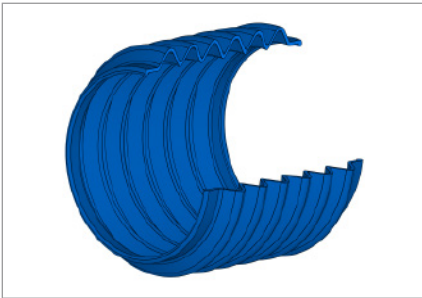


MEHRFALTENBALG



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 Balgeometrien stehen dem Anwender schnell und kostengünstig zur Verfügung.

Anwendungsbereich

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

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

EINSATZBEREICH

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

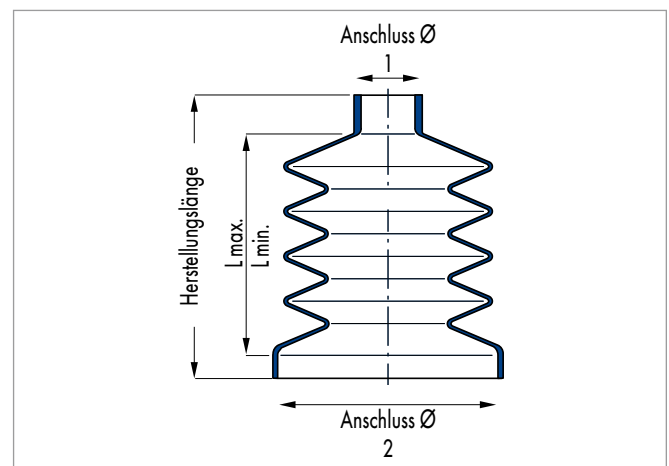
Bei den in der Tabelle aufgeführten Werten handelt es sich um Richtwerte. → Technisches Handbuch.

EINBAU UND 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.

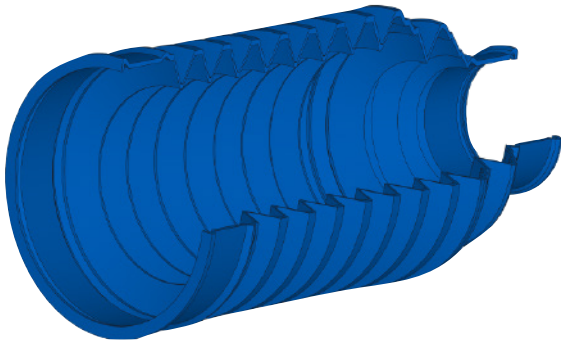
Eine Belastung des Balges durch Torsion sollte vermieden werden.

Weitere Hinweise zum Einbau: → Technisches Handbuch.



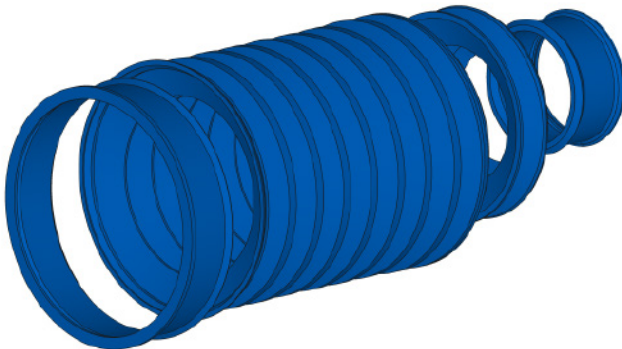
Maßskizze Mehrfaltbalg

MODULARE FALTENBÄLGE AUS TPE



PRODUKTBESCHREIBUNG

Einen Teil des Katalogportfolios bilden die modularen TPE-Bälge. Dies sind Mehrfaltenbälge aus thermoplastischem Elastomer, die nach dem Baukastenprinzip aufgebaut werden. Die Bälge können mittels verschiedener Werkzeugeinsätze in der Herstelllänge (85 bis 200 mm), dem Außendurchmesser (in den Abstufungen Ø50, Ø63, Ø80, Ø100 und Ø125) und den Anschlussbereichen variieren und können so genau auf die Anwendung beim Kunden angepasst werden. Abweichende Herstelllängen und feinere Abstufungen der Außendurchmesser sind auf Anfrage möglich.



Beispielhafte Abbildung eines modularen TPE-Balgs

PRODUKTVORTEILE

Der Kunde erhält die Möglichkeit, sich den gewünschten Balg passgenau wie aus einem Baukasten zu erstellen. Anschlüsse, Faltenbereich und Länge sind individuell auswählbar, wodurch ein breitgefächerter Anwendungsbereich ermöglicht wird.

Die Faltentiefe, -breite und die Anschlussbereiche werden von Freudenberg in Abhängigkeit der Kundenvorgaben für den konkreten Anwendungsfall ausgestaltet.

Durch das modulare Werkzeugkonzept sind verschiedene Lösungen realisierbar und ermöglichen eine Kostenersparnis für Folgeprojekte des Kunden.

Die technischen Vorteile von TPE gegenüber Elastomer-Bälgen liegen vor allem in der erhöhten Lebensdauer und der erhöhten Ozonbeständigkeit.

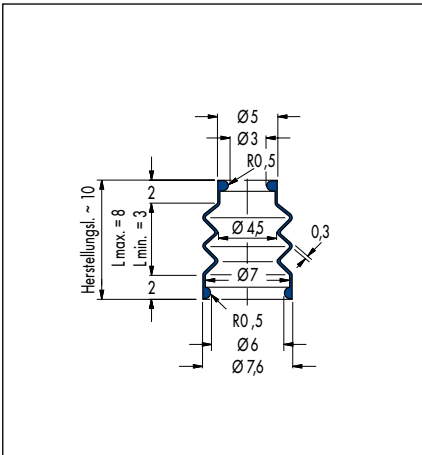
ANWENDUNGSBEREICH

- Kardangelenke
- Kolbenstangen
- Joy-Sticks
- Verbindung von Rohrleitungsenden zum Ausgleich des Bewegungsspiels
- Auflaufbremse von Hängern

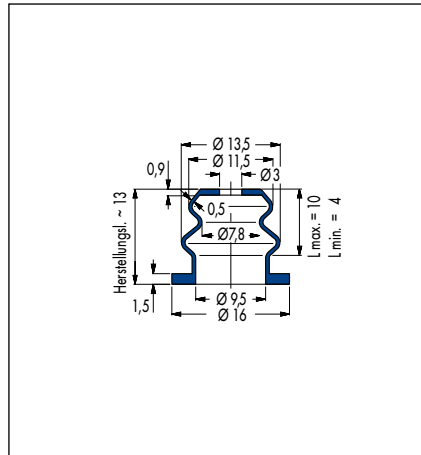
WERKSTOFF

Werkstoff	Temperatur	Ozonbeständigkeit	Chemikalienbeständigkeit
Thermoplastisches Elastomer (TPE)	-40 ... +120 °C	hoch	wie für Polyolefine/Thermoplaste üblich

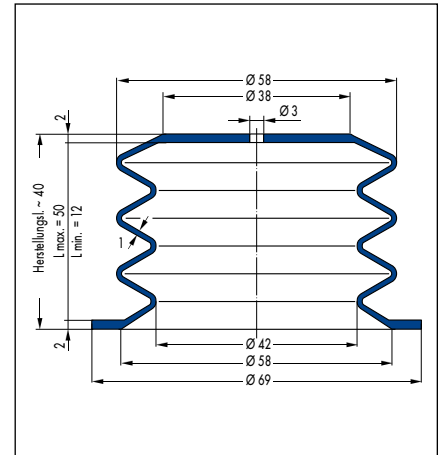
Bei den in der Tabelle aufgeführten Werten handelt es sich um Richtwerte. Weitere Informationen erhalten Sie im technischen Handbuch von FST.



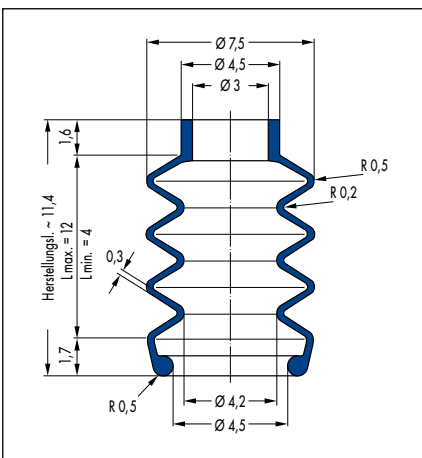
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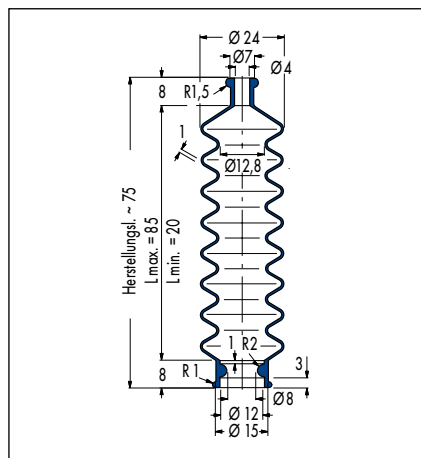
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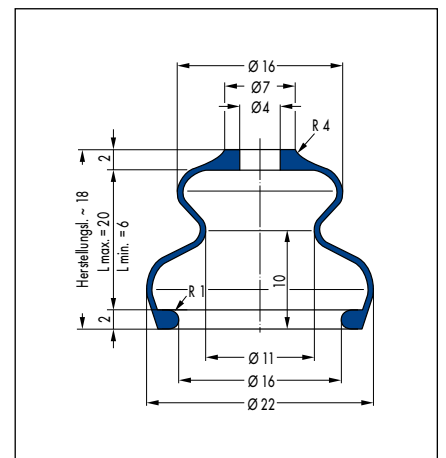
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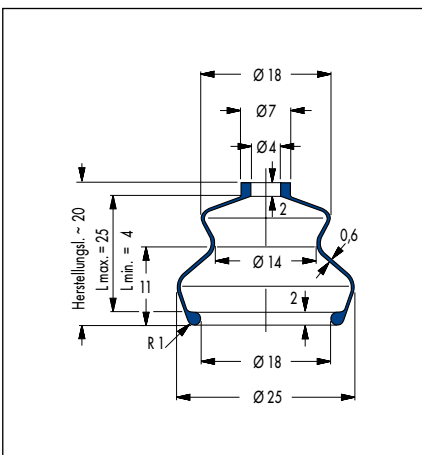
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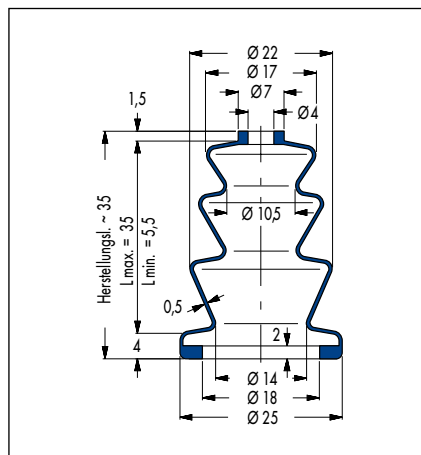
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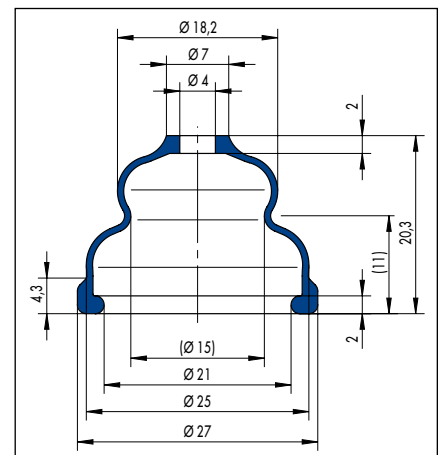
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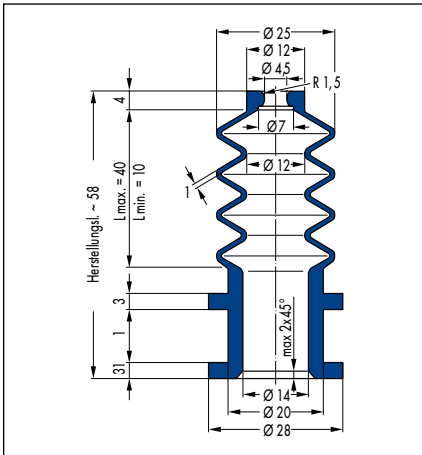
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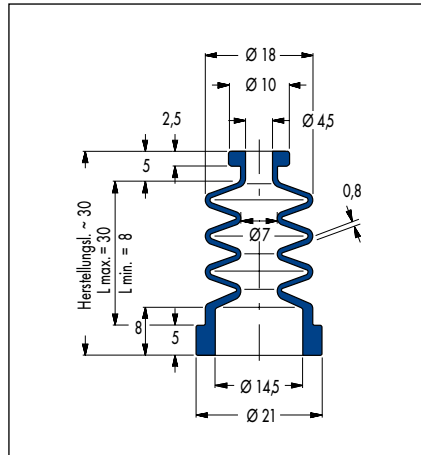
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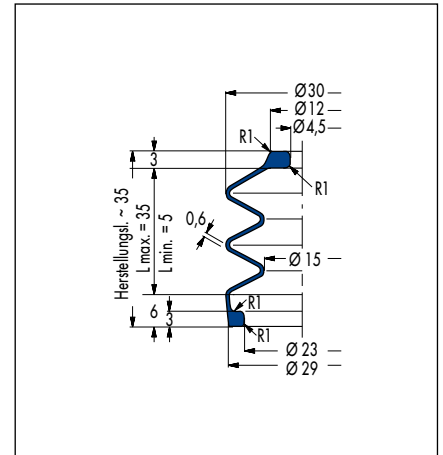
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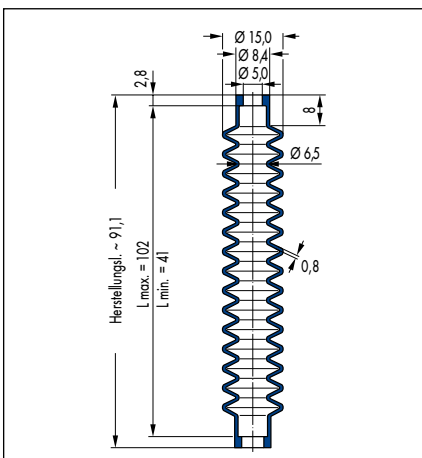
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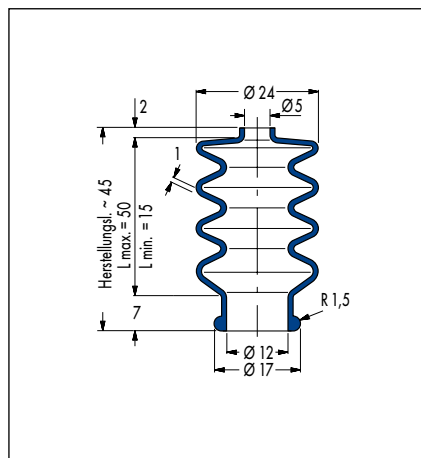
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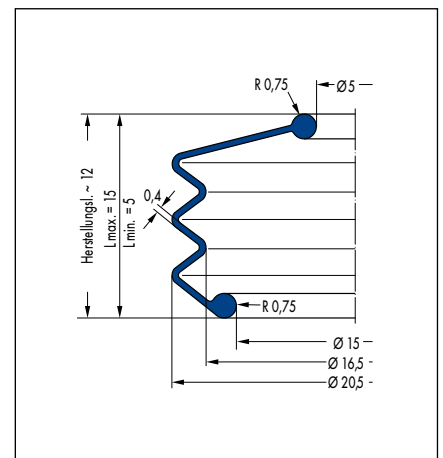
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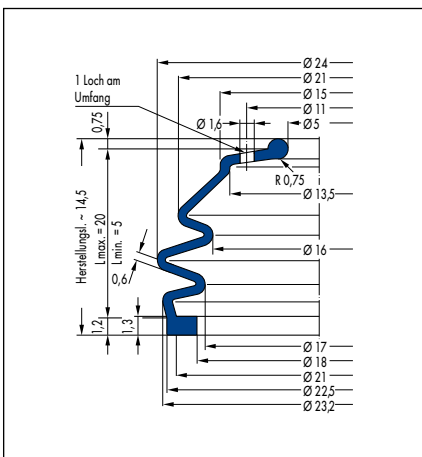
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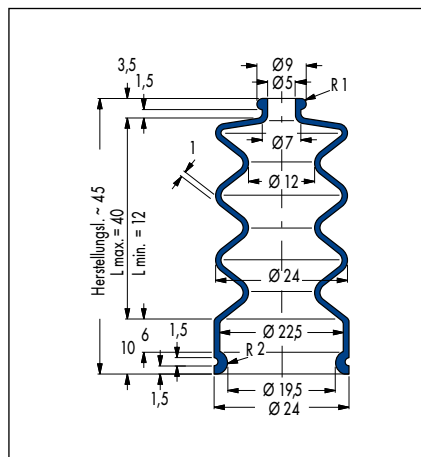
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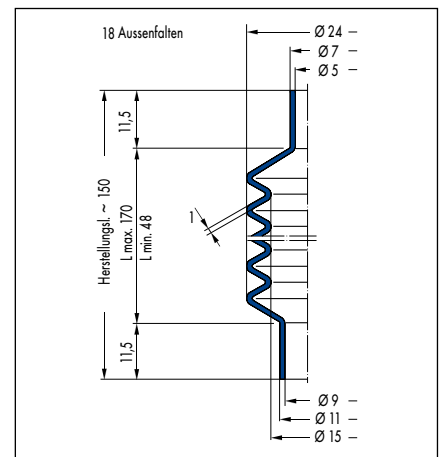
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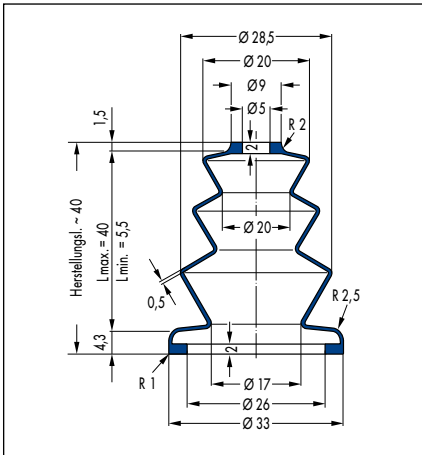
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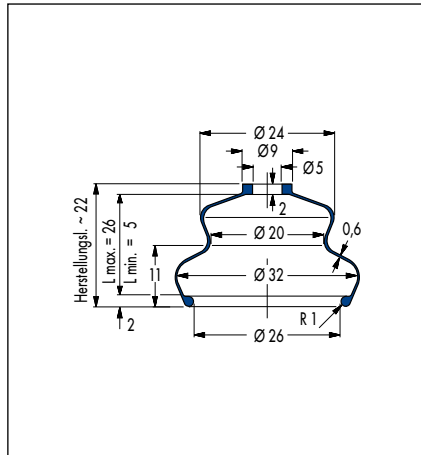
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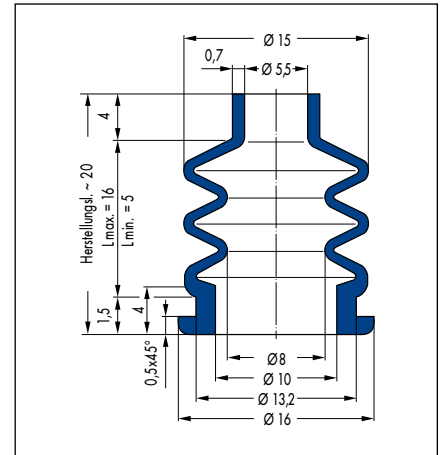
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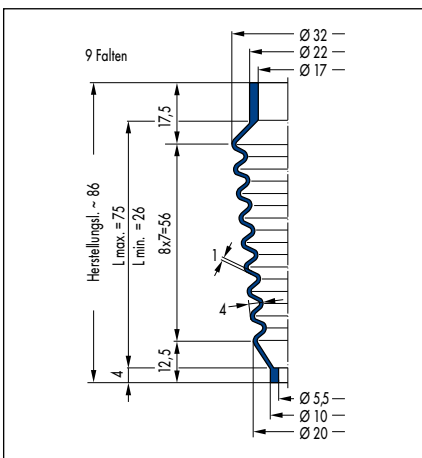
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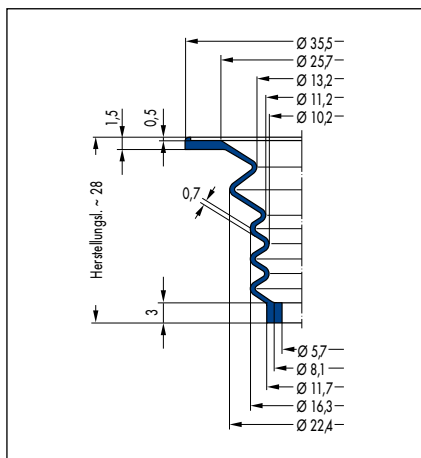
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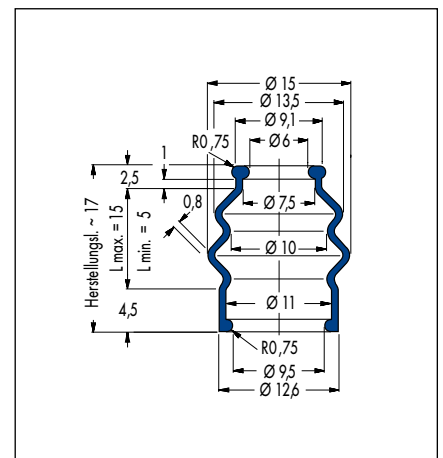
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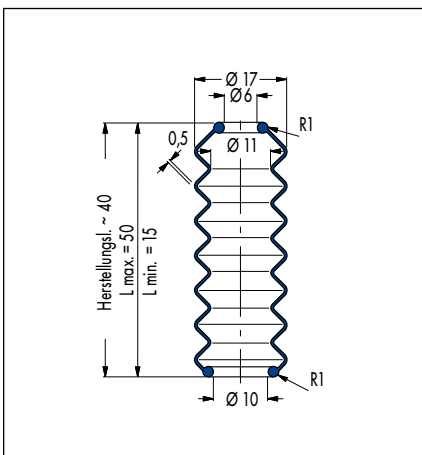
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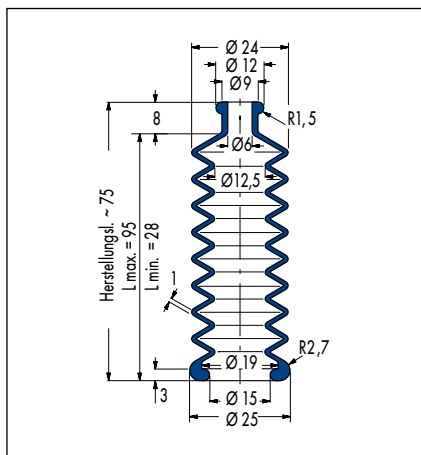
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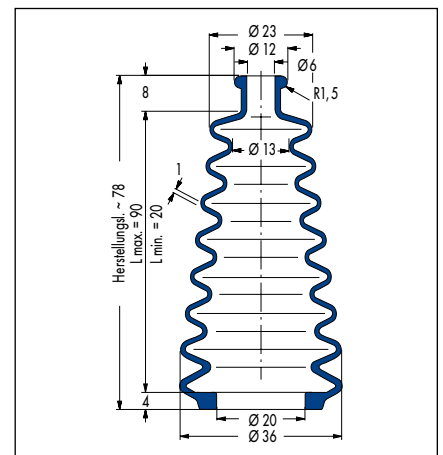
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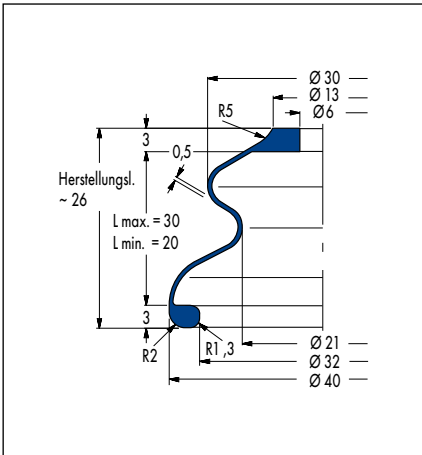
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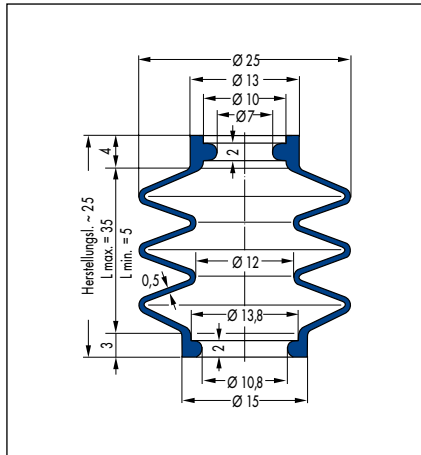
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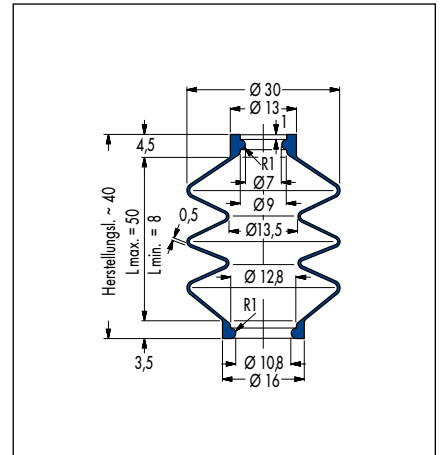
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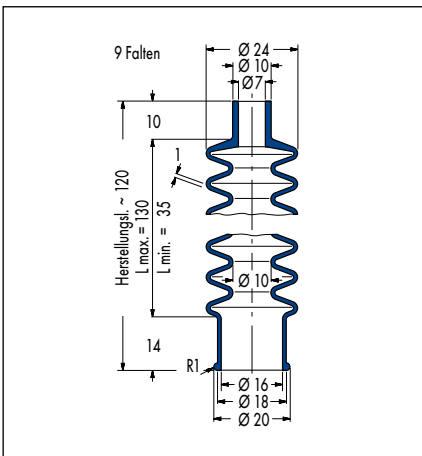
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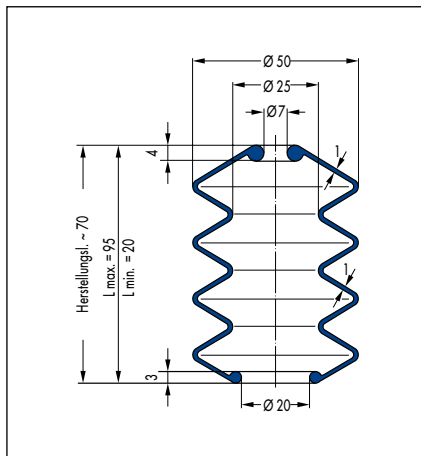
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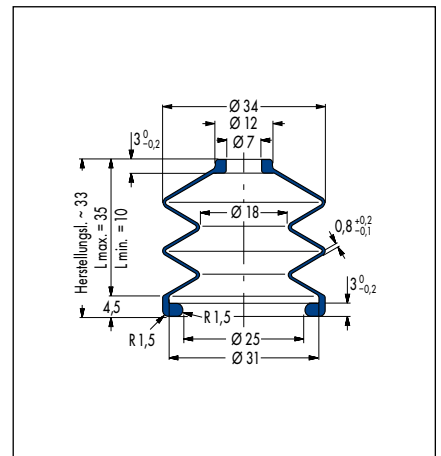
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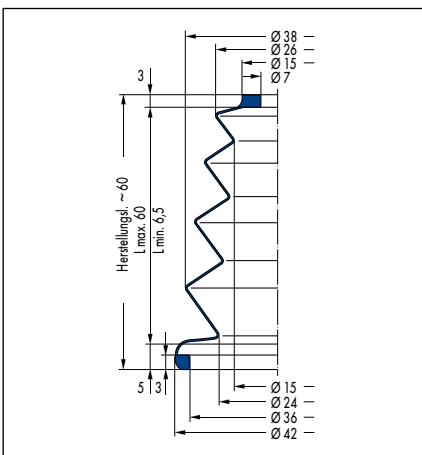
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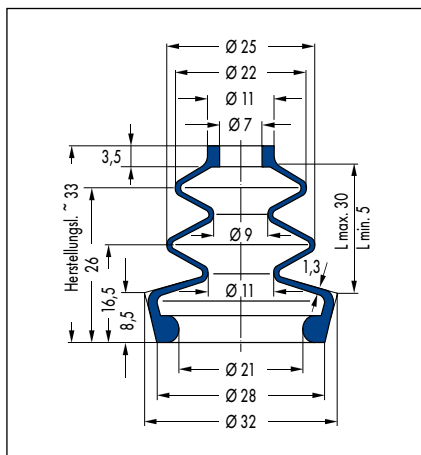
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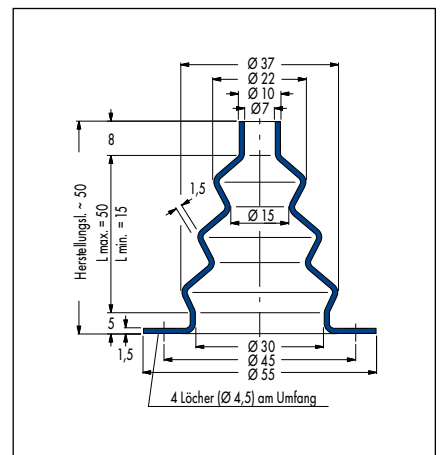
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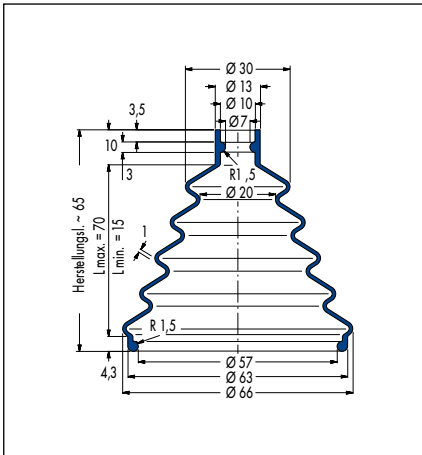
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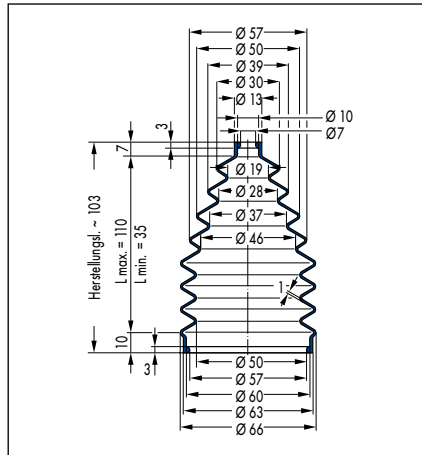
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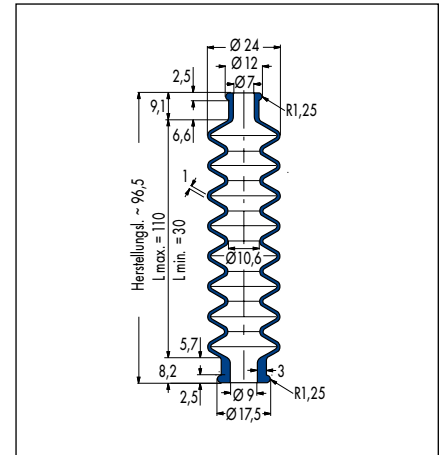
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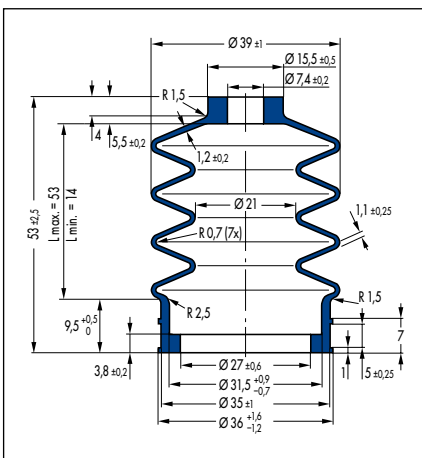
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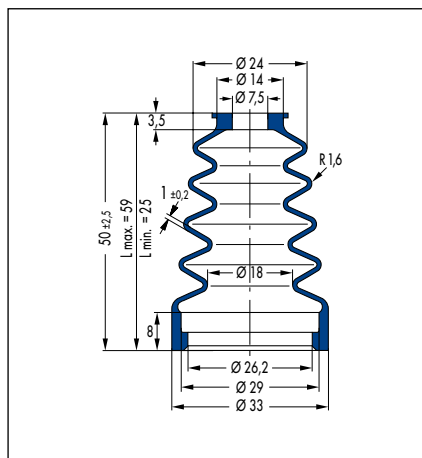
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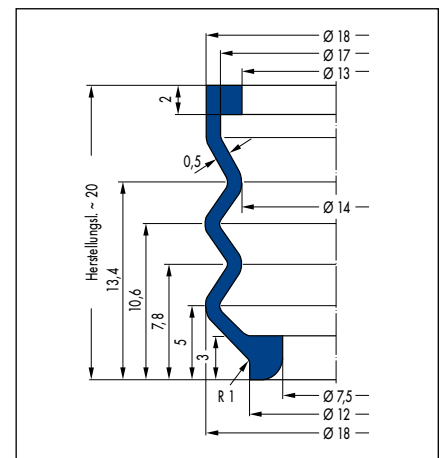
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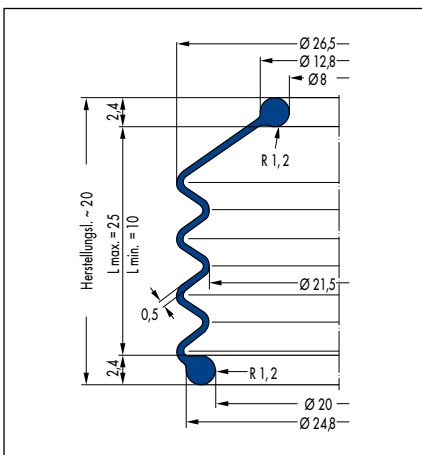
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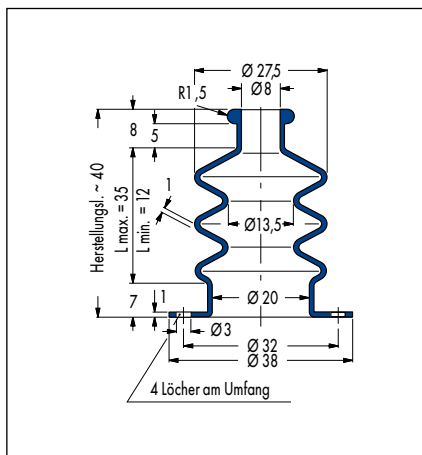
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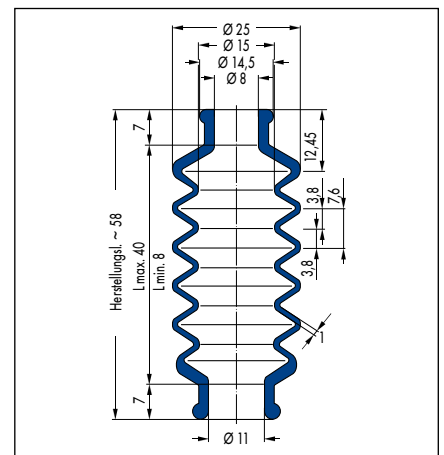
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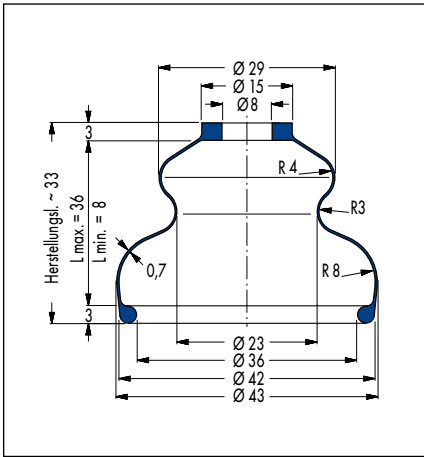
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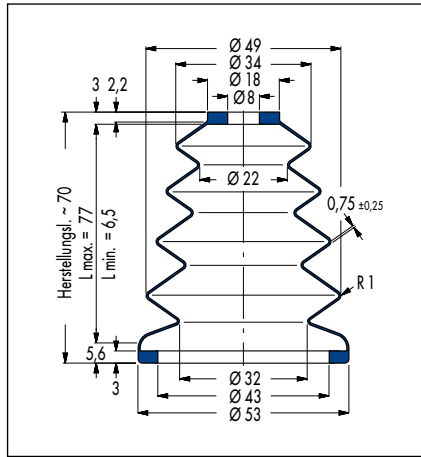
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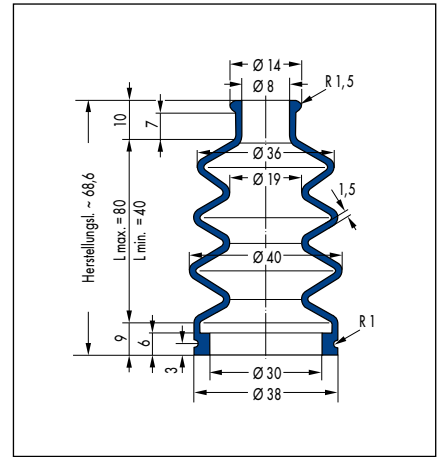
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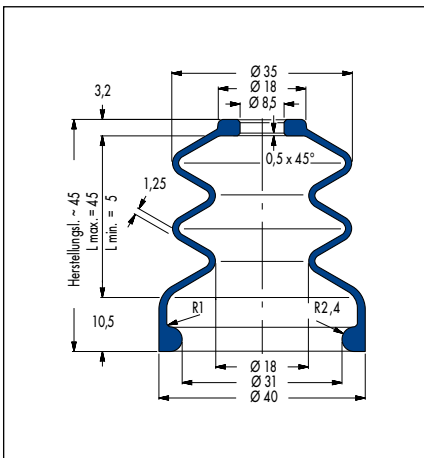
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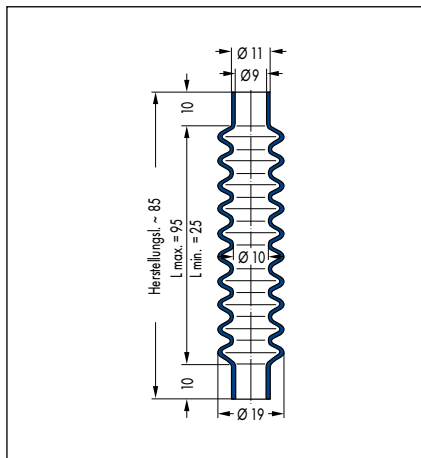
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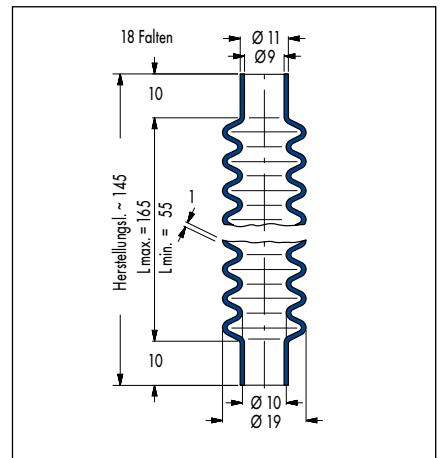
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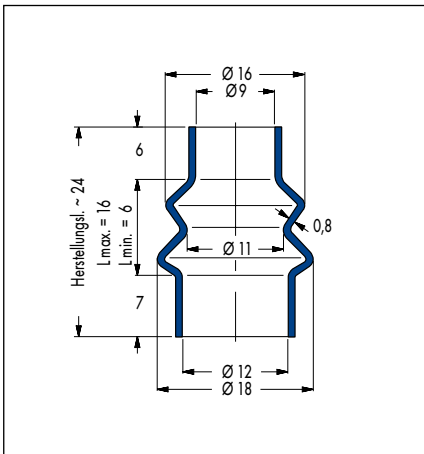
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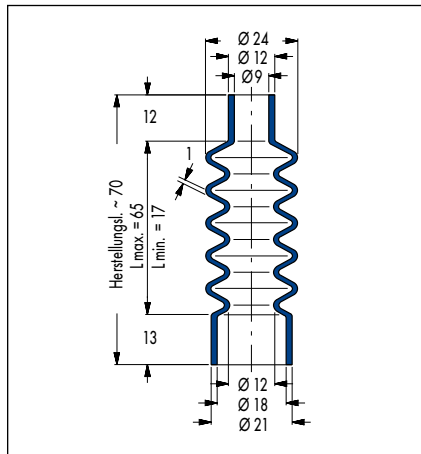
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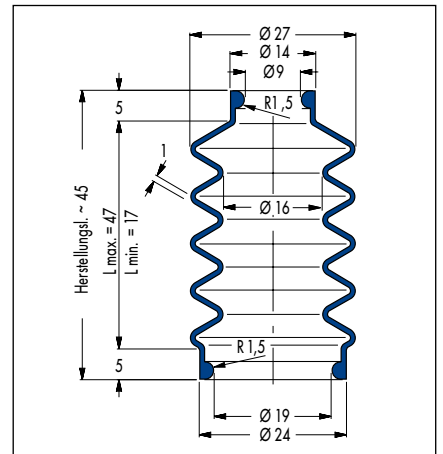
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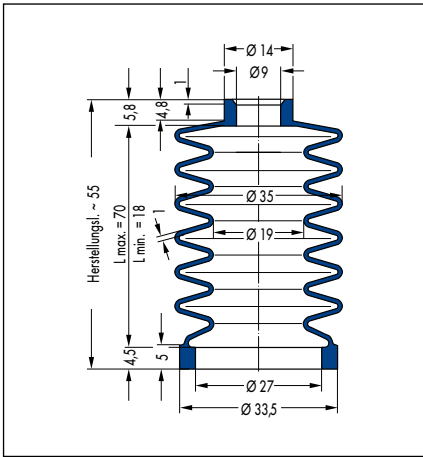
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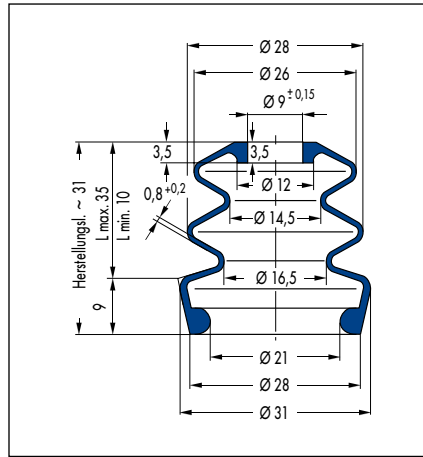
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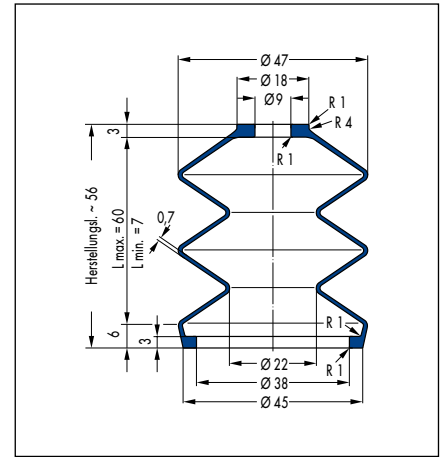
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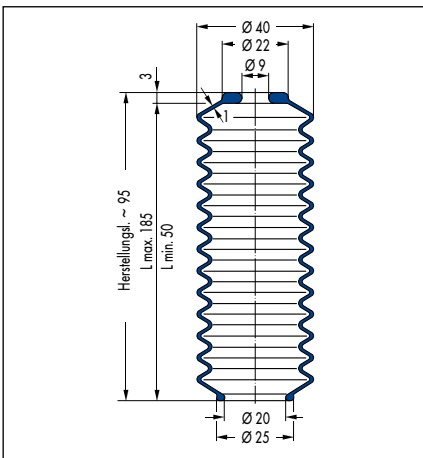
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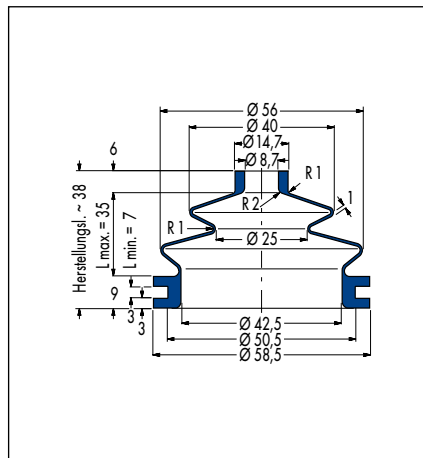
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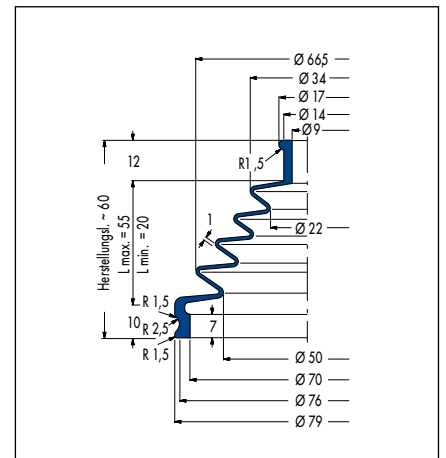
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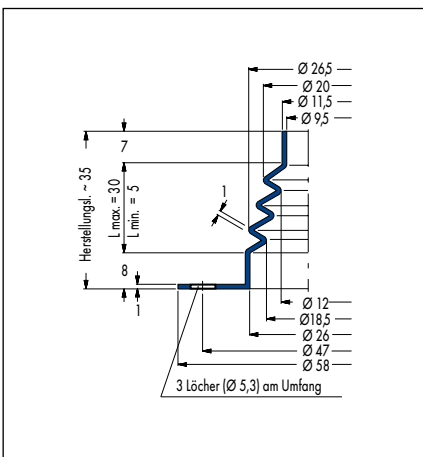
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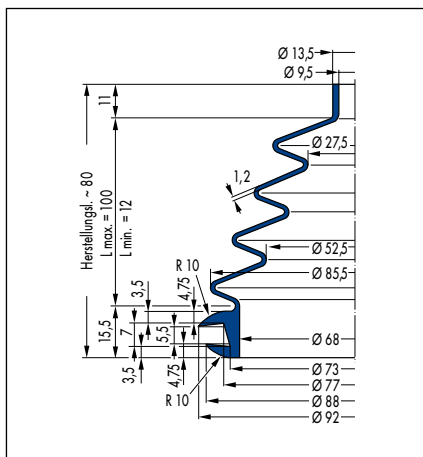
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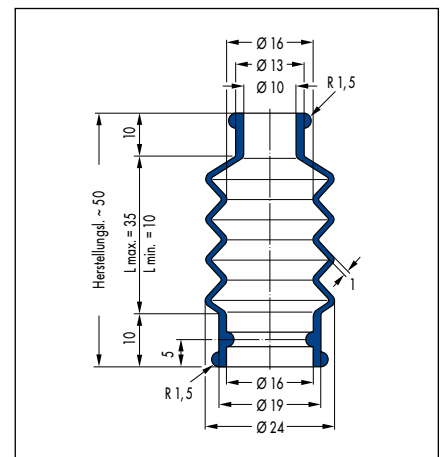
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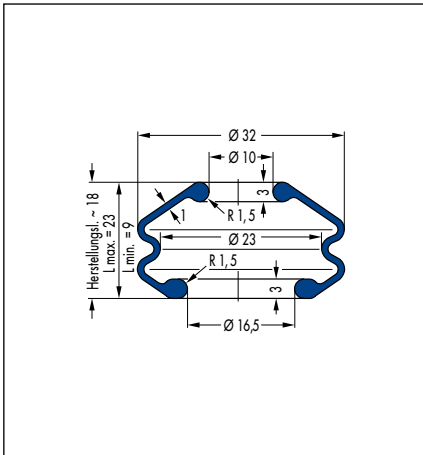
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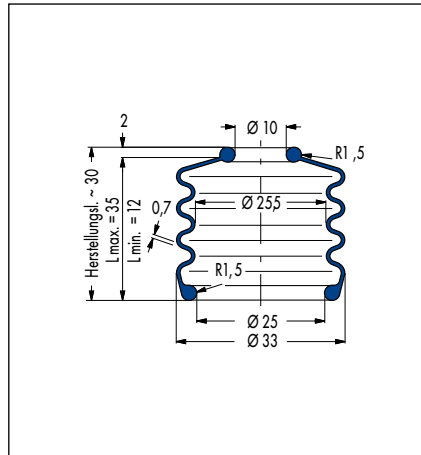
V6-00764, Artikel-Nr. 380287



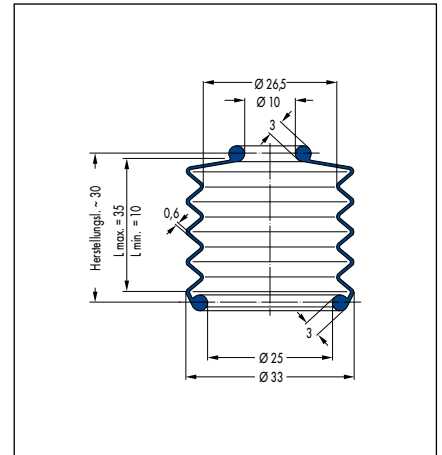
V6-01745, Artikel-Nr. 436919



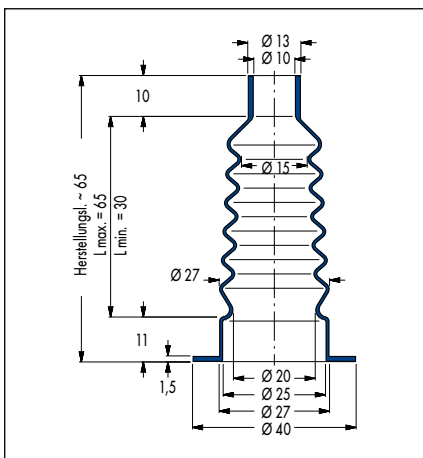
V6-00438, Artikel-Nr. 29634



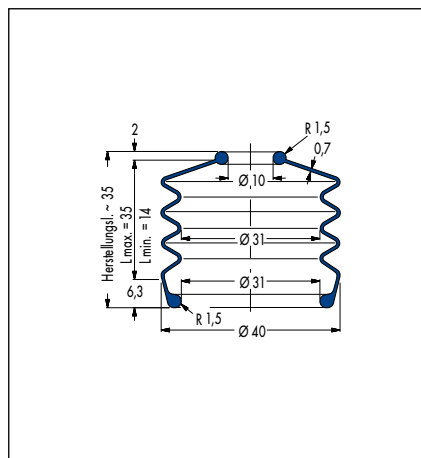
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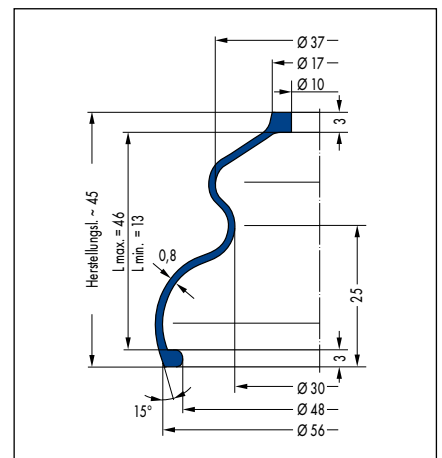
V6-00979, Artikel-Nr. 5810



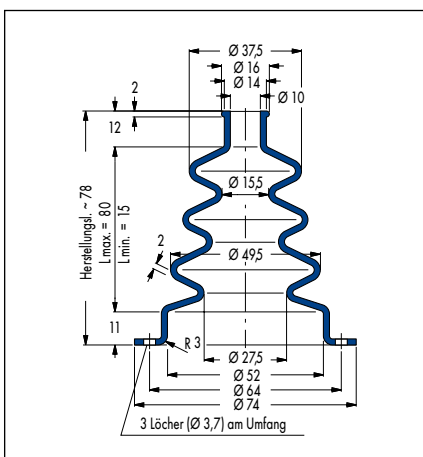
V6-00052, Artikel-Nr. 432593



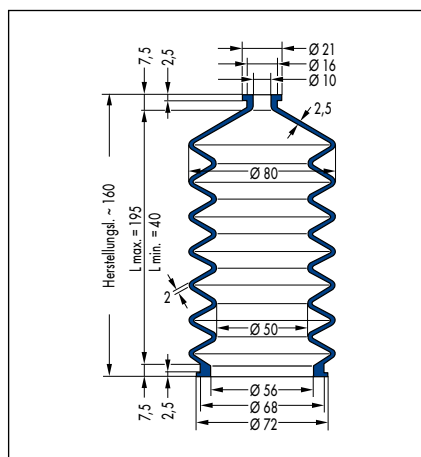
V6-00555, Artikel-Nr. 438572



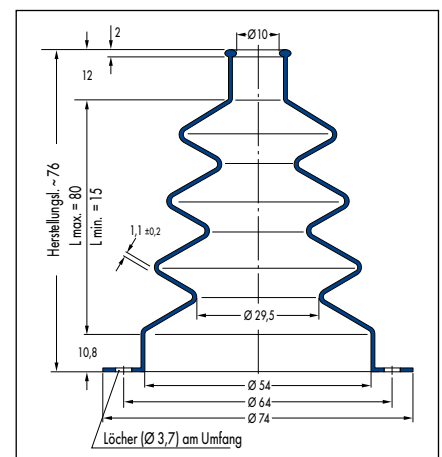
V6-00945, Artikel-Nr. 413



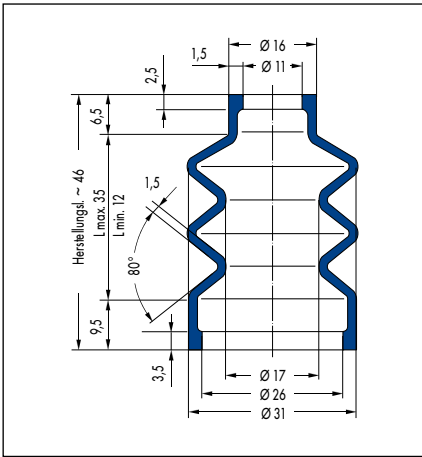
V6-01348, Artikel-Nr. 429741 (50 CR 879)/
430248 (42 CR 764)



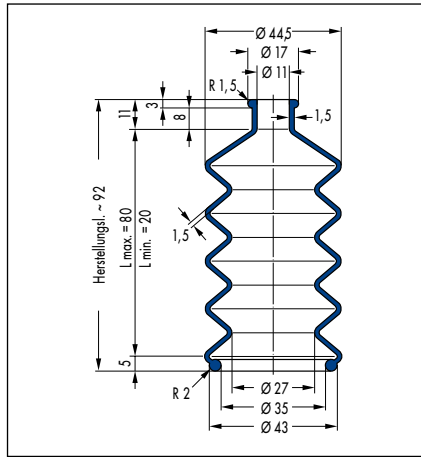
V6-00741, Artikel-Nr. 456488



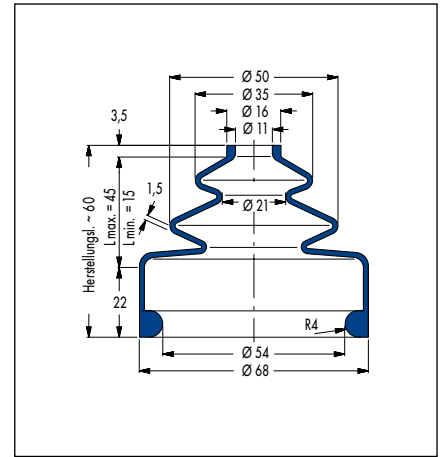
V6-20024, Artikel-Nr. 49332671



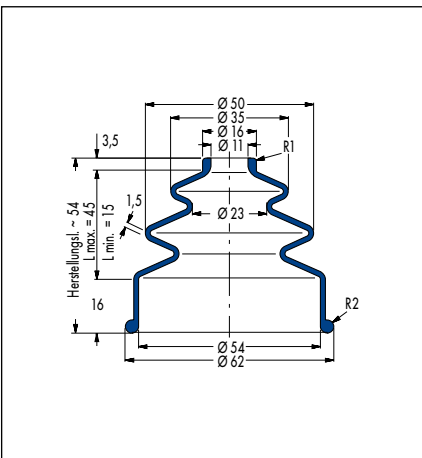
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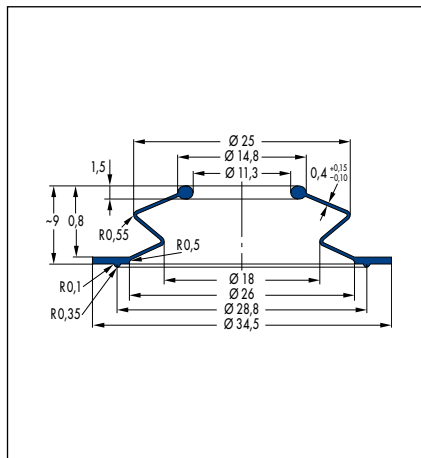
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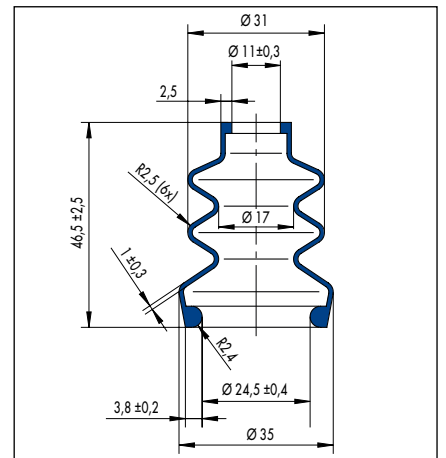
V6-00111, Artikel-Nr. 434031



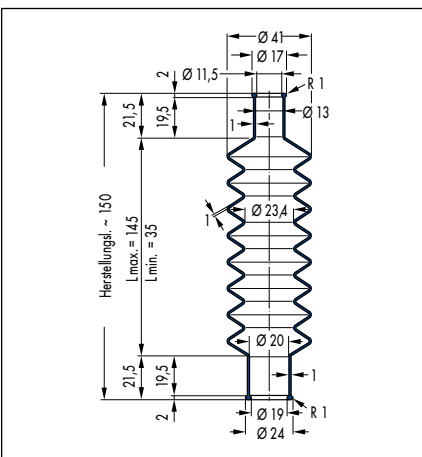
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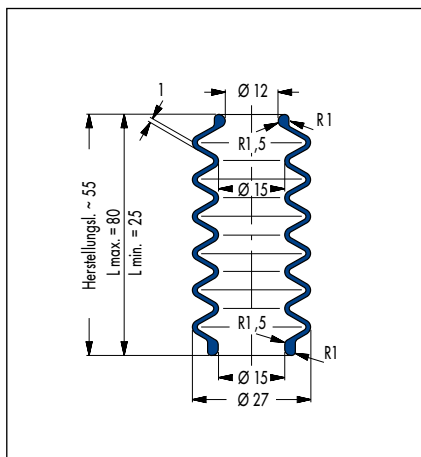
V6-20123, Artikel-Nr. 49365014



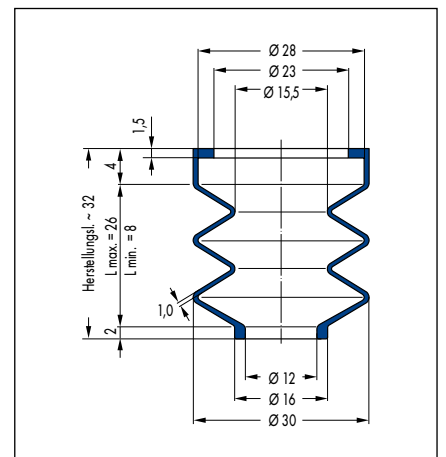
V6-01303, Artikel-Nr. 49469788



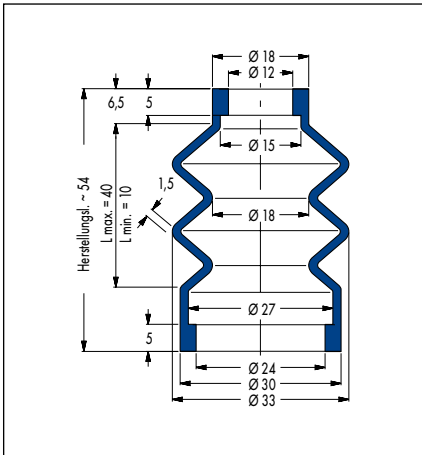
V6-00836, Artikel-Nr. 400869



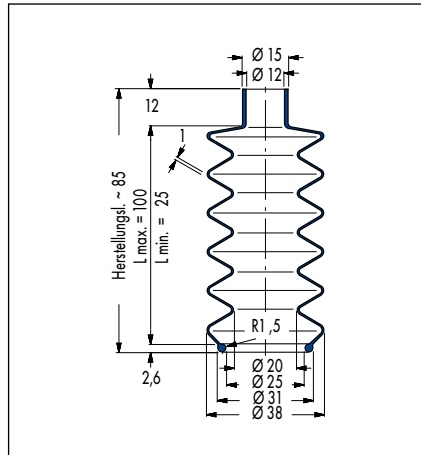
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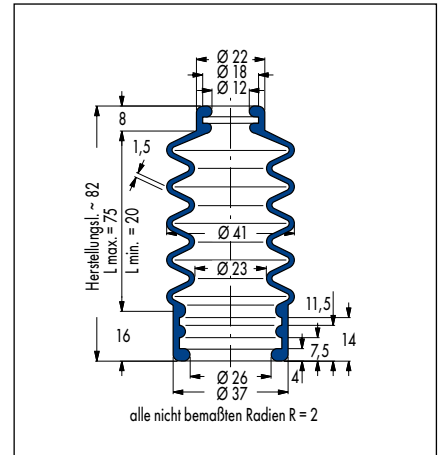
V6-01585, Artikel-Nr. 49346744



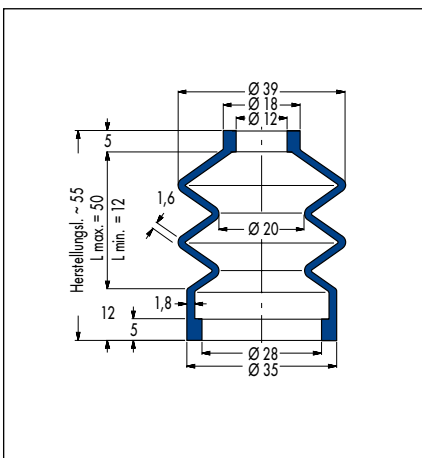
V6-00288, Artikel-Nr. 452930



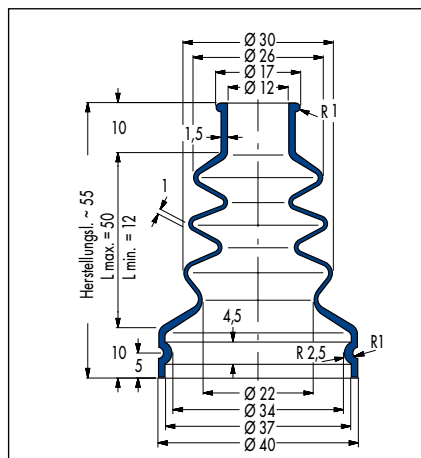
V6-00650, Artikel-Nr. 428275



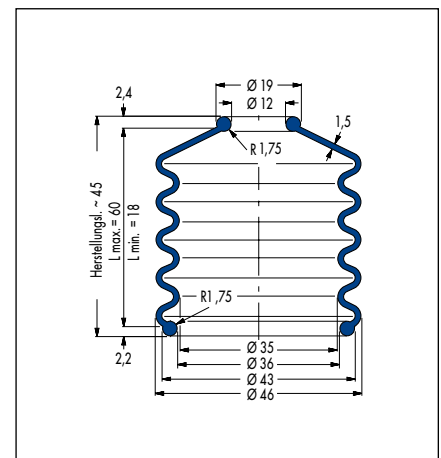
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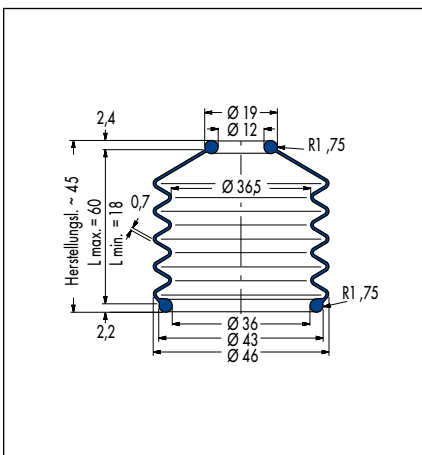
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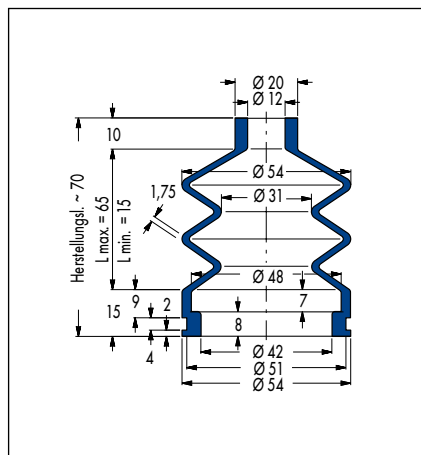
V6-00716, Artikel-Nr. 427272



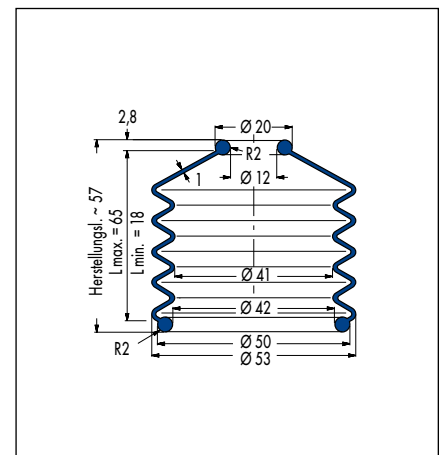
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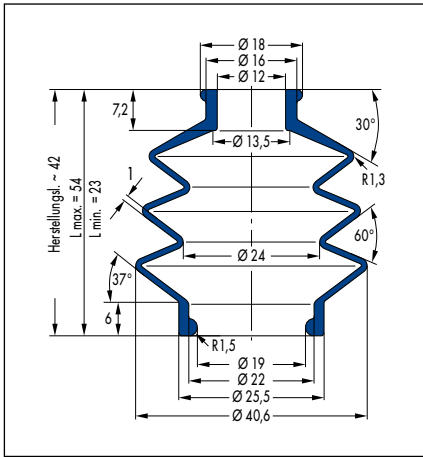
V6-00580, Artikel-Nr. 66382 (50 CR 879)/
81222 (42 CR 764)



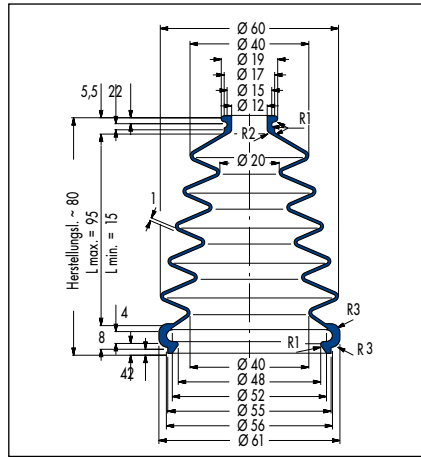
V6-00423, Artikel-Nr. 435215



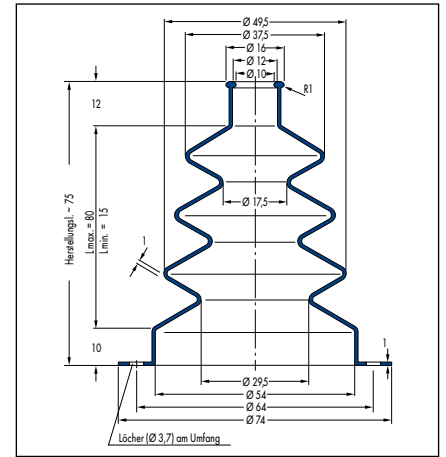
V6-00581, Artikel-Nr. 438541 (CR)/
438542 (NBR)



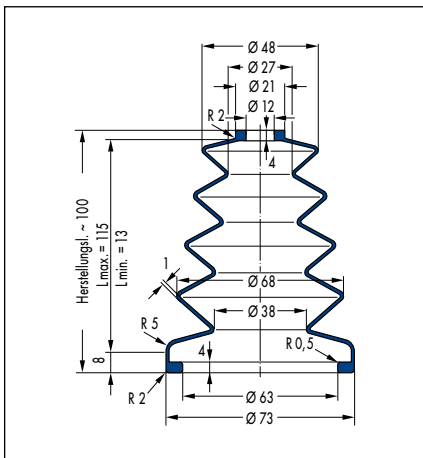
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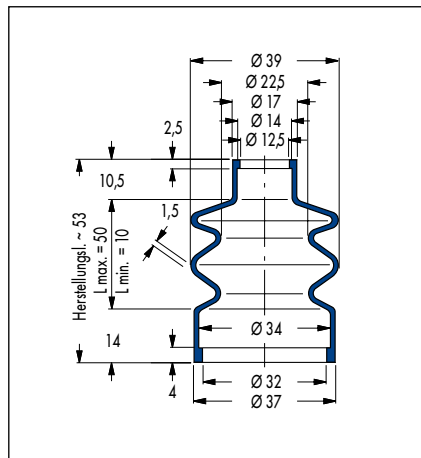
V6-00625, Artikel-Nr. 438216



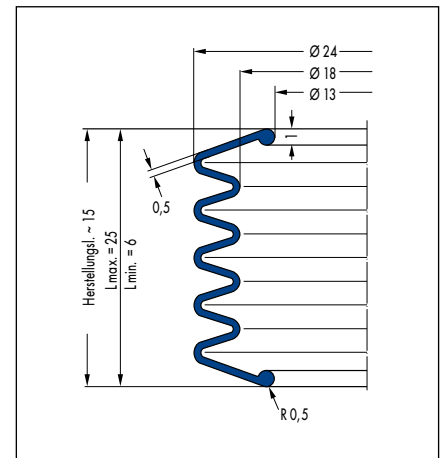
V6-00631, Artikel-Nr. 426386 (CR)/
508013 (NBR)



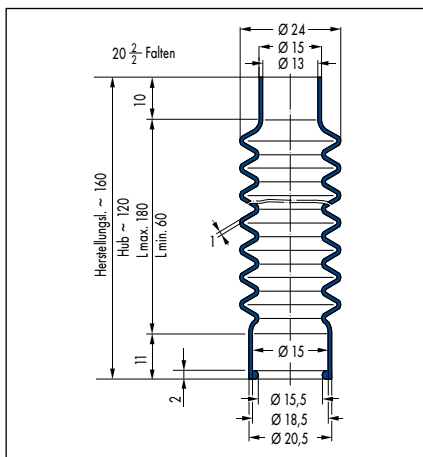
V6-01014, Artikel-Nr. 454262



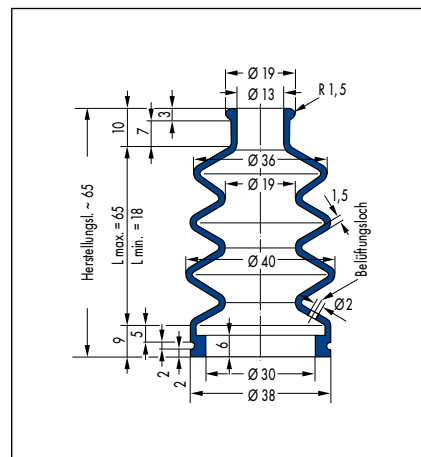
V6-00816, Artikel-Nr. 434459



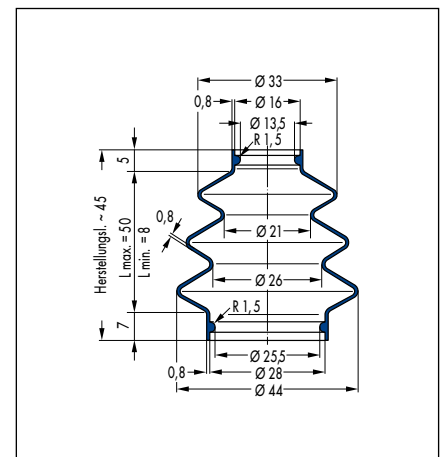
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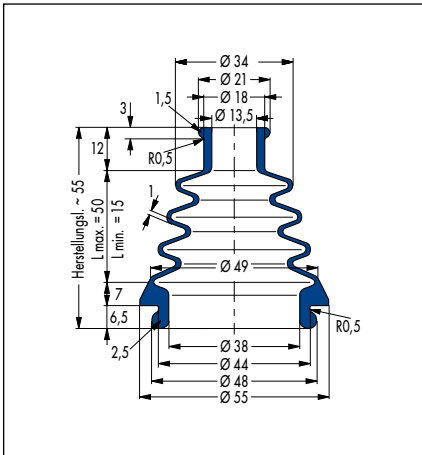
V6-00930, Artikel-Nr. 400893



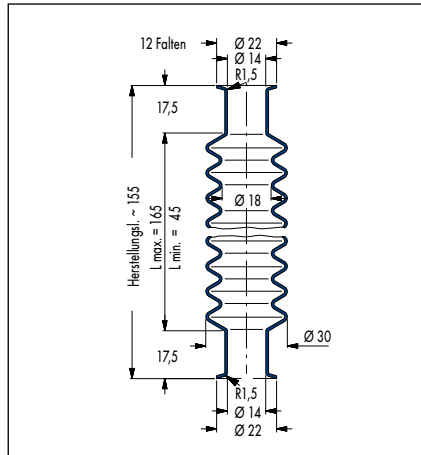
V6-00505, Artikel-Nr. 453725



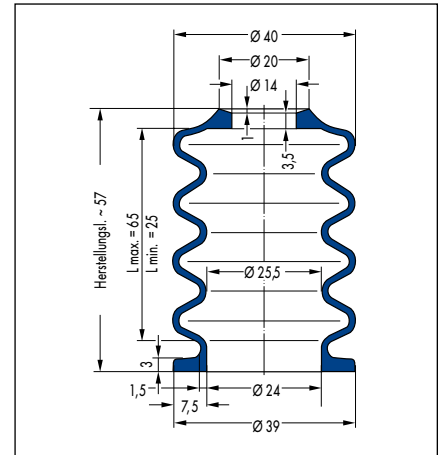
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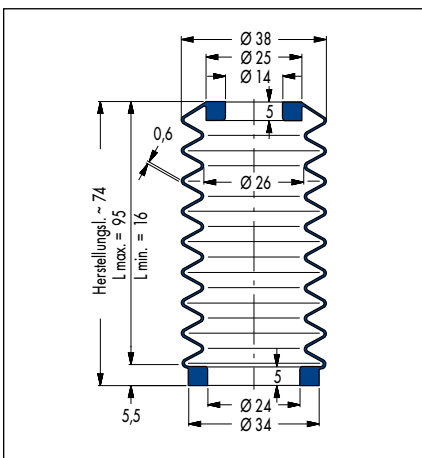
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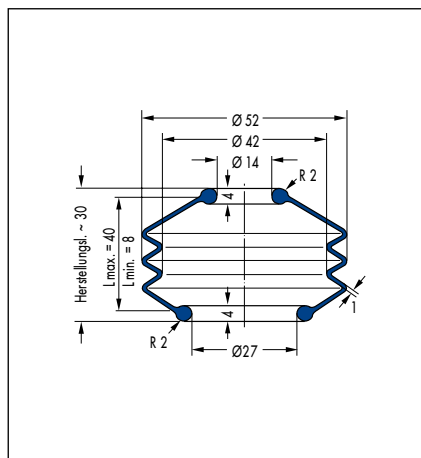
V6-00237, Artikel-Nr. 427261



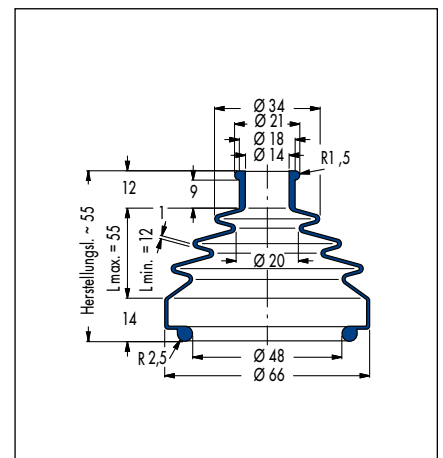
V6-00439, Artikel-Nr. 29637



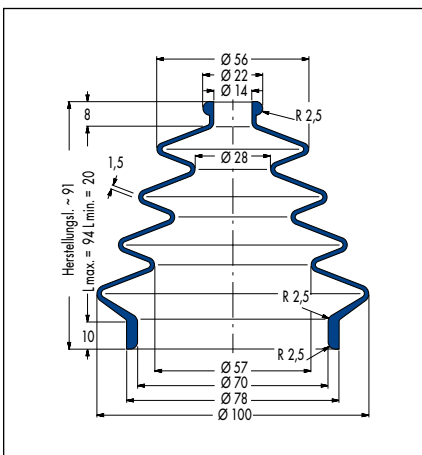
V6-00905, Artikel-Nr. 428836, 437671
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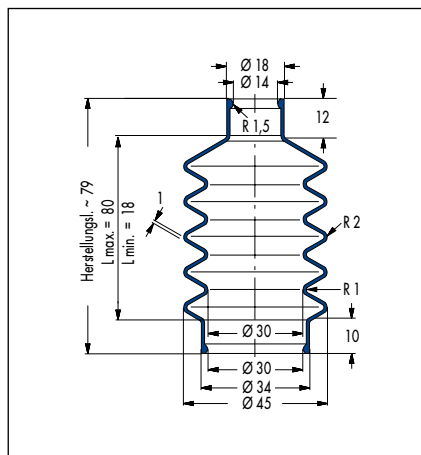
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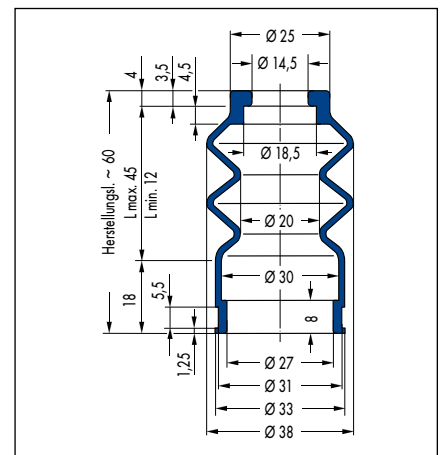
V6-00585, Artikel-Nr. 436695 (50 CR 879)/
436697 (42 CR 764)



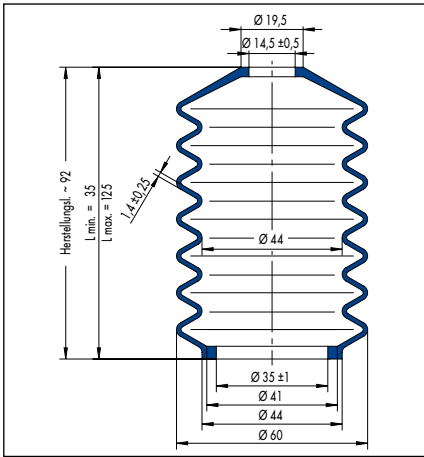
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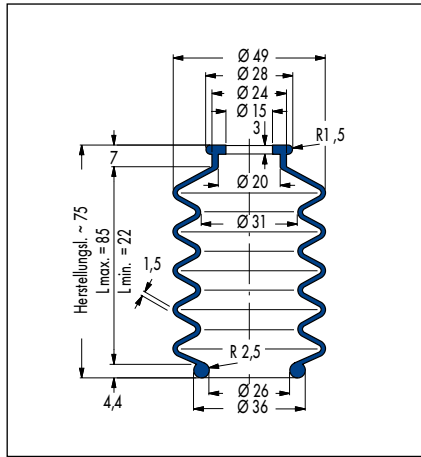
V6-00988, Artikel-Nr. 385391



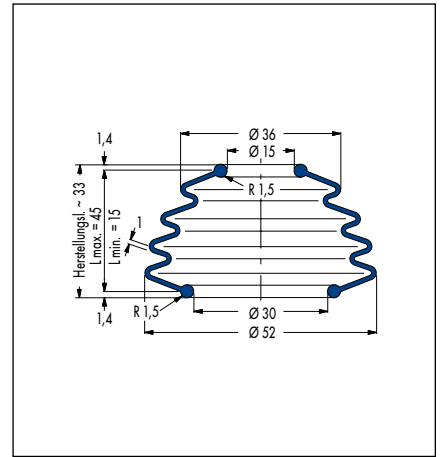
V6-00189, Artikel-Nr. 440390



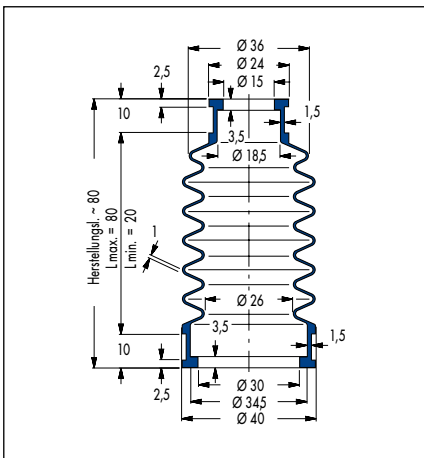
V6-01332, Artikel-Nr. 49469786



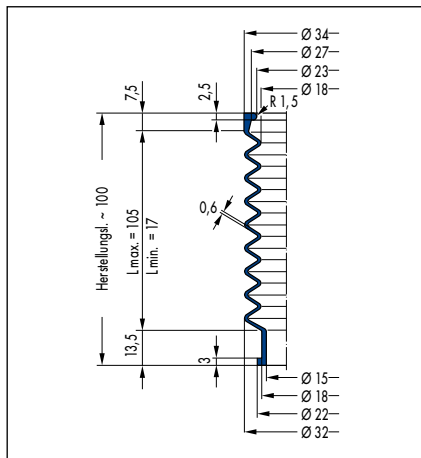
V6-00488, Artikel-Nr. 426793



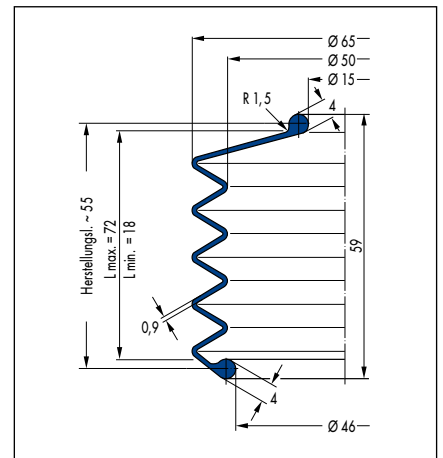
V6-00277, Artikel-Nr. 435217



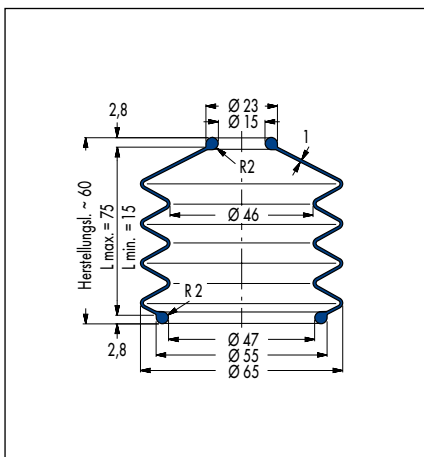
V6-00156, Artikel-Nr. 436158



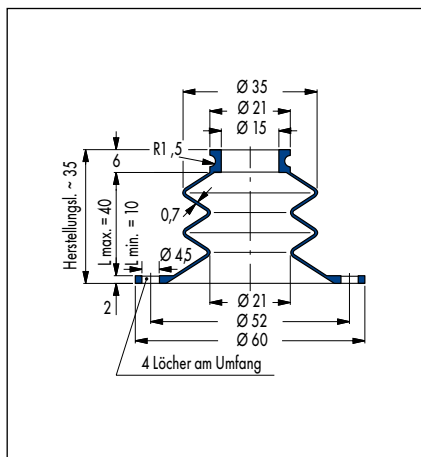
V6-01450, Artikel-Nr. 452567



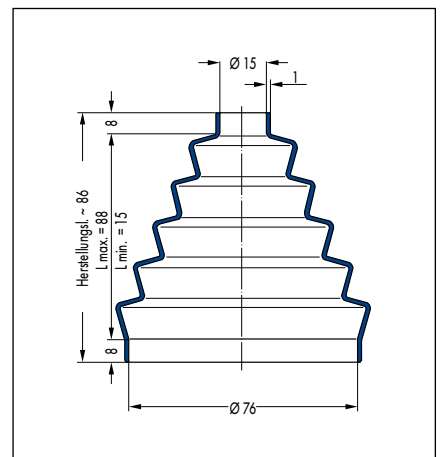
V6-01538, Artikel-Nr. 434075



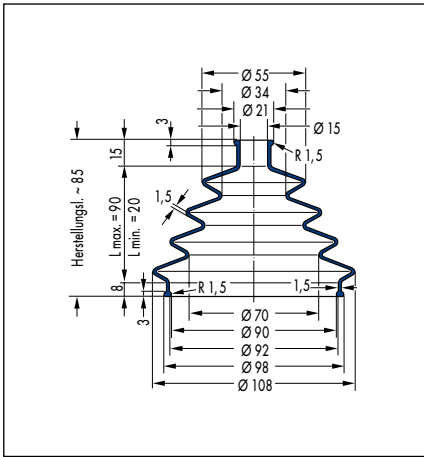
V6-00582, Artikel-Nr. 49312586 (CR)



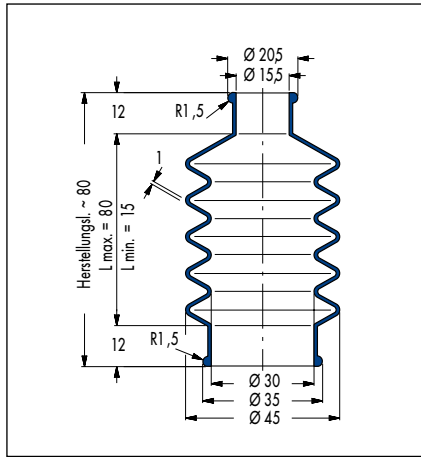
V6-00366, Artikel-Nr. 427266



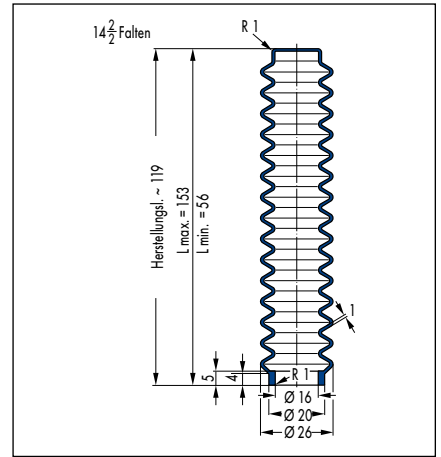
V6-00116, Artikel-Nr. 439182 (42 CR 764)/
439181 (50 CR 879)



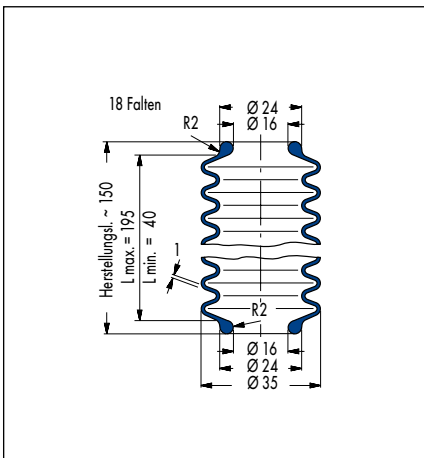
V6-00787, Artikel-Nr. 29962



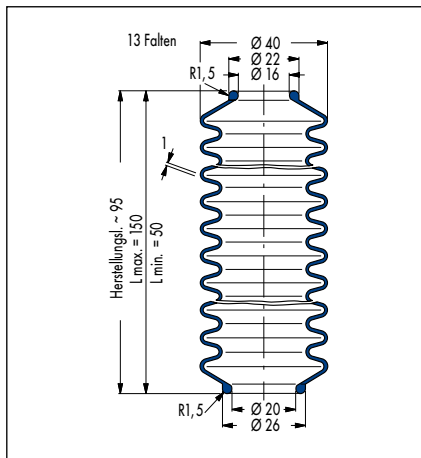
V6-01019, Artikel-Nr. 438569



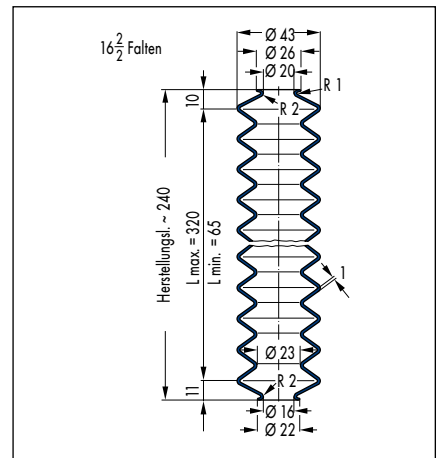
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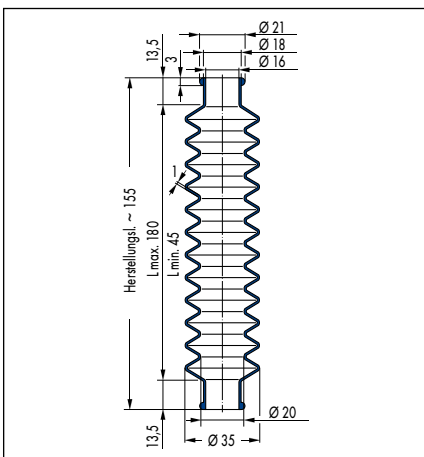
V6-00293, Artikel-Nr. 434026



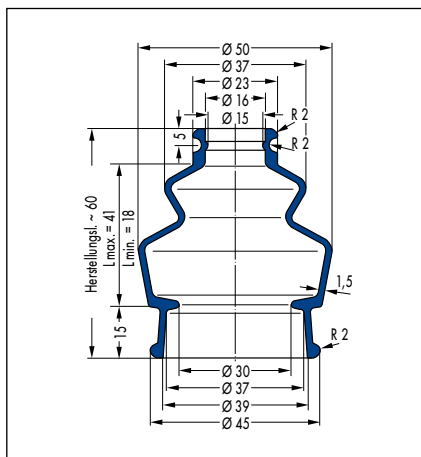
V6-00013, Artikel-Nr. 438211



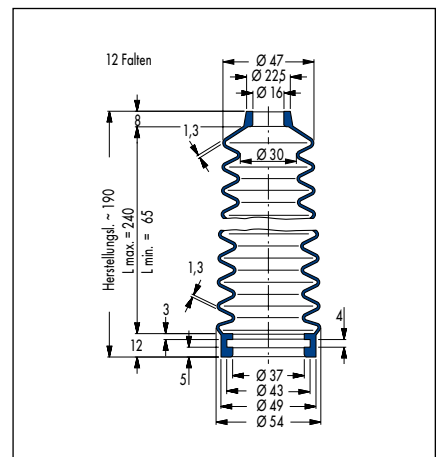
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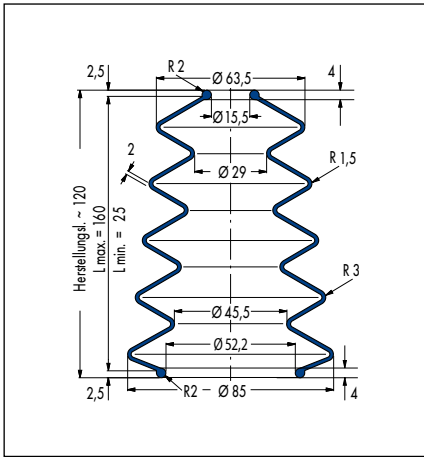
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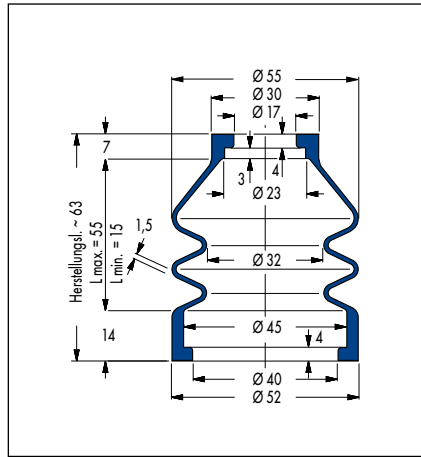
V6-00282, Artikel-Nr. 440305



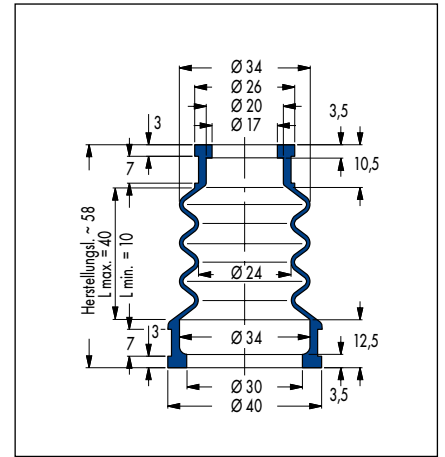
V6-00404, Artikel-Nr. 428849 (CR)/
428851 (NBR)



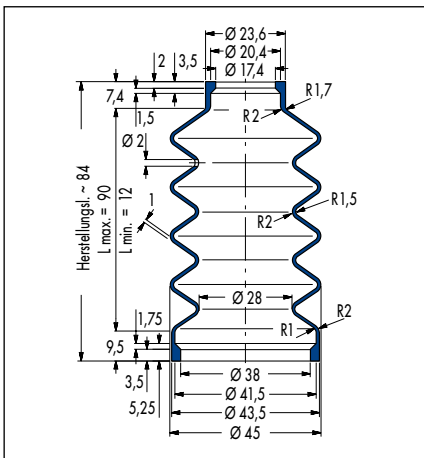
V6-00610, Artikel-Nr. 426375



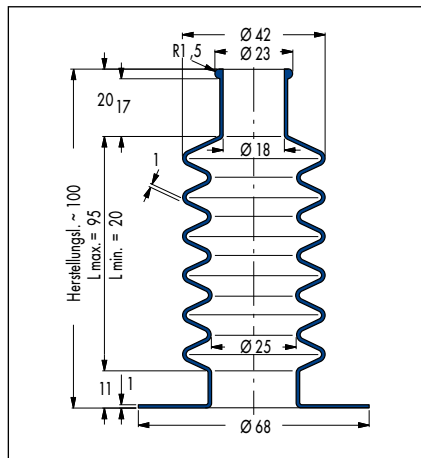
V6-00221, Artikel-Nr. 428830



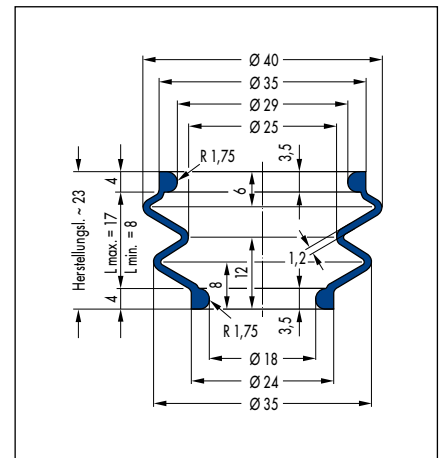
V6-00076, Artikel-Nr. 433980



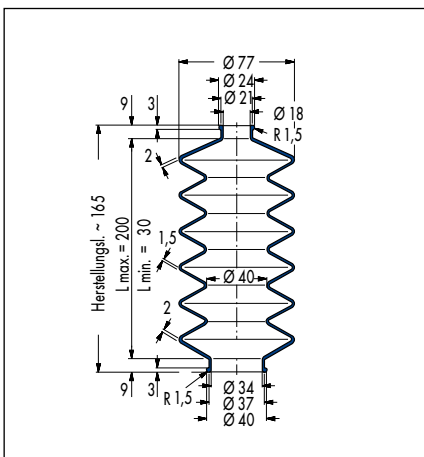
V6-00347, Artikel-Nr. 501252



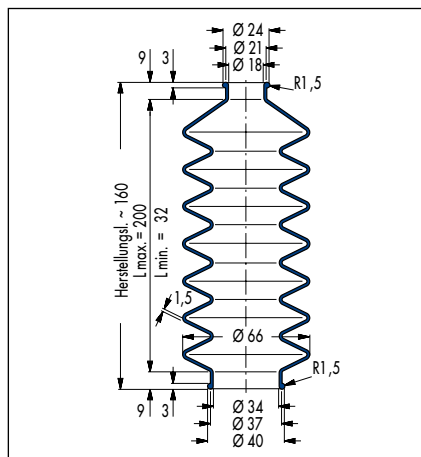
V6-00713, Artikel-Nr. 431525



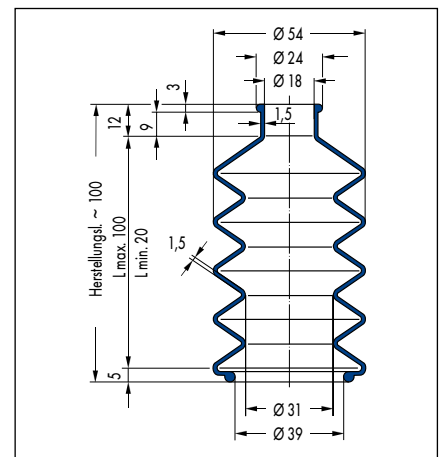
V6-01556, Artikel-Nr. 432591



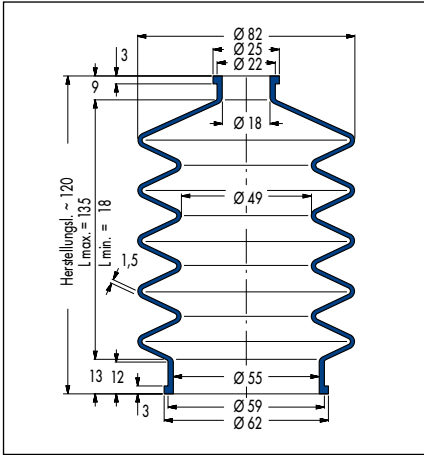
V6-00531, Artikel-Nr. 453728



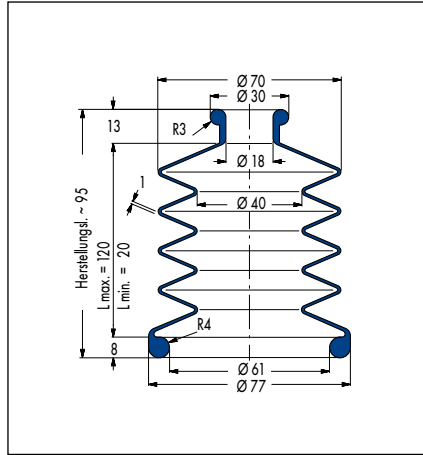
V6-00503, Artikel-Nr. 440392 (42 CR 764)/
440391 (50 CR 879)



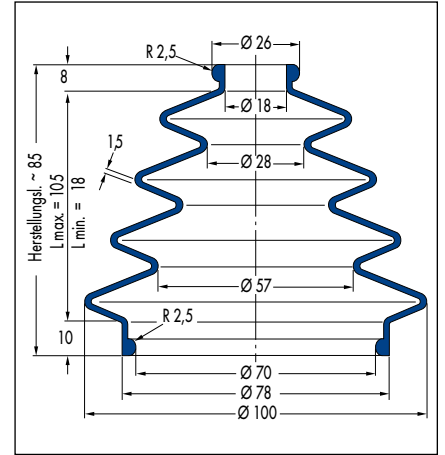
V6-00828, Artikel-Nr. 11520



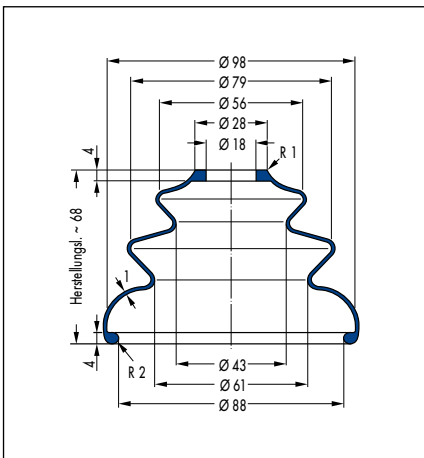
V6-00075, Artikel-Nr. 439195



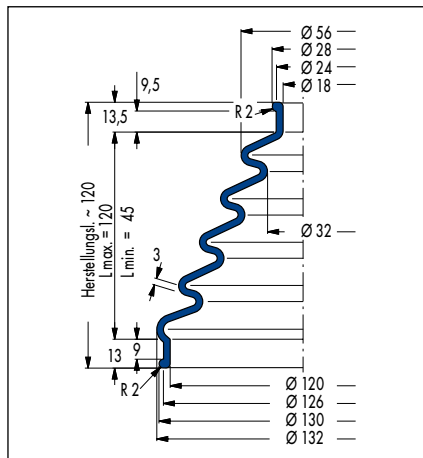
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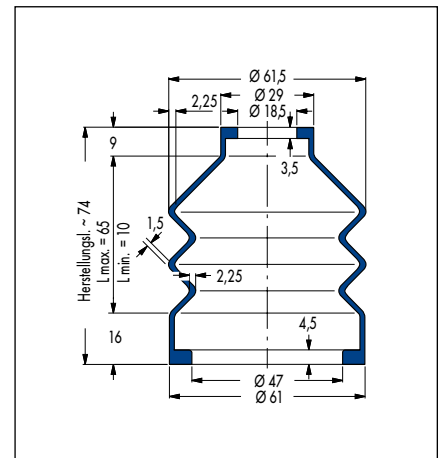
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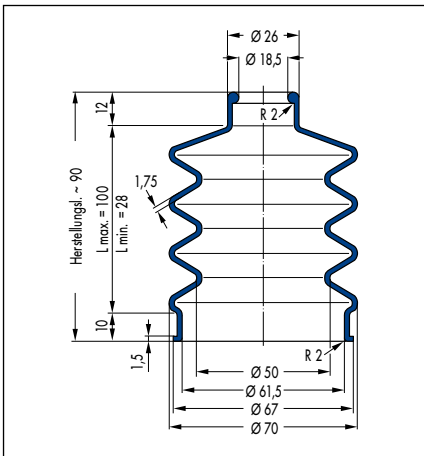
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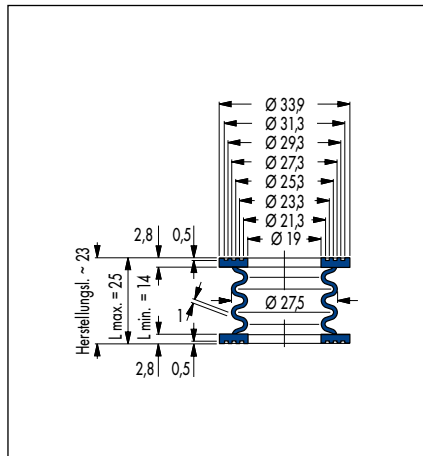
V6-00575, Artikel-Nr. 29752



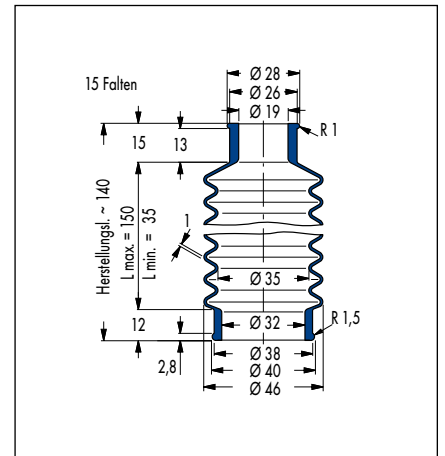
V6-00203, Artikel-Nr. 49312517



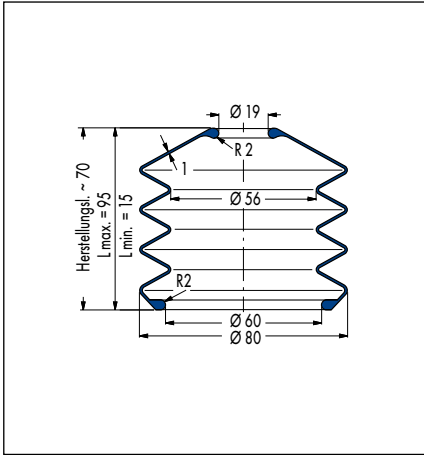
V6-00843, Artikel-Nr. 432191



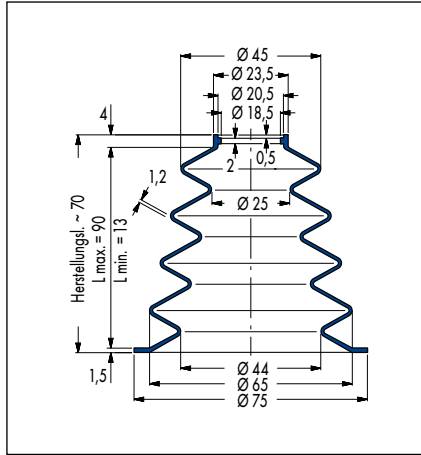
V6-00383, Artikel-Nr. 430846



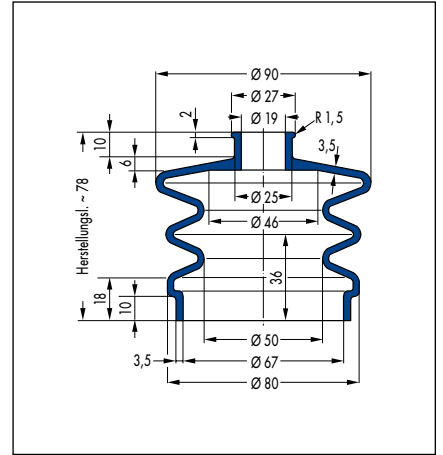
V6-00679, Artikel-Nr. 426799



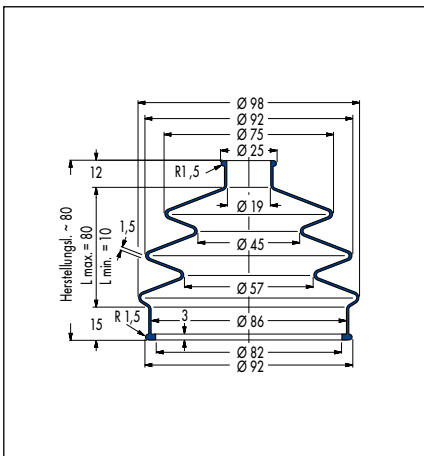
V6-00565, Artikel-Nr. 434030



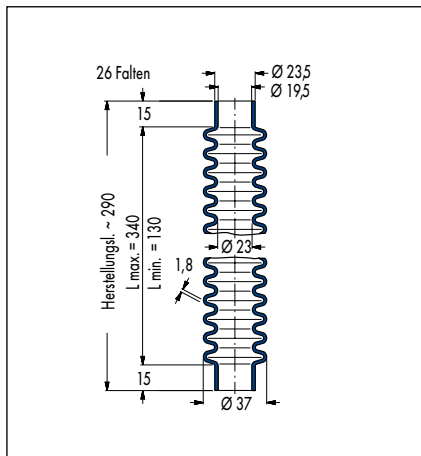
V6-00714, Artikel-Nr. 427269 (42 CR 764)/
427271 (45 NBR 670)



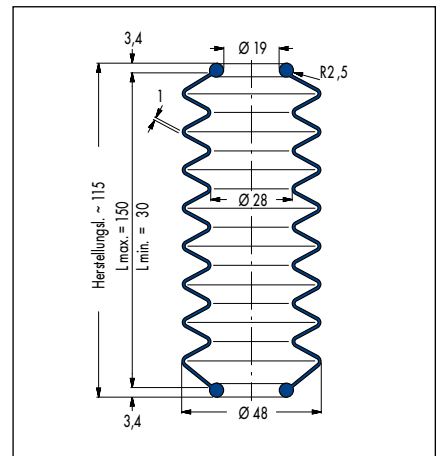
V6-20199, Artikel-Nr. 501112



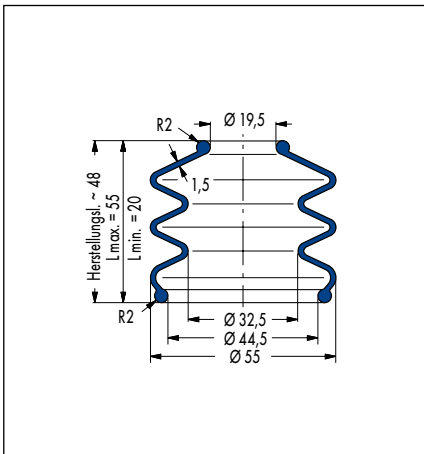
V6-00955, Artikel-Nr. 429670



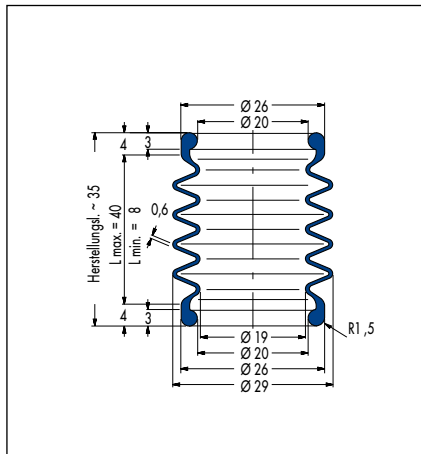
V6-00915, Artikel-Nr. 440260



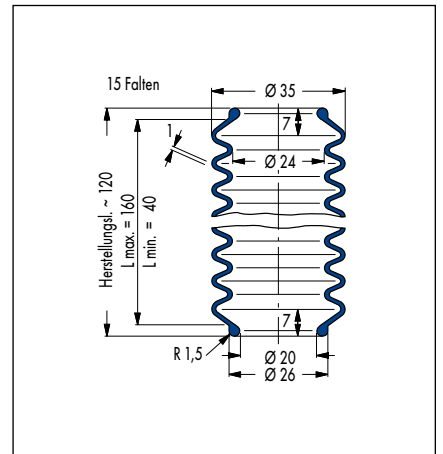
V6-00726, Artikel-Nr. 426387 (CR)/
429078 (NBR)



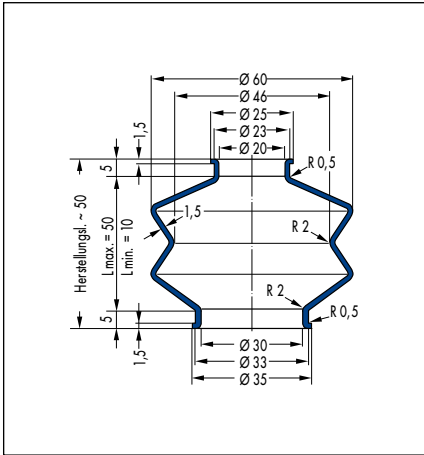
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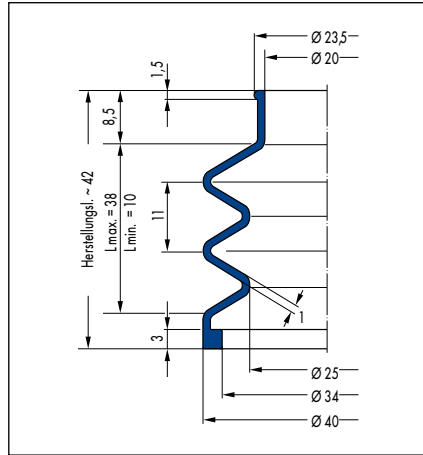
V6-00722, Artikel-Nr. 336382



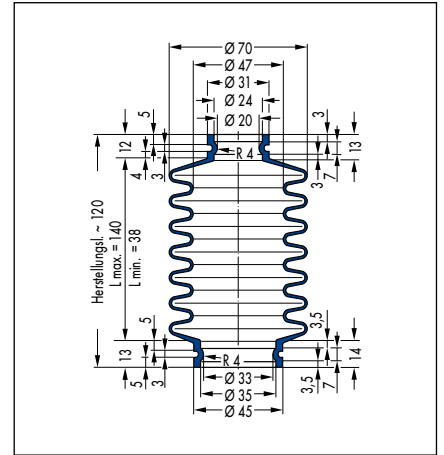
V6-00236, Artikel-Nr. 449345231 (CR)/
49344842 (NBR)



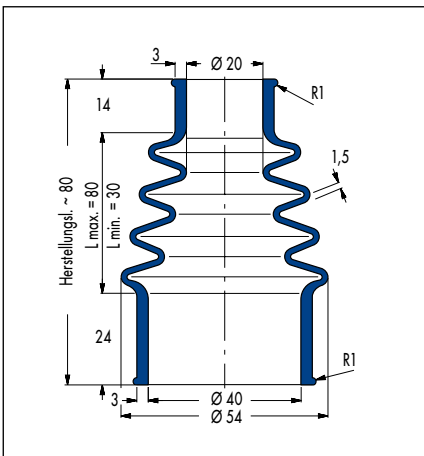
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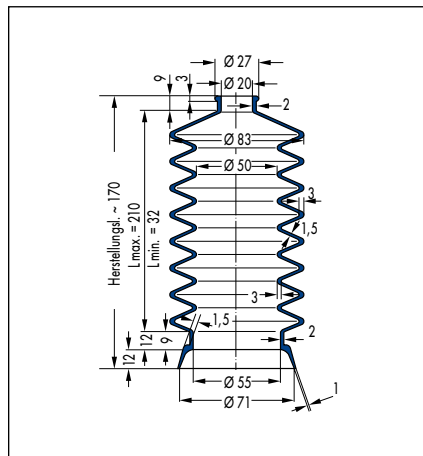
V6-01390, Artikel-Nr. 400988 (CR)/
49070147 (NBR)



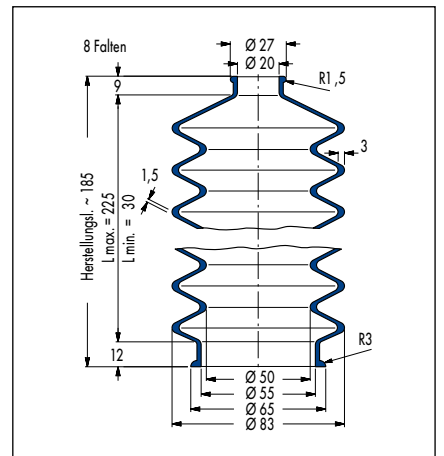
V6-00218, Artikel-Nr. 430858



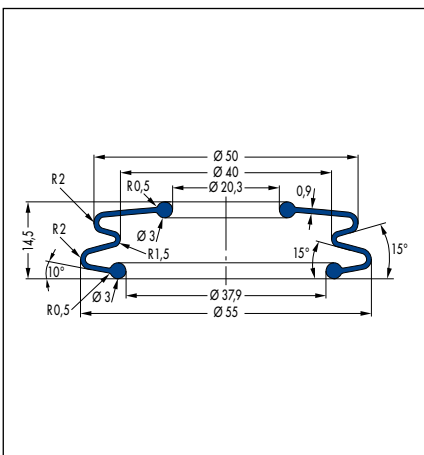
V6-01544, Artikel-Nr. 301805



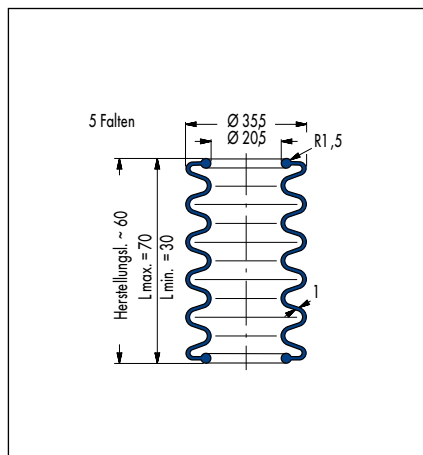
V6-00434, Artikel-Nr. 438213



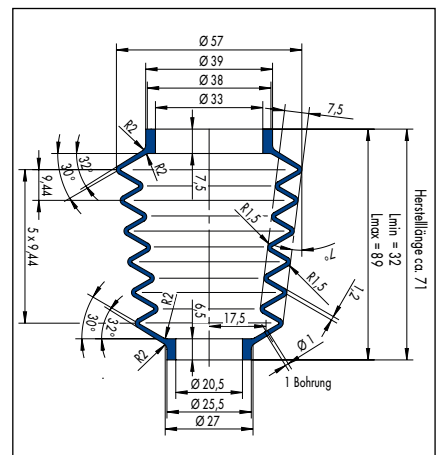
V6-00861, Artikel-Nr. 429667 (42 CR 764)/
429668 (50 CR 879)



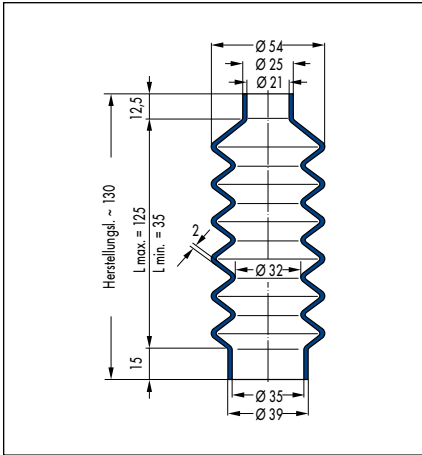
V6-20105, Artikel-Nr. 49332672



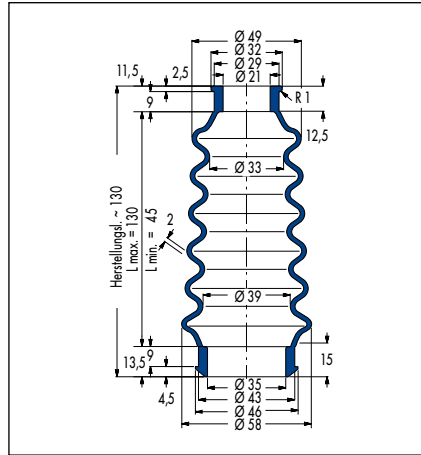
V6-00302, Artikel-Nr. 440318



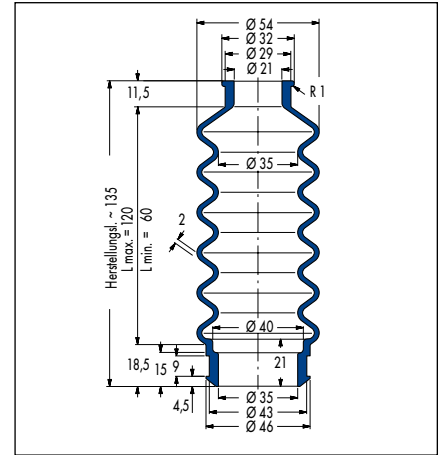
V6-20102, Artikel-Nr. 49469830



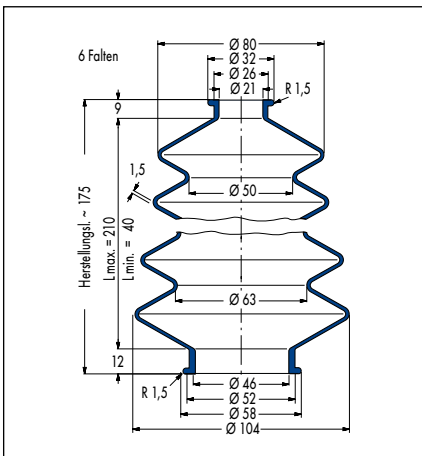
V6-00792, Artikel-Nr. 430861



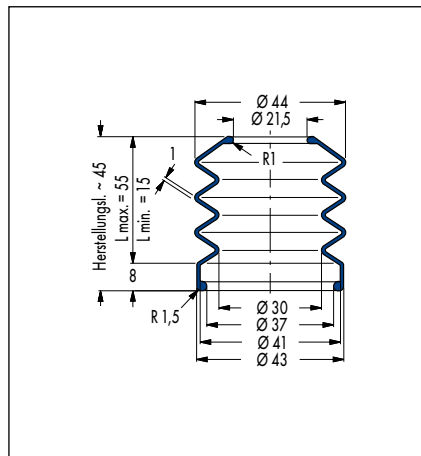
V6-00195, Artikel-Nr. 436916



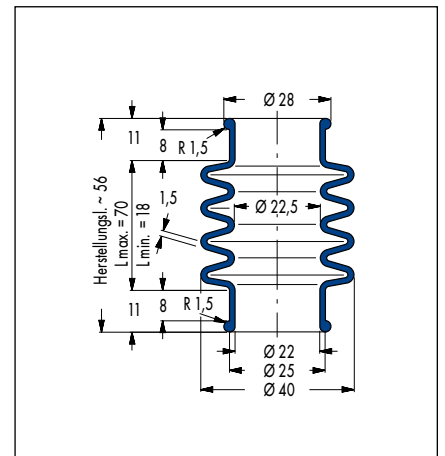
V6-00305, Artikel-Nr. 426323



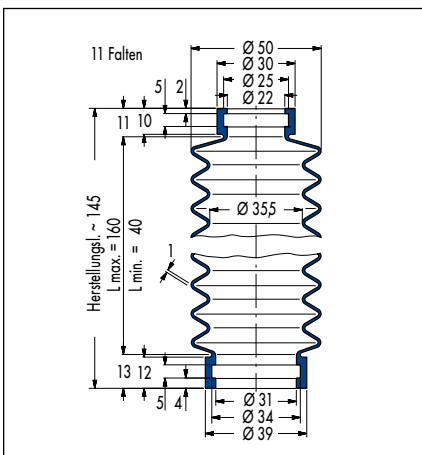
V6-00365, Artikel-Nr. 431649



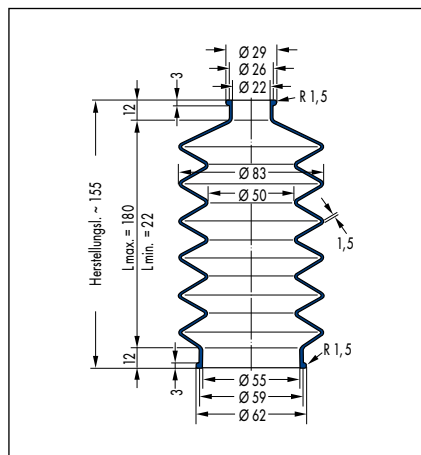
V6-00570, Artikel-Nr. 436744



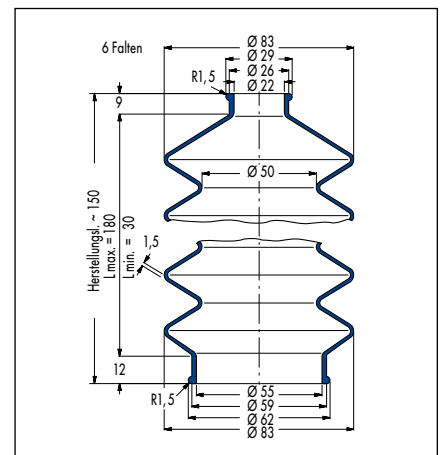
V6-00227, Artikel-Nr. 439167



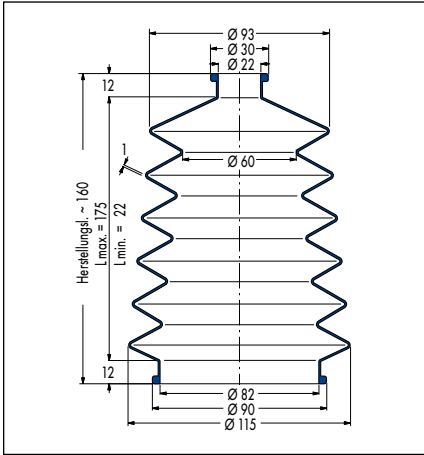
V6-00273, Artikel-Nr. 426370



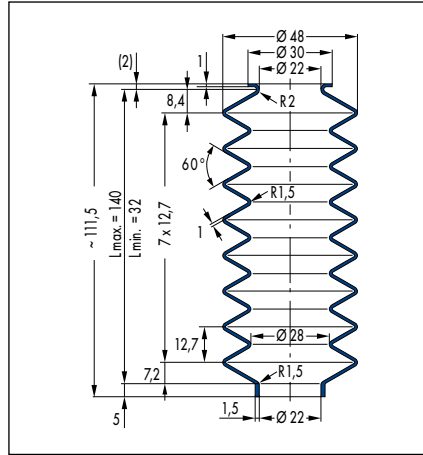
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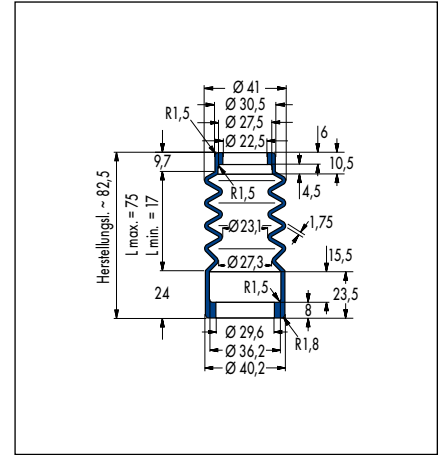
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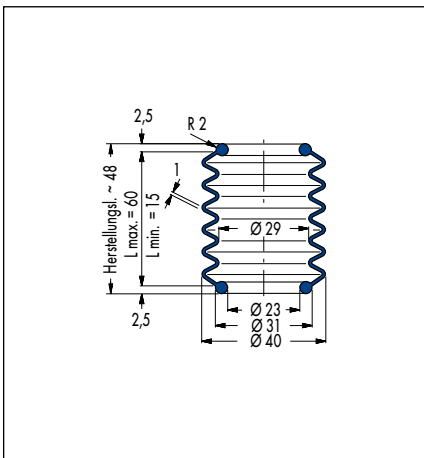
V6-00212, Artikel-Nr. 439178



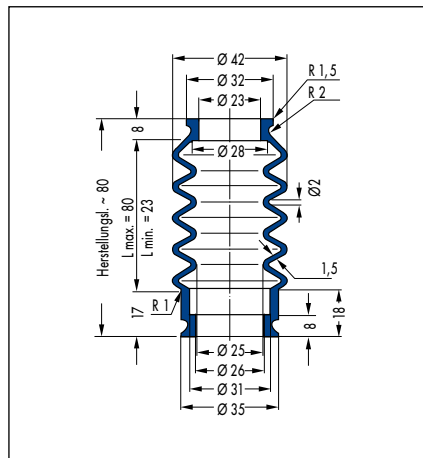
V6-01800, Artikel-Nr. 49365011



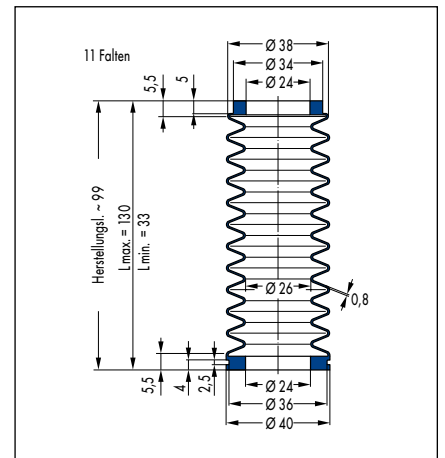
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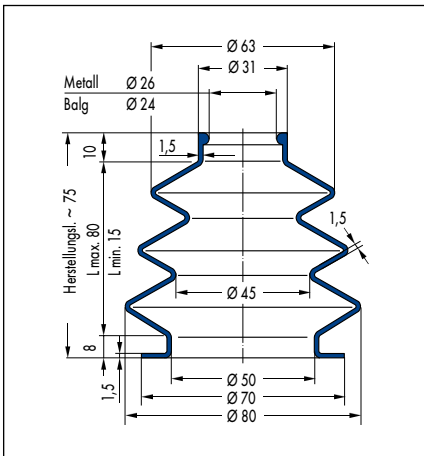
V6-00773, Artikel-Nr. 435481



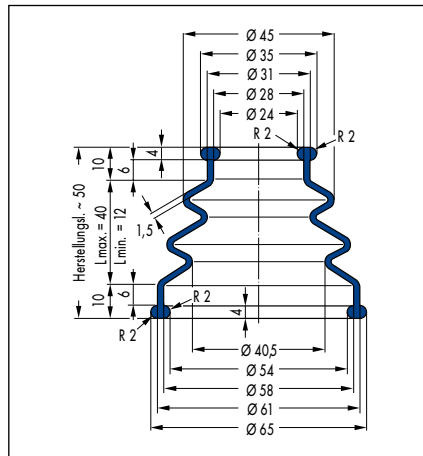
V6-00234, Artikel-Nr. 440348



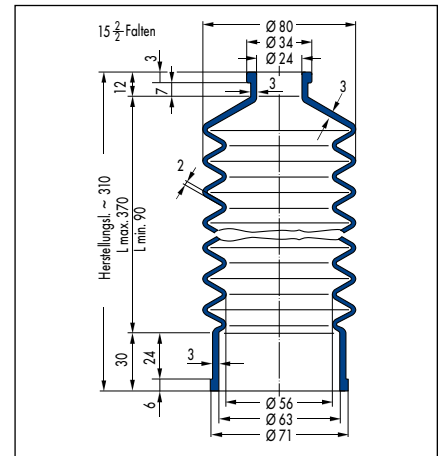
V6-20044, Artikel-Nr. 384441



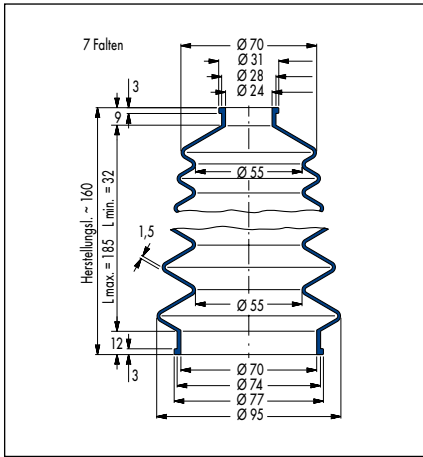
V6-00826, Artikel-Nr. 456489



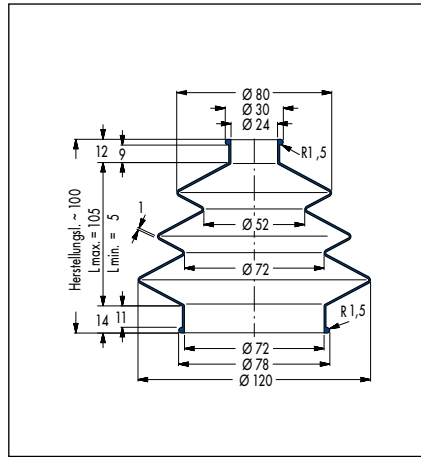
V6-00851, Artikel-Nr. 457841



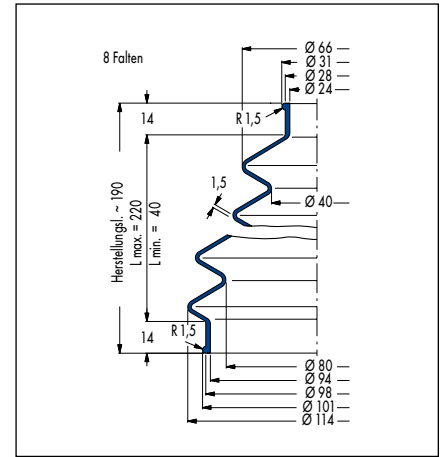
V6-00738, Artikel-Nr. 60037192



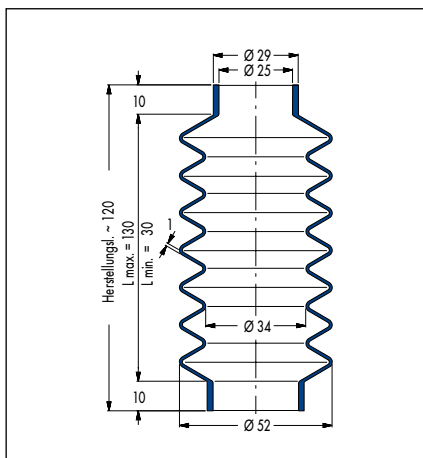
V6-00069, Artikel-Nr. 49312525



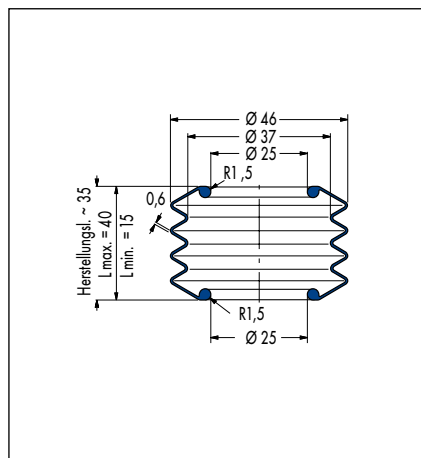
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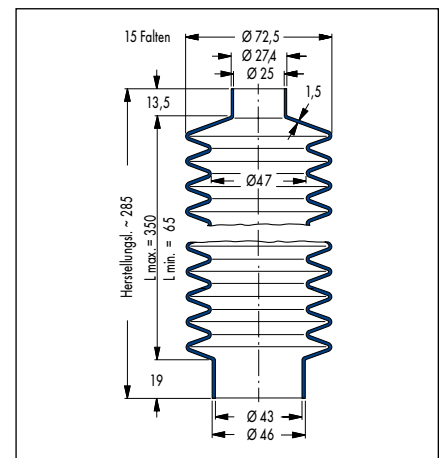
V6-00530, Artikel-Nr. 427267



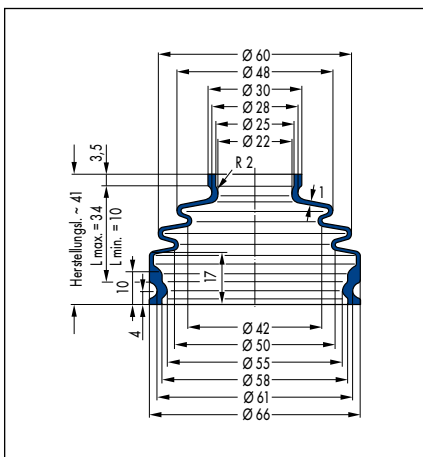
V6-00416, Artikel-Nr. 434015



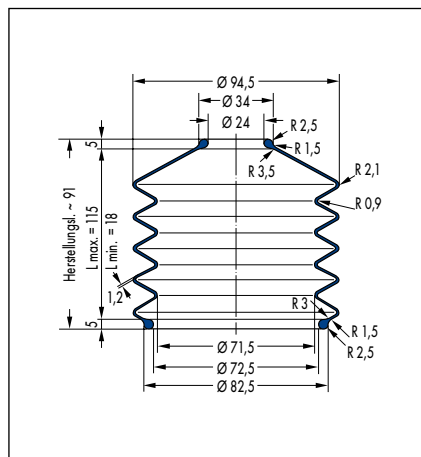
V6-00462, Artikel-Nr. 440279 (CR)/
440283 (NBR)



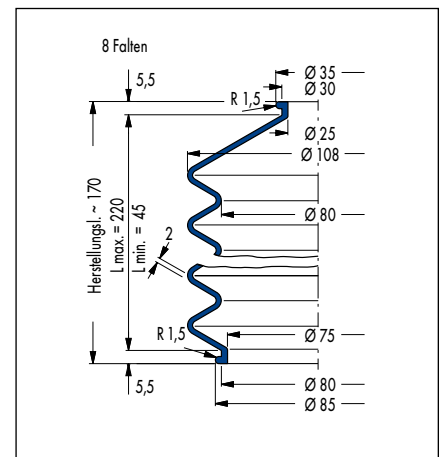
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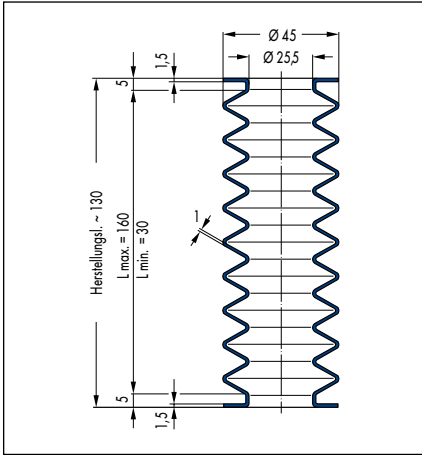
V6-00997, Artikel-Nr. 451314



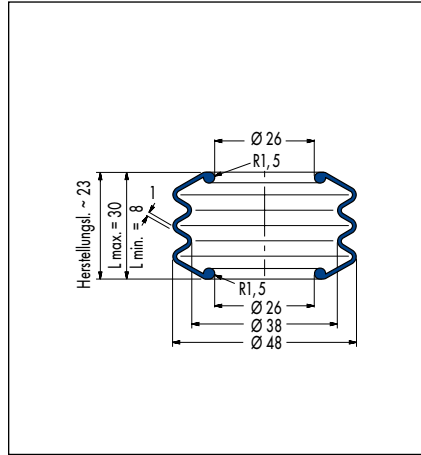
V6-00583, Artikel-Nr. 457502



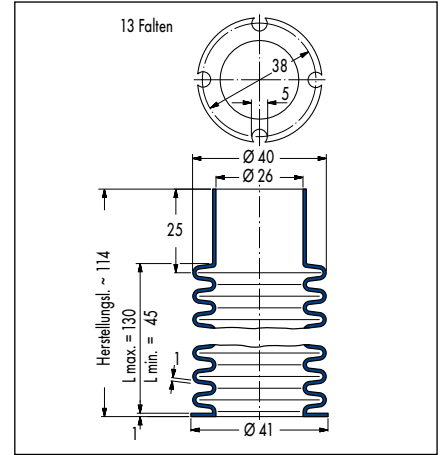
V6-00251, Artikel-Nr. 435518



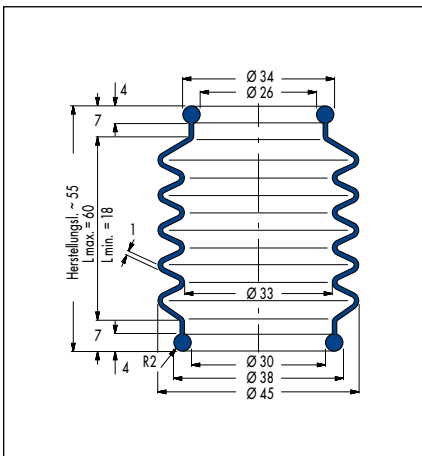
V6-00966, Artikel-Nr. 350974



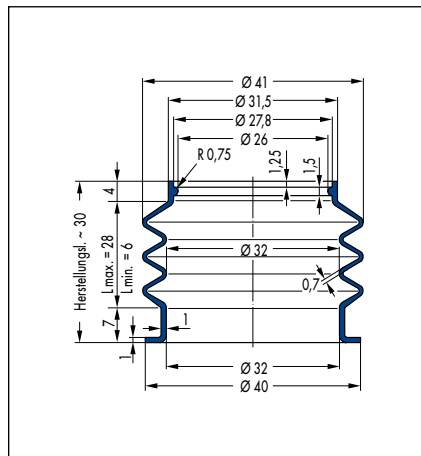
V6-00127, Artikel-Nr. 432585



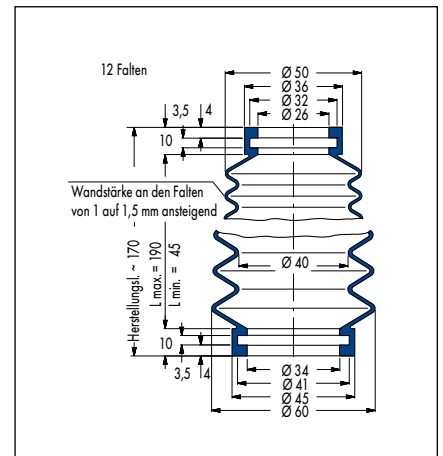
V6-00200, Artikel-Nr. 438022



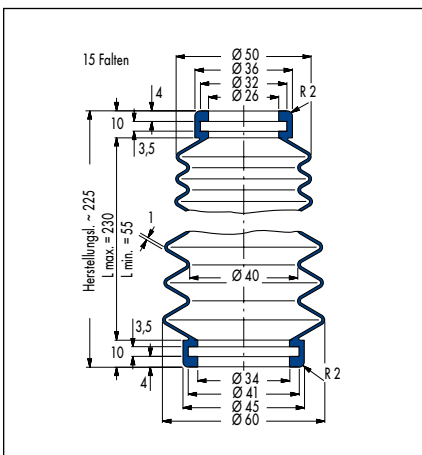
V6-00592, Artikel-Nr. 426382



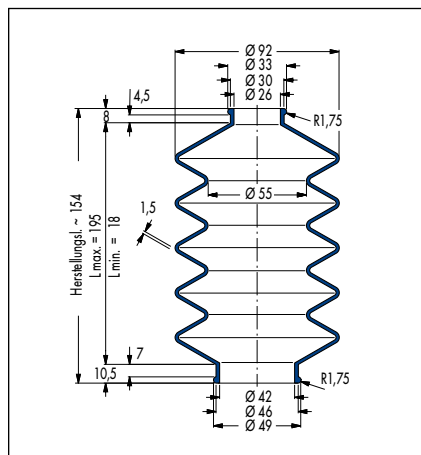
V6-00835, Artikel-Nr. 452564



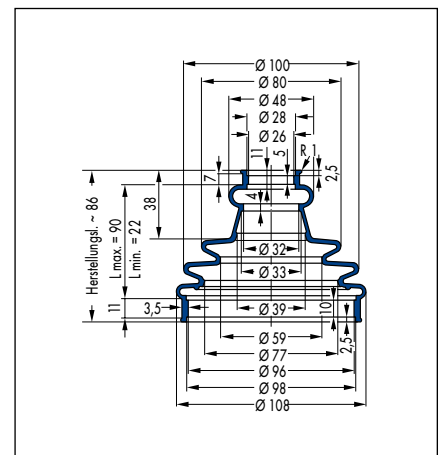
V6-00292, Artikel-Nr. 436699



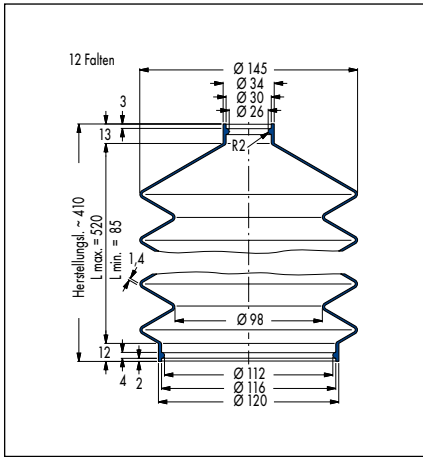
V6-00401, Artikel-Nr. 440291



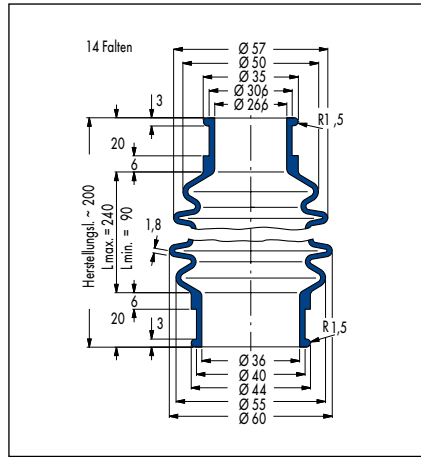
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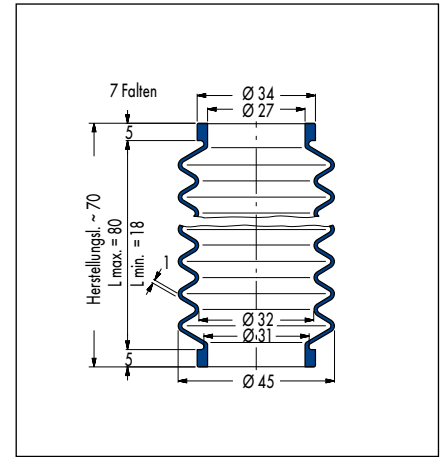
V6-01755, Artikel-Nr. 451384



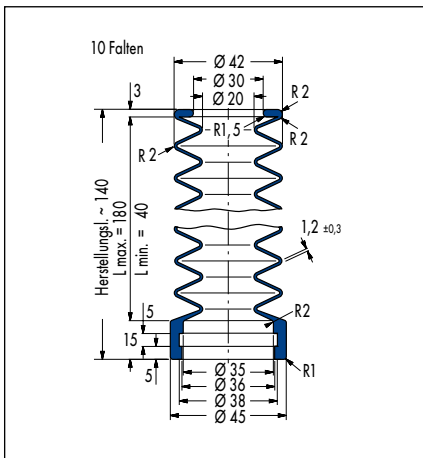
V6-01156, Artikel-Nr. 454245



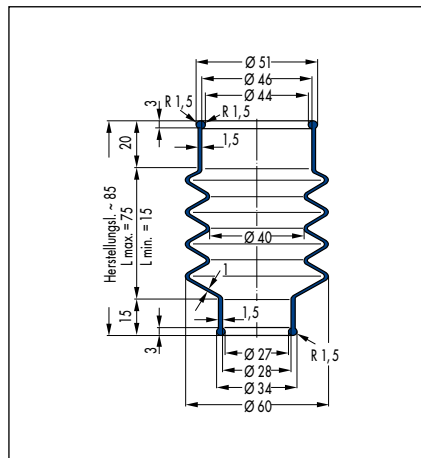
V6-00324, Artikel-Nr. 440316



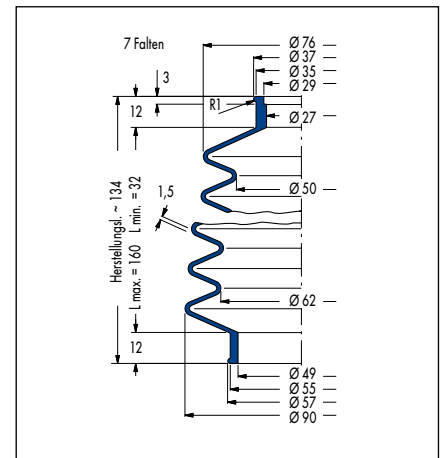
V6-00290, Artikel-Nr. 432590



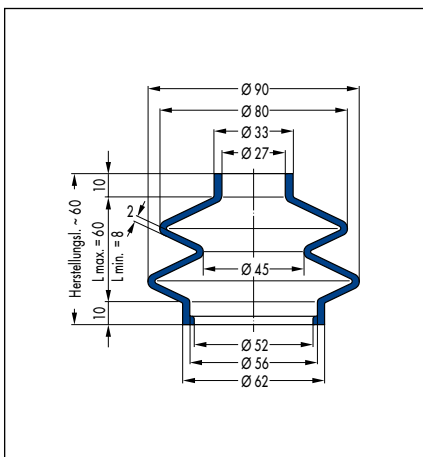
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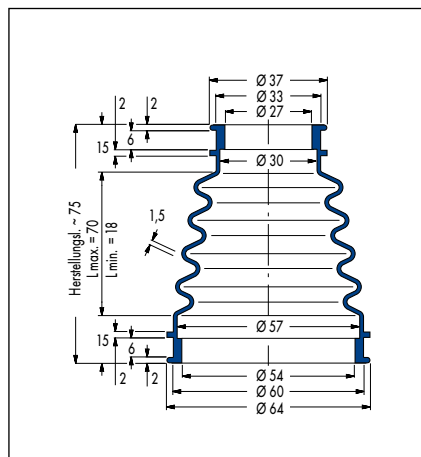
V6-00363, Artikel-Nr. 432594 (CR)/
60034466 (NBR)



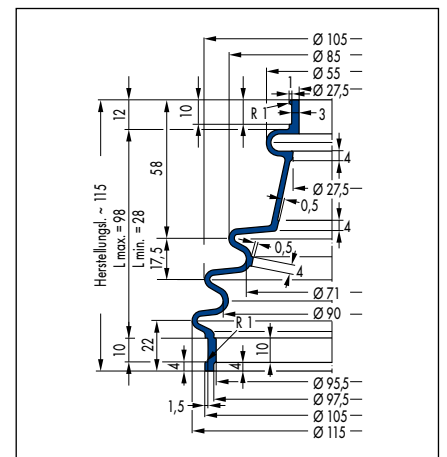
V6-00106, Artikel-Nr. 430856 (NBR)/
430857 (CR)



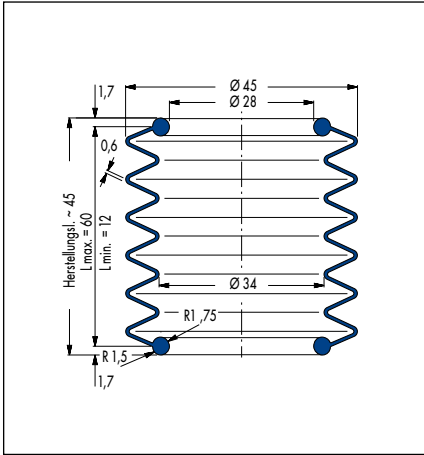
V6-01055, Artikel-Nr. 457773



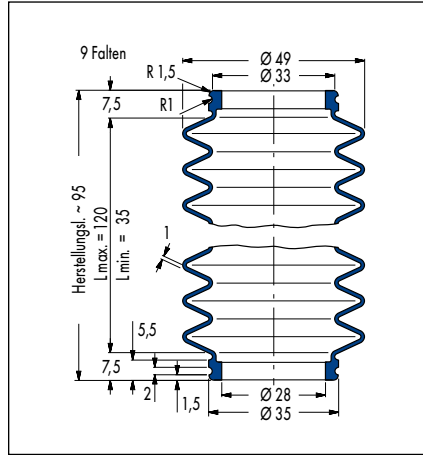
V6-00857, Artikel-Nr. 49312648 (CR)/
49059820 (NBR)



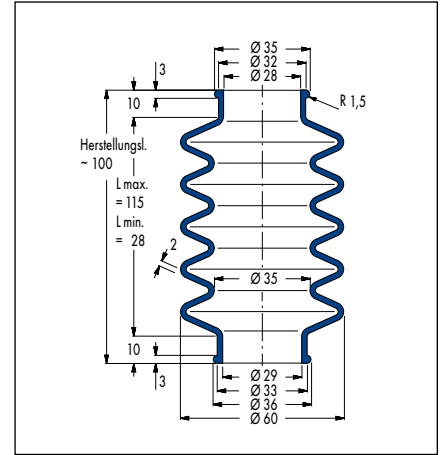
V6-01723, Artikel-Nr. 438571



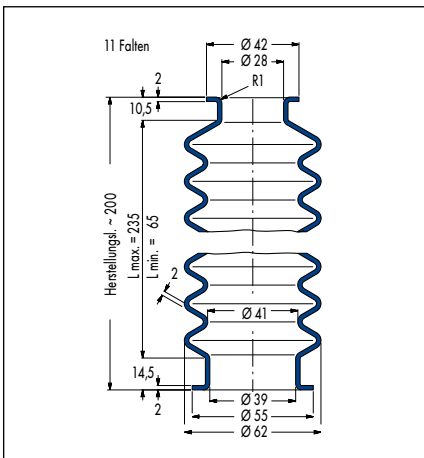
V6-00640, Artikel-Nr. 427268



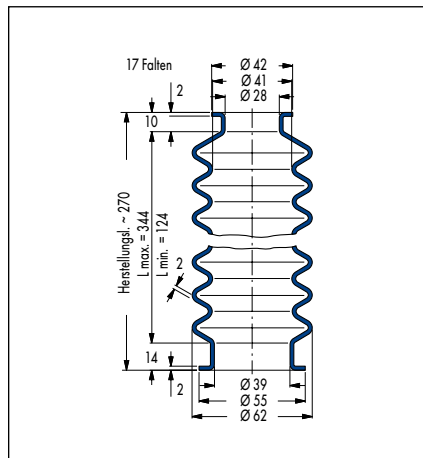
V6-00296, Artikel-Nr. 426795



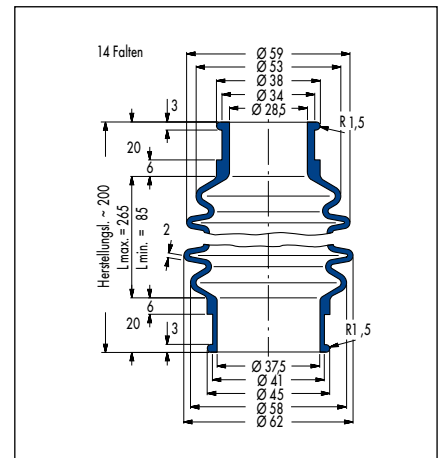
V6-00594, Artikel-Nr. 429662 (CR)/
49067648 (NBR)



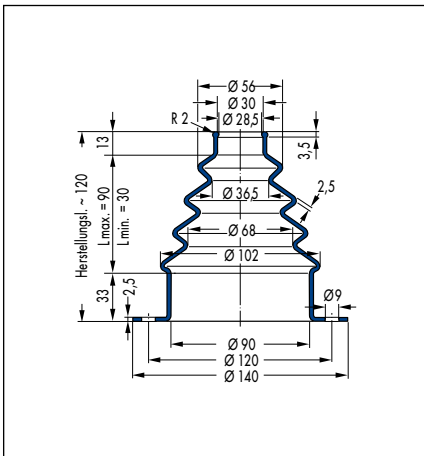
V6-00755, Artikel-Nr. 451312



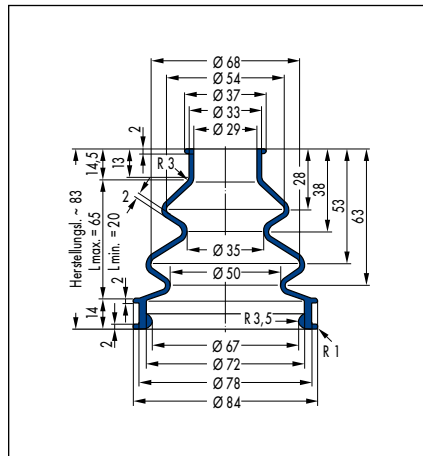
V6-00201, Artikel-Nr. 49312542



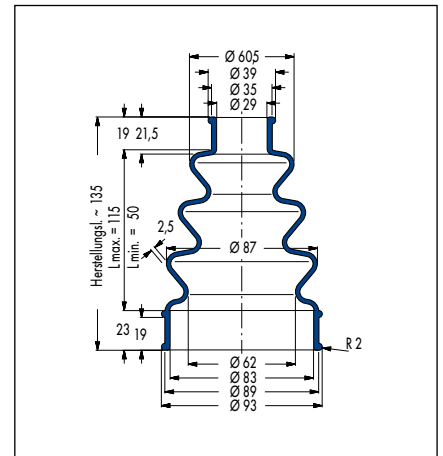
V6-00325, Artikel-Nr. 426794



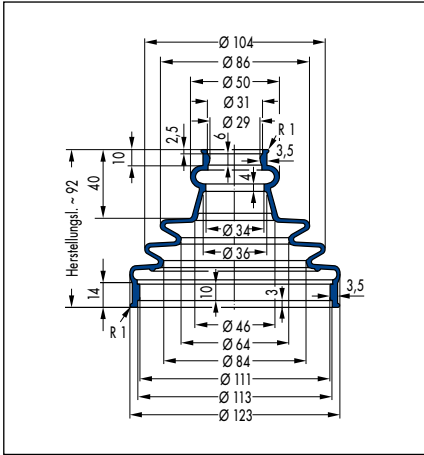
V6-00475, Artikel-Nr. 400708



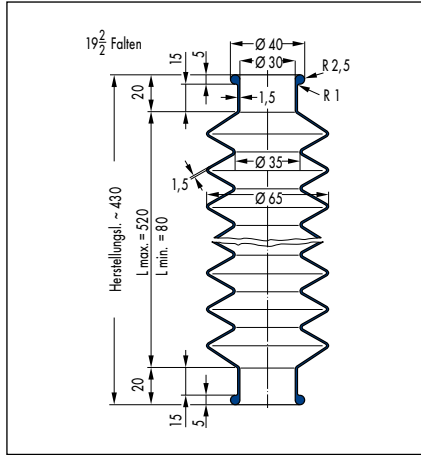
V6-01023, Artikel-Nr. 454488



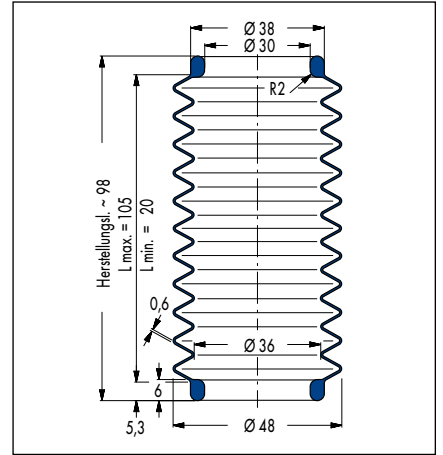
V6-00384, Artikel-Nr. 440317



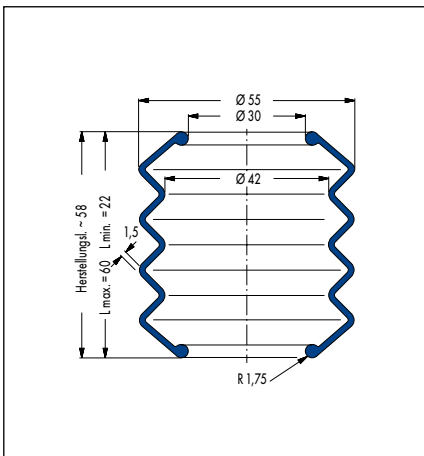
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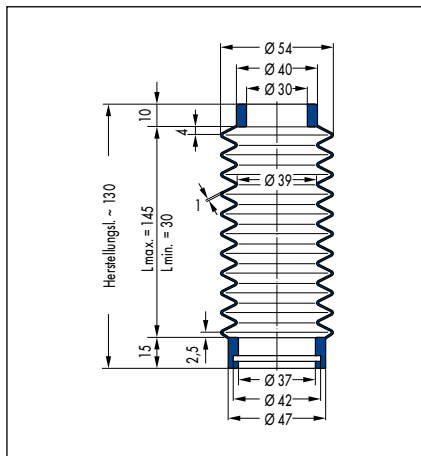
V6-00589, Artikel-Nr. 15267



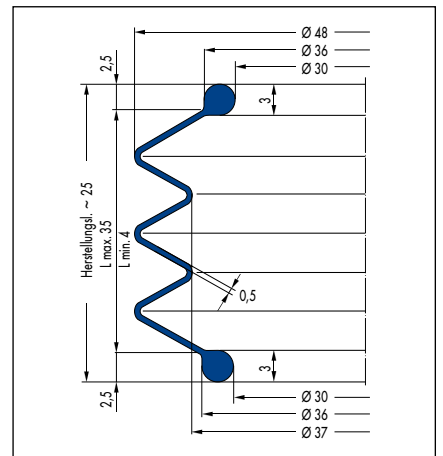
V6-00904, Artikel-Nr. 375419



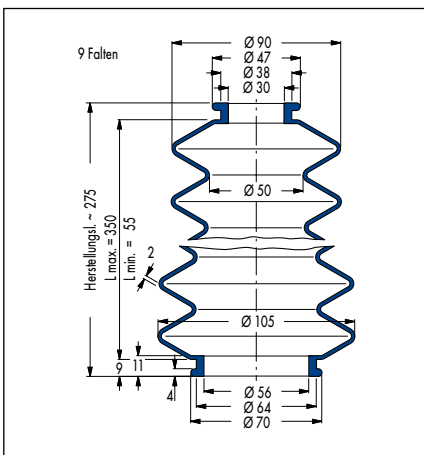
V6-00422, Artikel-Nr. 428310



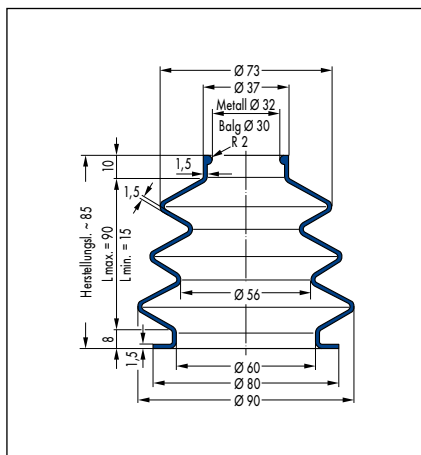
V6-00824, Artikel-Nr. 368141



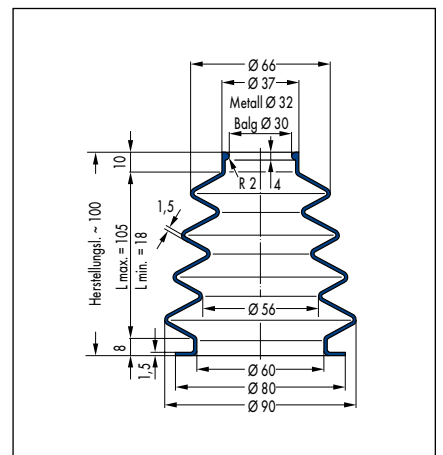
V6-00720, Artikel-Nr. 400804



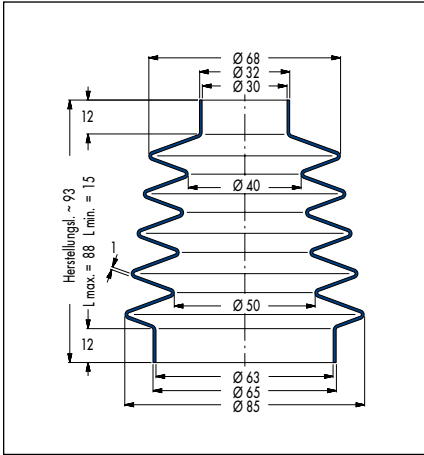
V6-00456, Artikel-Nr. 49312336



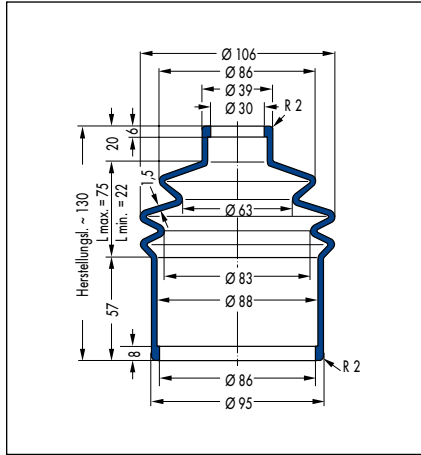
V6-00805, Artikel-Nr. 365839



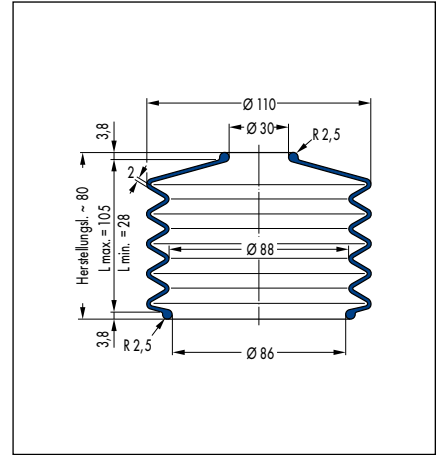
V6-00827, Artikel-Nr. 355702



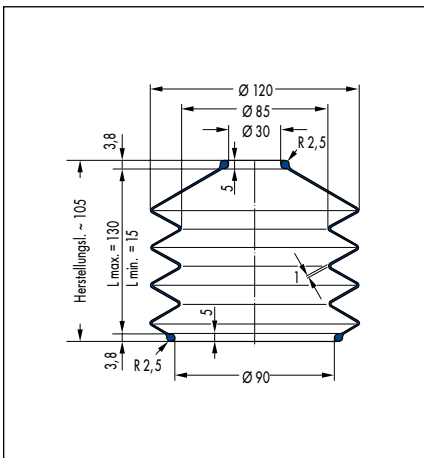
V6-01329, Artikel-Nr. 60305



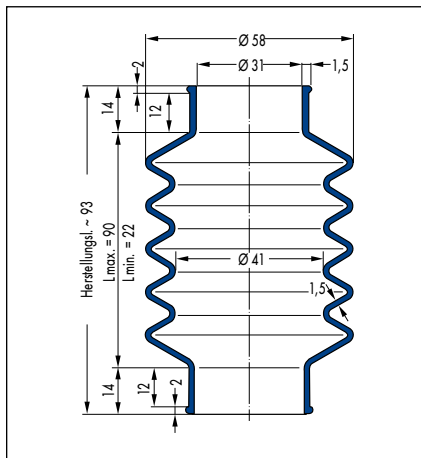
V6-00314, Artikel-Nr. 451741



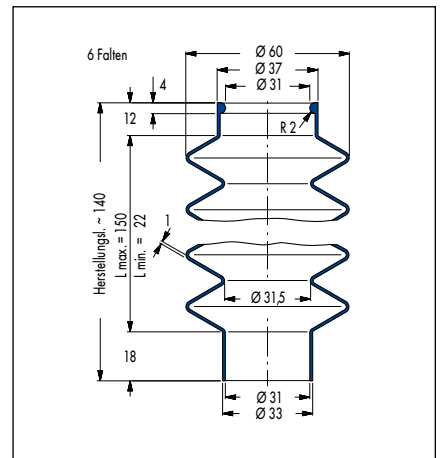
V6-00903, Artikel-Nr. 438936



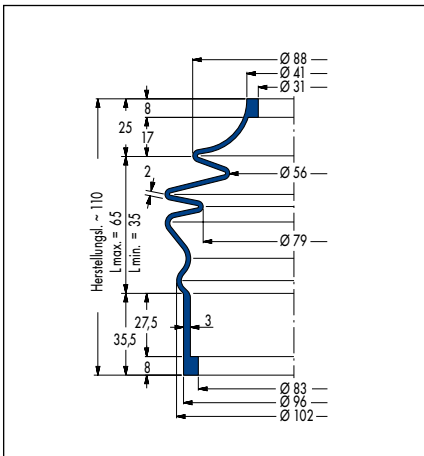
V6-00584, Artikel-Nr. 375144



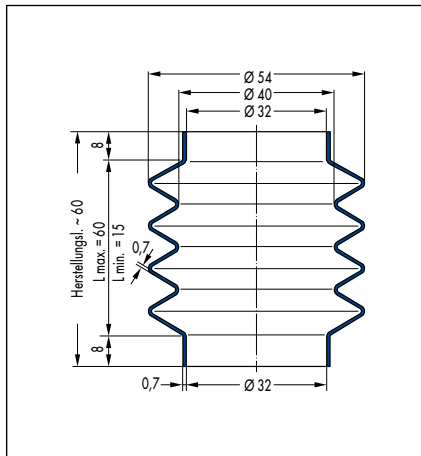
V6-00448, Artikel-Nr. 122870 (50 CR 879)/
49046170 (60 CR 176307)



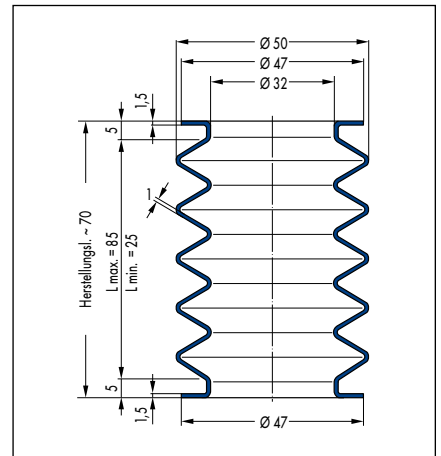
V6-00603, Artikel-Nr. 438548



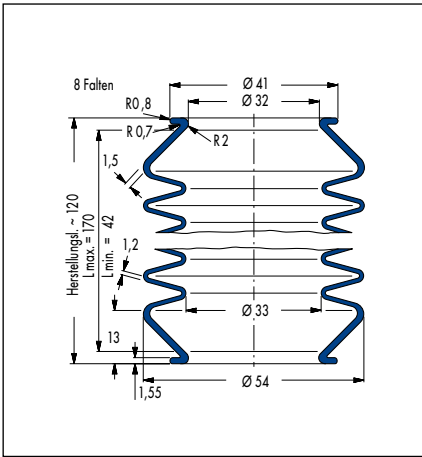
V6-00206, Artikel-Nr. 428315



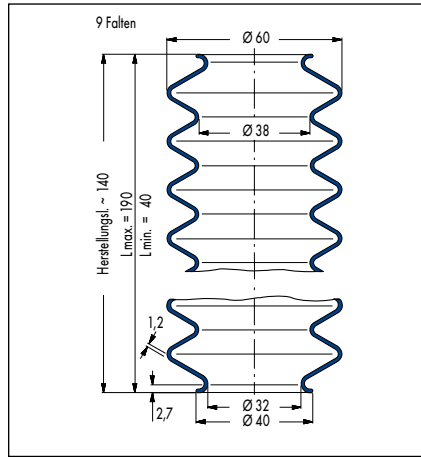
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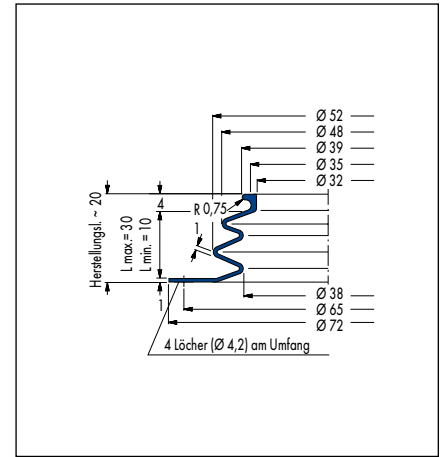
V6-00965, Artikel-Nr. 453784



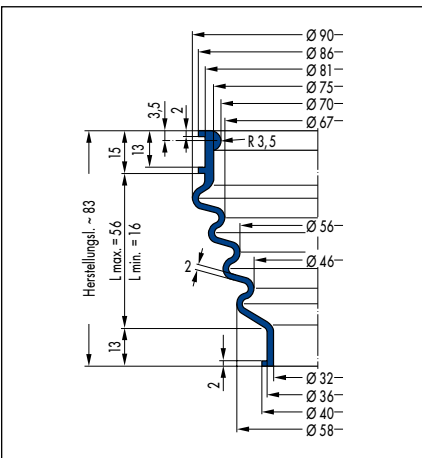
V6-00209, Artikel-Nr. 439186



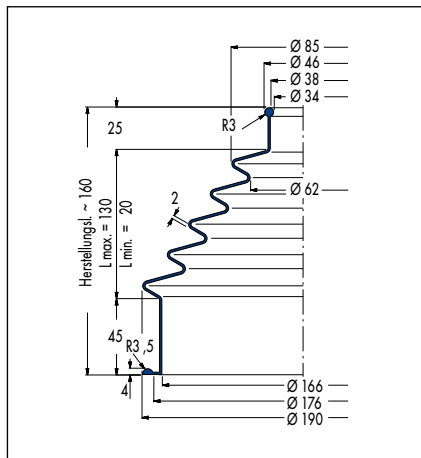
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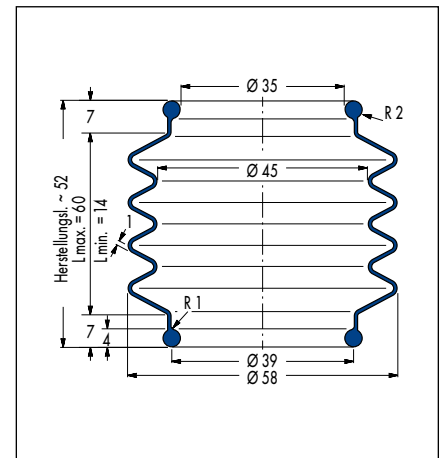
V6-00736, Artikel-Nr. 426374



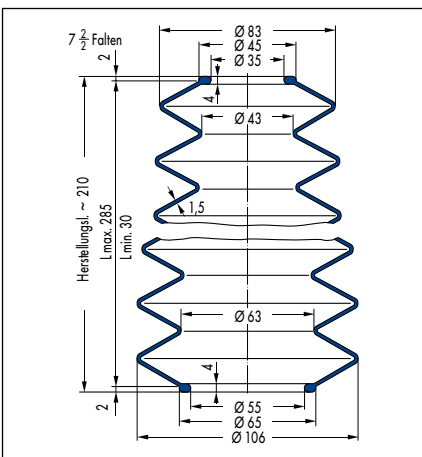
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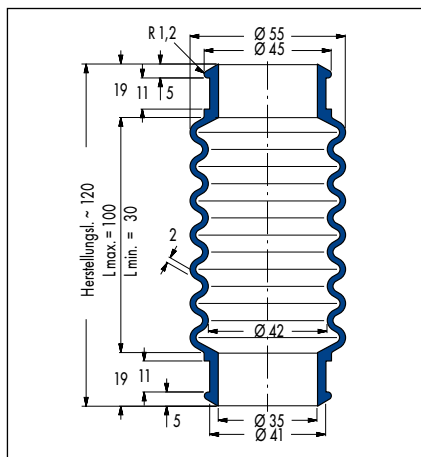
V6-00925, Artikel-Nr. 454474



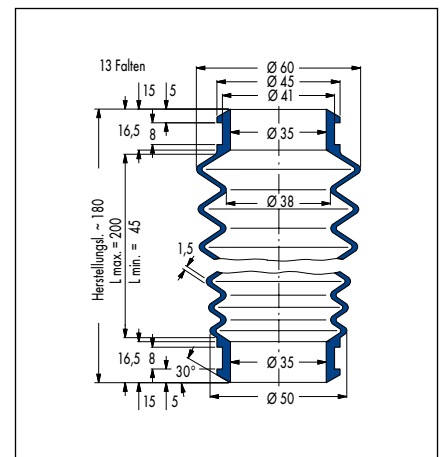
V6-00659, Artikel-Nr. 424147



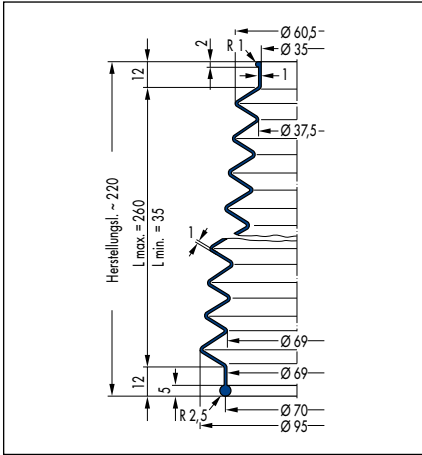
V6-00652, Artikel-Nr. 457563



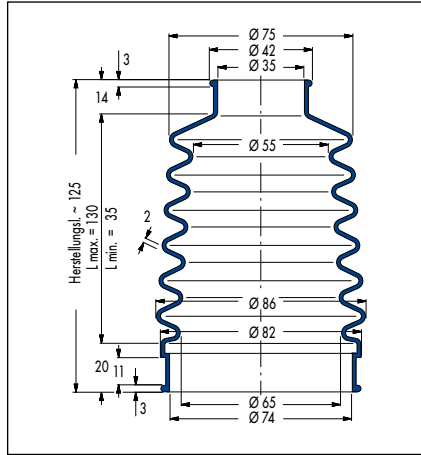
V6-00281, Artikel-Nr. 427264



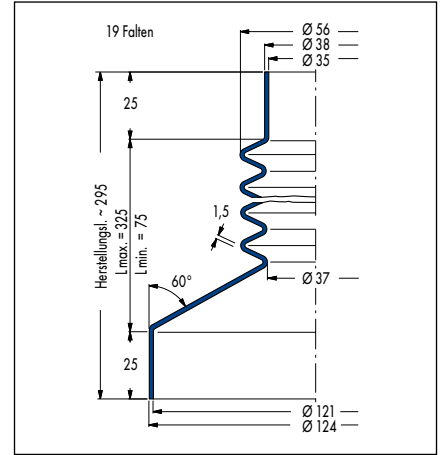
V6-00266, Artikel-Nr. 429647



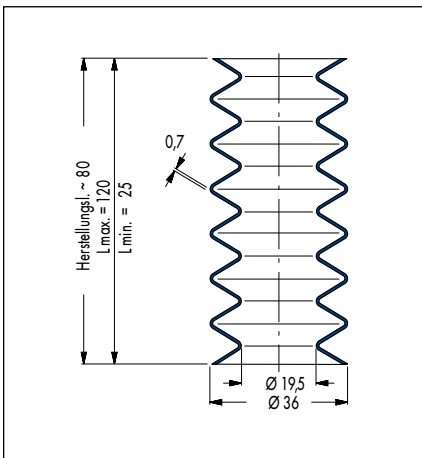
V6-01080, Artikel-Nr. 457509



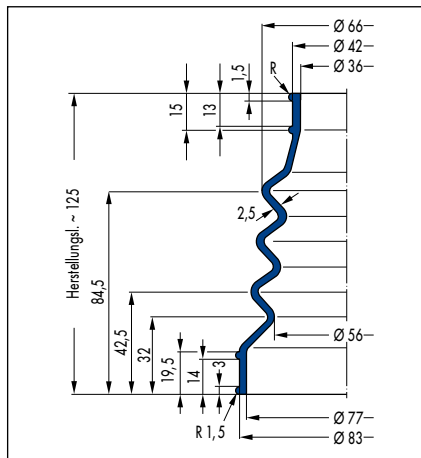
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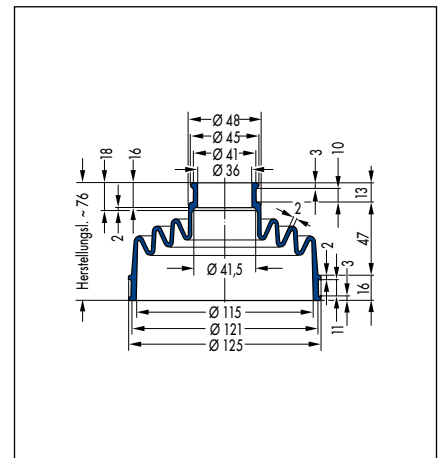
V6-00117, Artikel-Nr. 29288



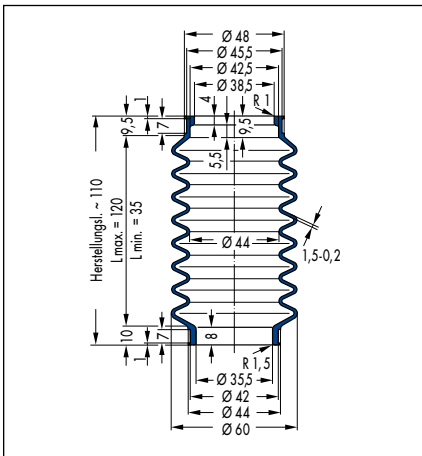
V6-00053, Artikel-Nr. 435517



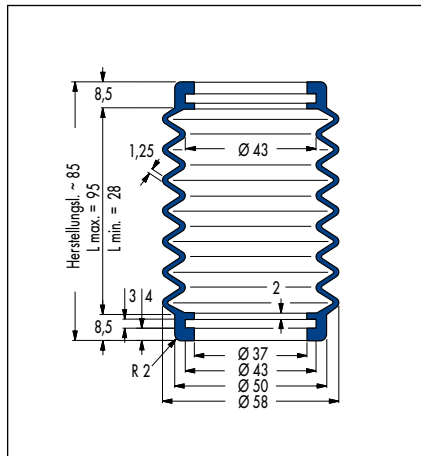
V6-01449, Artikel-Nr. 152544



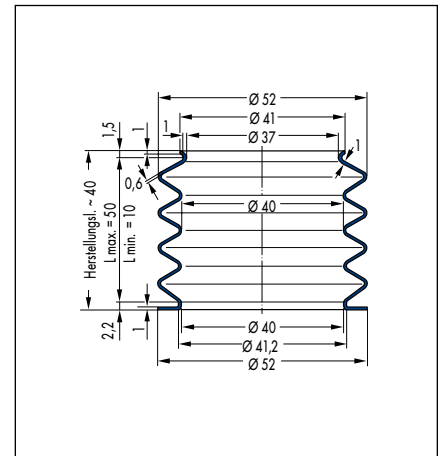
V6-00419, Artikel-Nr. 507686



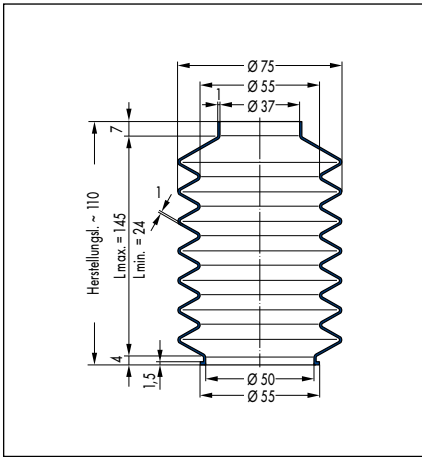
V6-00204, Artikel-Nr. 439168



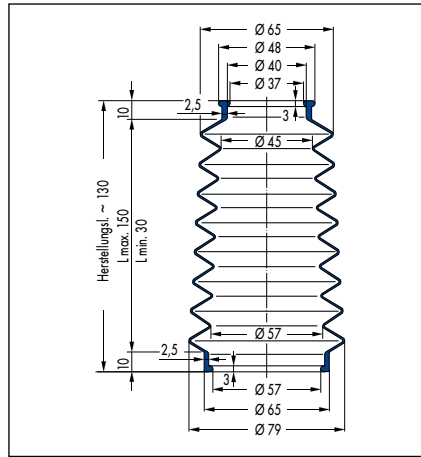
V6-00308, Artikel-Nr. 427265



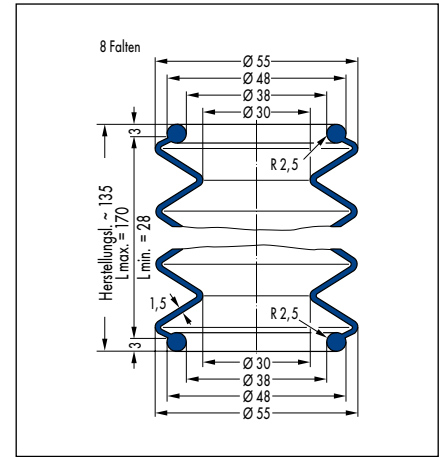
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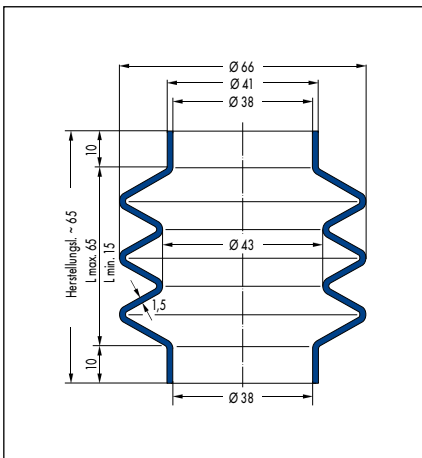
V6-00790, Artikel-Nr. 29965



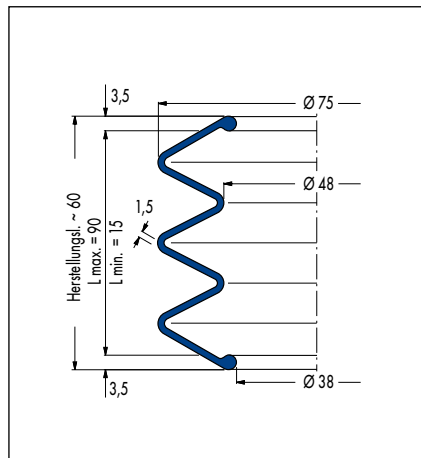
V6-00823, Artikel-Nr. 400862



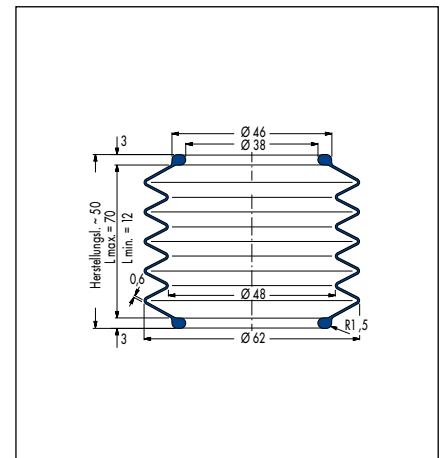
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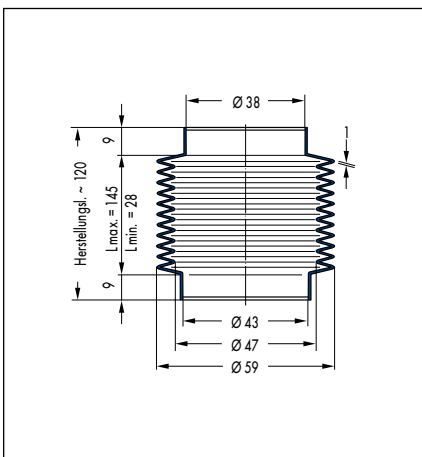
V6-00808, Artikel-Nr. 439042



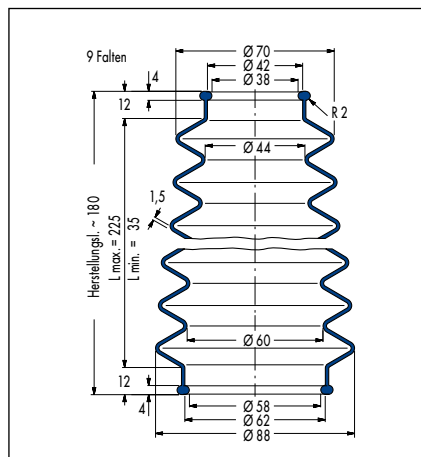
V6-00429, Artikel-Nr. 431588



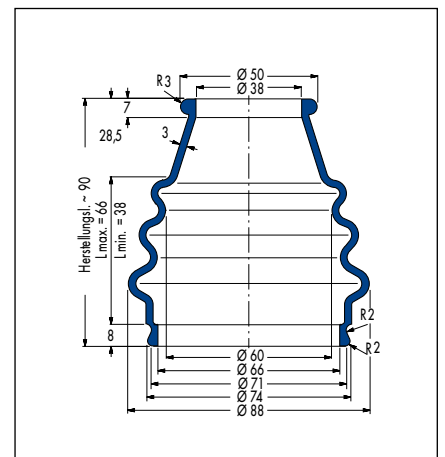
V6-00662, Artikel-Nr. 49312622



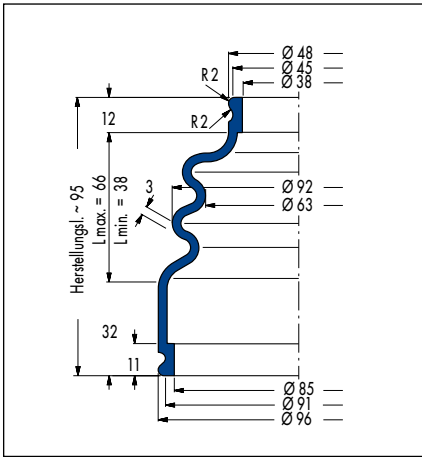
V6-00230, Artikel-Nr. 439434



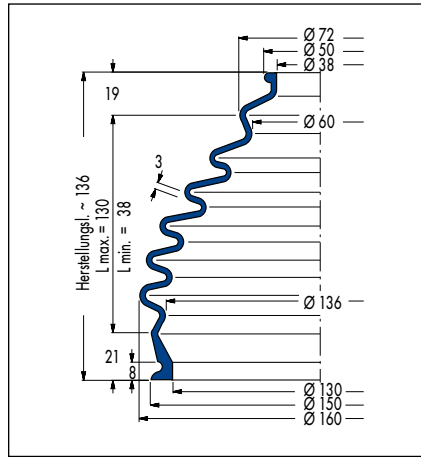
V6-00619, Artikel-Nr. 431955 (CR)/
431957 (NBR)



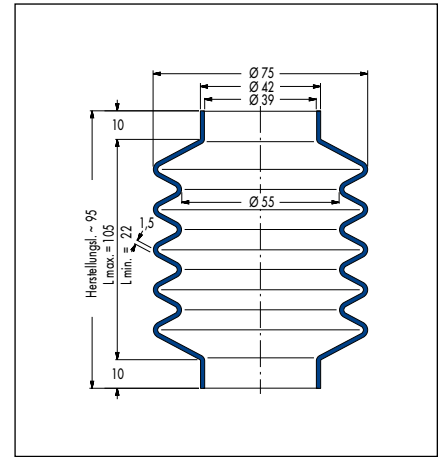
V6-00190, Artikel-Nr. 438014



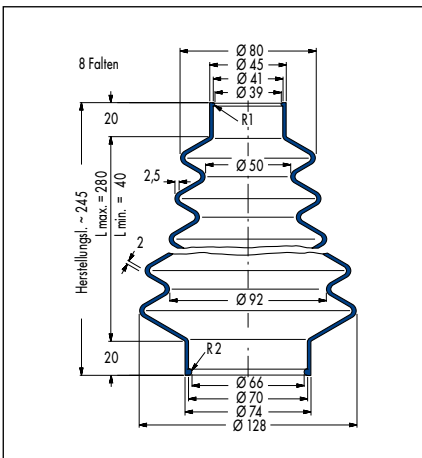
V6-00191, Artikel-Nr. 428311



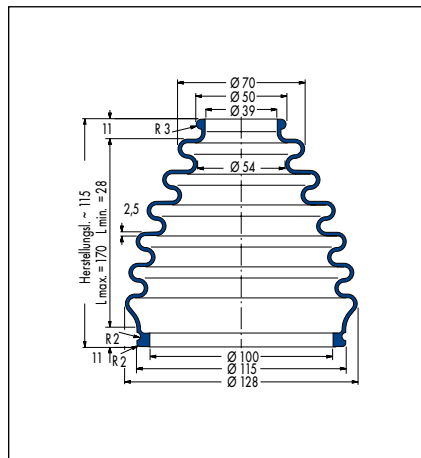
V6-00199, Artikel-Nr. 438027



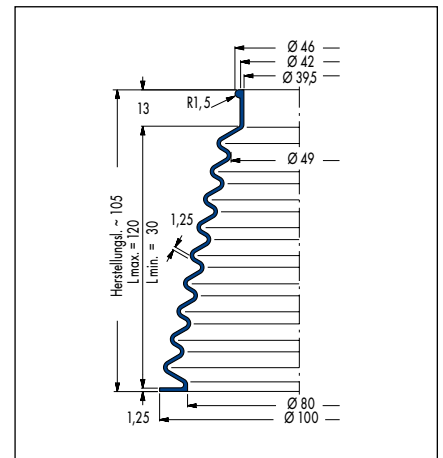
V6-00321, Artikel-Nr. 429648



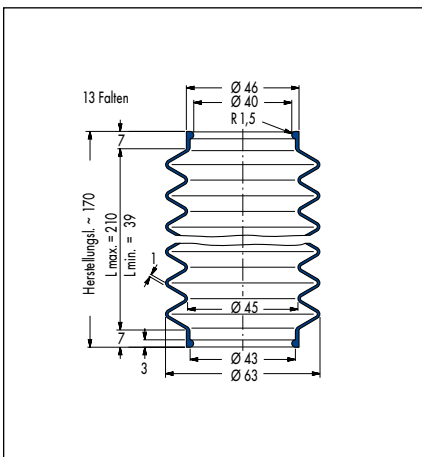
V6-00556, Artikel-Nr. 29735



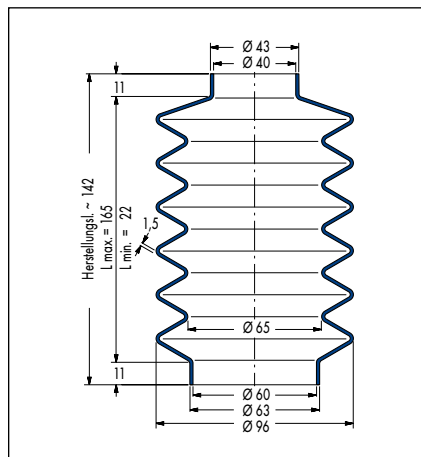
V6-00060, Artikel-Nr. 428322



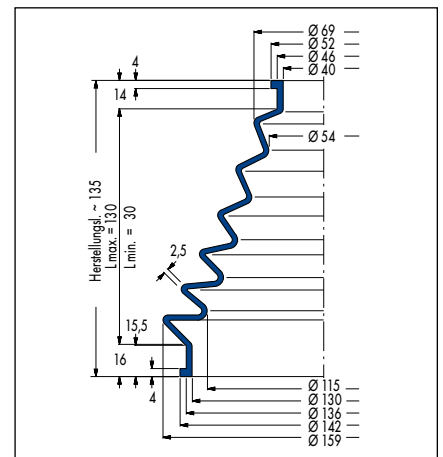
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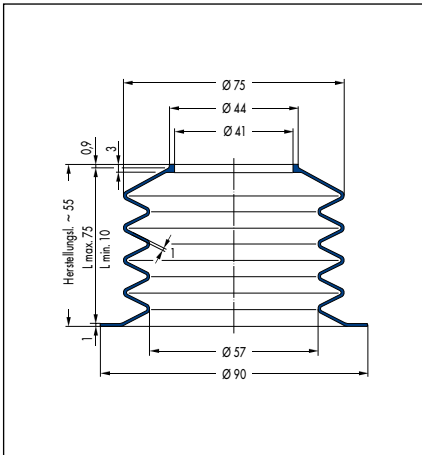
V6-00801, Artikel-Nr. 438557 (50 CR 879)/
440760 (42 CR 764)



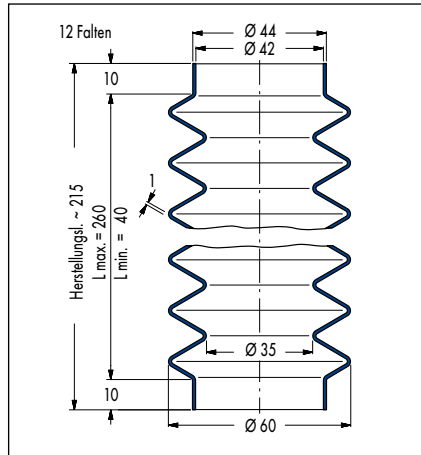
V6-00072, Artikel-Nr. 434088



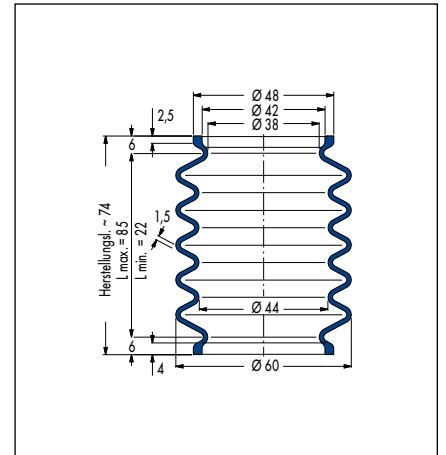
V6-00092, Artikel-Nr. 434425



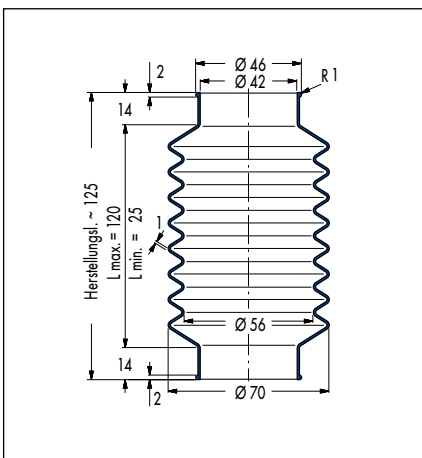
V6-00700, Artikel-Nr. 153008



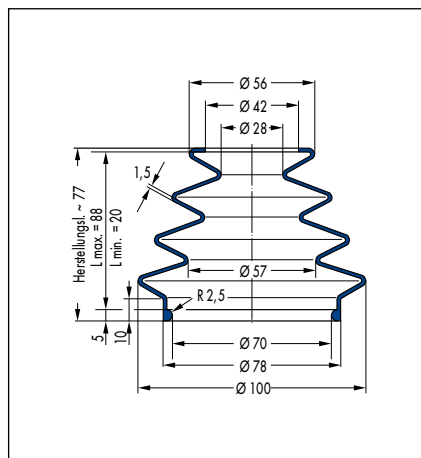
V6-00637, Artikel-Nr. 438549



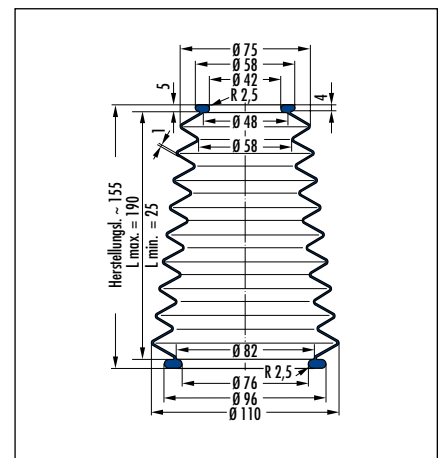
V6-00268, Artikel-Nr. 432119



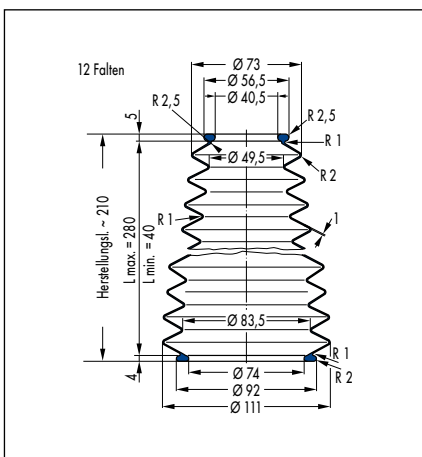
V6-00536, Artikel-Nr. 426801



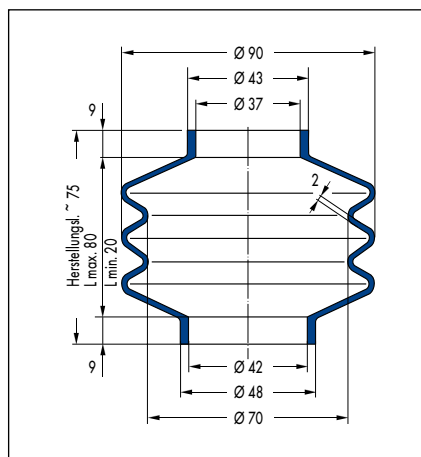
V6-20195, Artikel-Nr. 501096



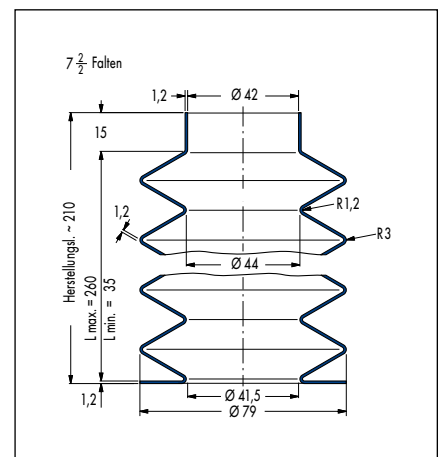
V6-00328, Artikel-Nr. 432424 (42 CR 764)/
454213 (50 CR 879)



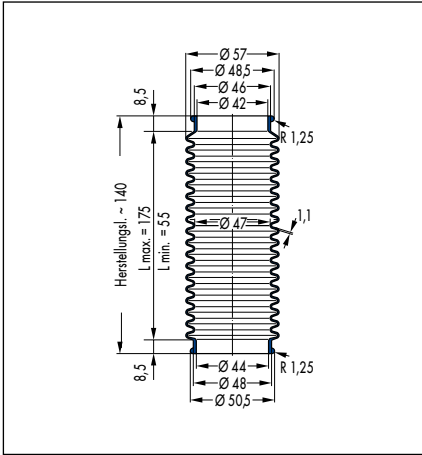
V6-00562, Artikel-Nr. 29741



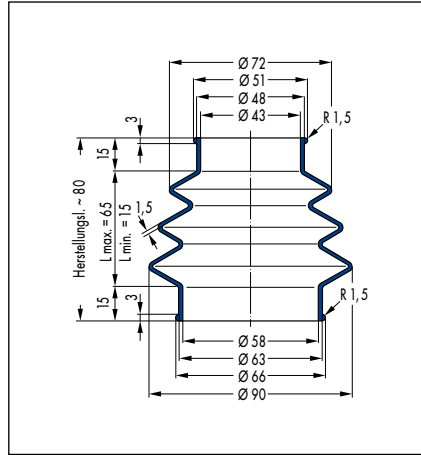
V6-01030, Artikel-Nr. 400918



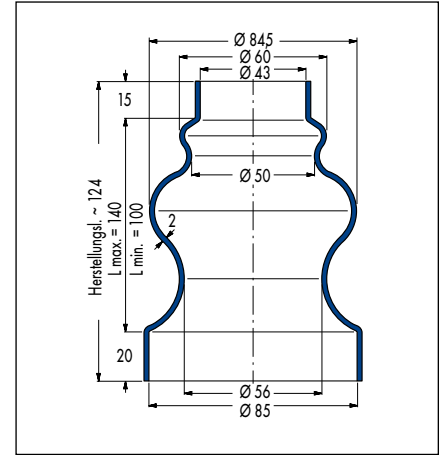
V6-00626, Artikel-Nr. 437270



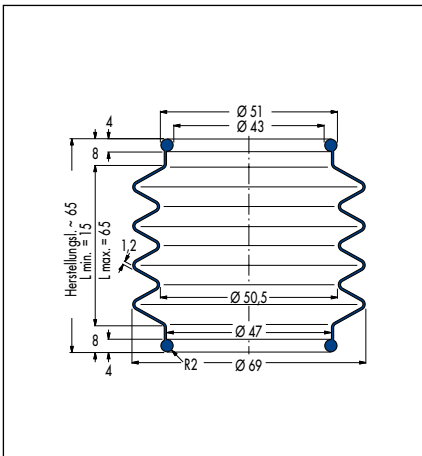
V6-00449, Artikel-Nr. 456484



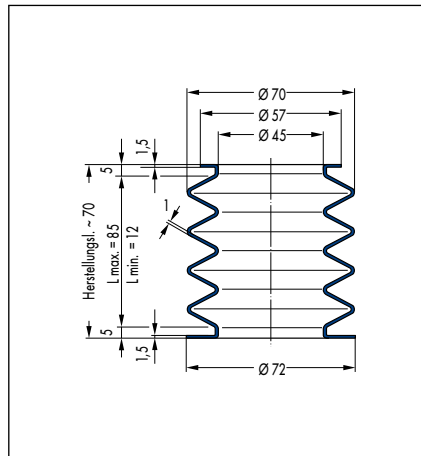
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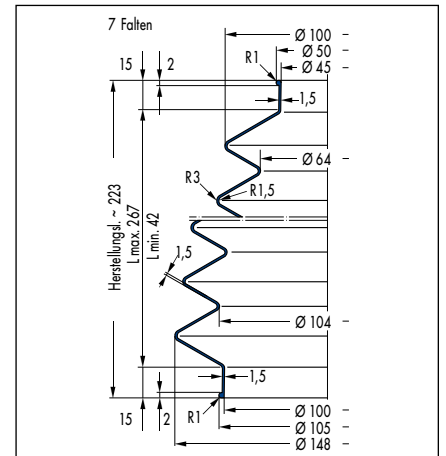
V6-00012, Artikel-Nr. 426317 (42 CR 764)/
60032051 (45 NBR 670)



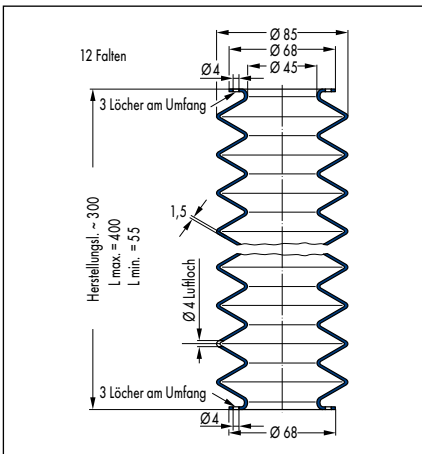
V6-00784, Artikel-Nr. 432192



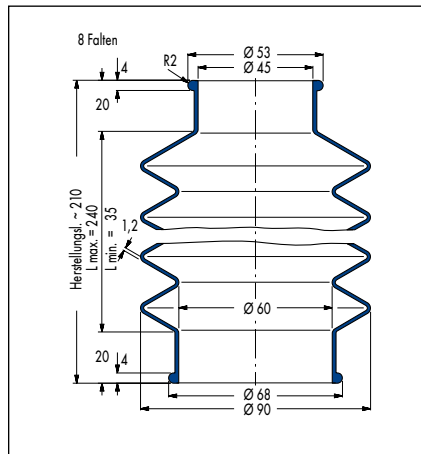
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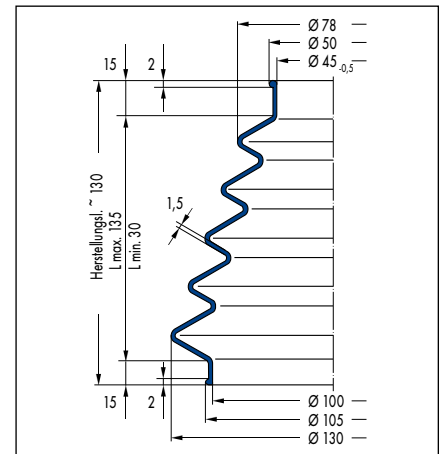
V6-01046, Artikel-Nr. 400920



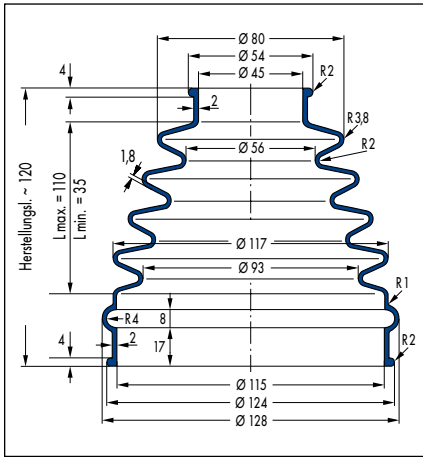
V6-01075, Artikel-Nr. 400934



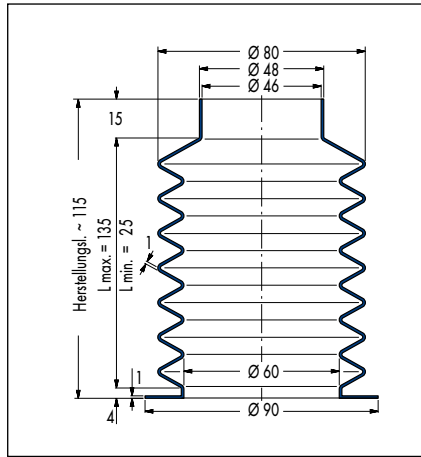
V6-00593, Artikel-Nr. 439497 (42 CR 764)/
439499 (50 CR 879)



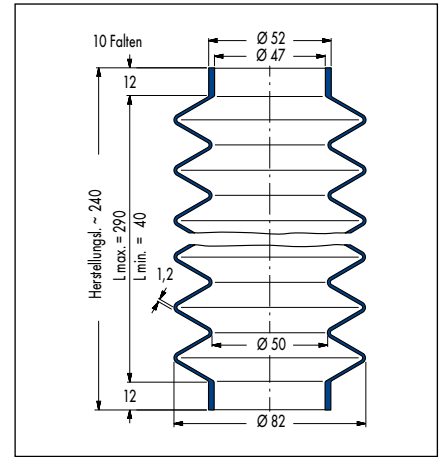
V6-01047, Artikel-Nr. 454226



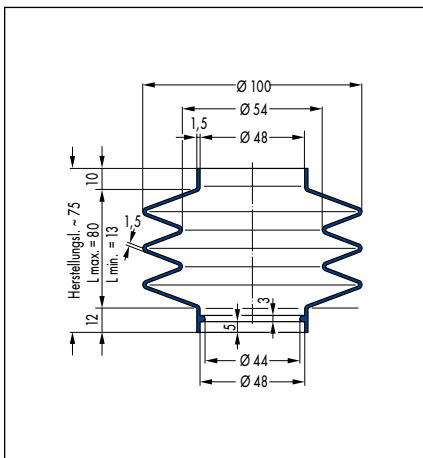
V6-00507, Artikel-Nr. 452565



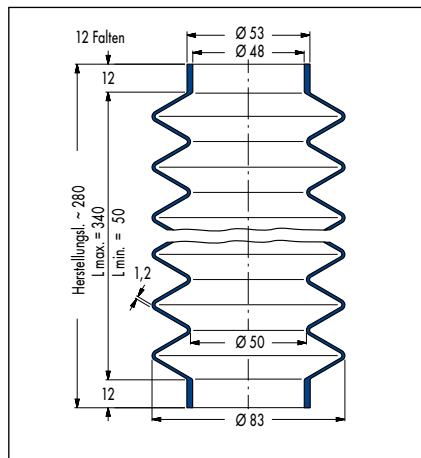
V6-00466, Artikel-Nr. 430847



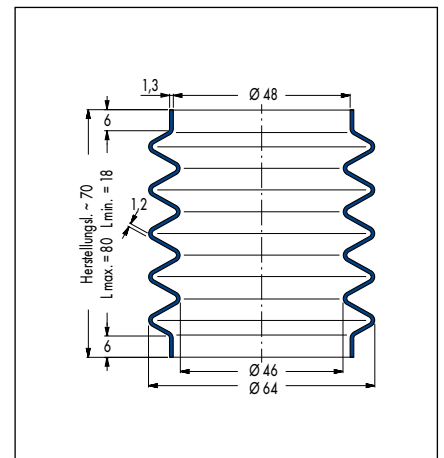
V6-01022, Artikel-Nr. 49344567 (CR)/
49344592 (NBR)



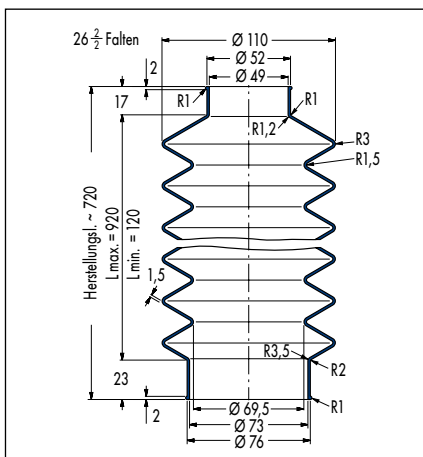
V6-01136, Artikel-Nr. 425266



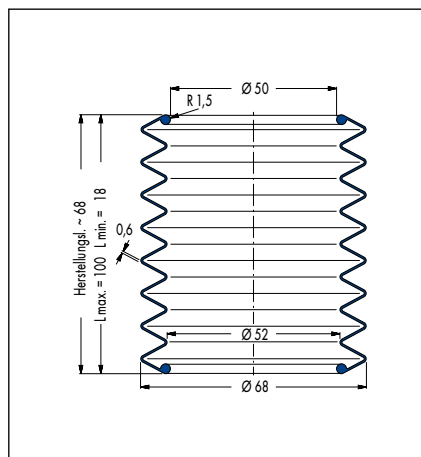
V6-01165, Artikel-Nr. 454248



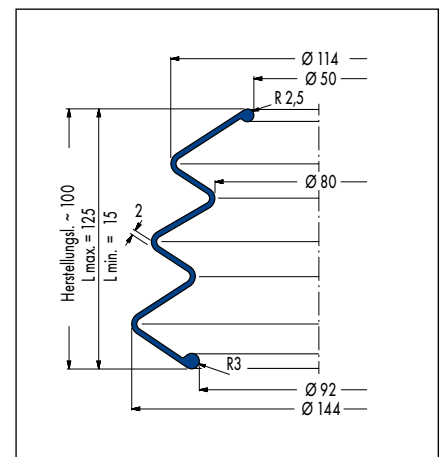
V6-00541, Artikel-Nr. 25105



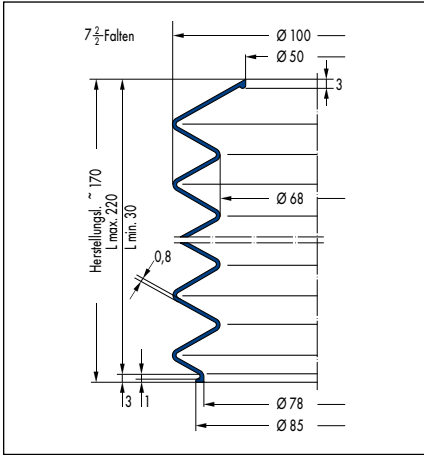
V6-00723, Artikel-Nr. 29915



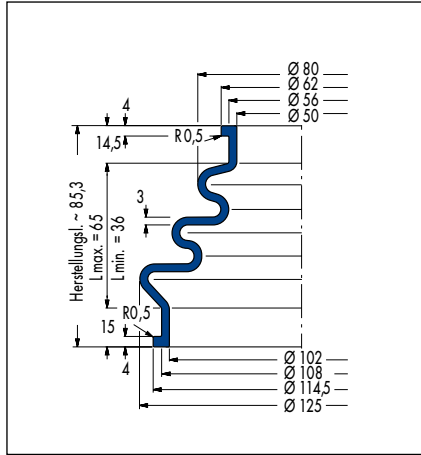
V6-00742, Artikel-Nr. 426388



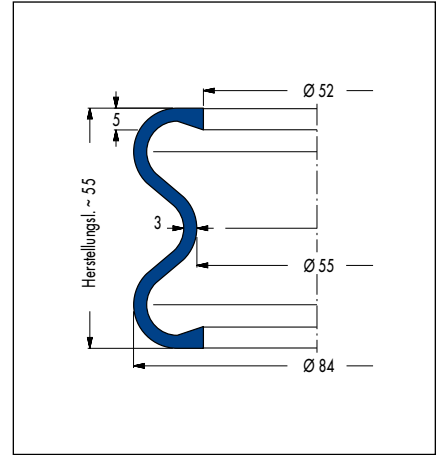
V6-00821, Artikel-Nr. 25235



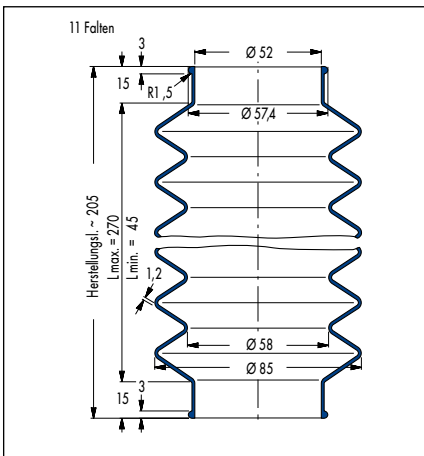
V6-01029, Artikel-Nr. 20231



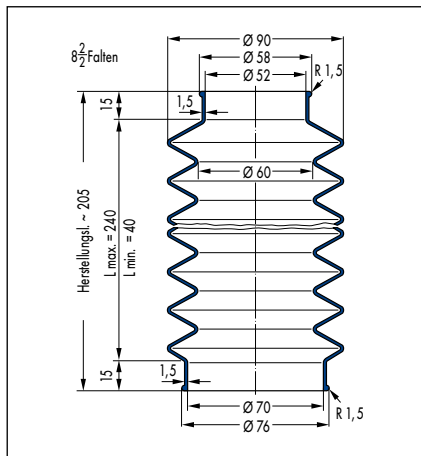
V6-00091, Artikel-Nr. 456482



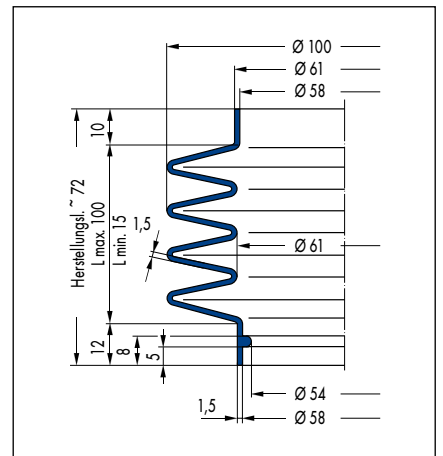
V6-00291, Artikel-Nr. 440381



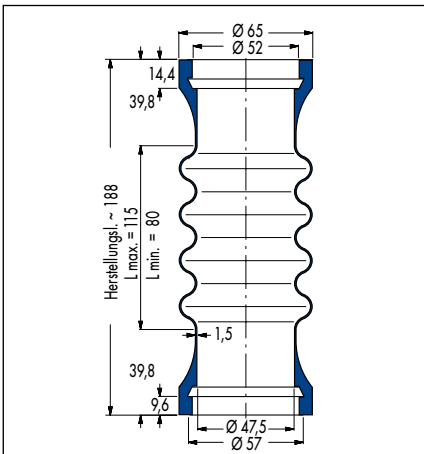
V6-00987, Artikel-Nr. 49312666 (42 CR 764)/
49312659 (50 CR 879)



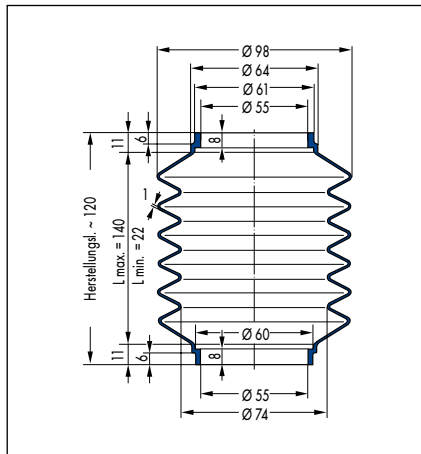
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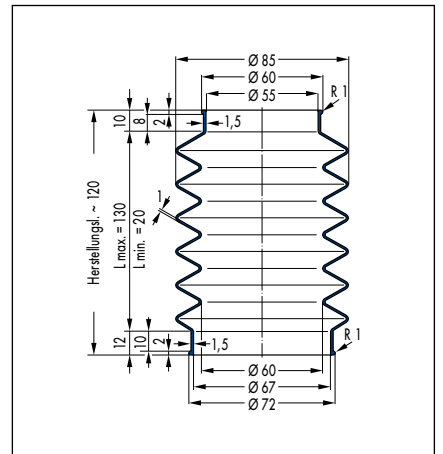
V6-01064, Artikel-Nr. 453735



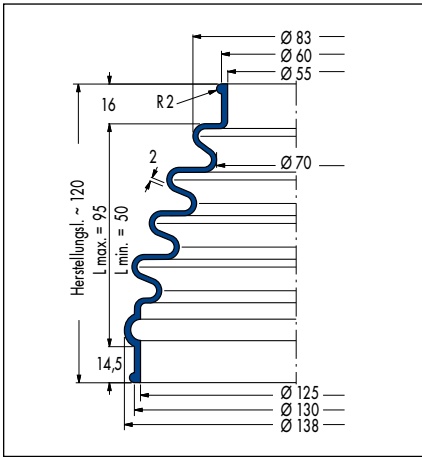
V6-00226, Artikel-Nr. 439437



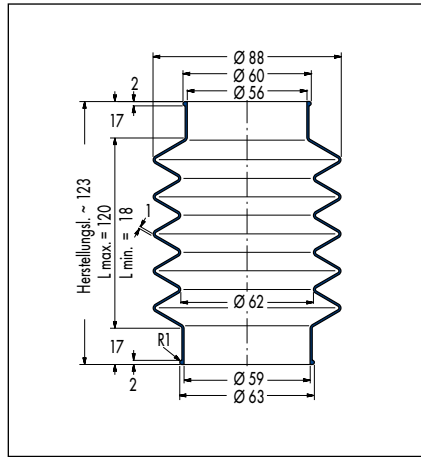
V6-00577, Artikel-Nr. 439496



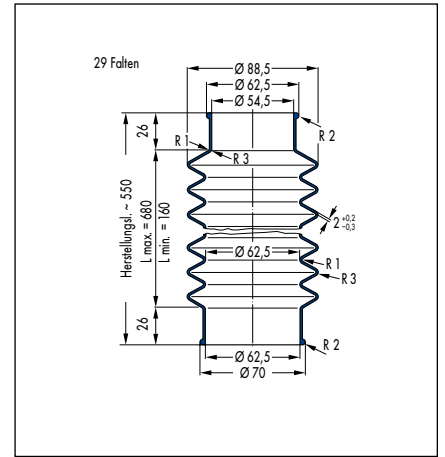
V6-00740, Artikel-Nr. 430860



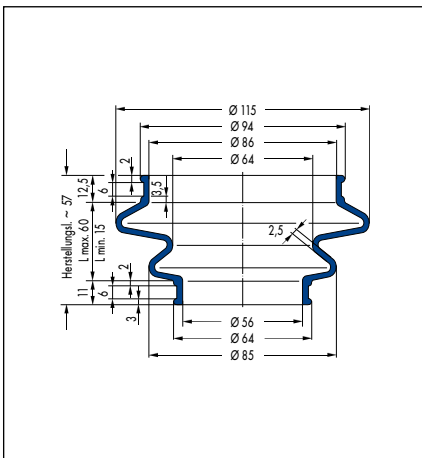
V6-00205, Artikel-Nr. 440285



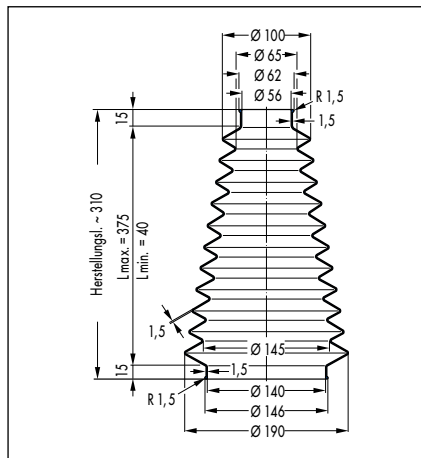
V6-00153, Artikel-Nr. 426797



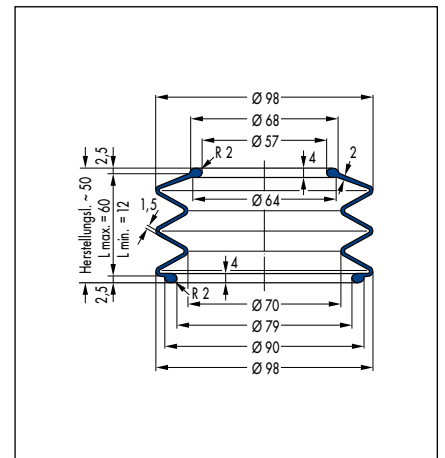
V6-00519, Artikel-Nr. 29705



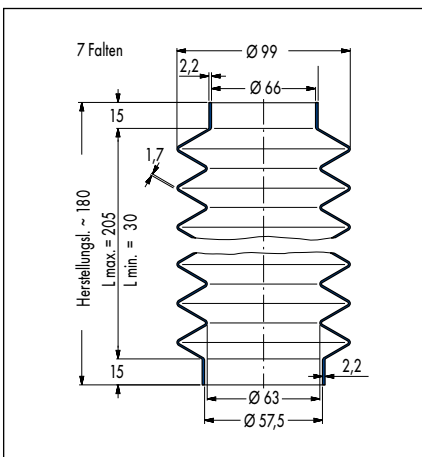
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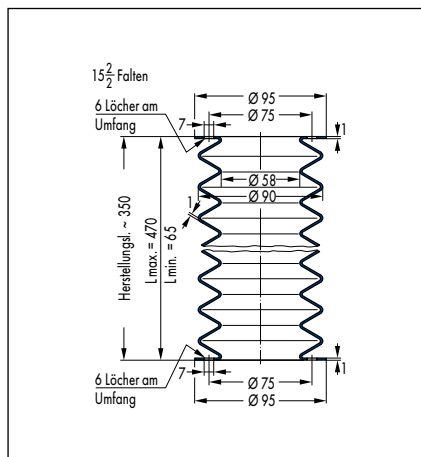
V6-00926, Artikel-Nr. 35807



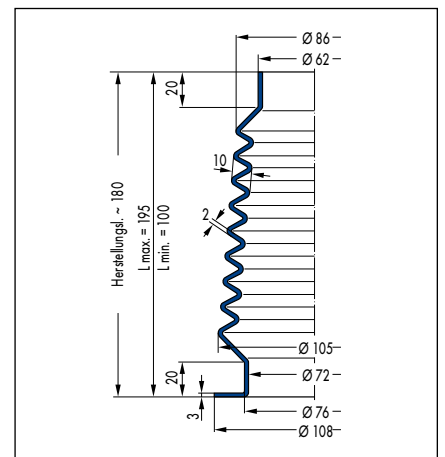
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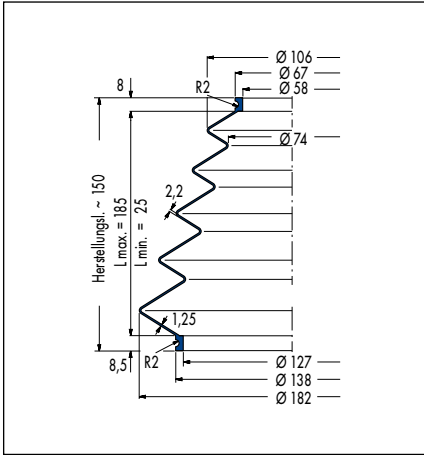
V6-00375, Artikel-Nr. 428321



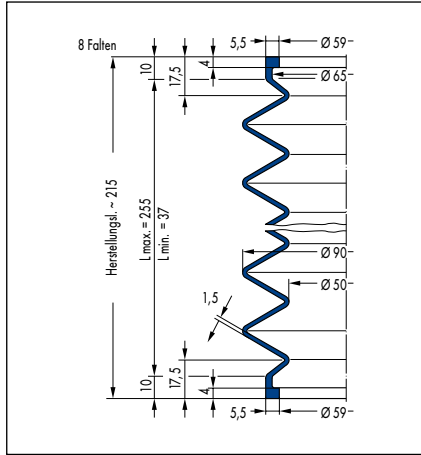
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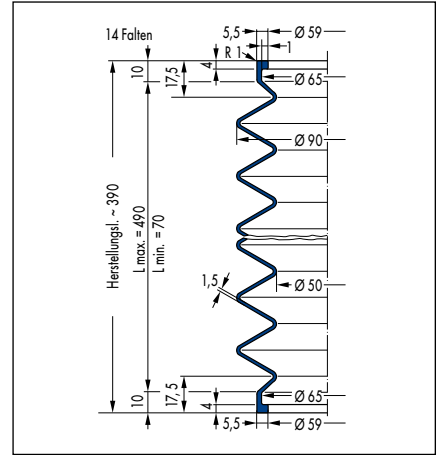
V6-00866, Artikel-Nr. 454218



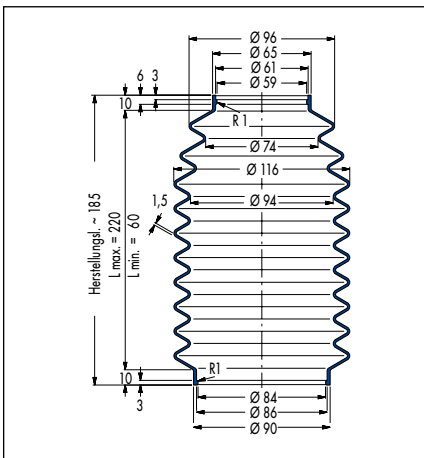
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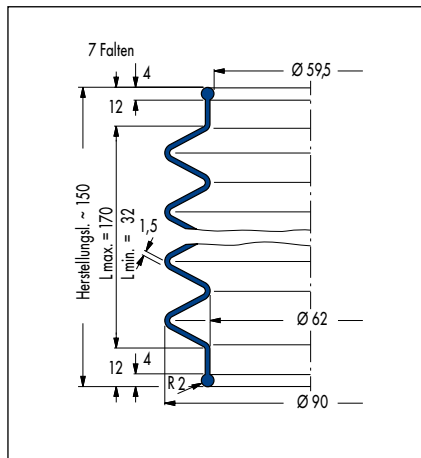
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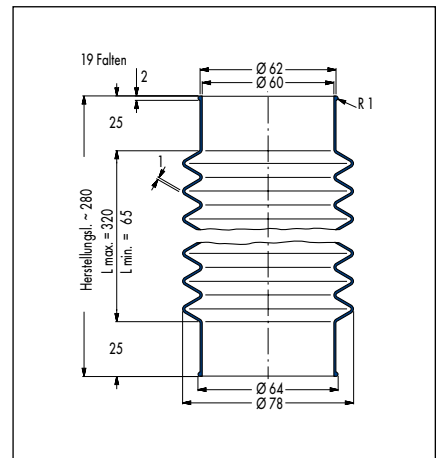
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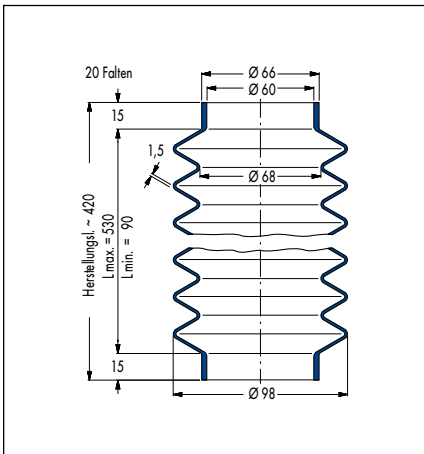
V6-01453, Artikel-Nr. 454255



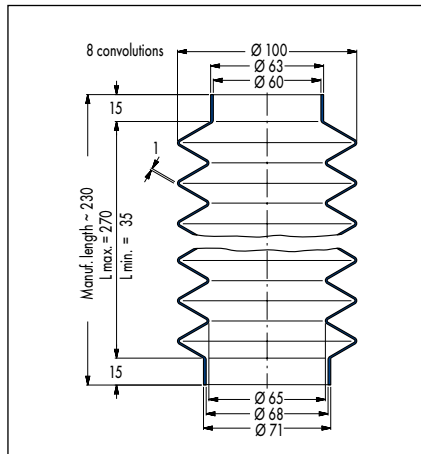
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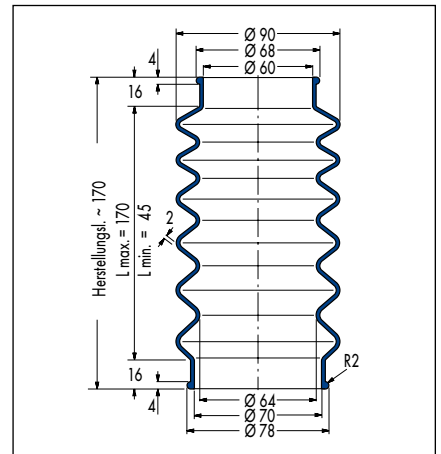
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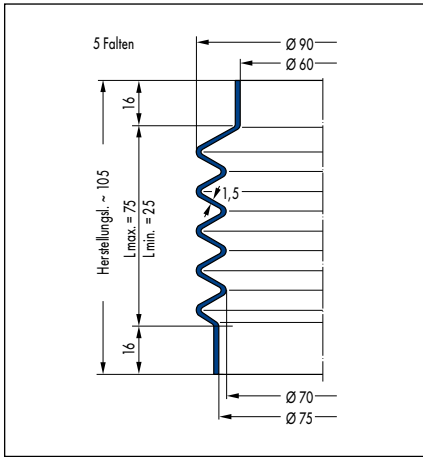
V6-00450, Artikel-Nr. 29652



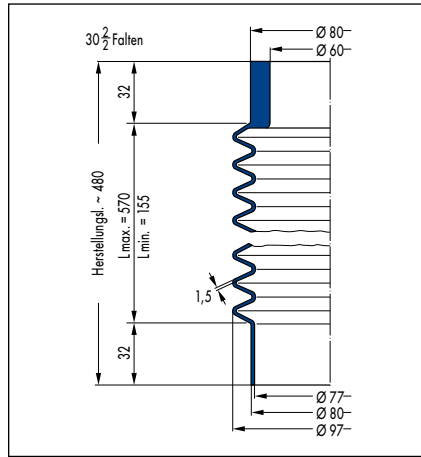
V6-00400, Artikel-Nr. 438535



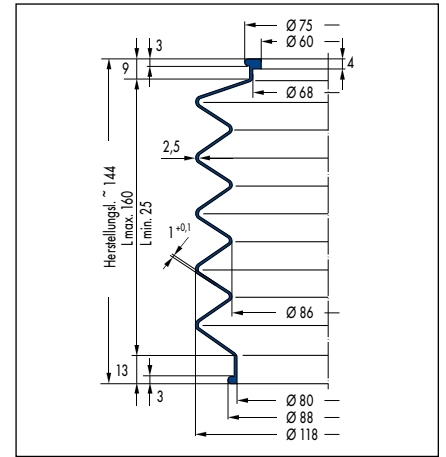
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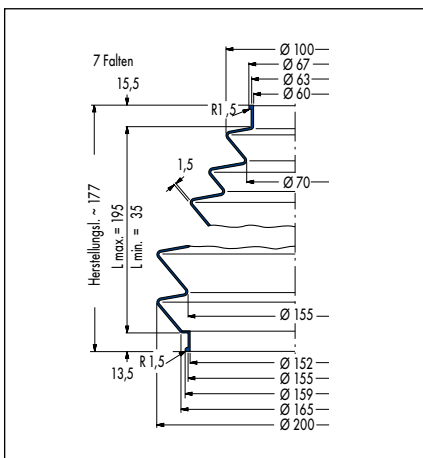
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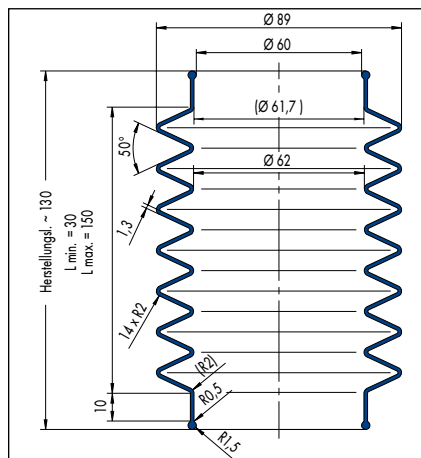
V6-01018, Artikel-Nr. 454225



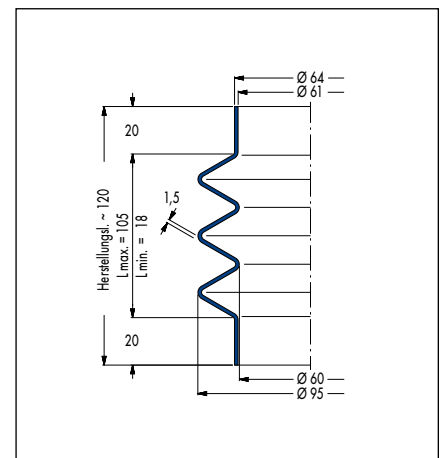
V6-01049, Artikel-Nr. 454227



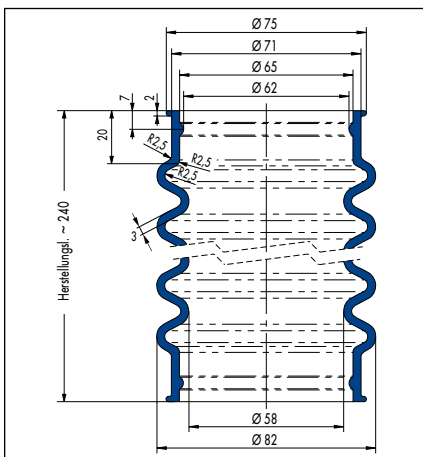
V6-00444, Artikel-Nr. 29643



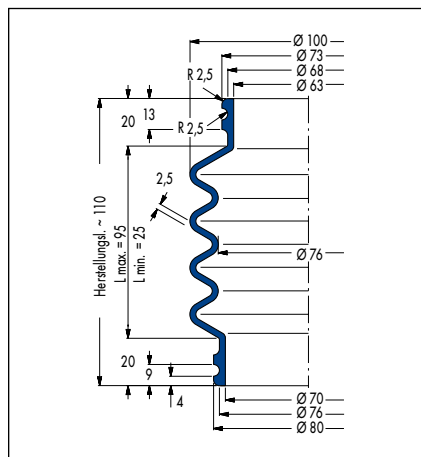
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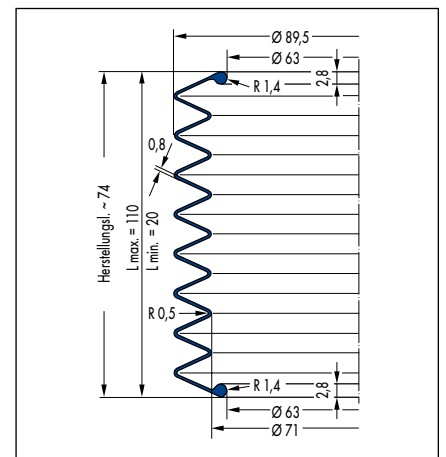
V6-00099, Artikel-Nr. 434091 (NBR)/
434092 (CR)



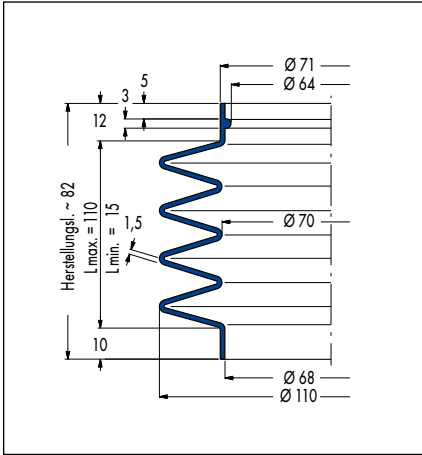
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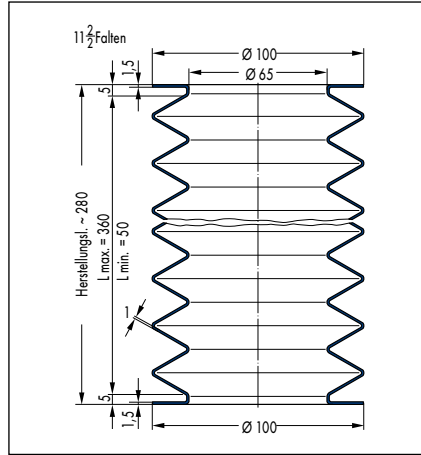
V6-00242, Artikel-Nr. 439438



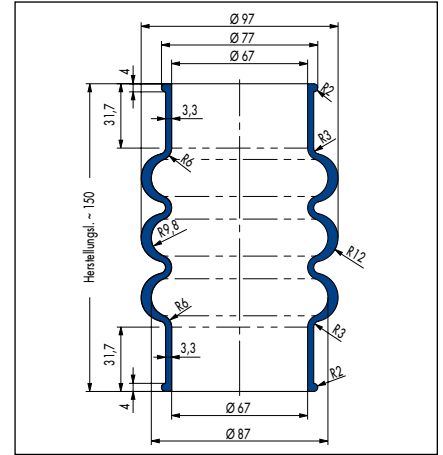
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501518 (NBR)



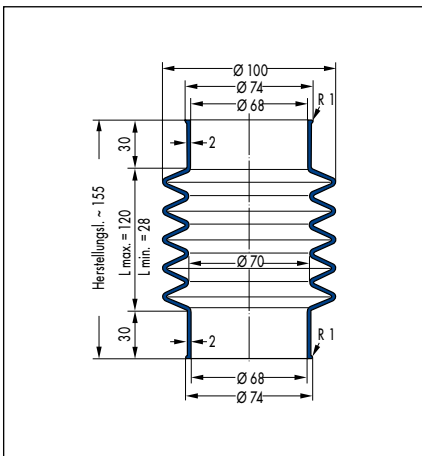
V6-01063, Artikel-Nr. 453733



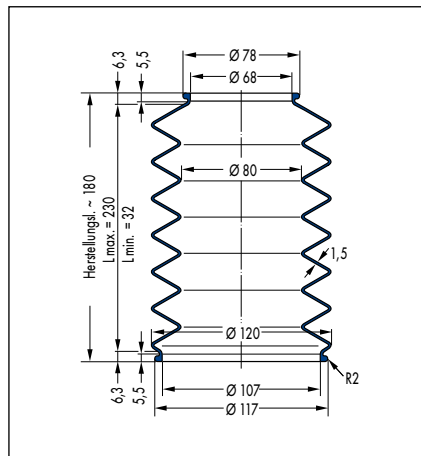
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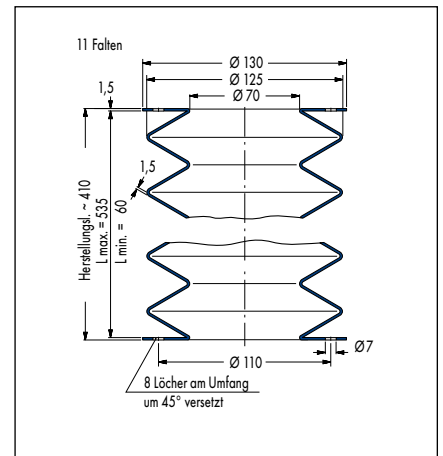
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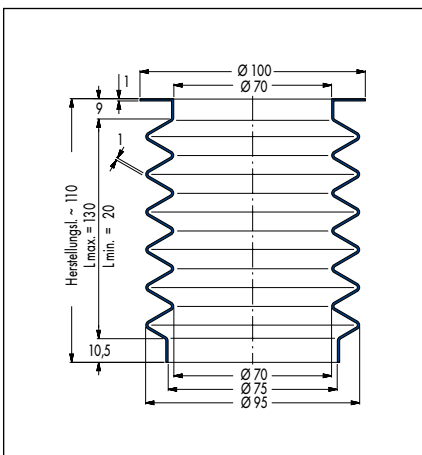
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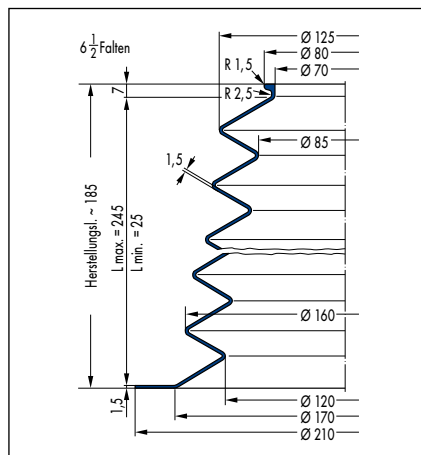
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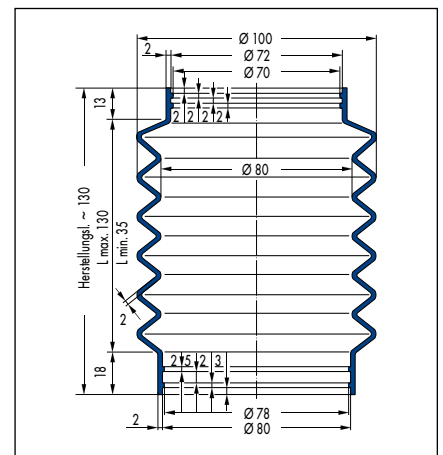
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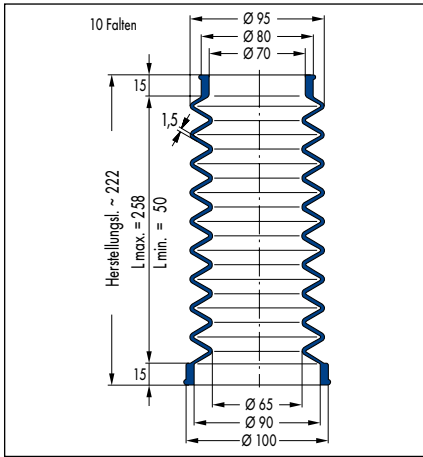
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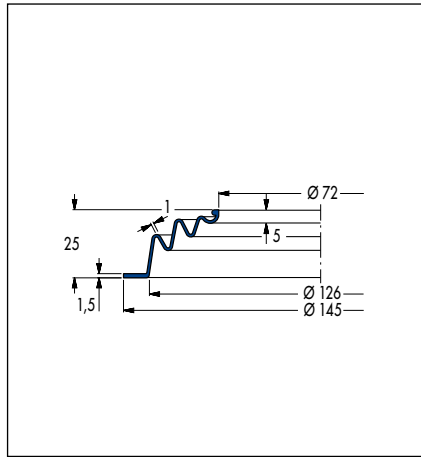
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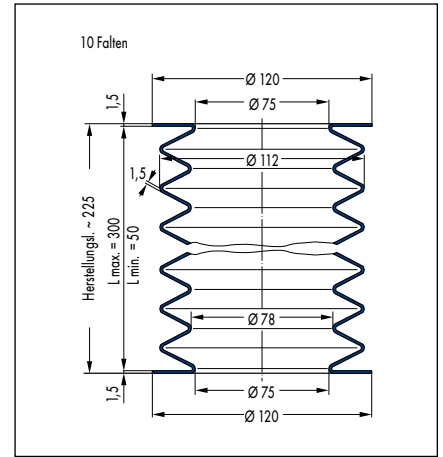
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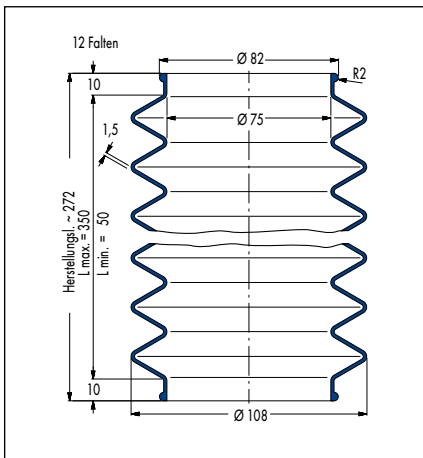
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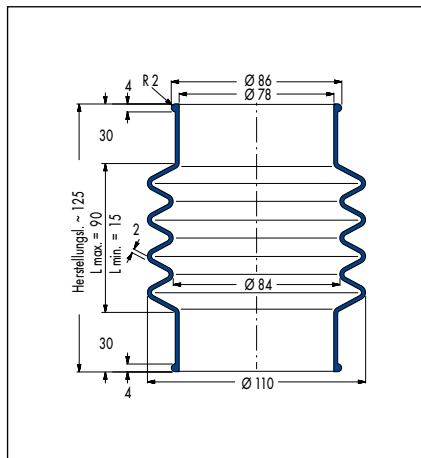
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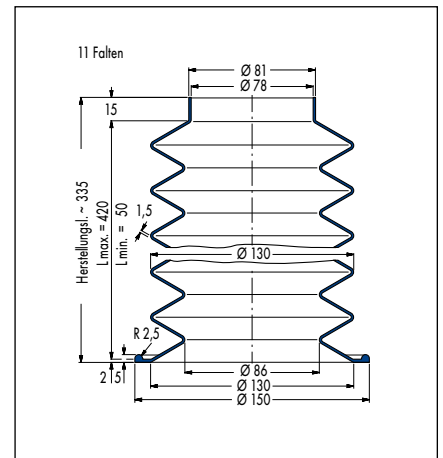
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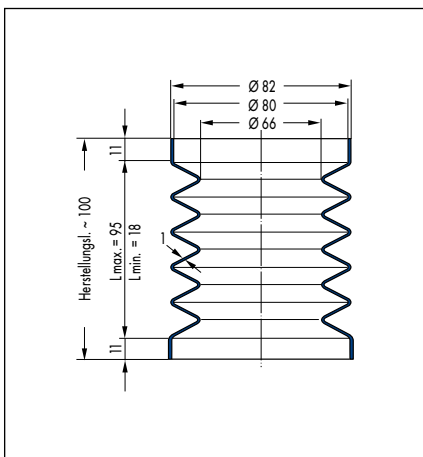
V6-00093, Artikel-Nr. 440343 (CR)/
440342 (NBR)



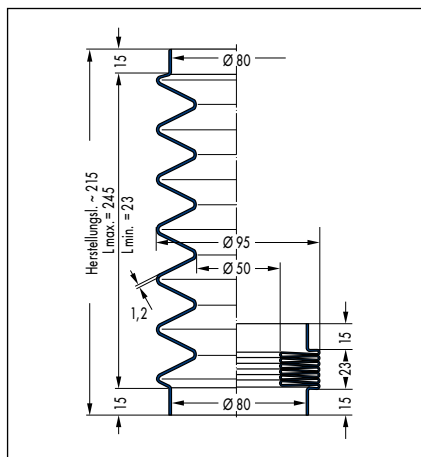
V6-00501, Artikel-Nr. 438944 (50 CR 879)/
438946 (42 CR 764)



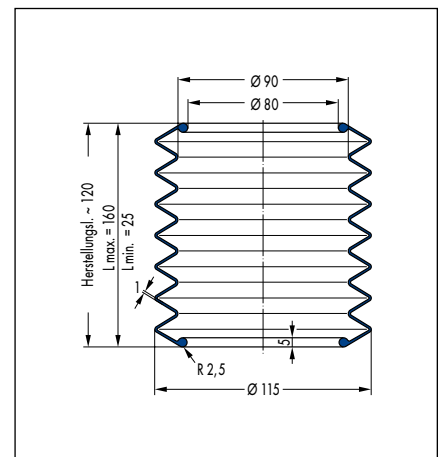
V6-00520, Artikel-Nr. 25100 (45 NBR 670)/
307731 (50 CR 879)



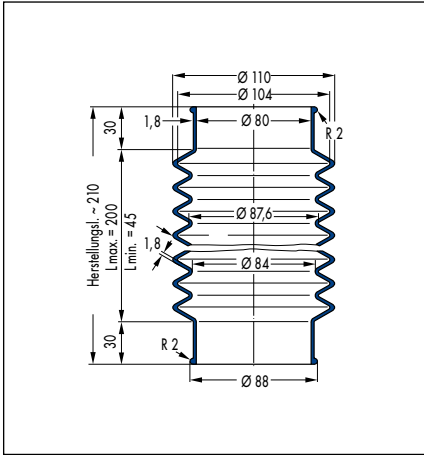
V6-00141, Artikel-Nr. 451746 (42 CR 764)/
451747 (50 CR 879)



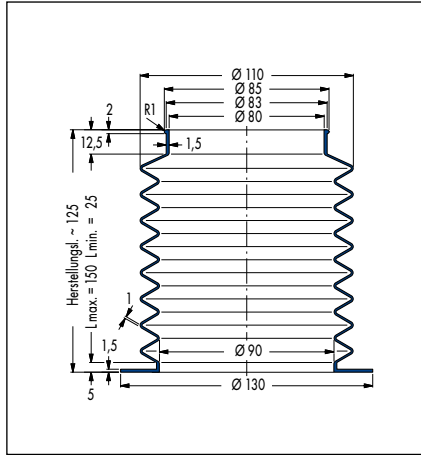
V6-00115, Artikel-Nr. 29283



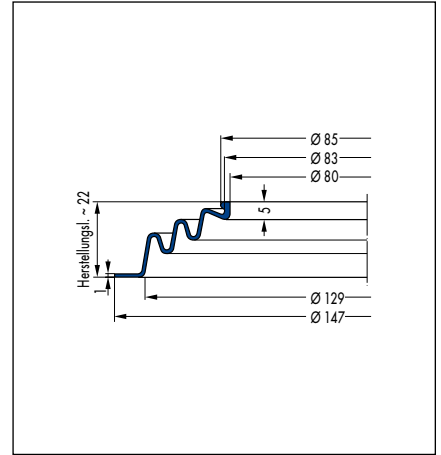
V6-01079, Artikel-Nr. 454232



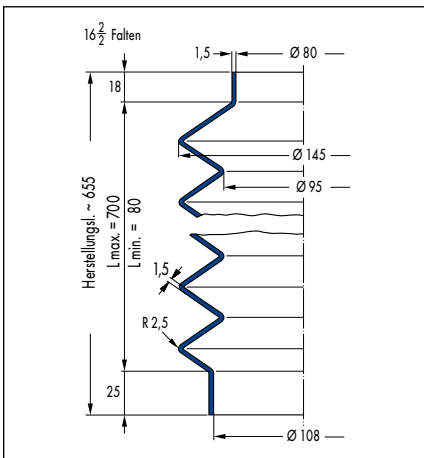
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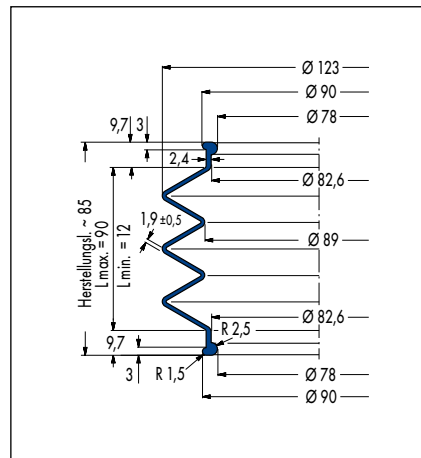
V6-00963, Artikel-Nr. 454221



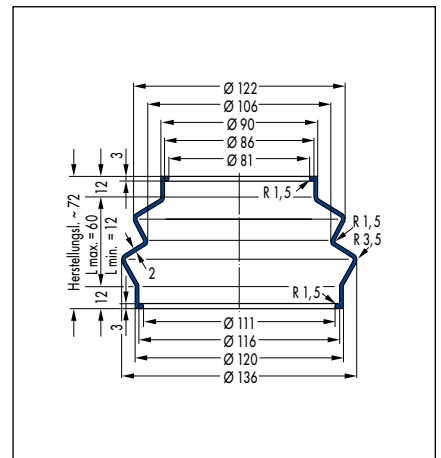
V6-00846, Artikel-Nr. 307856



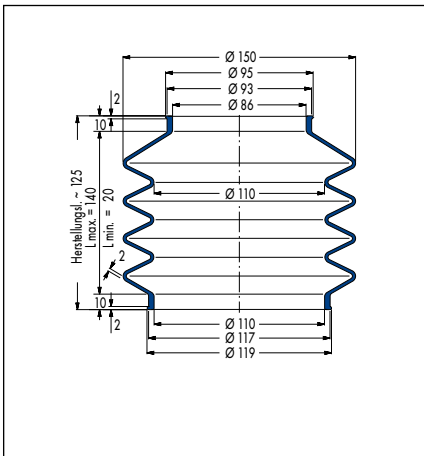
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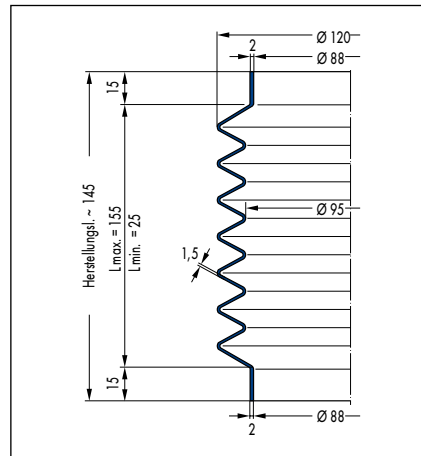
V6-00633, Artikel-Nr. 426324



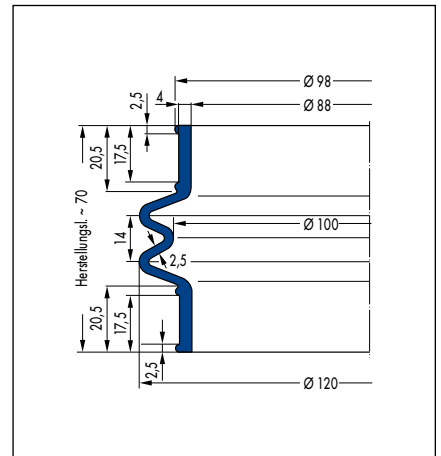
V6-00326, Artikel-Nr. 454212



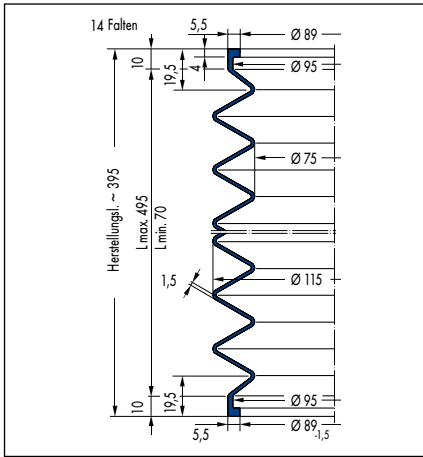
V6-00643, Artikel-Nr. 29807 (CR)/
49057942 (NBR)



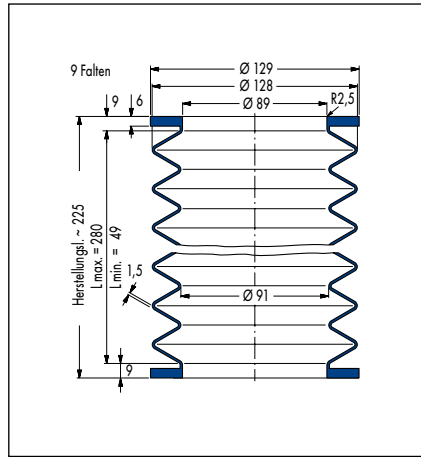
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454480 (NBR)



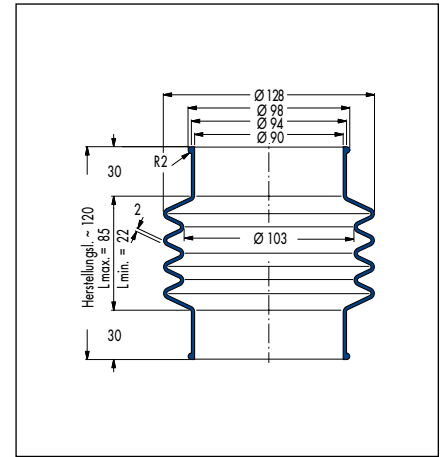
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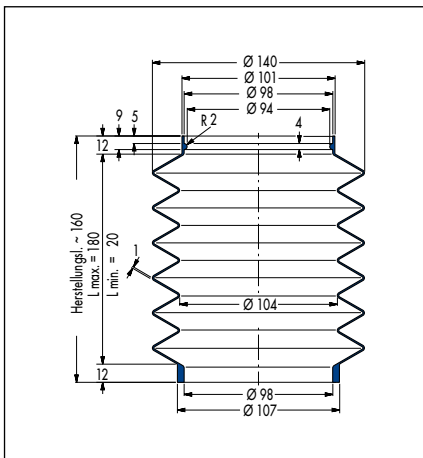
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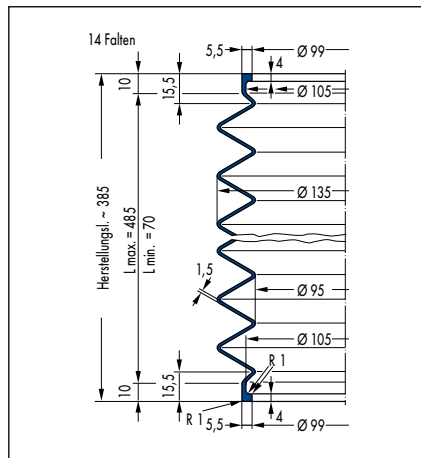
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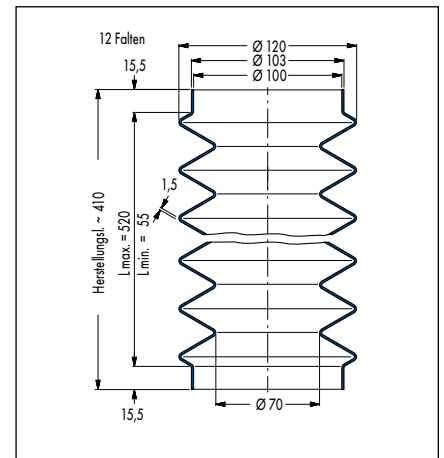
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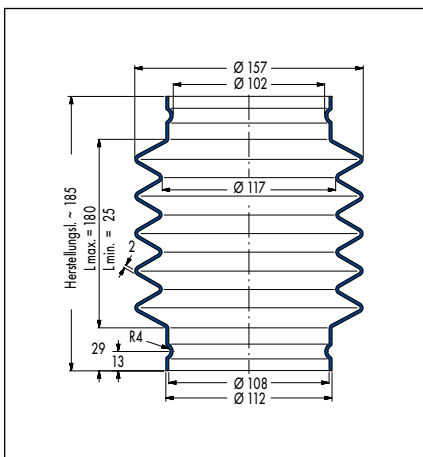
V6-01140, Artikel-Nr. 454240



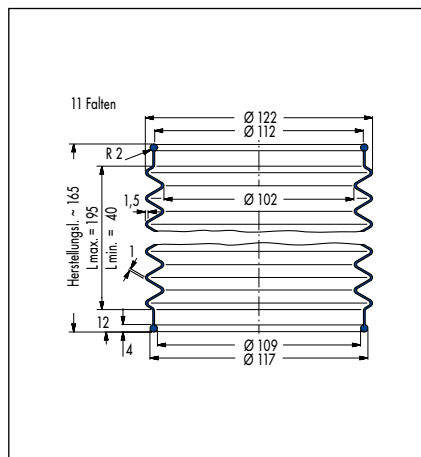
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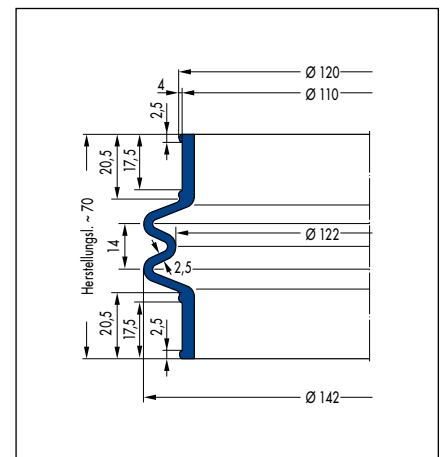
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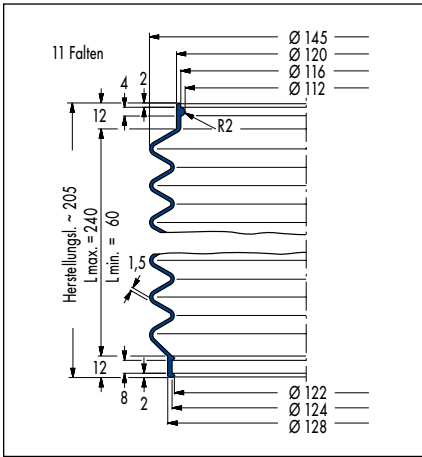
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368633 (NBR)



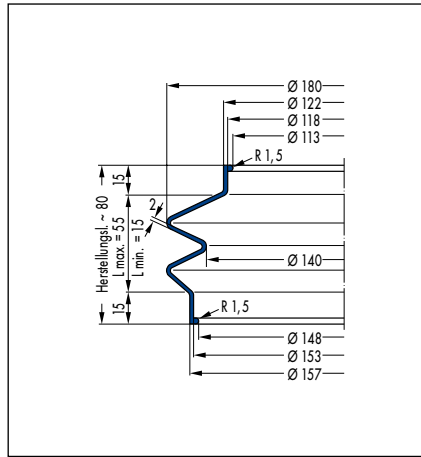
V6-00332, Artikel-Nr. 454470 (CR)/
49040057 (NBR)



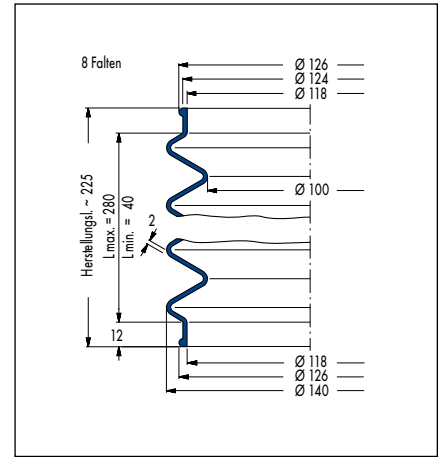
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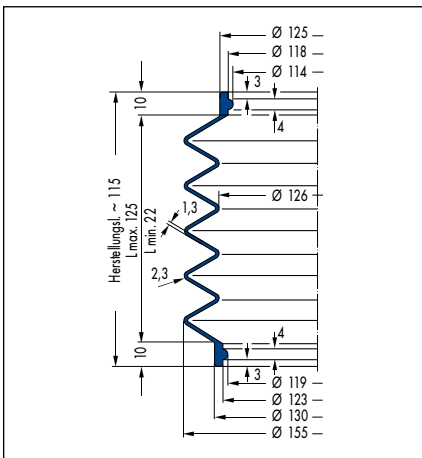
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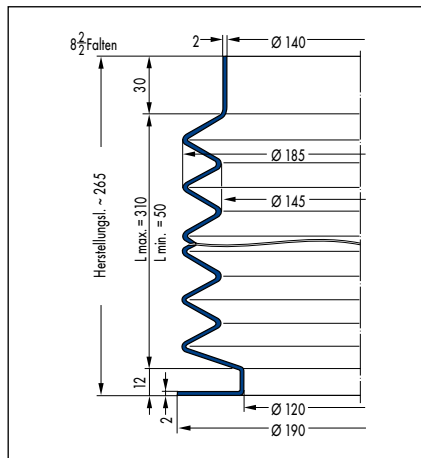
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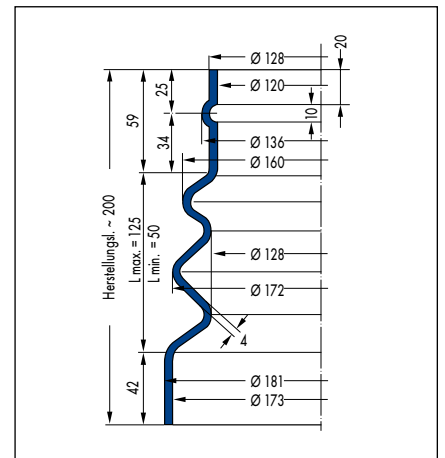
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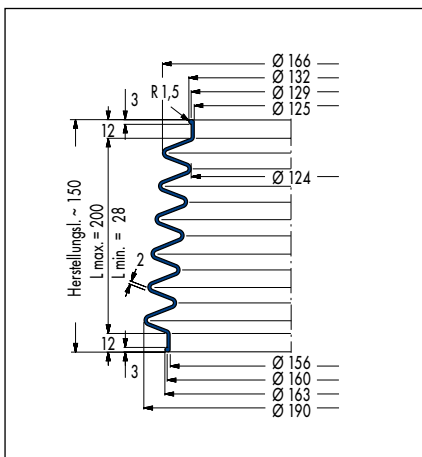
V6-01003, Artikel-Nr. 454224



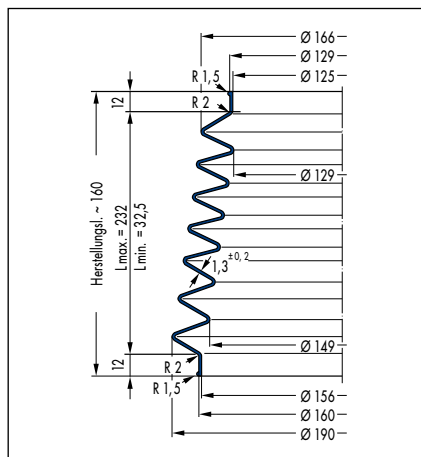
V6-00542, Artikel-Nr. 125325



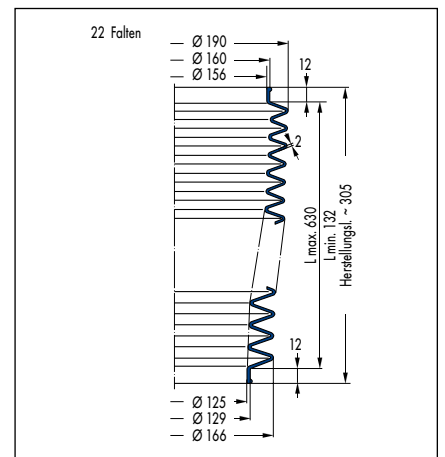
V6-00493, Artikel-Nr. 23442



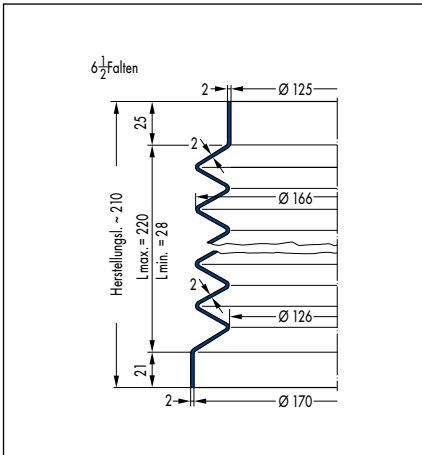
V6-00217, Artikel-Nr. 29370



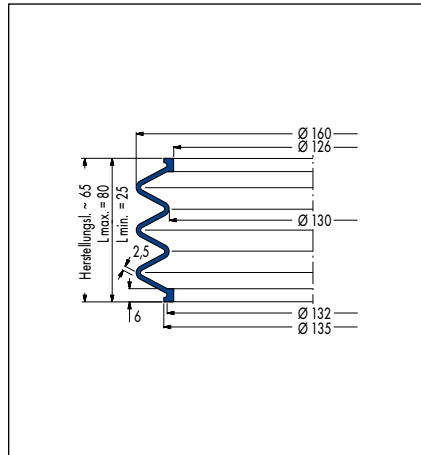
V6-01445, Artikel-Nr. 355400



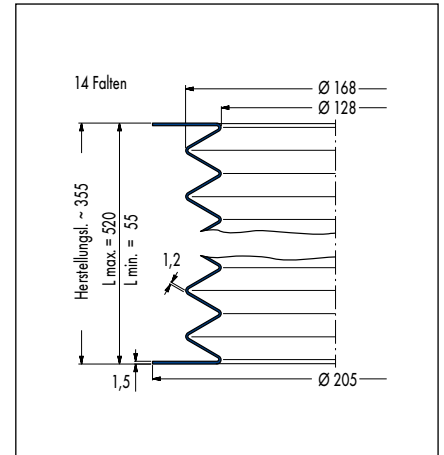
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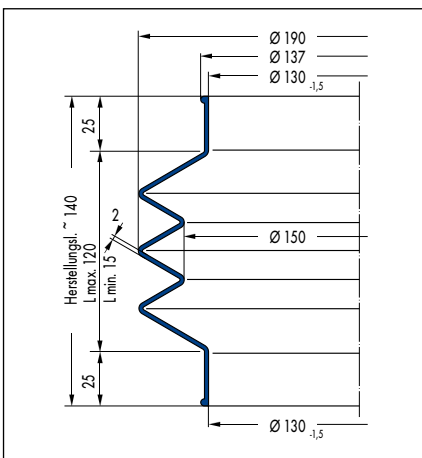
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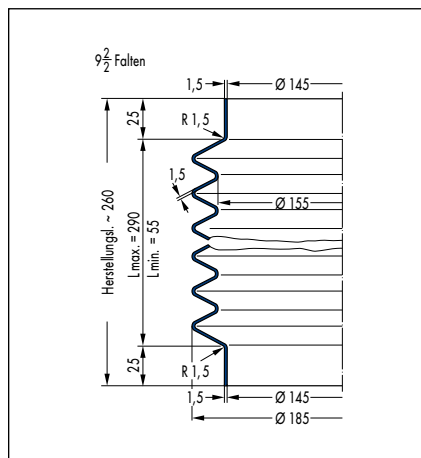
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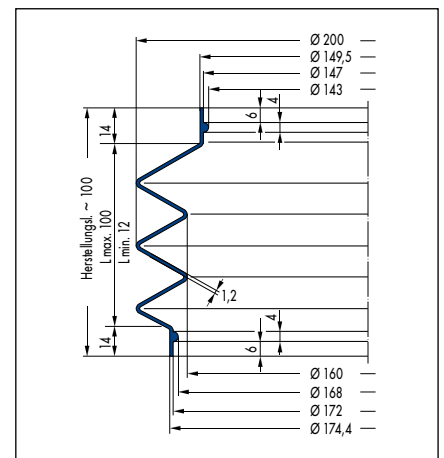
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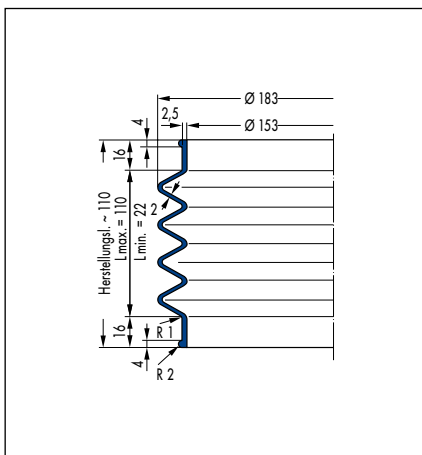
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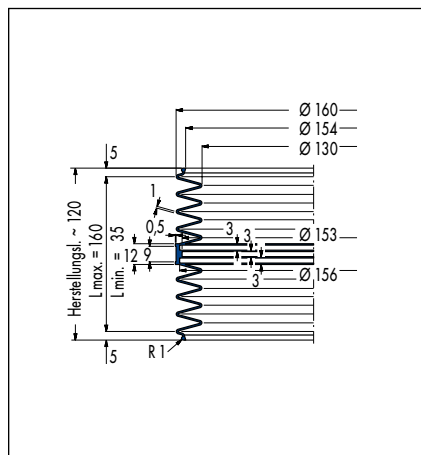
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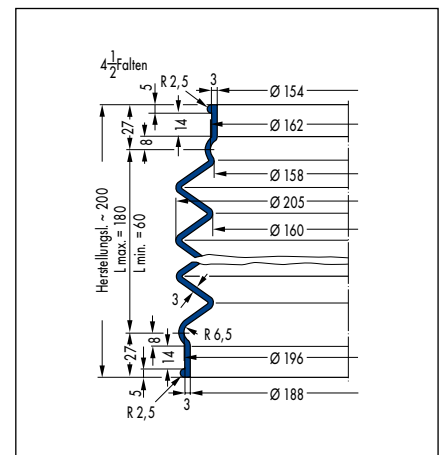
V6-00717, Artikel-Nr. 505499



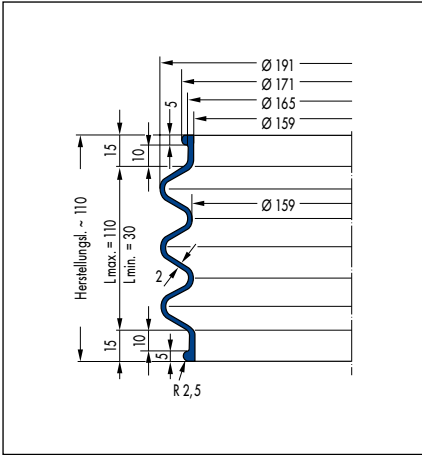
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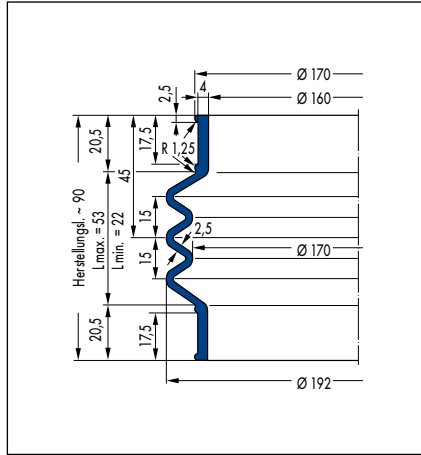
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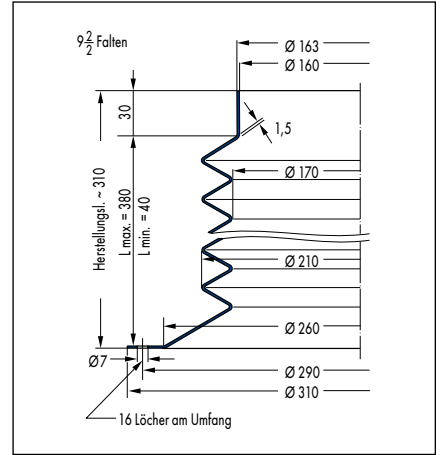
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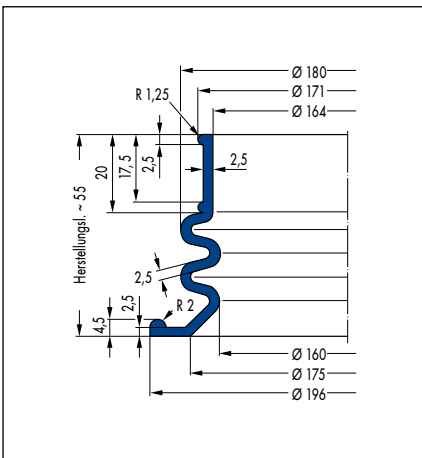
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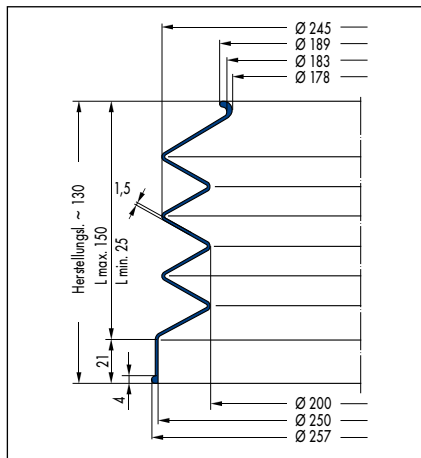
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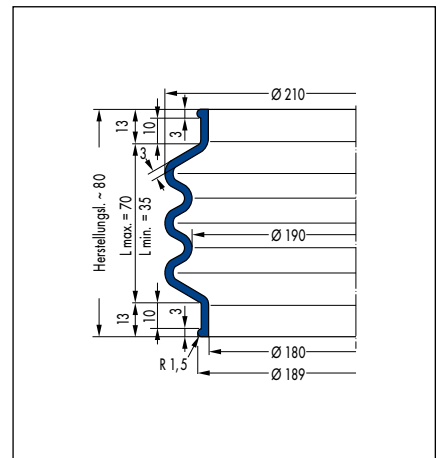
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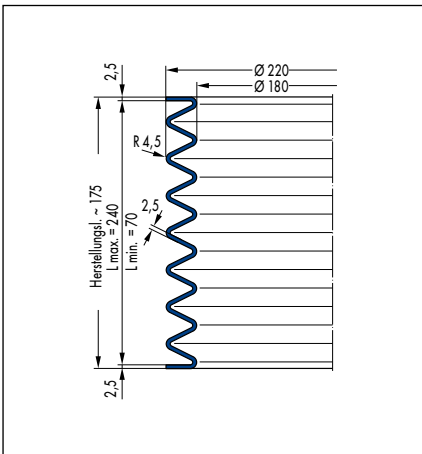
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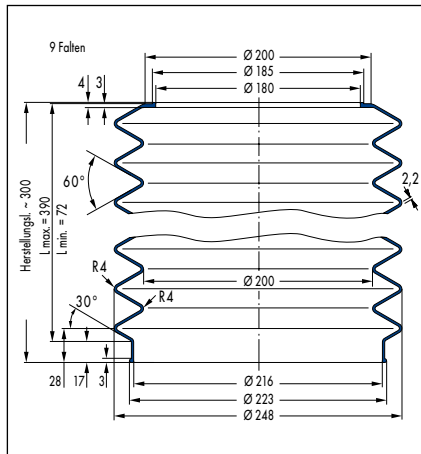
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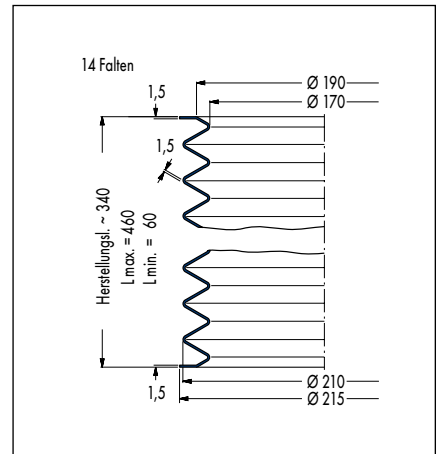
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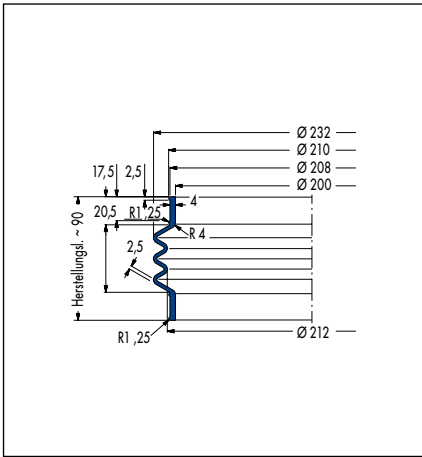
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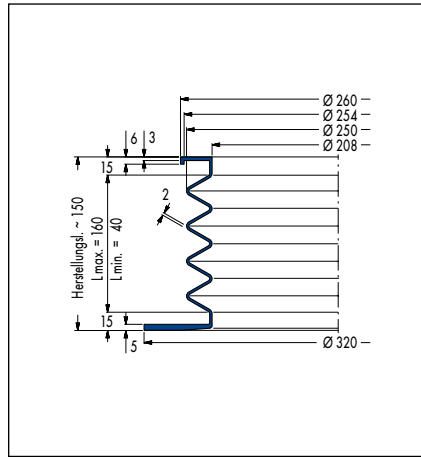
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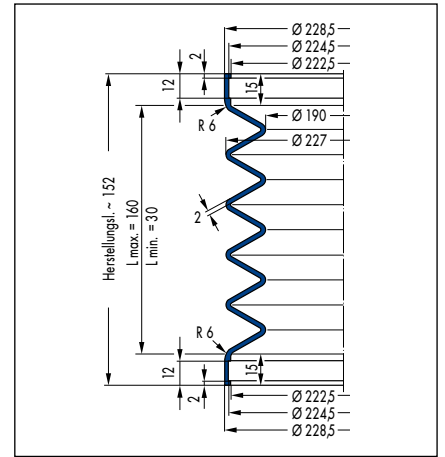
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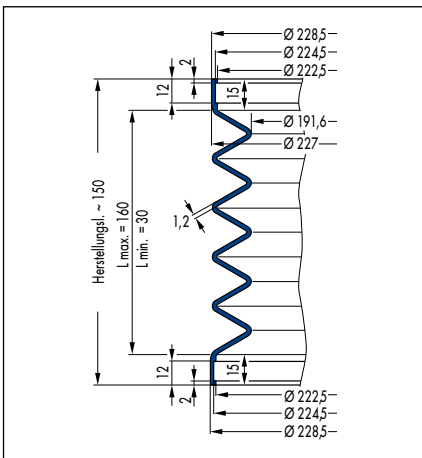
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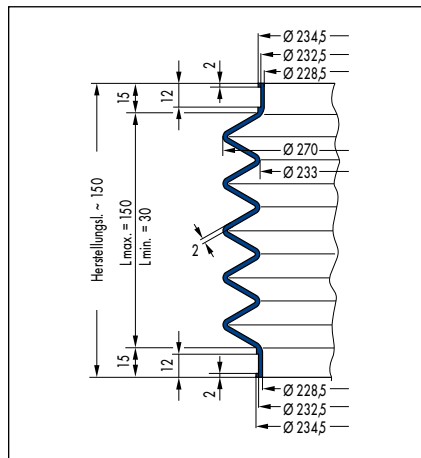
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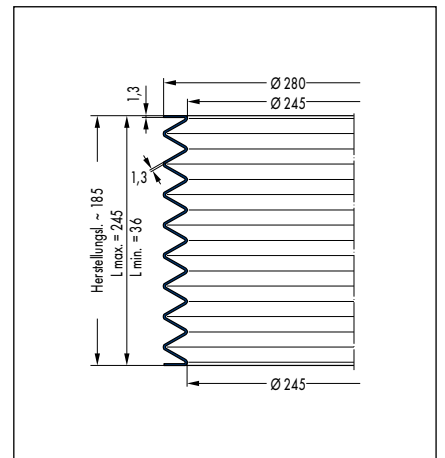
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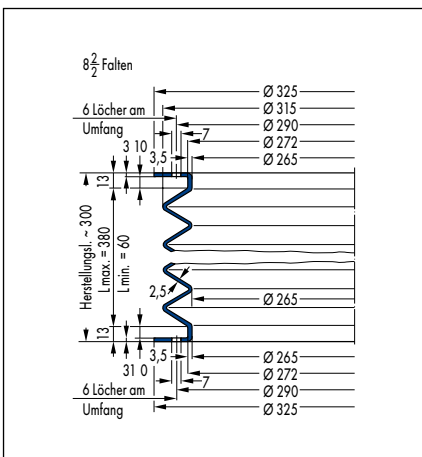
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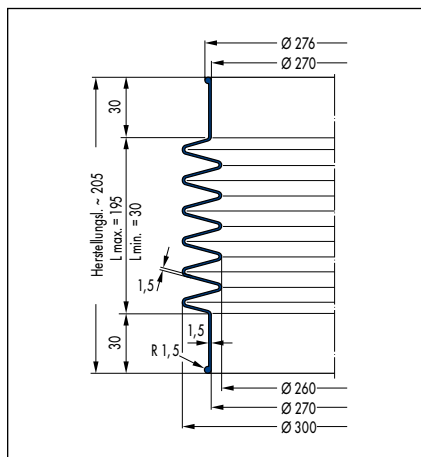
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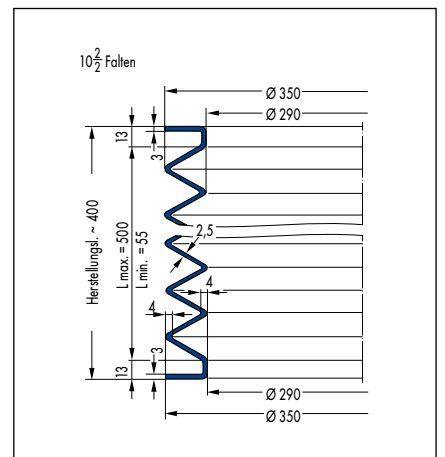
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V6-00632, Artikel-Nr. 506890



V6-01031, Artikel-Nr. 361913



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