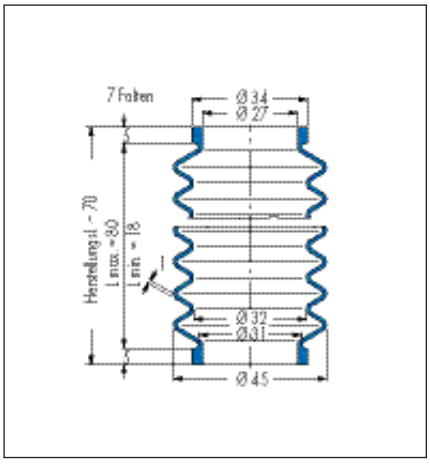
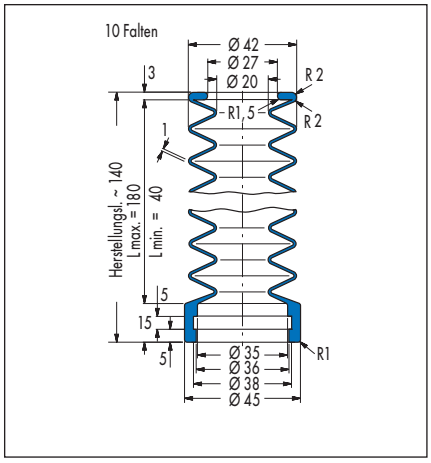
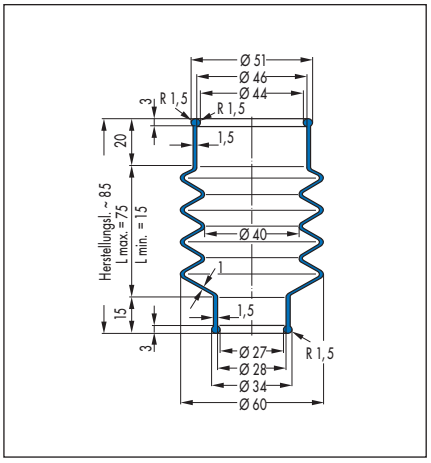


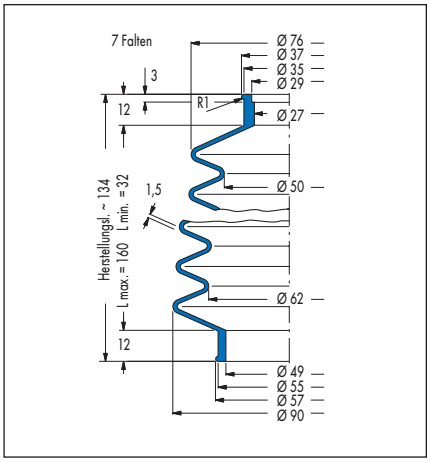
V6-290, Artikel-Nr. 432590



V6-259, Artikel-Nr. 439441



V6-363, Artikel-Nr. 432594



V6-106, Artikel-Nr. 430856 (NBR)/
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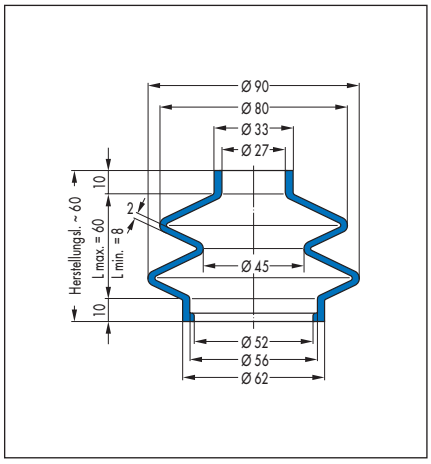

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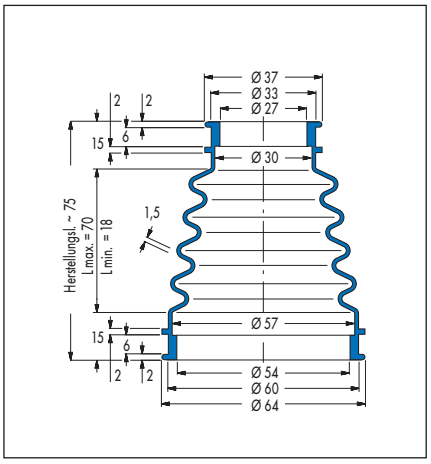

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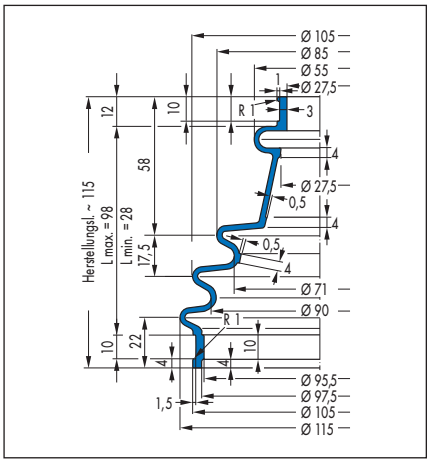

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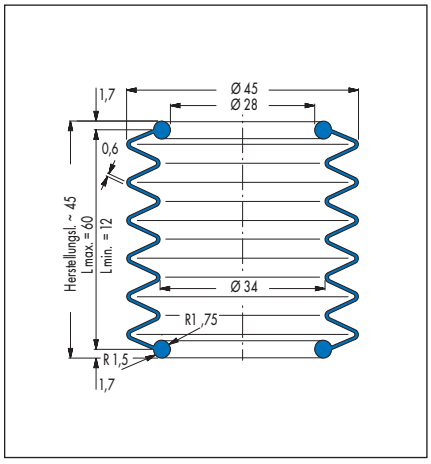

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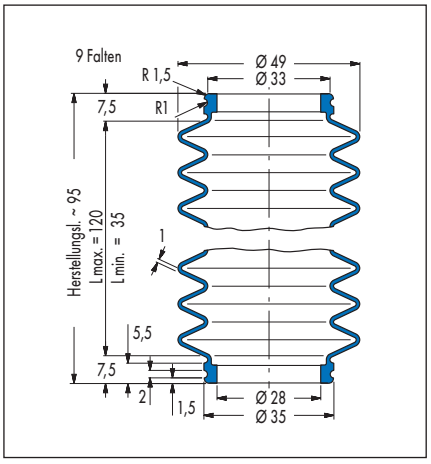

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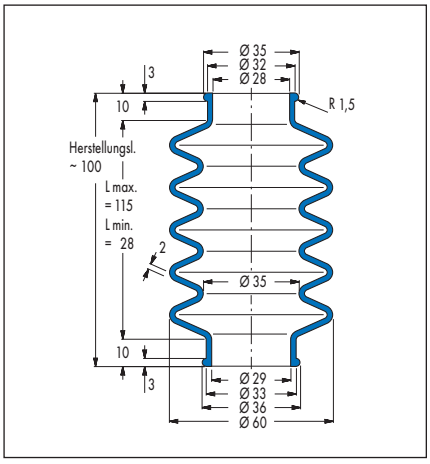

V6-594, Artikel-Nr. 429662

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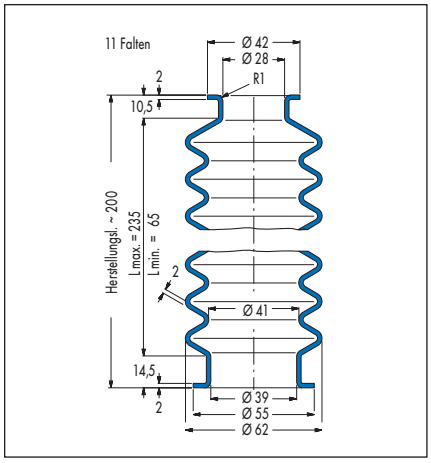

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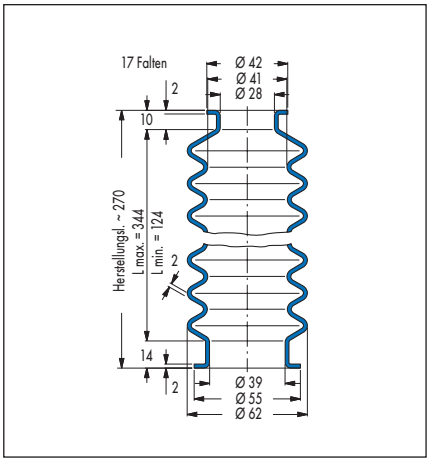

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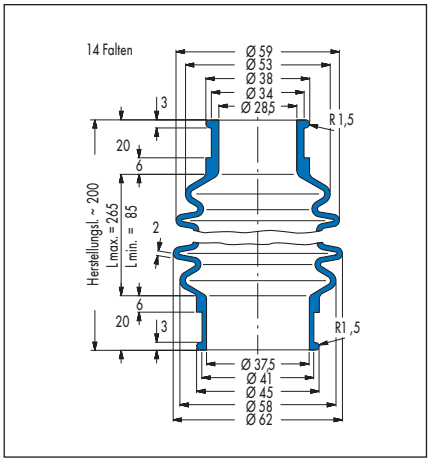

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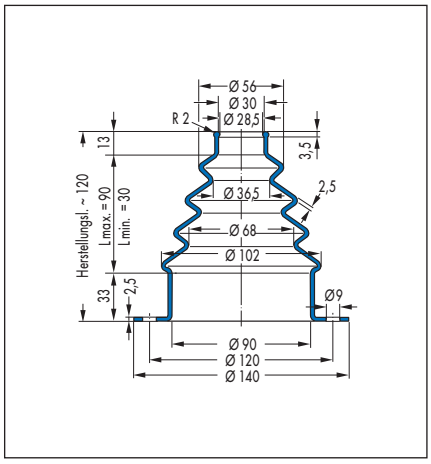

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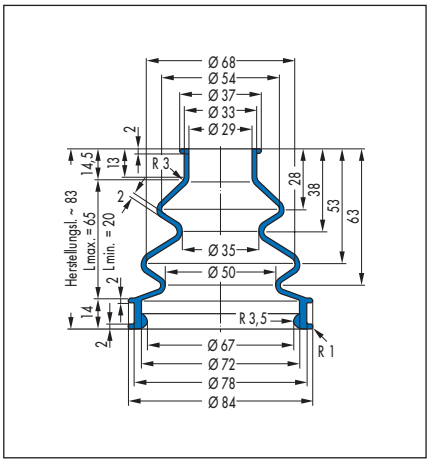

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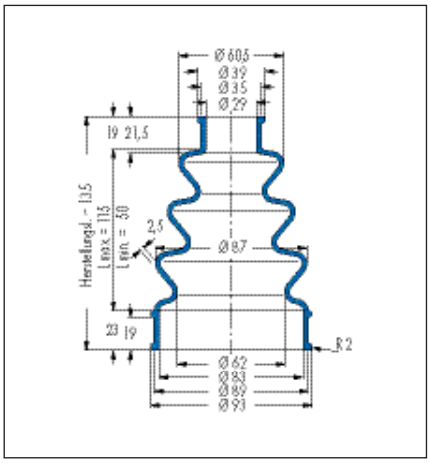

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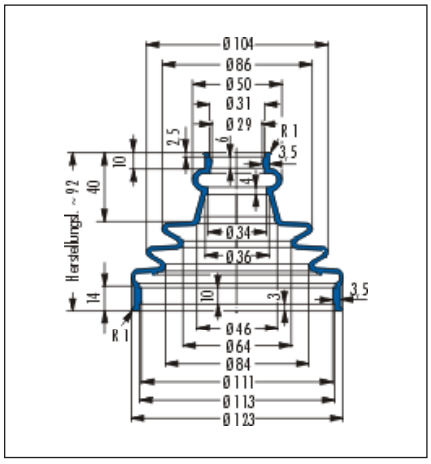

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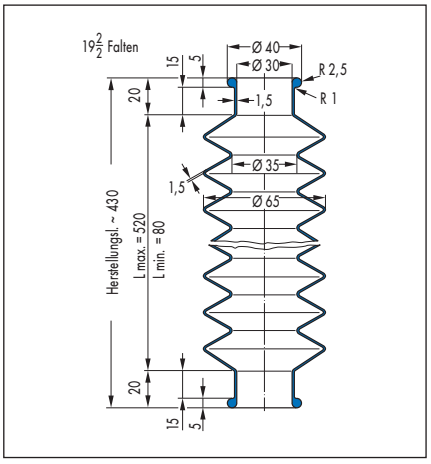

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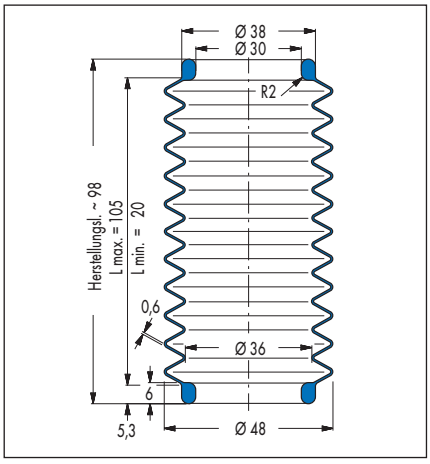

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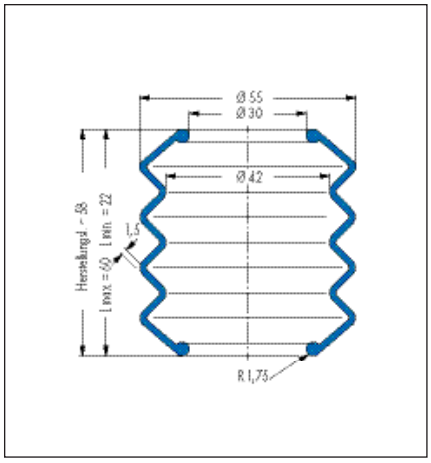

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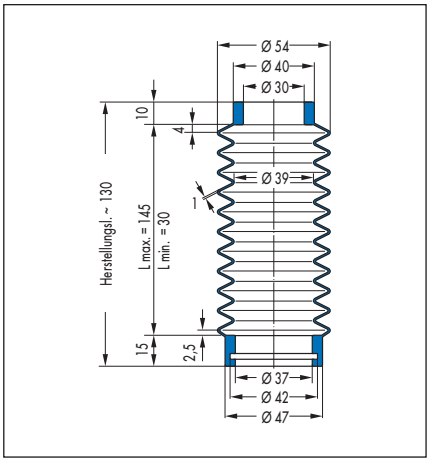

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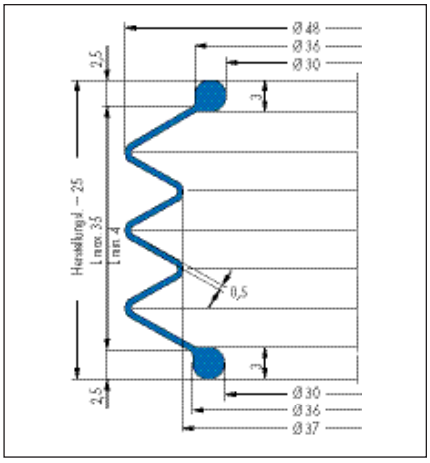

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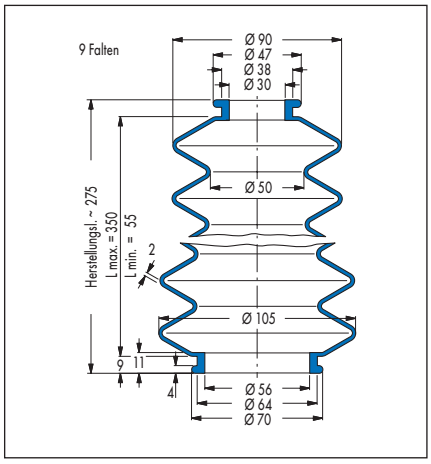

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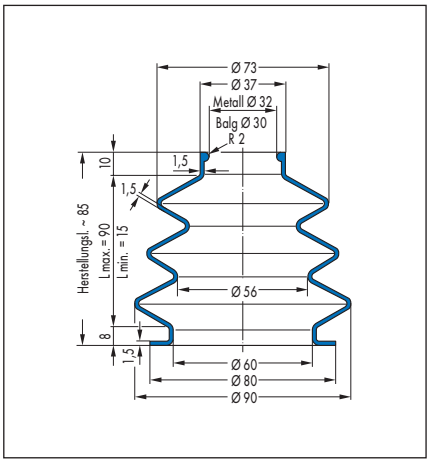

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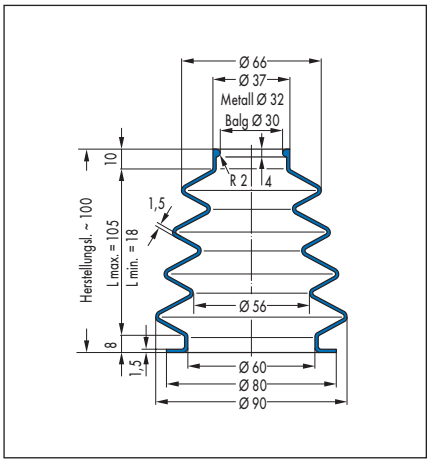

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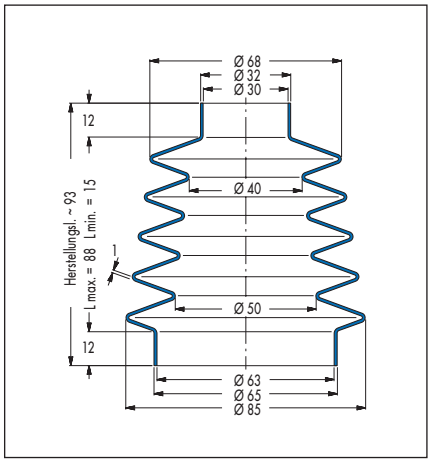

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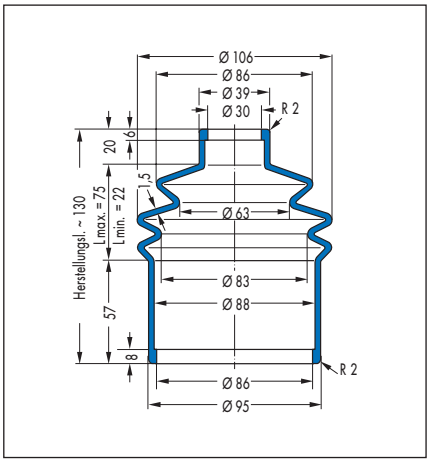

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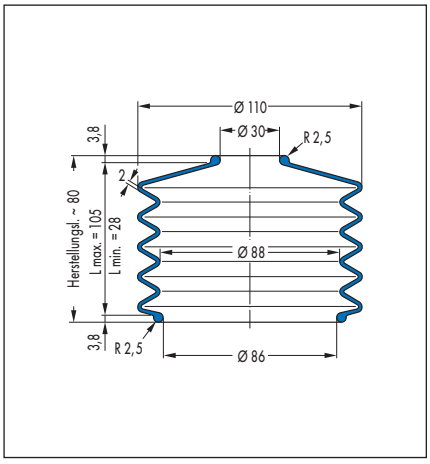

V6-903, Artikel-Nr. 438936

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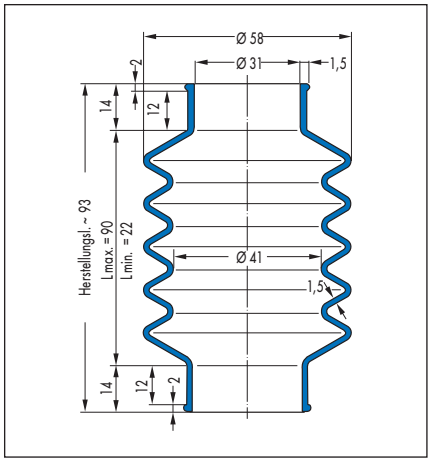

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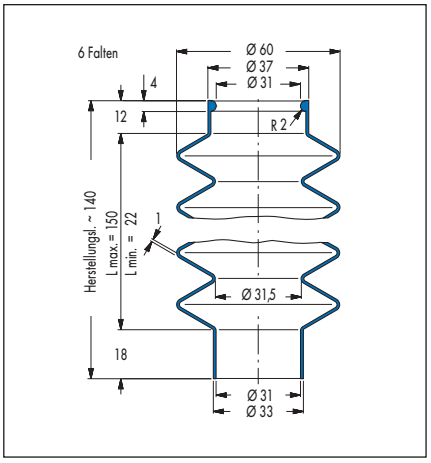

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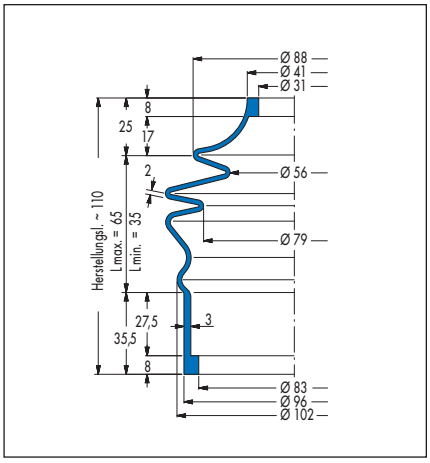

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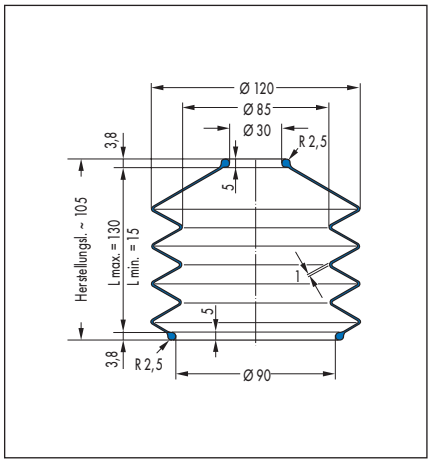

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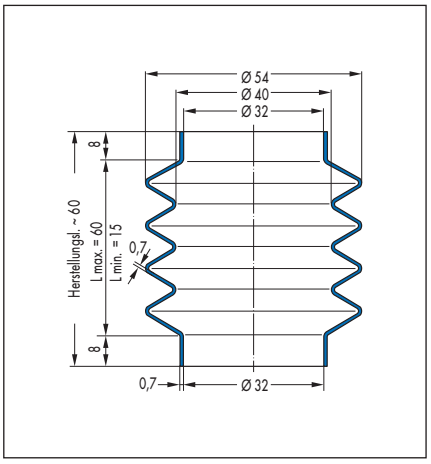

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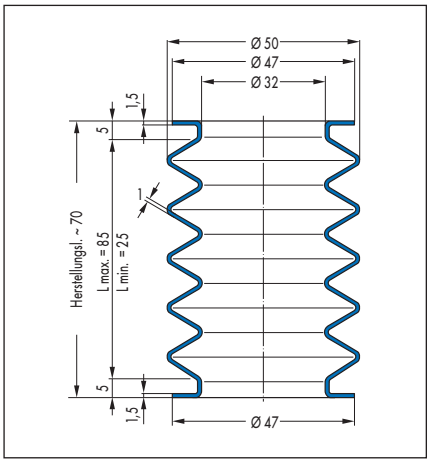

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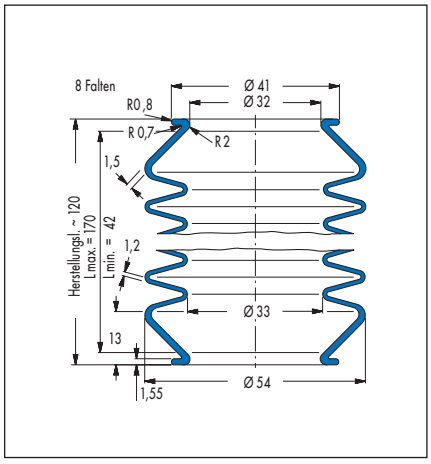

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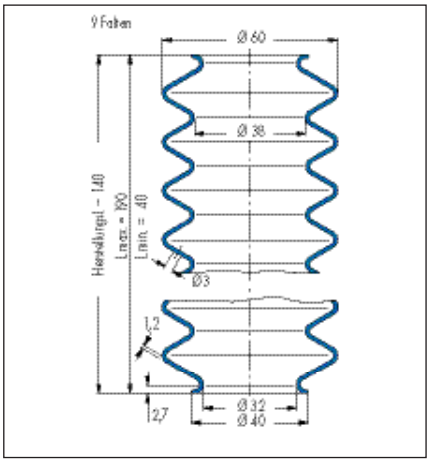

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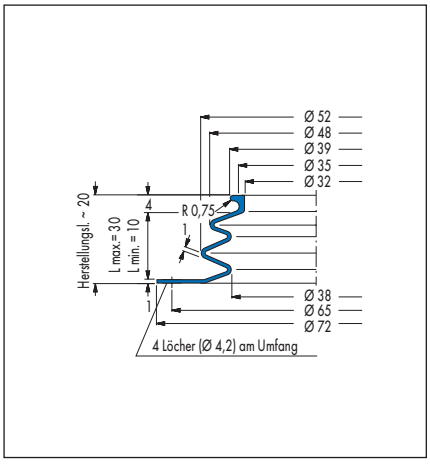

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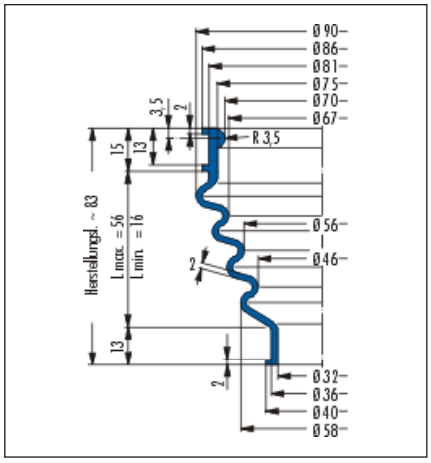

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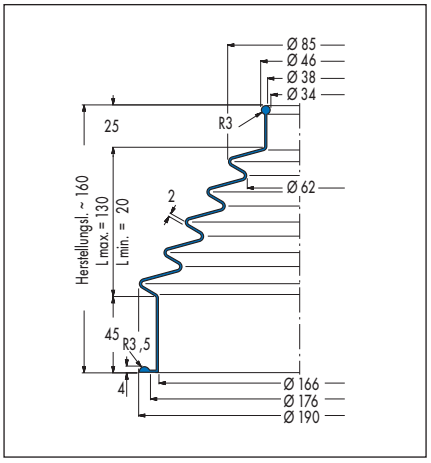

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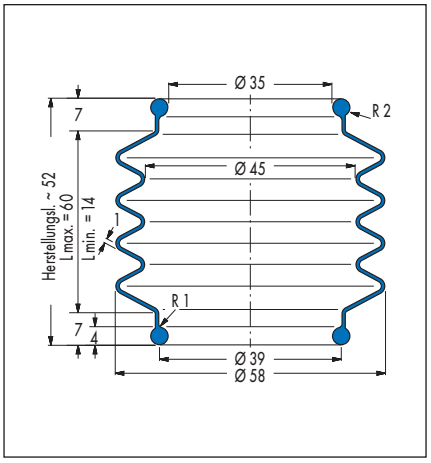

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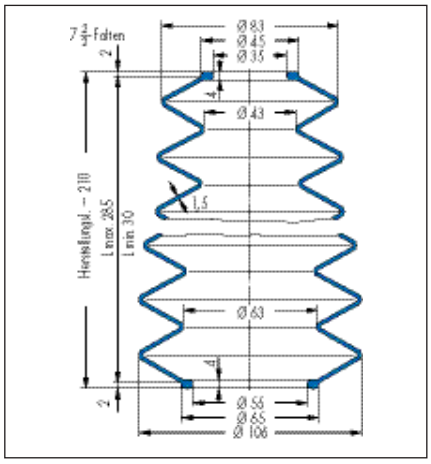

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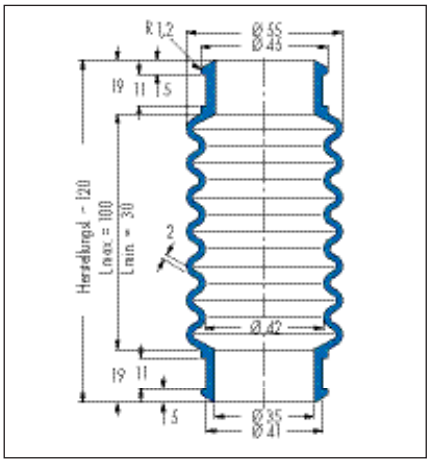

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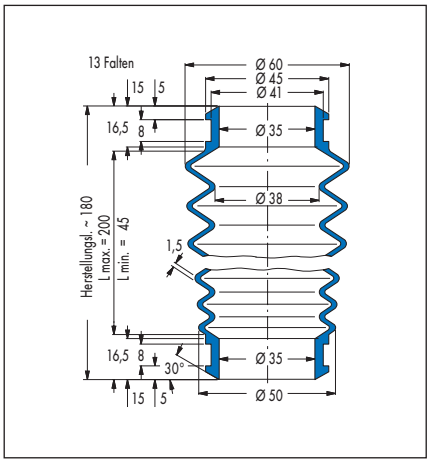

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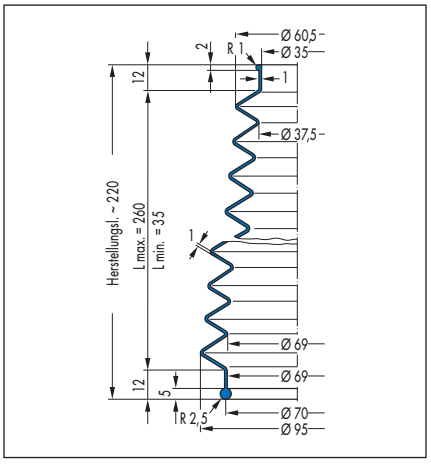

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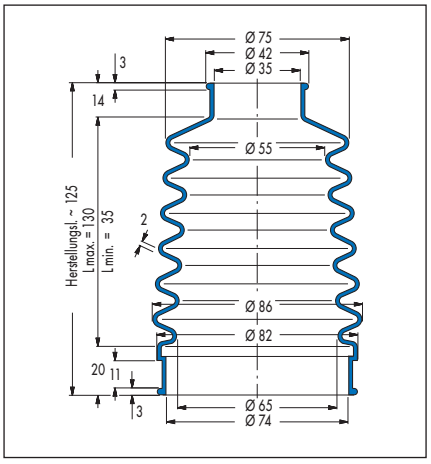
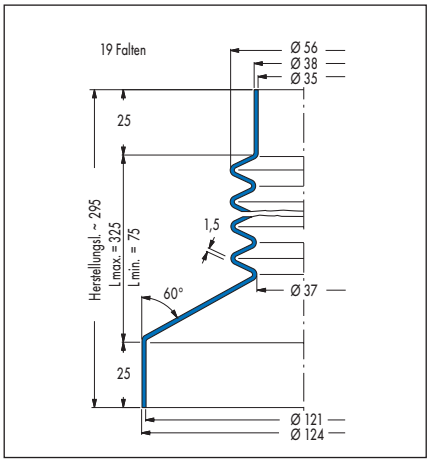


V6-654, Artikel-Nr. 434029



V6-117, Artikel-Nr. 29288

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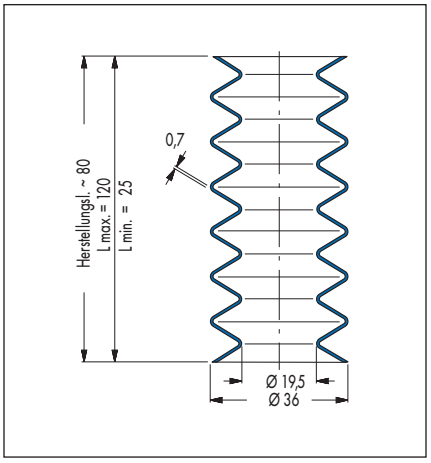

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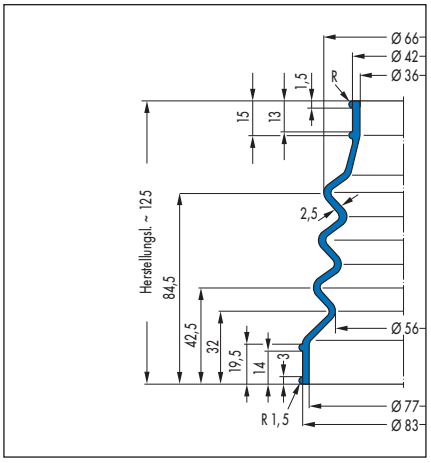

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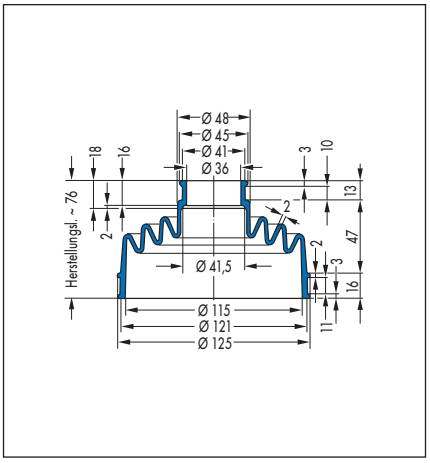

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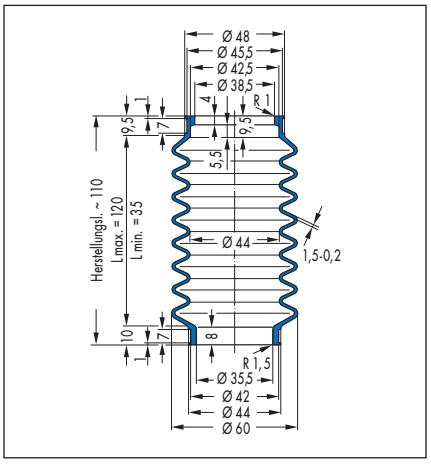

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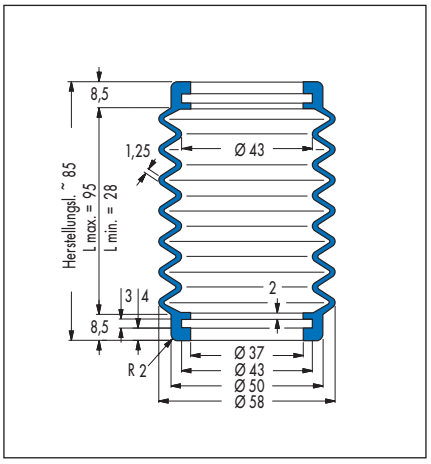

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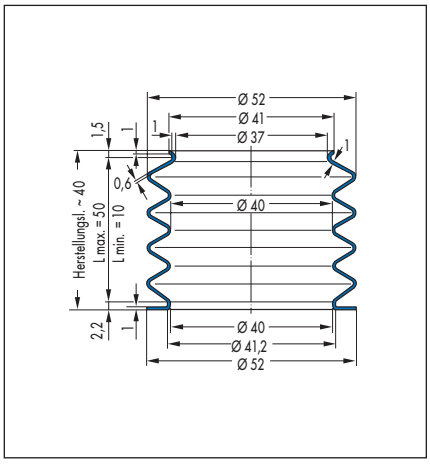
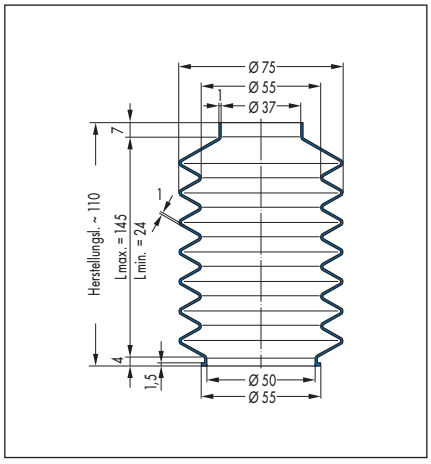
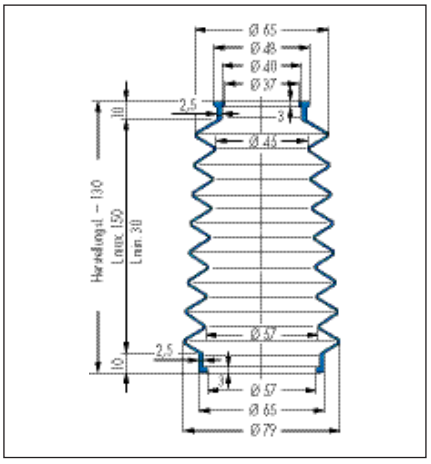


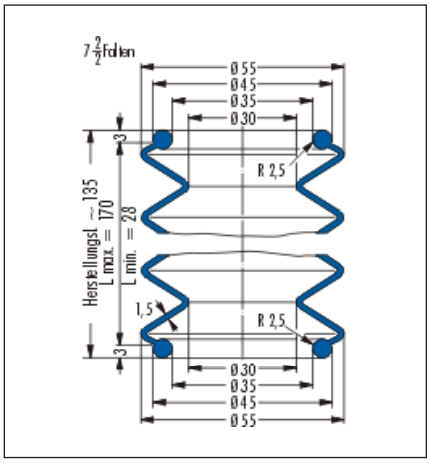
V6-467, Artikel-Nr. 456485



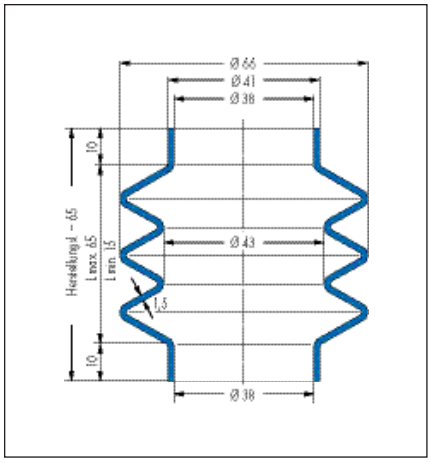
V6-790, Artikel-Nr. 29965



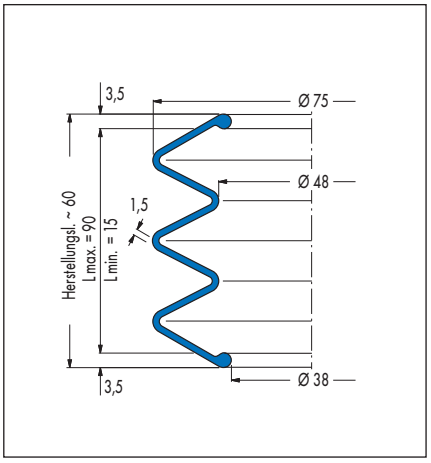
V6-823, Artikel-Nr. 400862



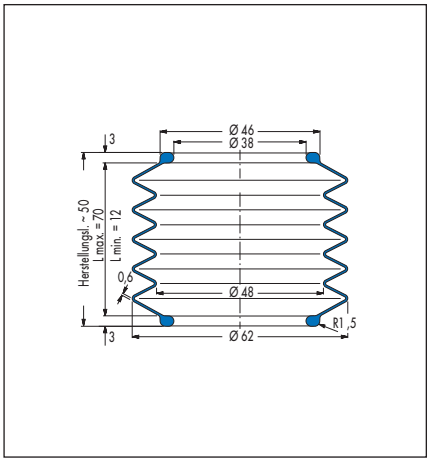
V6-297, Artikel-Nr. 501137



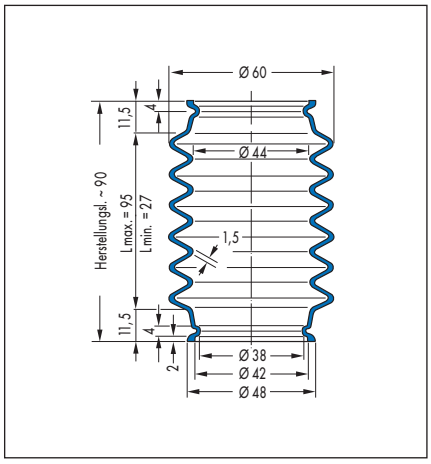
V6-808, Artikel-Nr. 439042



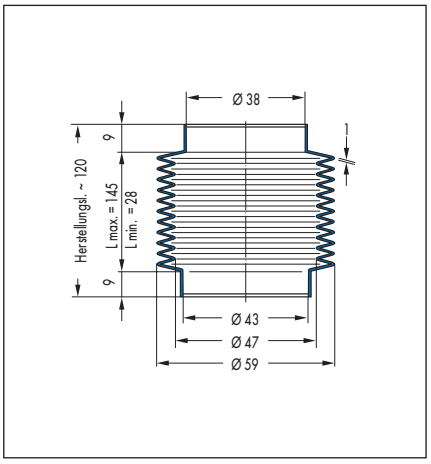
V6-429, Artikel-Nr. 431588



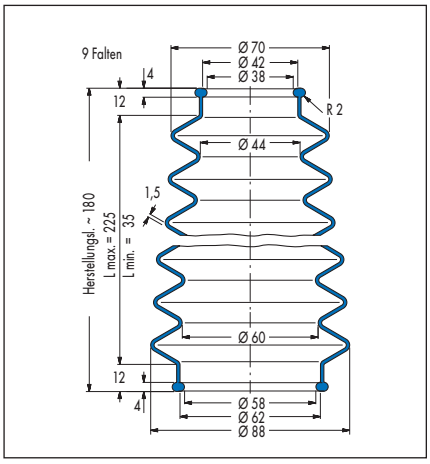
V6-662, Artikel-Nr. 434077



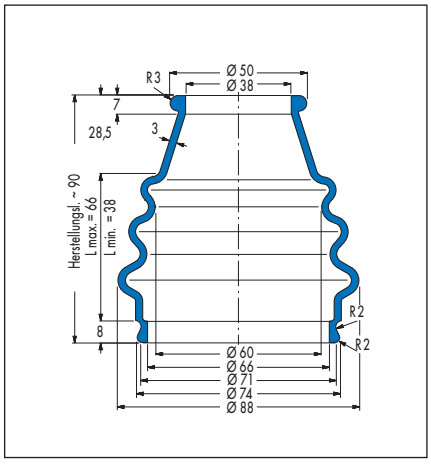
V6-255, Artikel-Nr. 451751



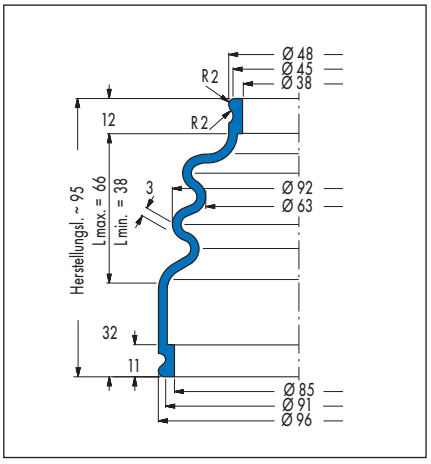
V6-230, Artikel-Nr. 439434



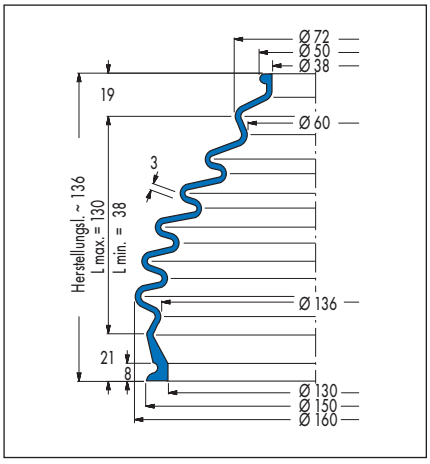
V6-619, Artikel-Nr. 431955



V6-190, Artikel-Nr. 438014



V6-191, Artikel-Nr. 428311



V6-199, Artikel-Nr. 438027

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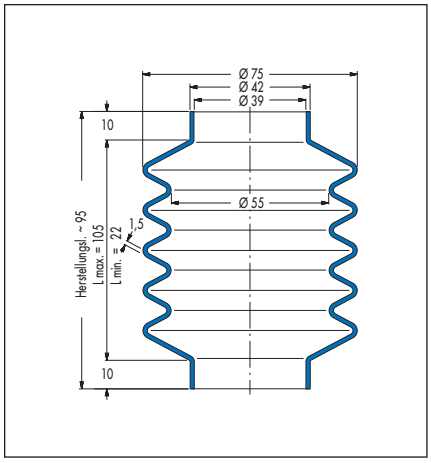
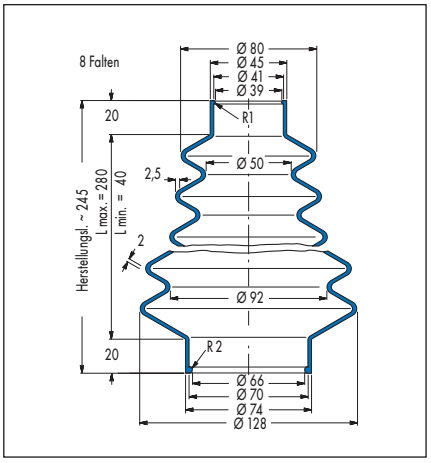
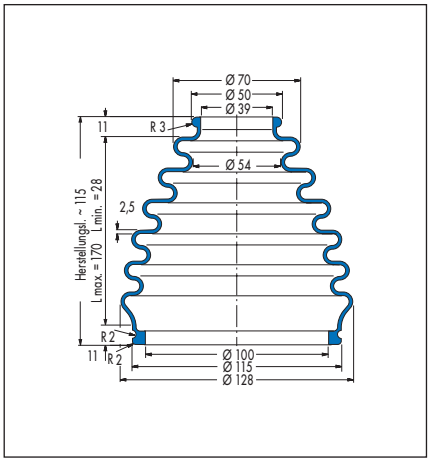


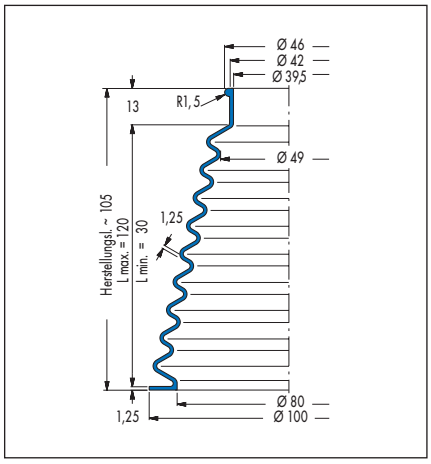
V6-321, Artikel-Nr. 429648



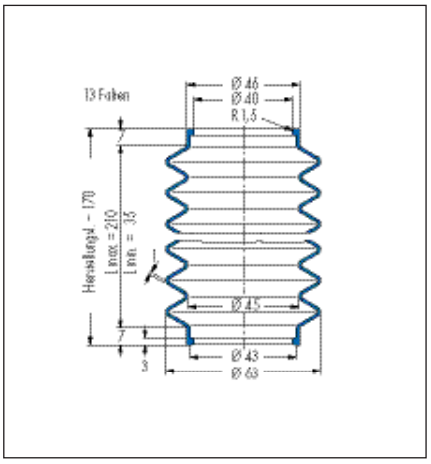
V6-556, Artikel-Nr. 29735



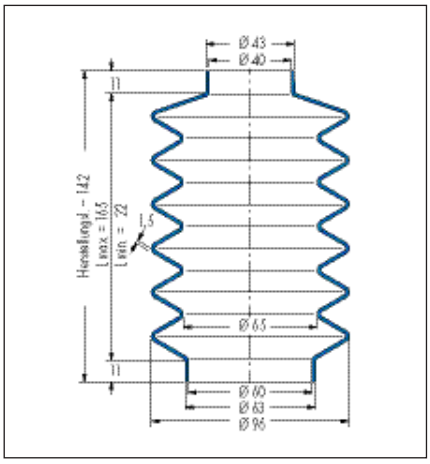
V6-60, Artikel-Nr. 428322



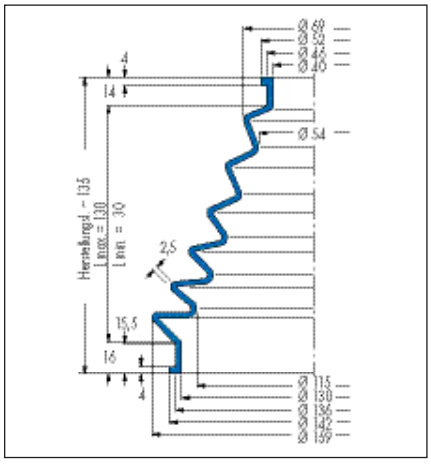
V6-188, Artikel-Nr. 432643



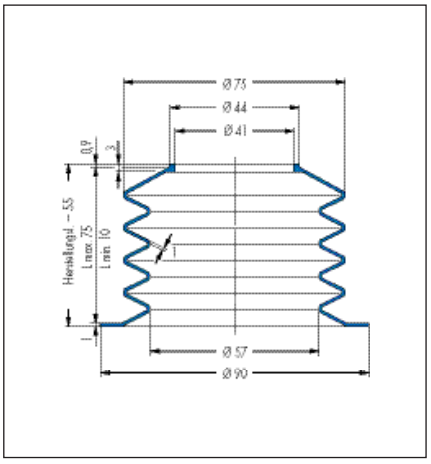
V6-801, Art.-Nr. 438557 (50 CR 879)/
440760 (42 CR 764)



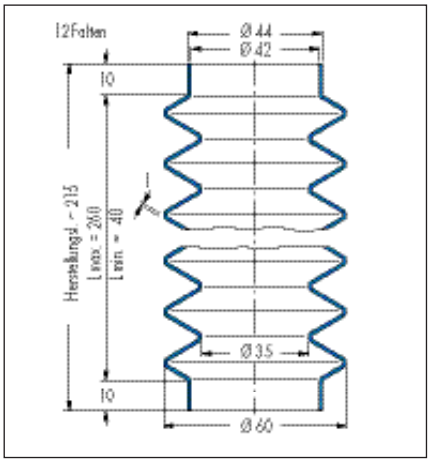
V6-72, Artikel-Nr. 434088



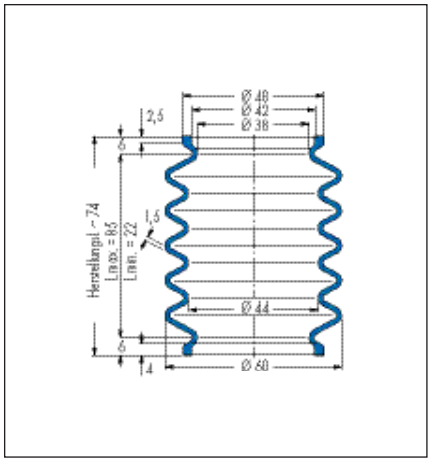
V6-92, Artikel-Nr. 434425



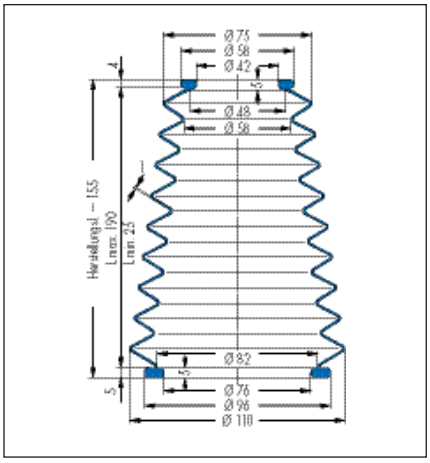
V6-700, Artikel-Nr. 153008



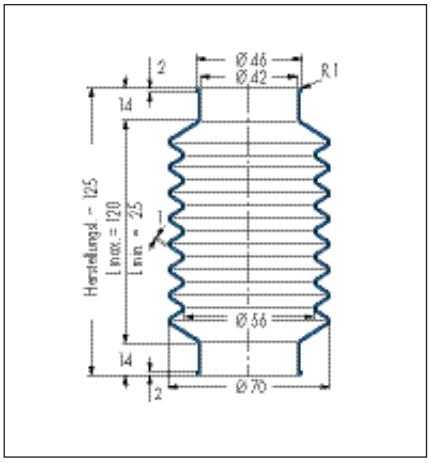
V6-637, Artikel-Nr. 438549



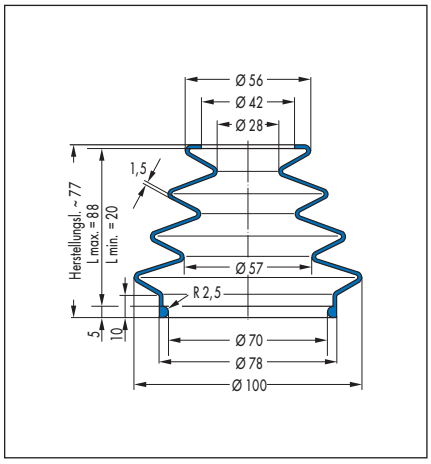
V6-268, Artikel-Nr. 432119



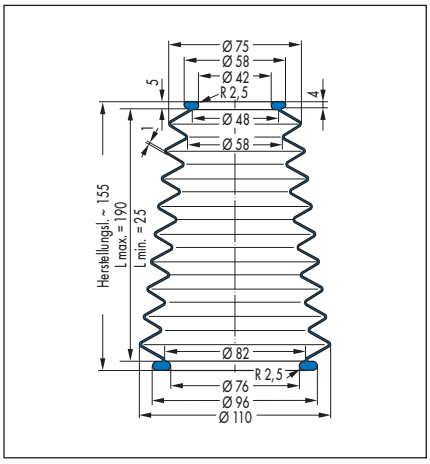
V6-328, Artikel-Nr. 432424 (42 CR 764)/
454213 (50 CR 879)



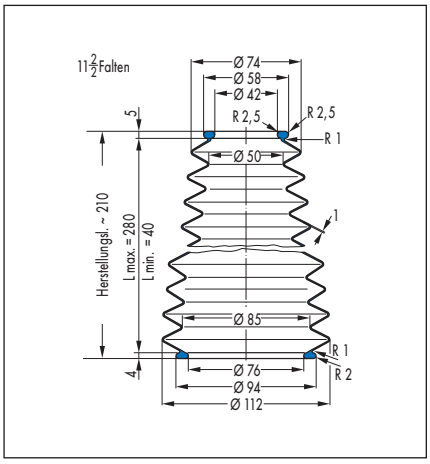
V6-536, Artikel-Nr. 426801



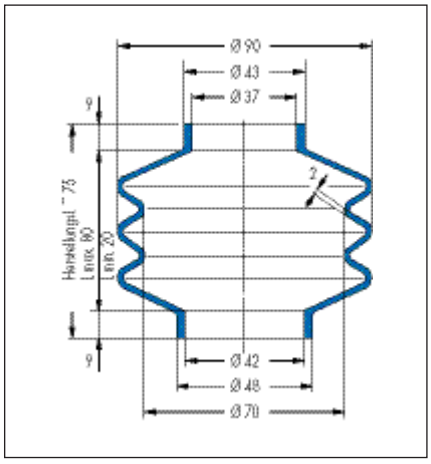
V6-20195, Artikel-Nr. 501096



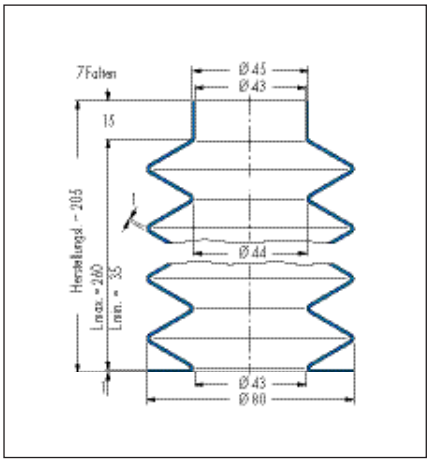
V6-328, Artikel-Nr. 432424 (42 CR 764)
454213 (50 CR 879)



V6-562, Artikel-Nr. 29741



V6-1030, Artikel-Nr. 400918



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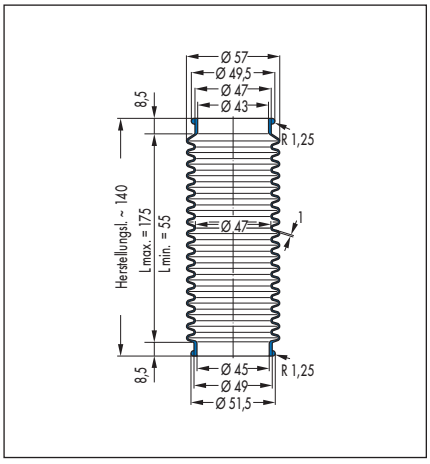

V6-449, Artikel-Nr. 456484

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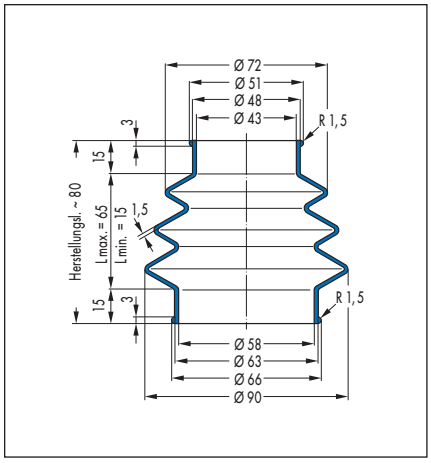
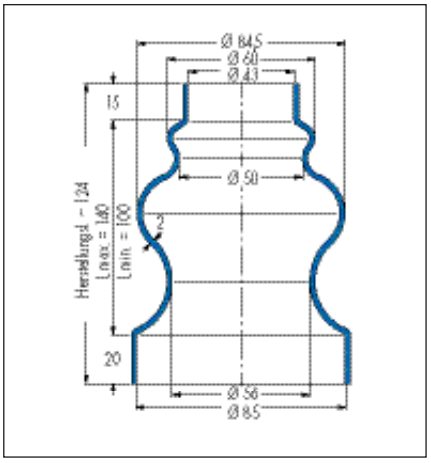


V6-853, Artikel-Nr. 465751



V6-12, Artikel-Nr. 426317 (42 CR 764)/
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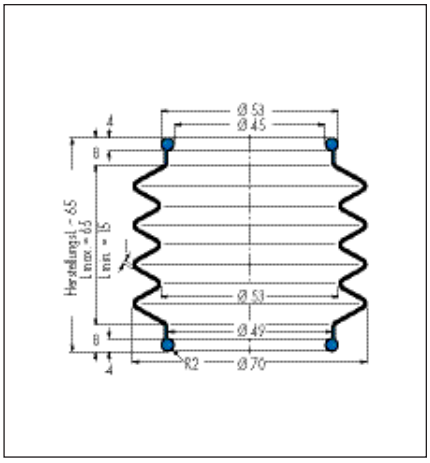
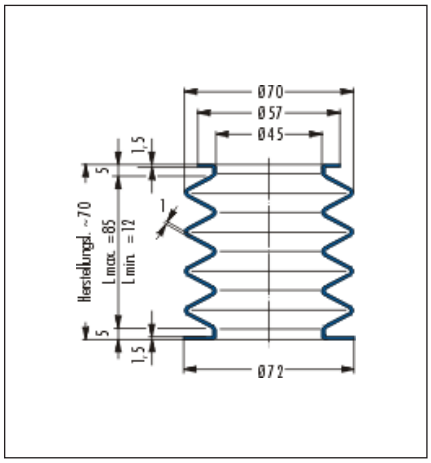
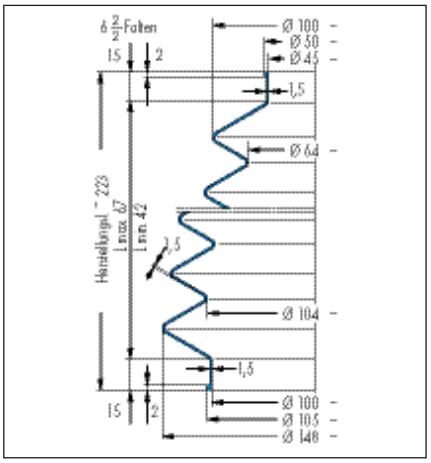


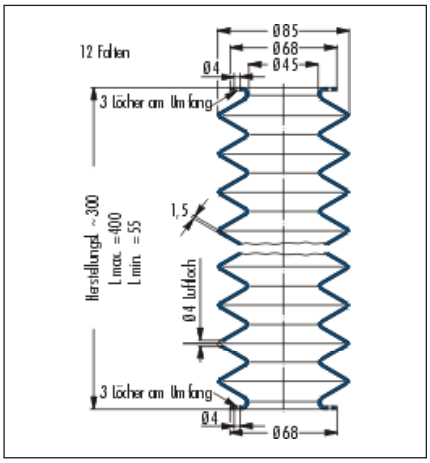
V6-784, Artikel-Nr. 432192



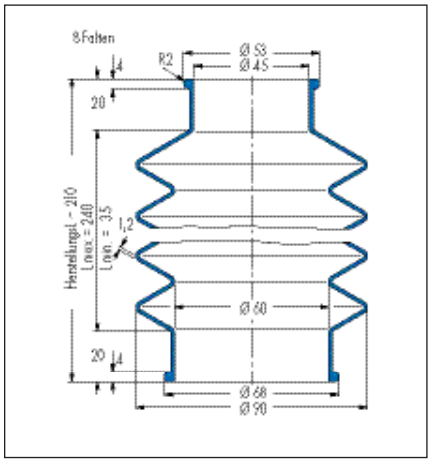
V6-967, Artikel-Nr. 89513



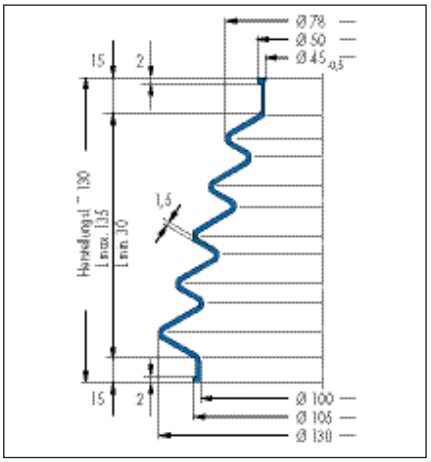
V6-1046, Artikel-Nr. 400920



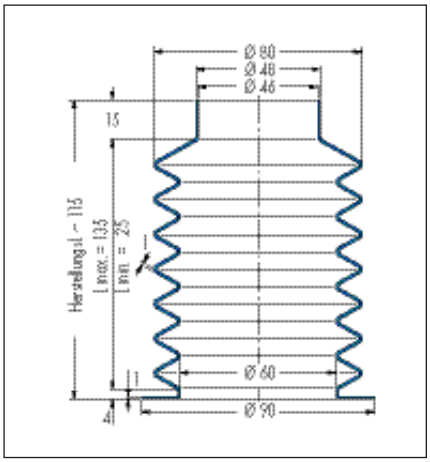
V6-1075, Artikel-Nr. 400934



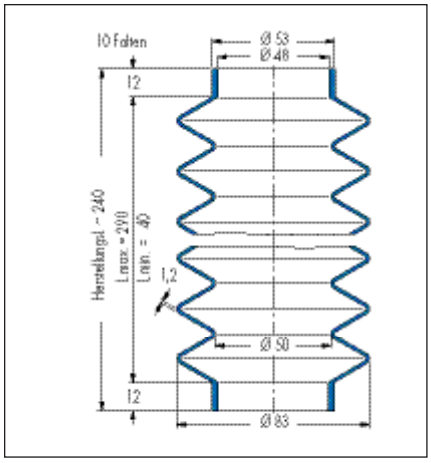
V6-593, Artikel-Nr. 439497 (42 CR 764)/
439499 (50 CR 879)



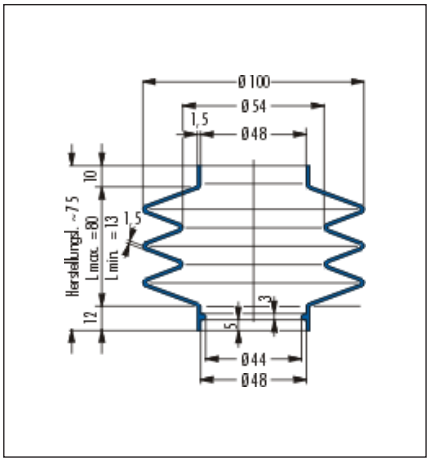
V6-1047, Artikel-Nr. 454226



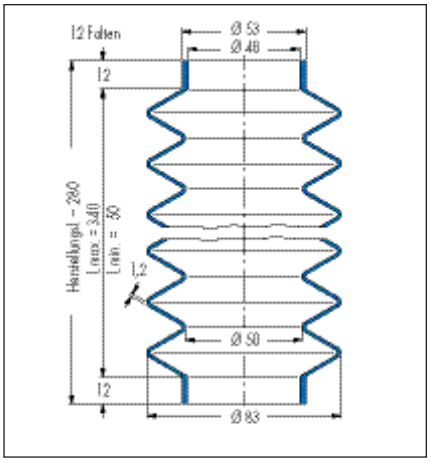
V6-466, Artikel-Nr. 430847



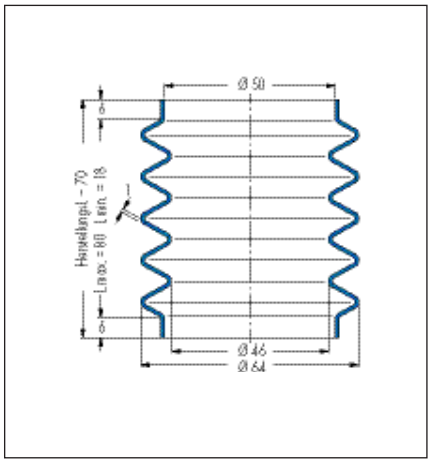
V6-1022, Artikel-Nr. 432696



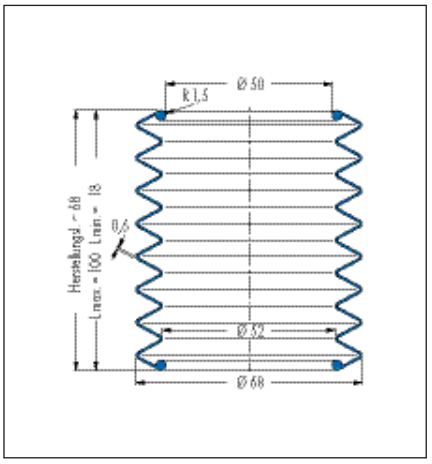
V6-1136, Artikel-Nr. 425266



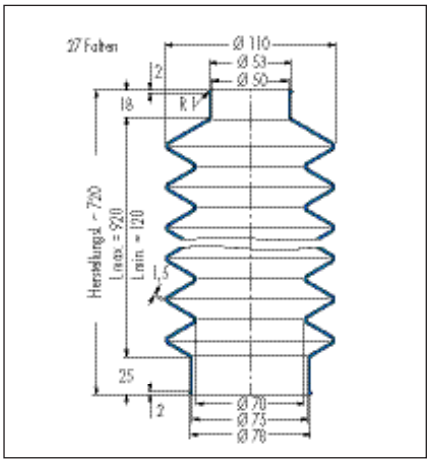
V6-1165, Artikel-Nr. 454248



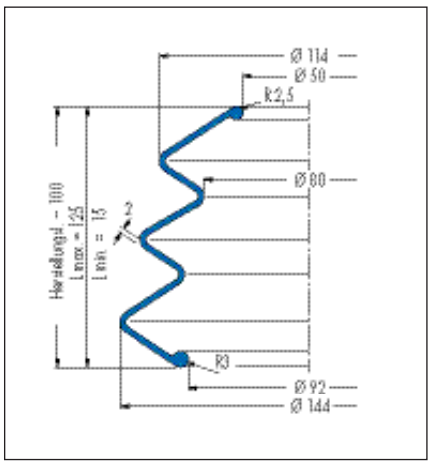
V6-541, Artikel-Nr. 25105



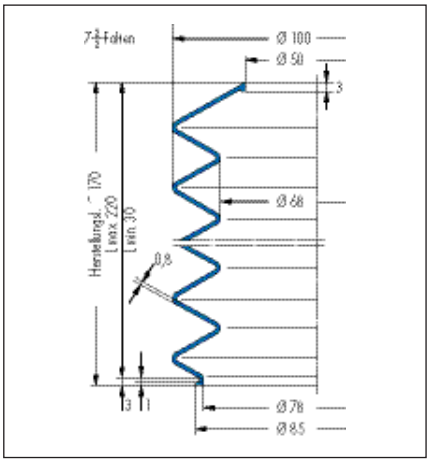
V6-742, Artikel-Nr. 426388



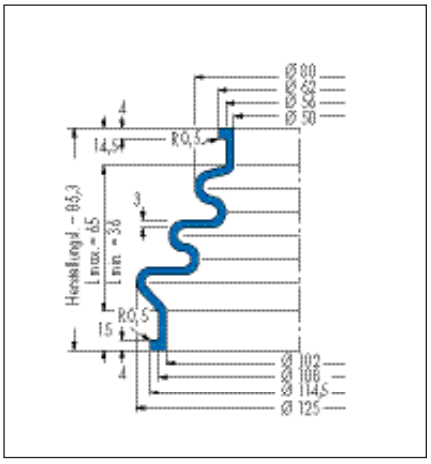
V6-723, Artikel-Nr. 29915



V6-821, Artikel-Nr. 25235



V6-1029, Artikel-Nr. 20231



V6-91, Artikel-Nr. 456482

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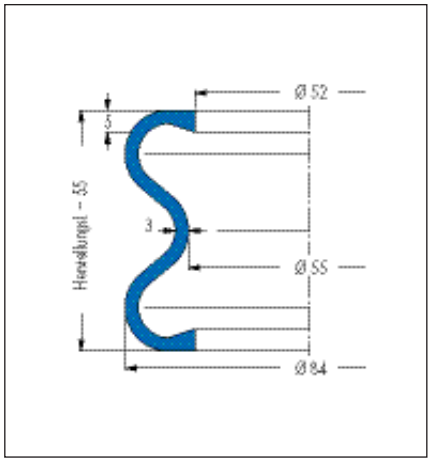
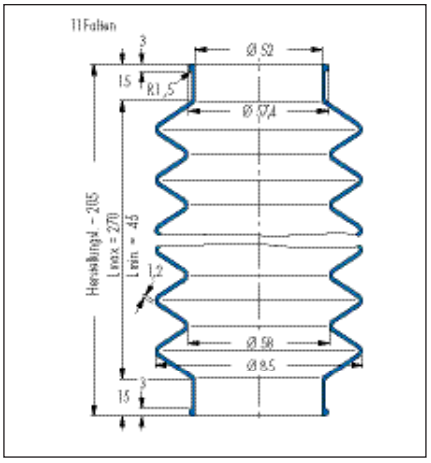
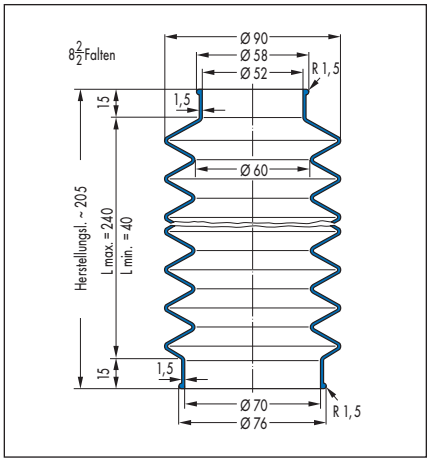


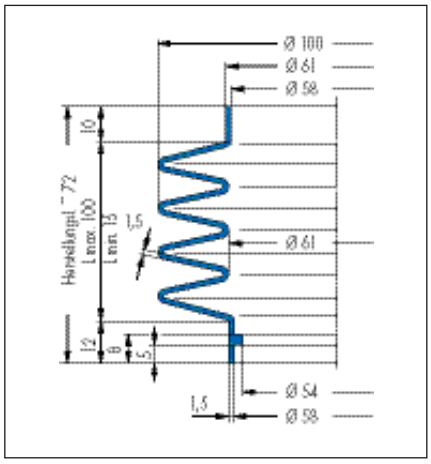
V6-291, Artikel-Nr. 440381



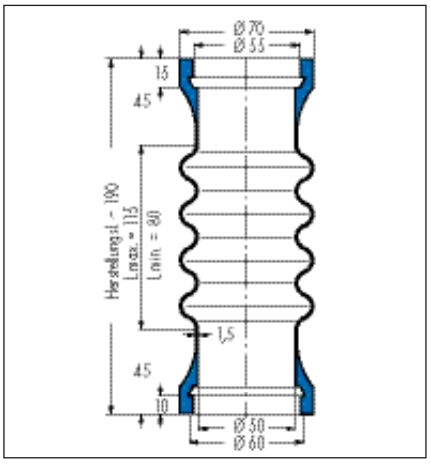
V6-987, Art.-Nr. 440232 (50 CR 879)/
440233 (42 CR 764)



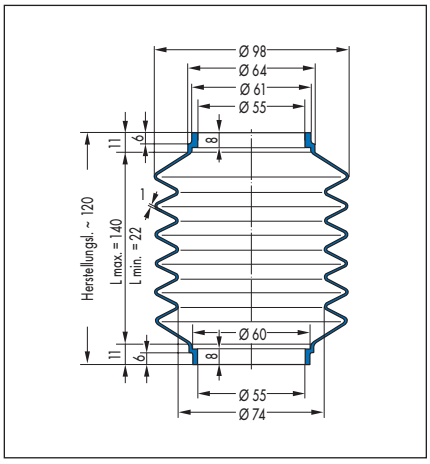
V6-976, Artikel-Nr. 429665



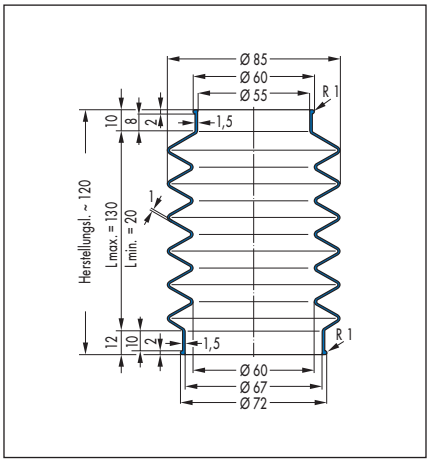
V6-1064, Artikel-Nr. 453735



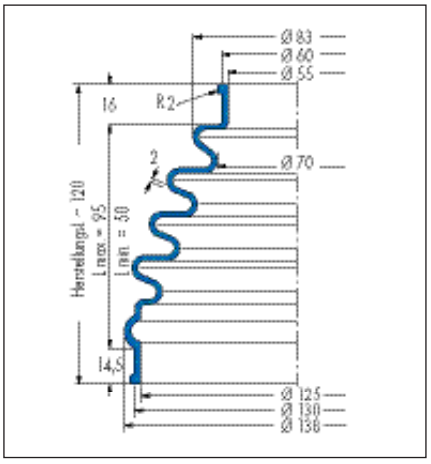
V6-226, Artikel-Nr. 439437



V6-577, Artikel-Nr. 439496



V6-740, Artikel-Nr. 430860



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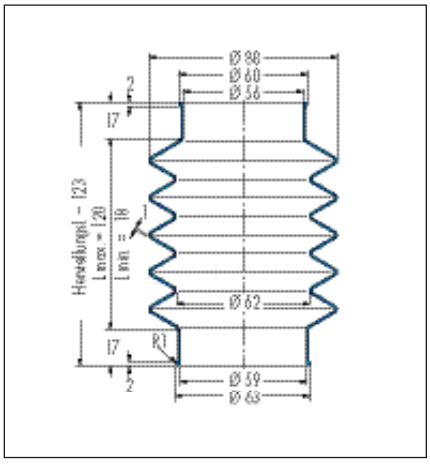
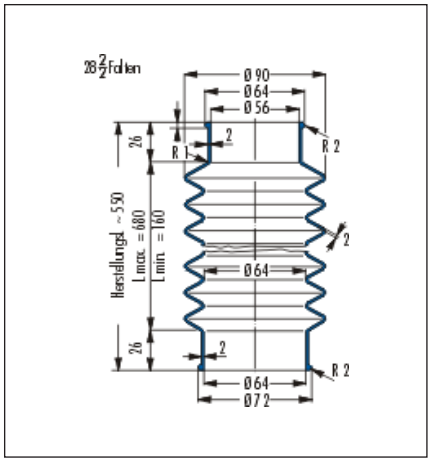
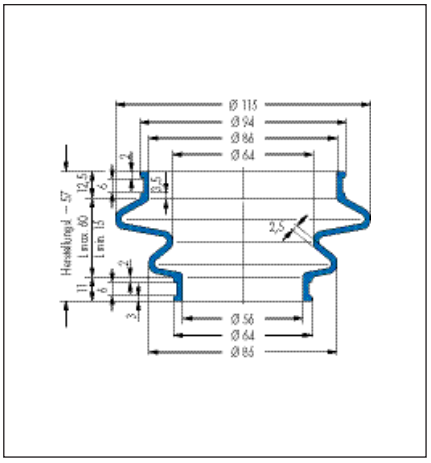


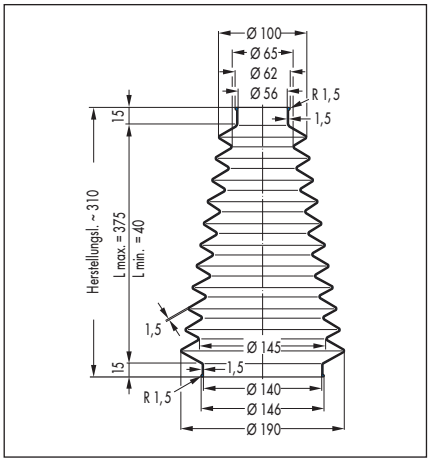
V6-153, Artikel-Nr. 426797



V6-519, Artikel-Nr. 29705



V6-779, Artikel-Nr. 360138



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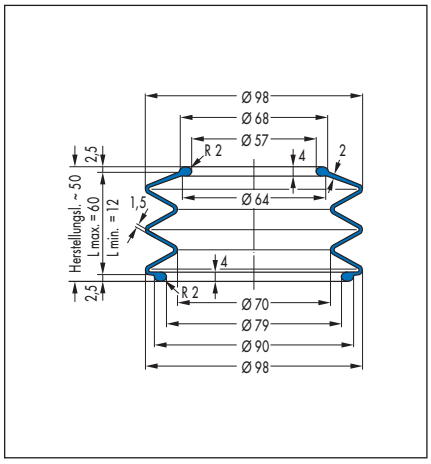

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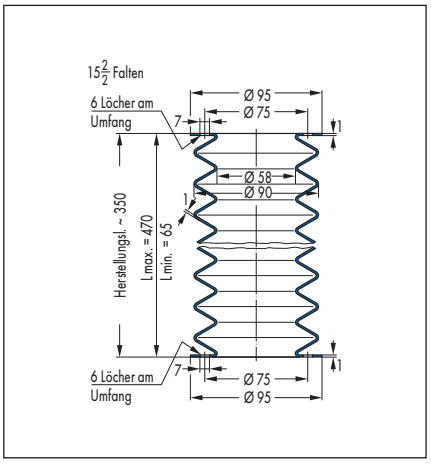

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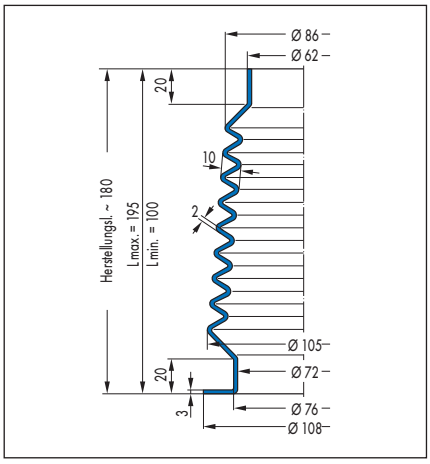

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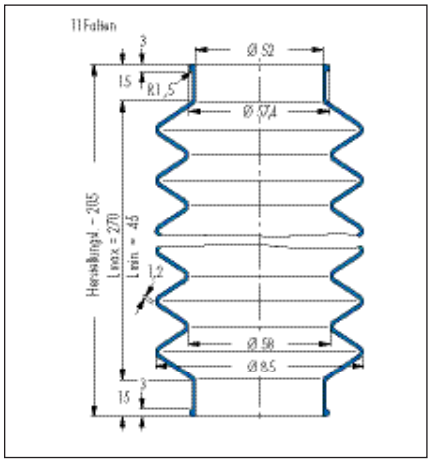

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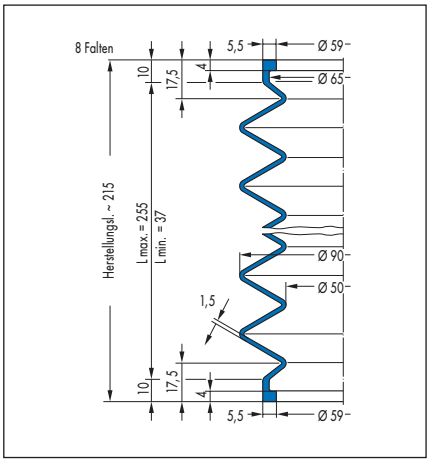

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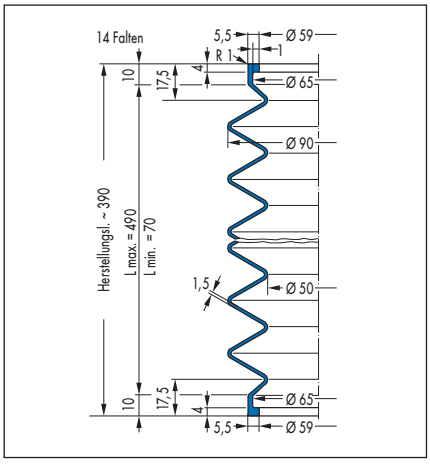

V6-910, Artikel-Nr. 103132

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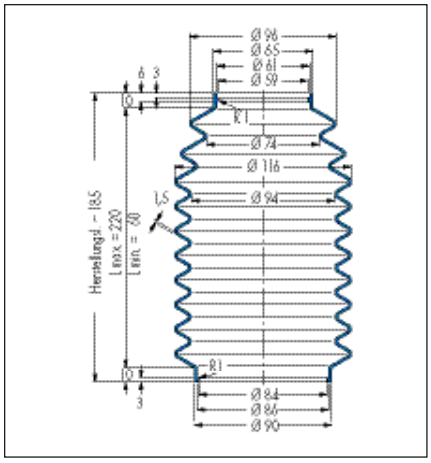

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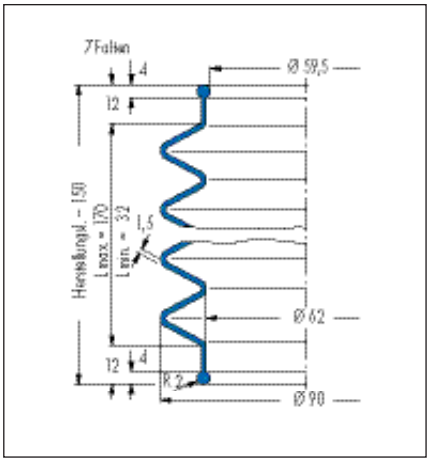
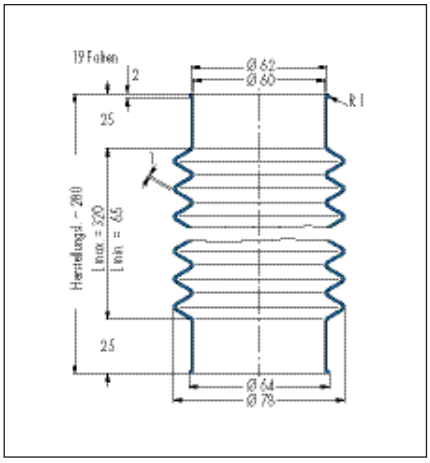


V6-260, Artikel-Nr. 434071



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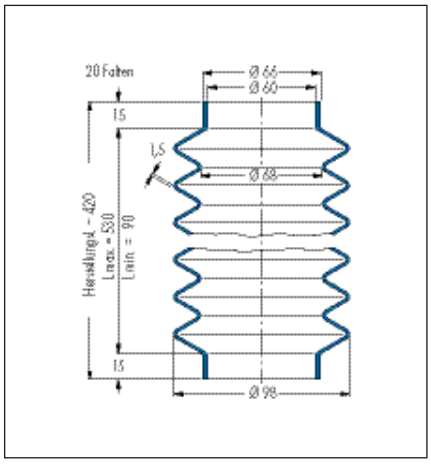
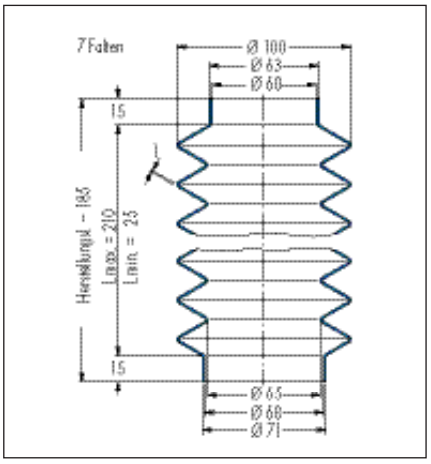
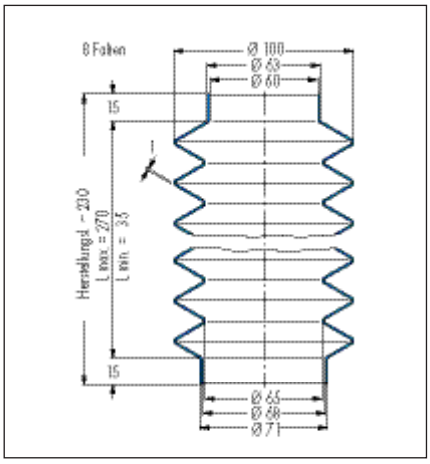


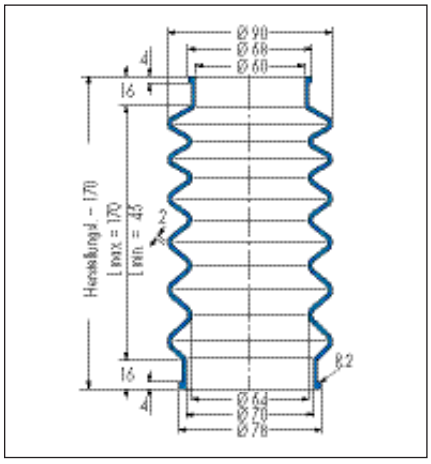
V6-450, Artikel-Nr. 29652



V6-375, Artikel-Nr. 428321



V6-400, Artikel-Nr. 438535



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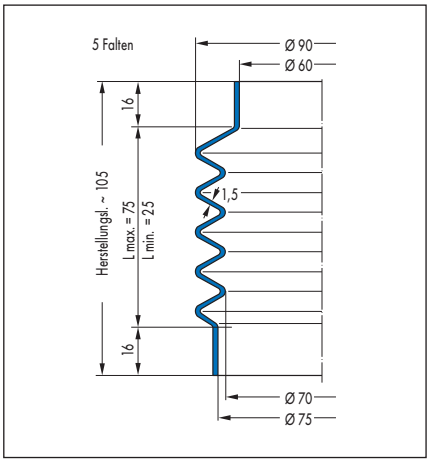

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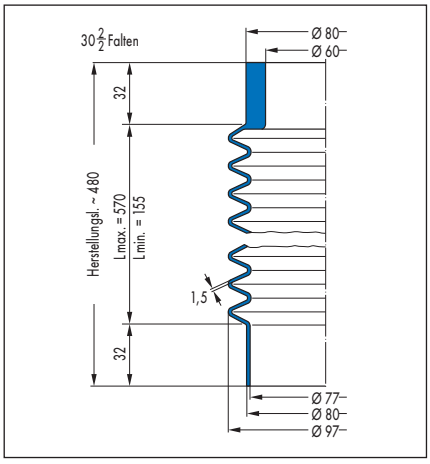
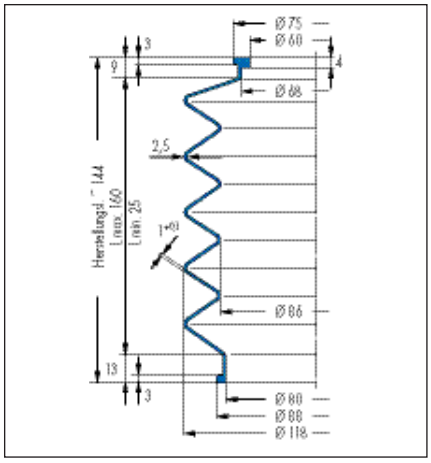
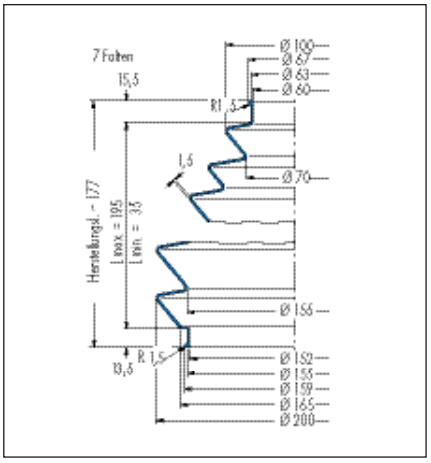


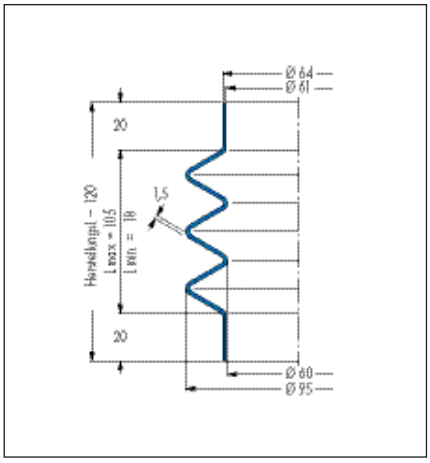
V6-1018, Artikel-Nr. 454225



V6-1049, Artikel-Nr. 454227



V6-444, Artikel-Nr. 29643



V6-99, Artikel-Nr. 434091 (NBR)/
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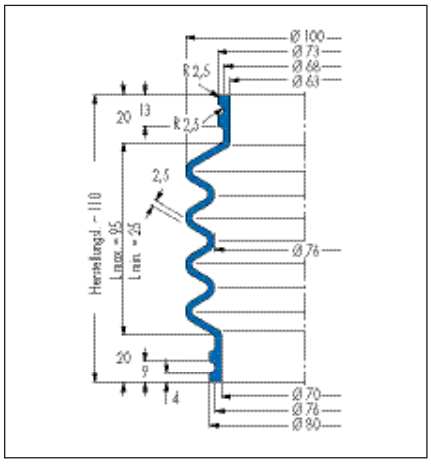
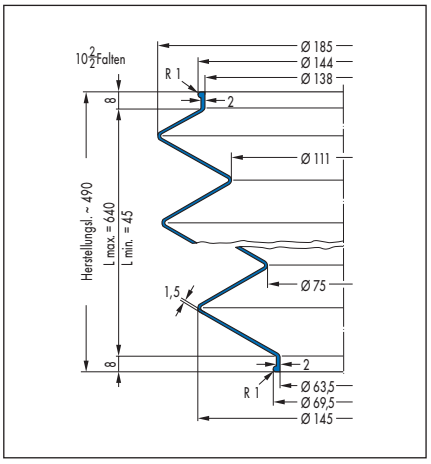


V6-242, Artikel-Nr. 439438



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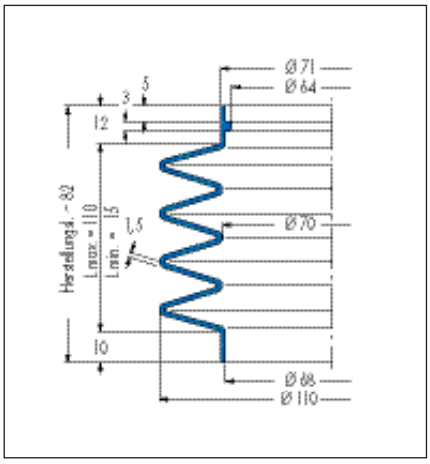

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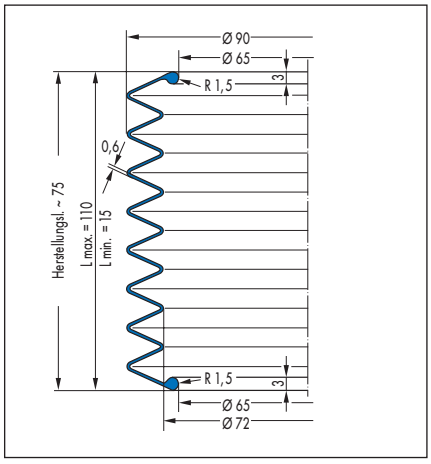

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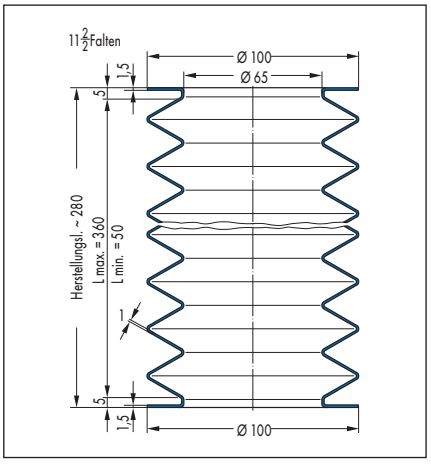

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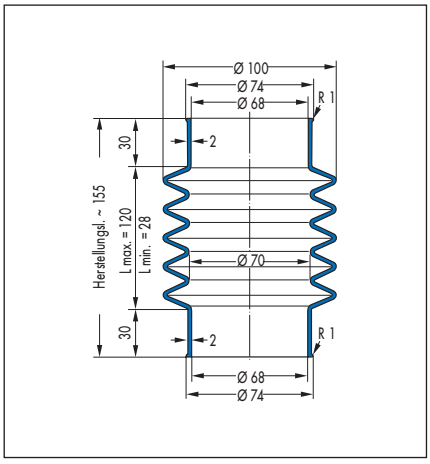

V6-497, Artikel-Nr. 101244

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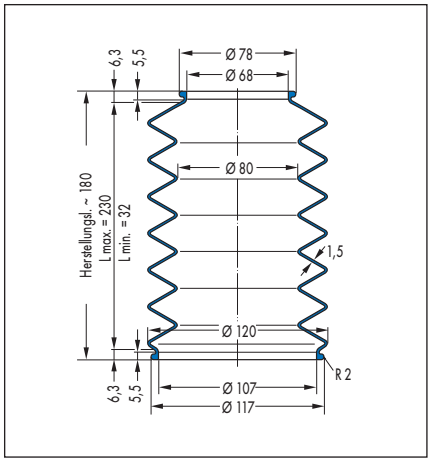
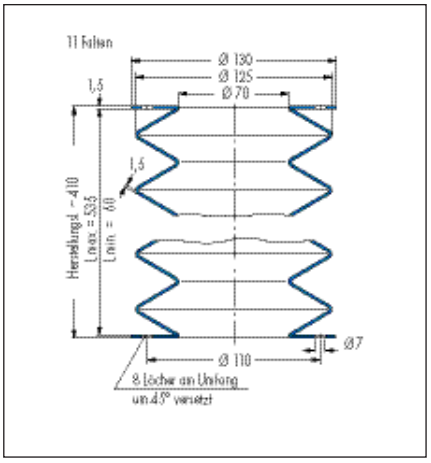
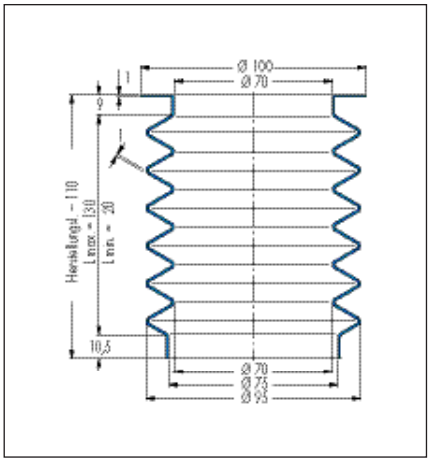


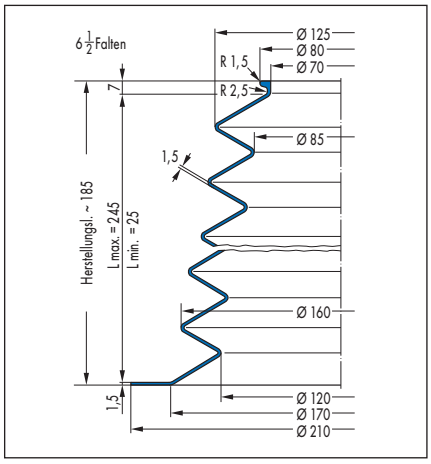
V6-329, Artikel-Nr. 428309



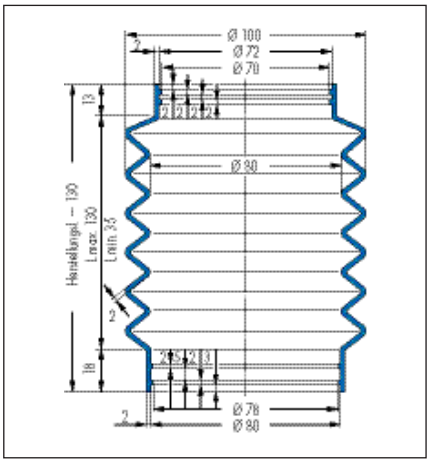
V6-424, Artikel-Nr. 29620



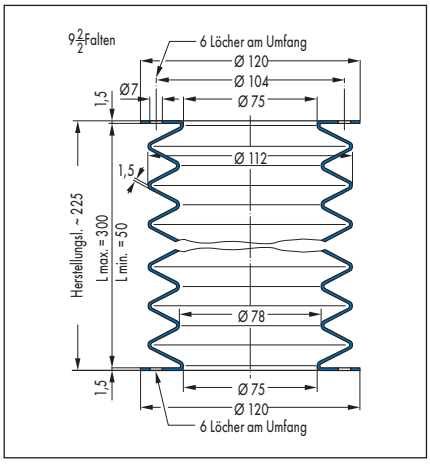
V6-638, Artikel-Nr. 29803



V6-1033, Artikel-Nr. 10596



V6-477, Artikel-Nr. 400709



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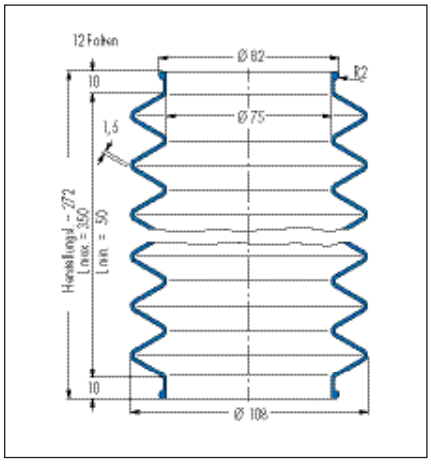
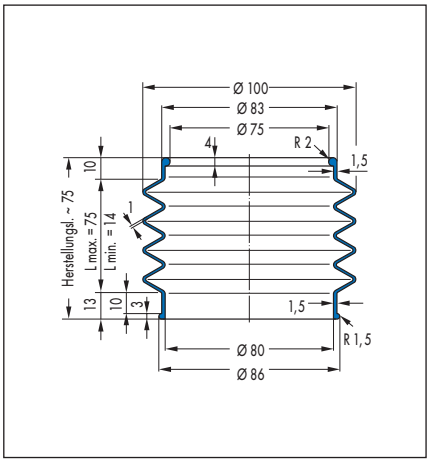
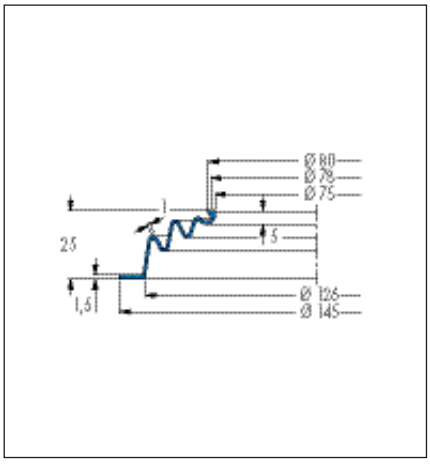


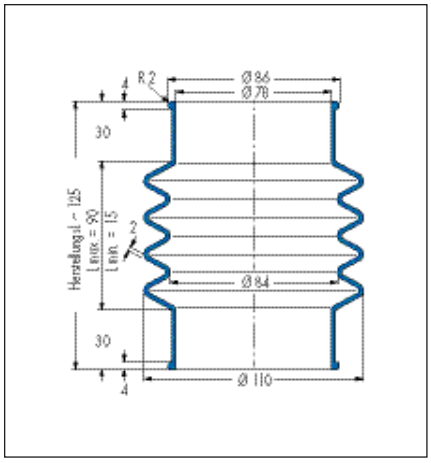
V6-93, Artikel-Nr. 440343



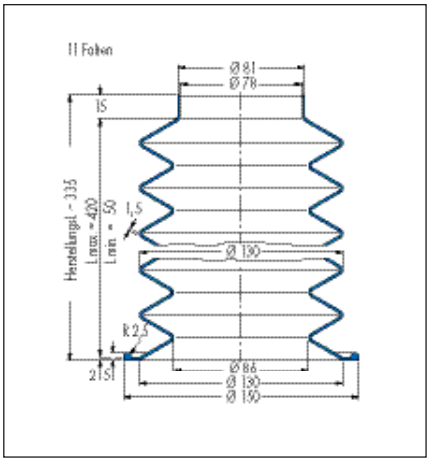
V6-934, Artikel-Nr. 382212



V6-441, Artikel-Nr. 434020



V6-501, Art.-Nr. 438944 (50 CR 879)/
438946 (42 CR 764)



V6-520, Artikel-Nr. 25100
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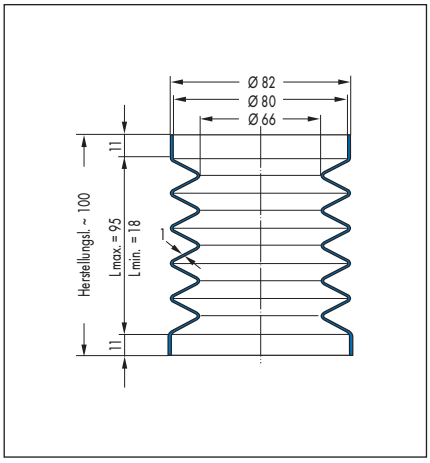

V6-141, Artikel-Nr. 451746 (42 CR 764)/
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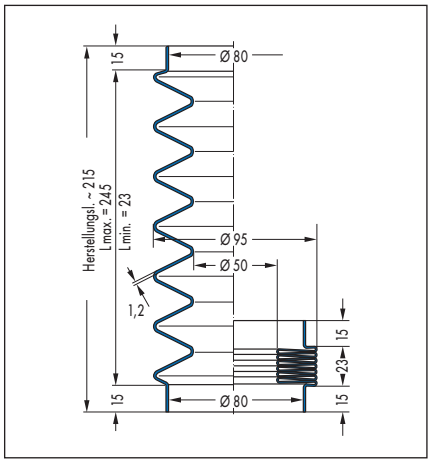
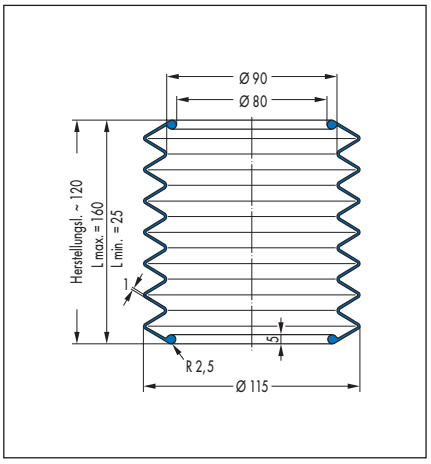
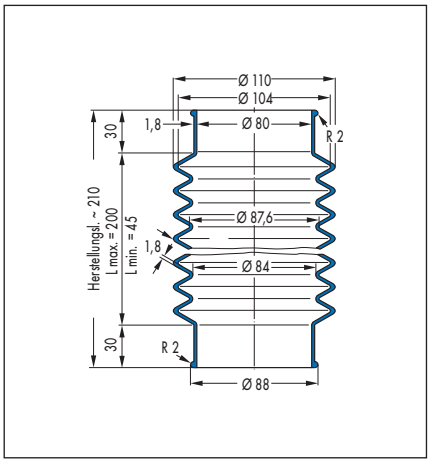


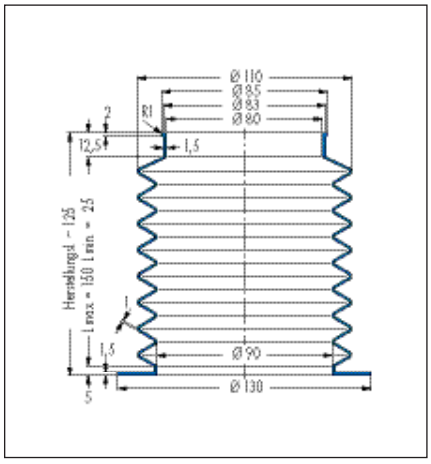
V6-115, Artikel-Nr. 29283



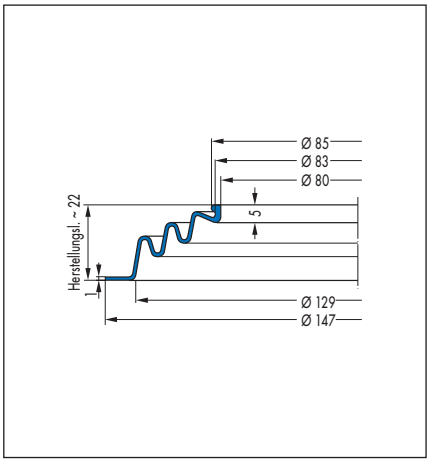
V6-1079, Artikel-Nr. 454232



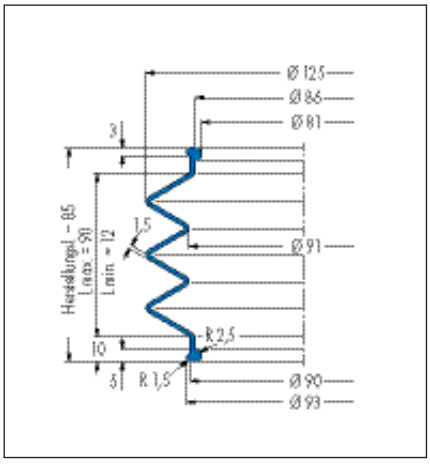
V6-476, Artikel-Nr. 61279



V6-963, Artikel-Nr. 454221



V6-846, Artikel-Nr. 307856



V6-633, Artikel-Nr. 426324

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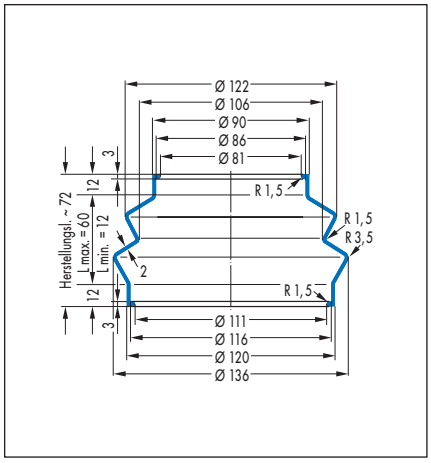

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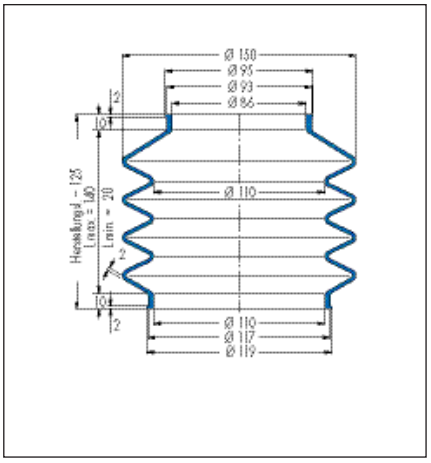
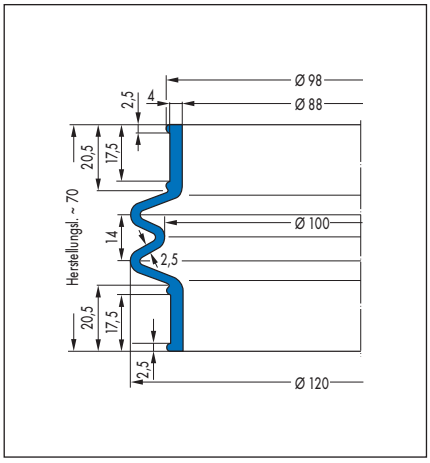


V6-643, Artikel-Nr. 29807



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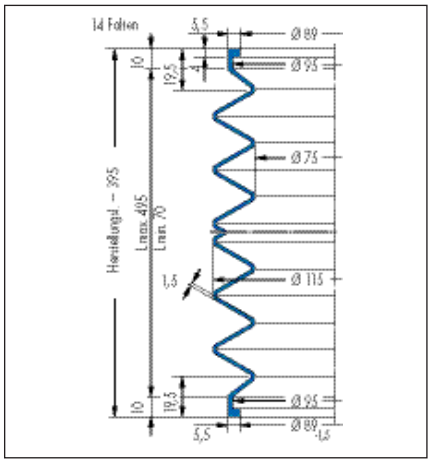

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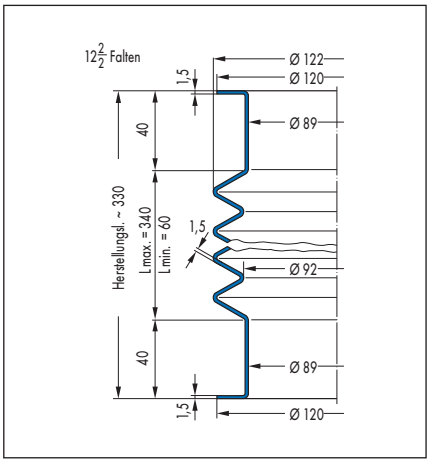

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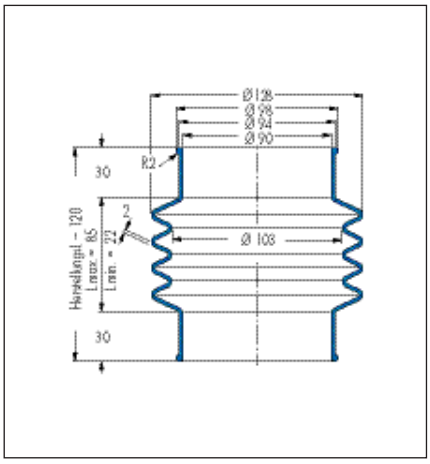

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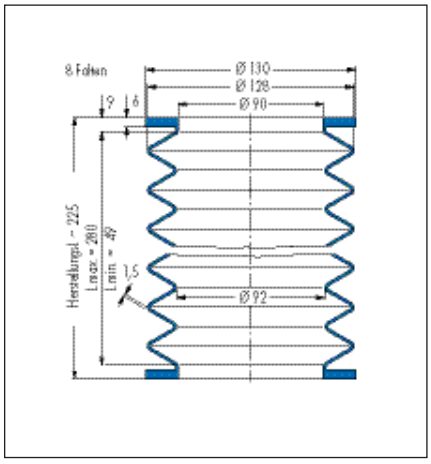

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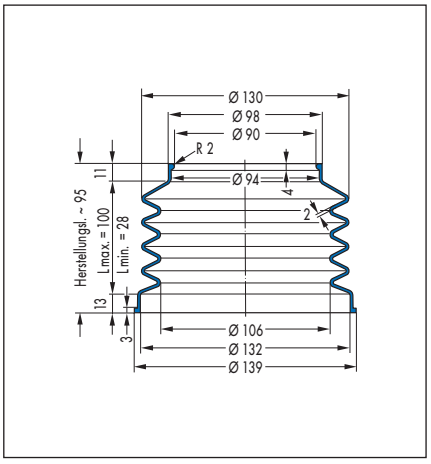

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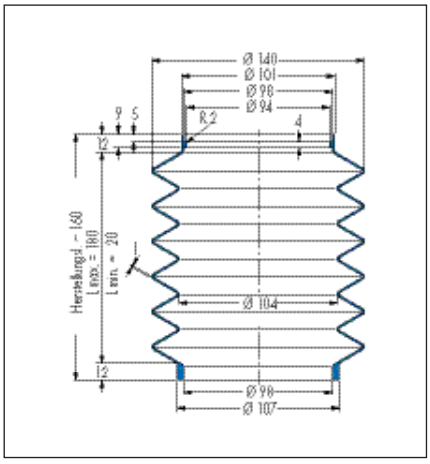

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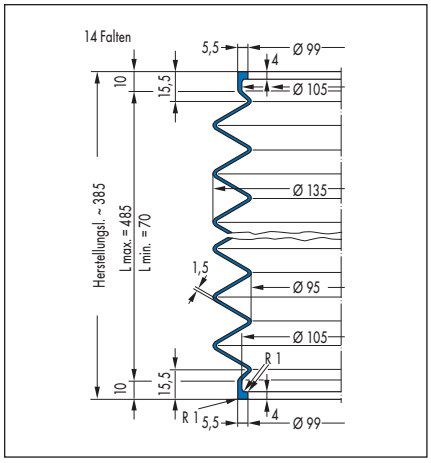

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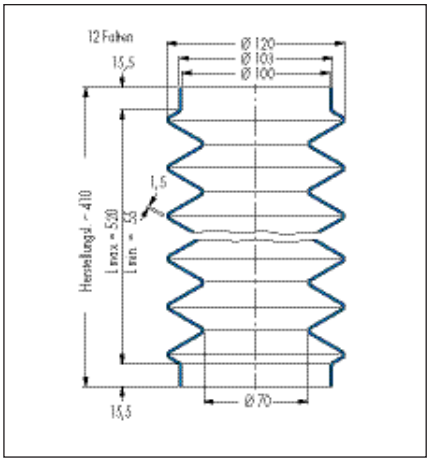

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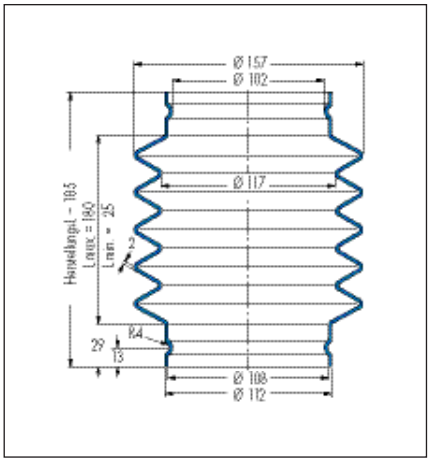

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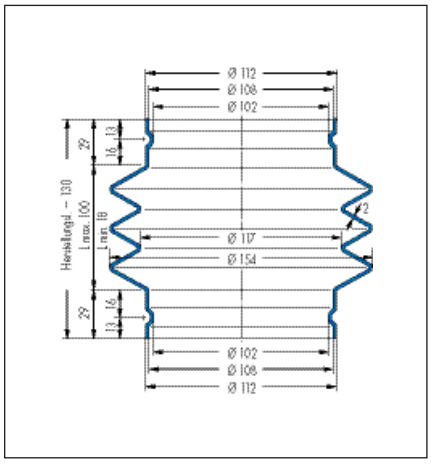

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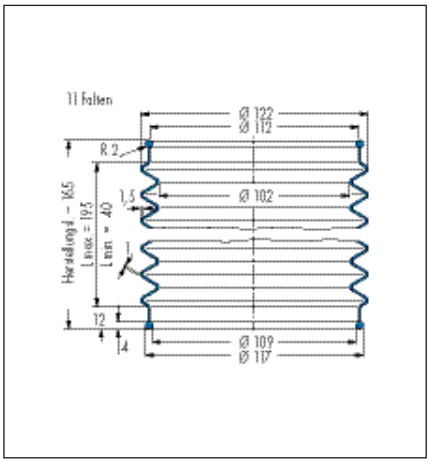

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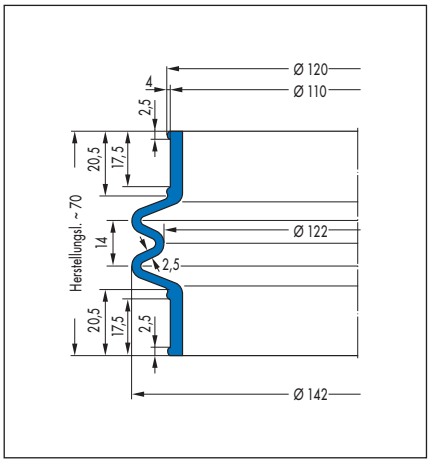

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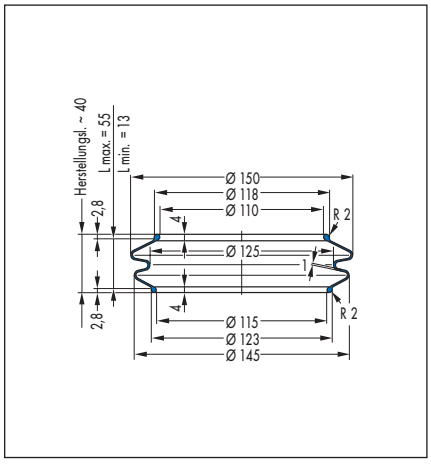

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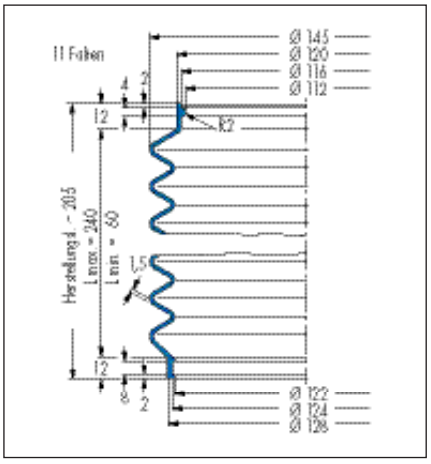

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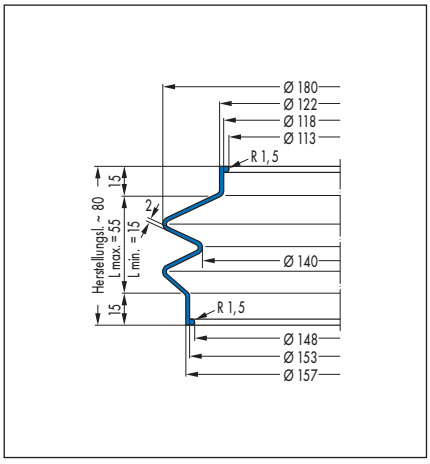

V6-443, Artikel-Nr. 1065

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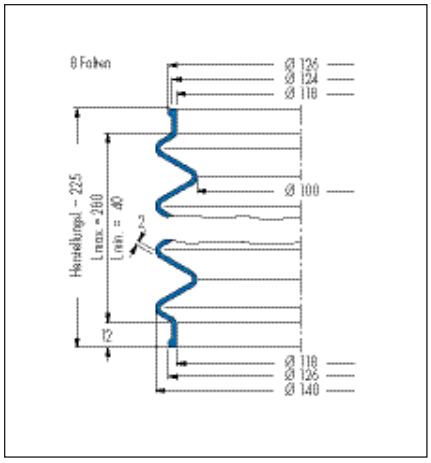

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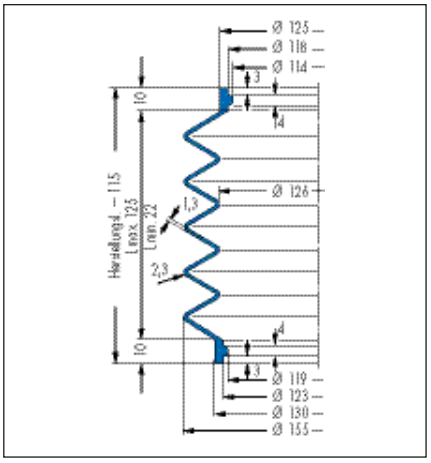

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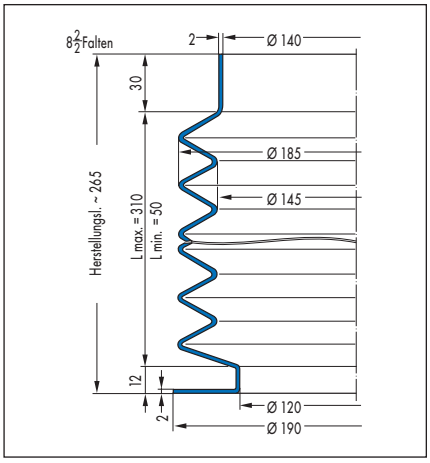

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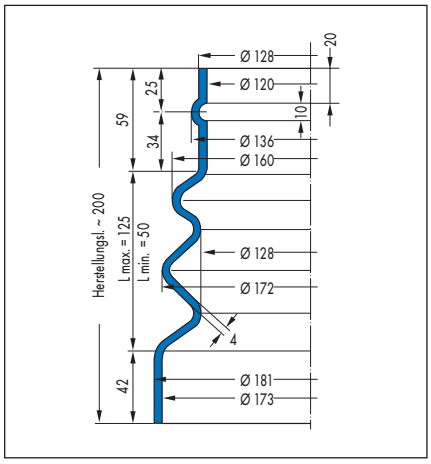

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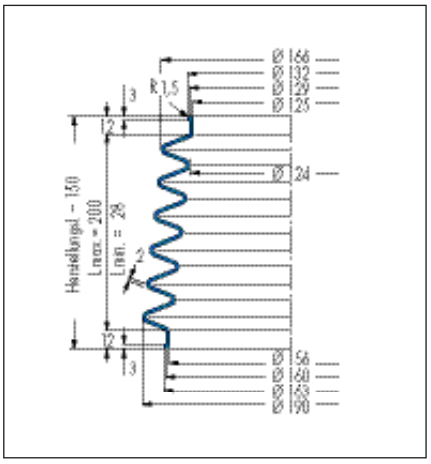

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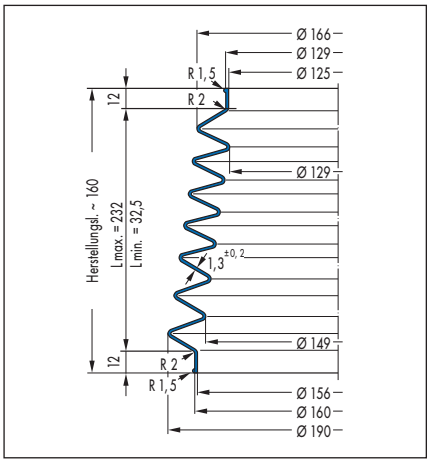

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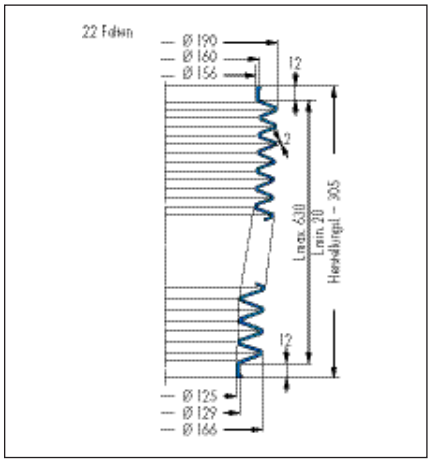

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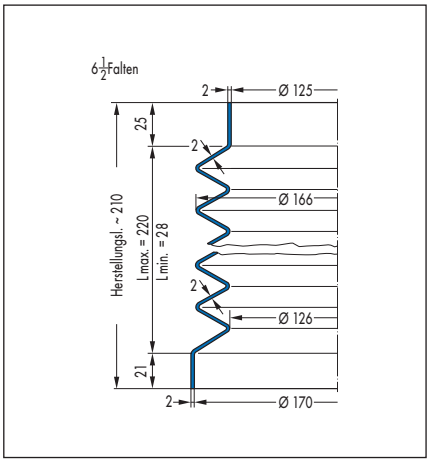

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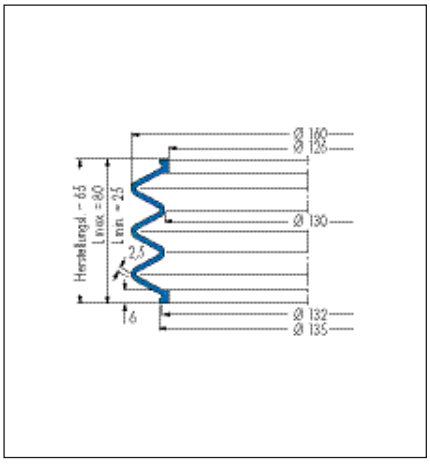

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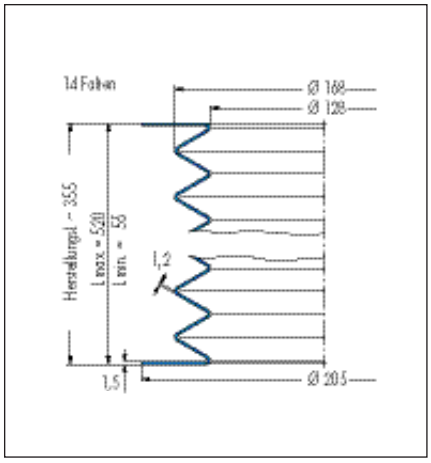

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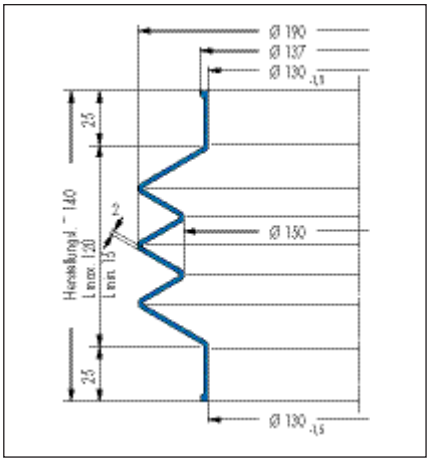

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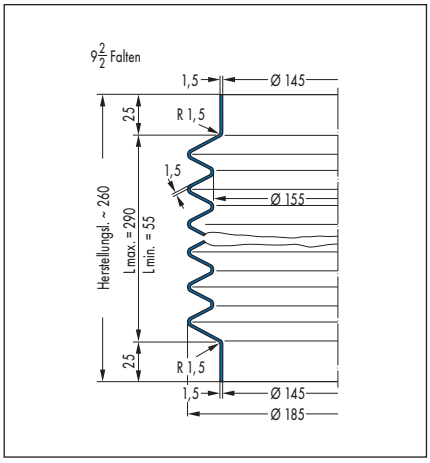

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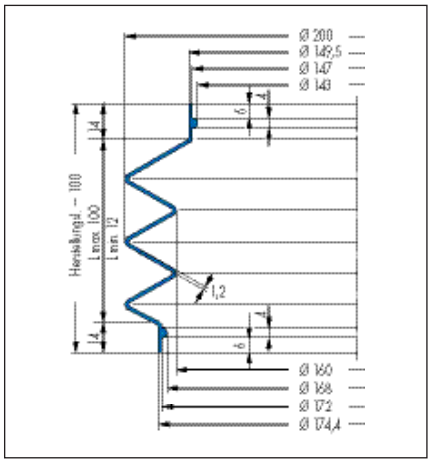

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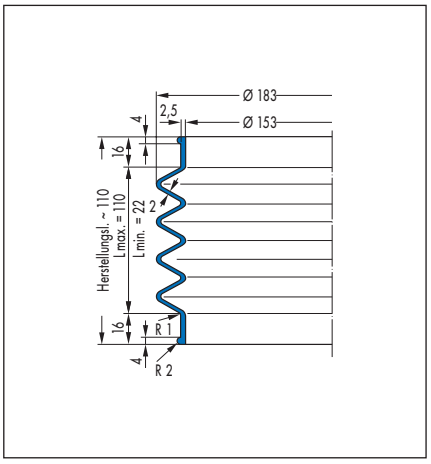

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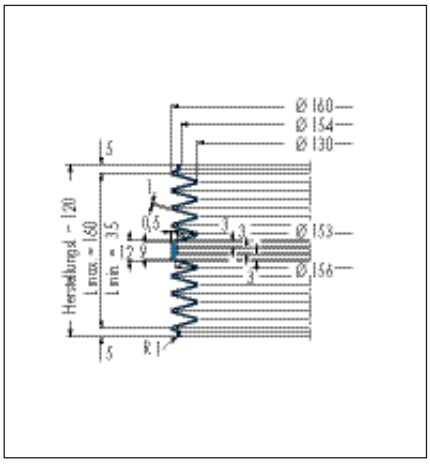

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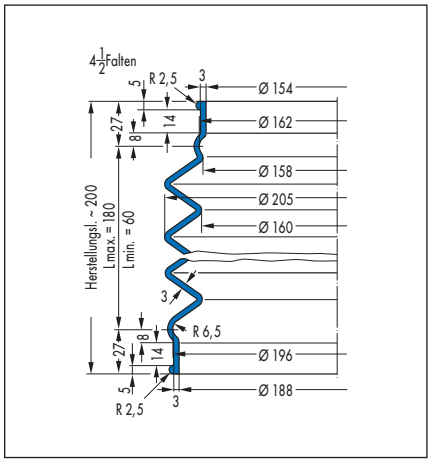

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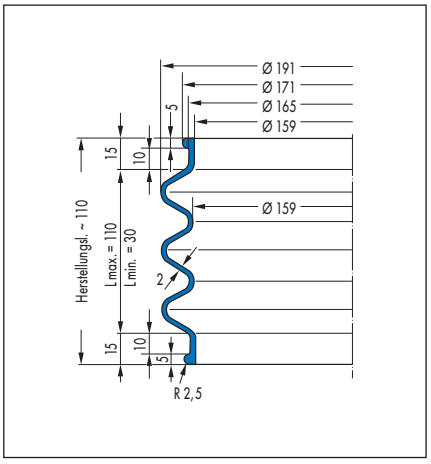

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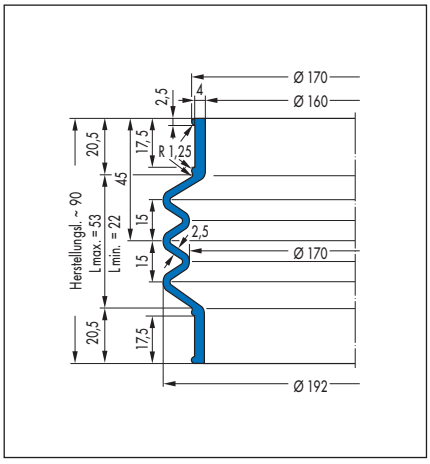

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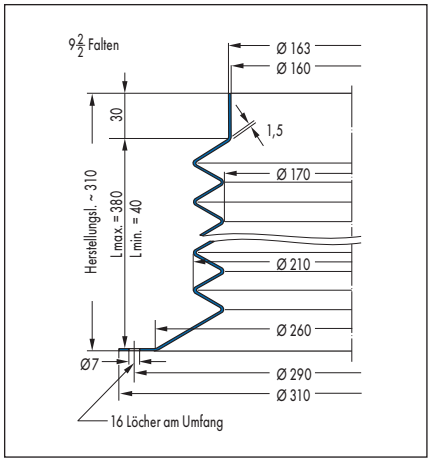

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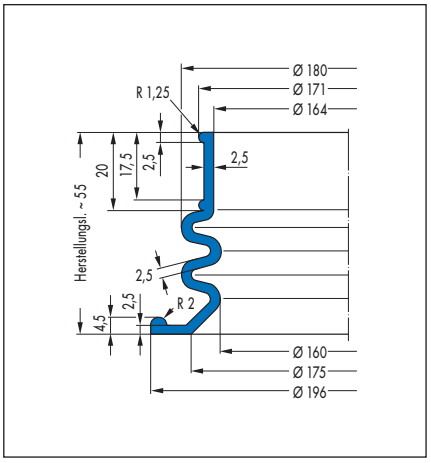

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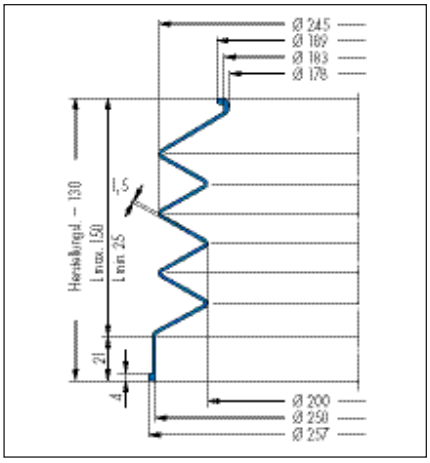

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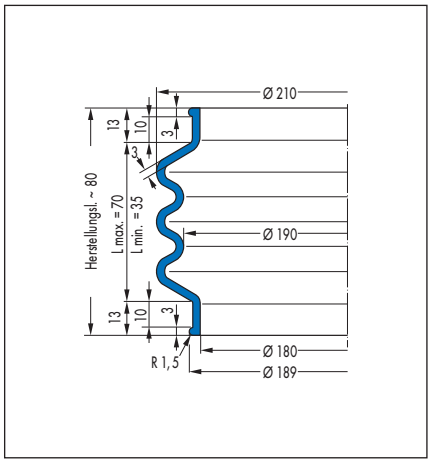

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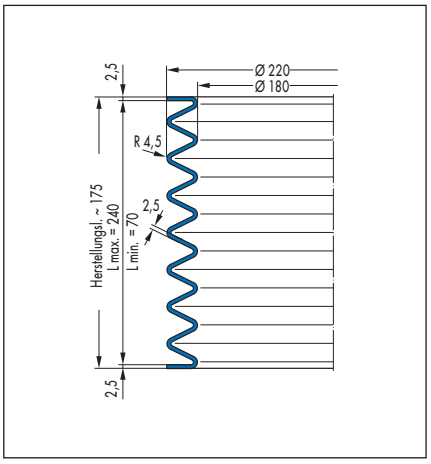

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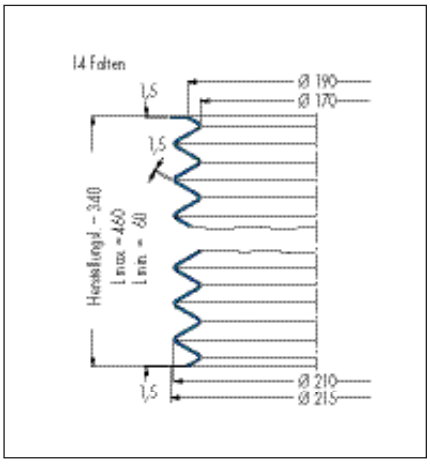

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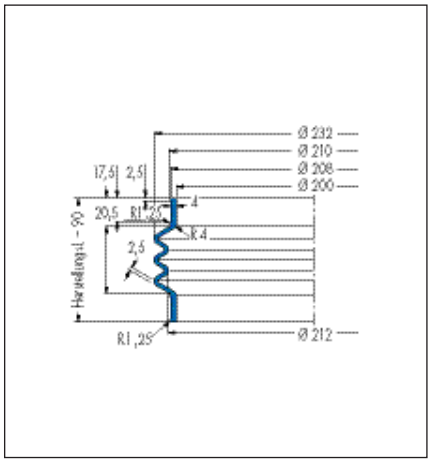

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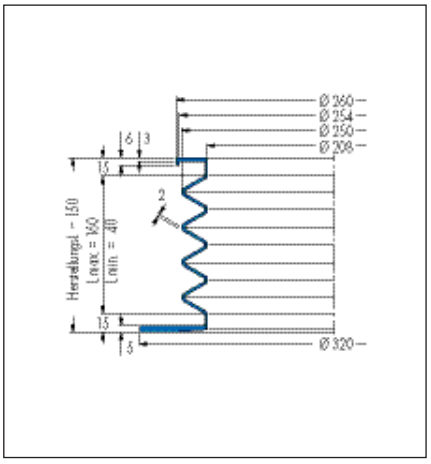

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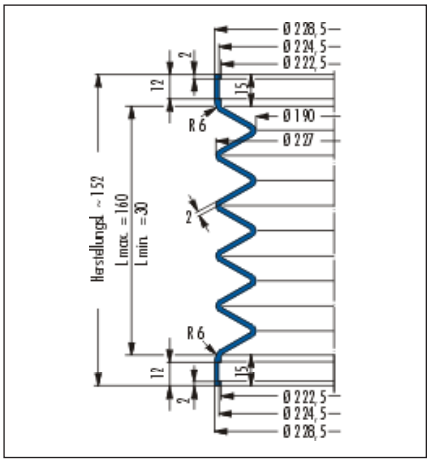

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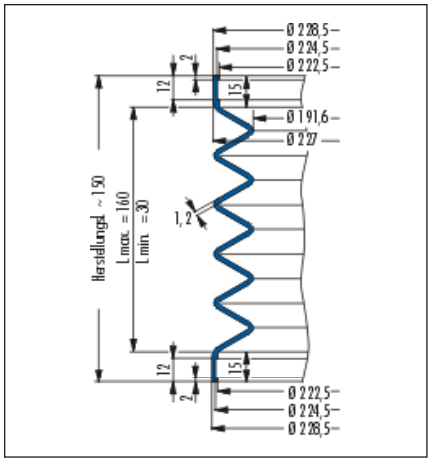

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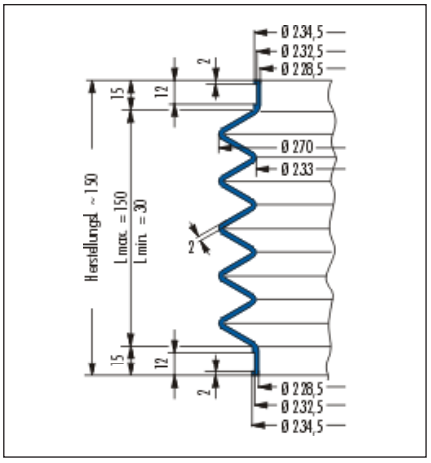

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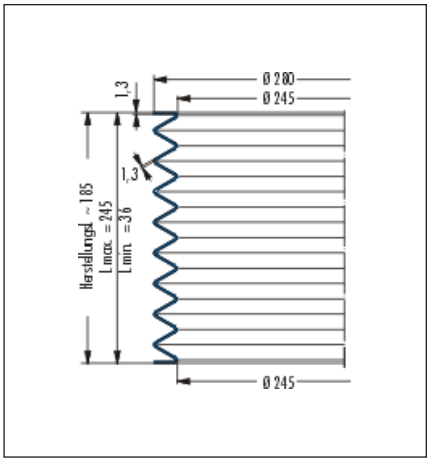

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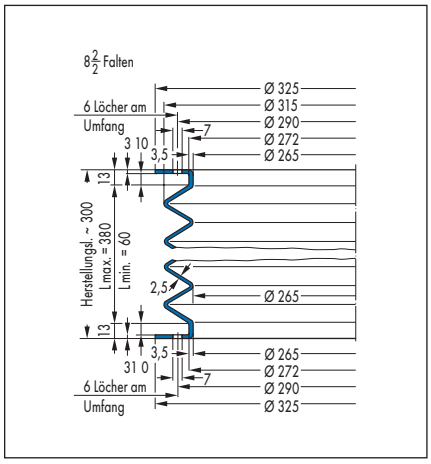

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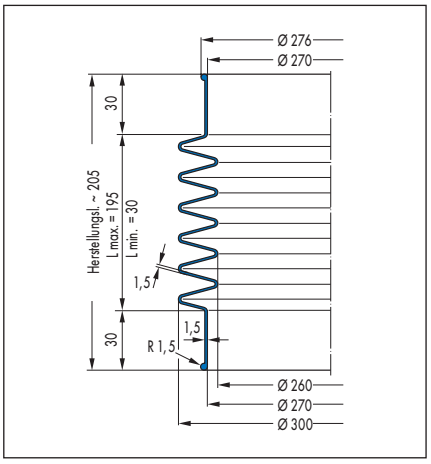

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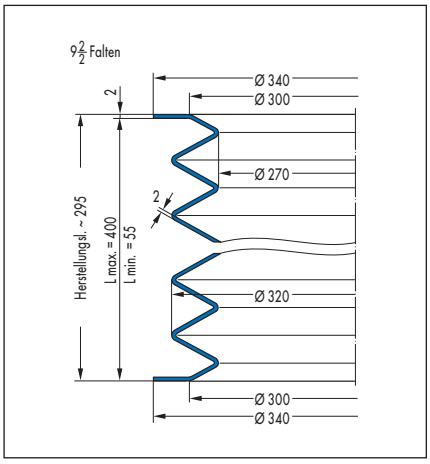
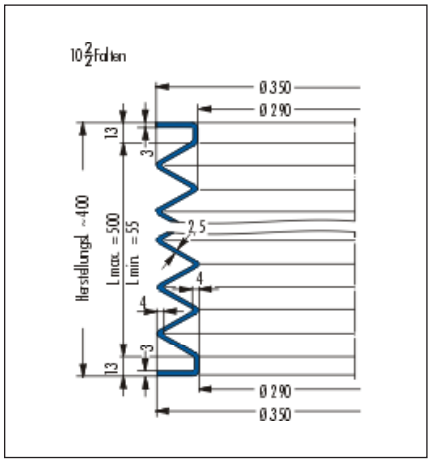


V6-766, Artikel-Nr. 36412



V6-732, Artikel-Nr. 510580

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