

Food



Rodesta

Stainless steel & Hoses

DIN 11851

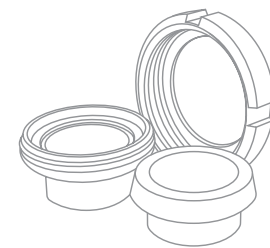
Stainless steel fittings
for the food and
chemical industry.



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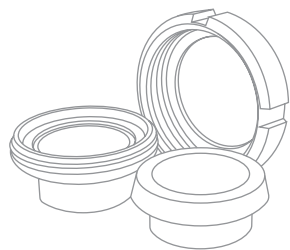
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DIN 11851



**Stainless steel fittings for the
food and chemical industry –
Screw pipe connections for
expanding and welding.**

Version 1.4



DIN 11851

High-quality screw couplings for food beverage and chemical industries

Rodesta offers a wide range of DIN 11851 couplings for hygienic applications in the food, beverage, and chemical industries. This enables Rodesta to meet customer requirements quickly and efficiently. The couplings are machined from forgings with a surface roughness of $Ra \leq 0.8\mu m$, ensuring optimal hygiene and facilitating easy cleaning.

What is DIN 11851?

DIN 11851 is a German standard for hygienic stainless steel screw couplings, widely used in the food, beverage, and chemical industries. These couplings are designed for easy assembly, disassembly, and cleaning (CIP processes), making them ideal for applications where hygiene and reliability are crucial.

DIN 11851 couplings are made from high-quality stainless steel 304(L) or 316(L), ensuring excellent corrosion resistance and durability. The conical section of the male and female parts, combined with the sealing groove and special D-rings, ensures an optimal leak-proof connection.

Advantages of a DIN 11851 coupling

- ✓ Hygienic design
- ✓ Easy to assemble and disassemble
- ✓ Wide compatibility
- ✓ Durable and robust
- ✓ Versatile applications



1 Complete coupling

A complete DIN 11851 coupling consists of four essential components: the liner, nut, male part, and D-ring. Together, they ensure a robust, leak-proof, and hygienic connection for food, beverage, and chemical applications. The conical seal prevents contamination and meets strict hygiene standards. Its easy disassembly makes it ideal for systems requiring regular cleaning and maintenance.



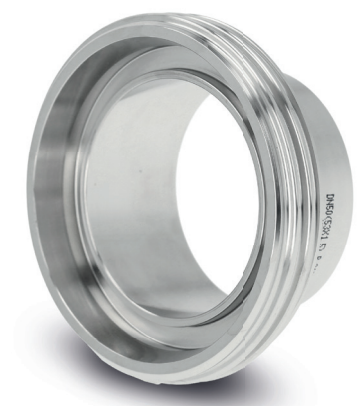
2 Liner

The DIN 11851 liner has two main components: the welding end and the conical liner end, which fits seamlessly into the male part and is securely clamped by the nut. Designed for hygienic applications, it features smooth surfaces and a high-quality finish to minimize dirt buildup and bacterial growth. Its precise construction ensures a reliable, leak-proof connection, ideal for industries with strict hygiene standards.



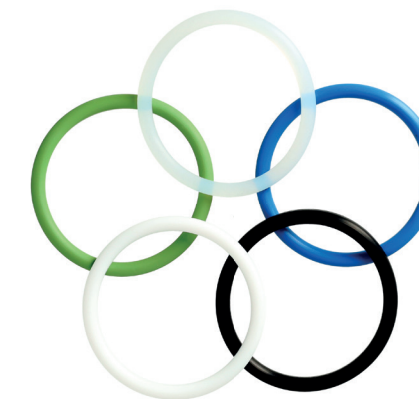
3 Nut

A DIN 11851 nut ensures a secure and hygienic screw connection between components, contributing to a leak-proof and durable system that meets industry standards. It allows for quick assembly and disassembly, simplifying maintenance and reducing downtime. If needed, a coupling wrench can provide extra torque for a tighter fit or easier removal, ensuring a reliable connection.



4 Male part

The DIN 11851 male part is an essential component of the coupling and consists of three main elements: the welding end, the threaded end, and the sealing groove. The threaded end features round threads according to DIN 405/1, ensuring a reliable and precise connection with the nut. The sealing groove is specifically designed to accommodate a D-ring, guaranteeing an optimal seal and preventing leaks.



5 D-ring

A DIN 11851 D-ring is a crucial sealing element of the coupling, placed in the sealing groove of the male part. Its precise fit prevents leaks and minimizes dirt buildup, making it ideal for hygienic applications in the food, beverage, and chemical industries. The D-ring is available in various materials such as NBR, EPDM, FKM, VMQ, and PTFE, ensuring compatibility with different chemical resistances and temperature requirements.

DIN 11851

Technical information

An overview of the available DIN (Deutsches Institut für Normung), ISO (International Organization for Standardization), and INCH (Imperial System - ANSI, ASME, etc.) dimensions, including pressure ratings and materials such as stainless steel grades classified by alloy percentage. Additionally, this section details the qualities of elastomers for seals and the standard abbreviations for unit measurements in technical drawings as used by Rodesta.

DIN 11851 components are available in DIN, ISO, and INCH dimensions

DIN EN 10357 Serie A	ISO EN 10357 Serie C	INCH EN 10357 Serie D
DN 10 - 13x1.5mm	DN 10 ISO - 17.2x1.6mm	(1") 25.4x1.65mm
DN 15 - 19x1.5mm	DN 15 ISO - 21.3x1.6mm	(1-1/4") 31.8x1.65mm
DN 20 - 23x1.5mm	DN 20 ISO - 26.9x1.6mm	(1-1/2") 38.1x1.65mm
DN 25 - 29x1.5mm	DN 25 ISO - 33.7x2mm	(2") 50.8x1.65mm
DN 32 - 35x1.5mm	DN 32 ISO - 42.4x2mm	(2-1/2") 63.5x1.65mm
DN 40 - 41x1.5mm	DN 40 ISO - 48.3x2mm	(3") 76.1x1.65mm
DN 50 - 53x1.5mm	DN 50 ISO - 60.3x2mm	(4") 101.6x2mm
DN 65 - 70x2mm	DN 65 ISO - 76.1x2mm	
DN 80 - 85x2mm	DN 80 ISO - 88.9x2mm	
DN 90 - 95x3mm	DN 100 ISO - 114.3x2mm	
DN 100 - 104x2mm	DN 125 ISO - 139.7x2.6mm	
DN 125 - 129x2mm	DN 150 ISO - 168.3x2.6mm	
DN 150 - 154x2mm		
DN 200 - 212x6mm		

Pressure ratings

DIN	ISO	INCH	Pressure
DN 10 - 40	ISO 10 - 40	1" - 1-1/2"	up to 40 bar
DN 50 - 100	ISO 50 - 100	2" - 4"	up to 25 bar
DN 125 - 150	ISO 125 - 150		up to 16 bar

Materials

All components listed in this catalog are manufactured from high-quality stainless steel and are subject to strict quality controls before being stocked in our warehouse. All Rodesta couplings are marked with dimensions, material grade, and heat number to ensure full traceability. We work exclusively with carefully selected manufacturers who meet our high standards for quality, reliability, and regulatory compliance. Upon request, we provide an inspection certificate 3.1 in accordance with EN 10204:2004, or a material conformity declaration 2.1 according to EN 10204.

Classification according to percentage of alloys used (standard)

Material according to DIN 10088-1	AISI	Steel type DIN 10088-1	C	Si	Mn (max)	CR	Mo	Ni	Other
1.4301	304	X5CrNi 18-10	< 0.07	< 1.0	< 2.0	17.0 - 19.5	-	8.0 - 19.5	-
1.4307	304 L	X2CrNi 18-9	< 0.03	< 1.0	< 2.0	17.5 - 19.5	-	8.0 - 19.5	-
1.4404	316 L	X2CrNiMo 17-12-2	< 0.03	< 1.0	< 2.0	16.5 - 18.5	2.0 - 2.5	10.0 - 13.0	-
1.4432	316 L	X2CrNiMo17-12-3	<0.03	< 1.0	<2.0	16.5 - 18.5	2.5 - 3	10.5 - 13.0	-

Sealing materials for DIN 11851 couplings

NBR:	Nitrile butadiene rubber
EPDM:	Ethylene propylene diene monomer rubber
VMQ:	Vinyl methyl silicone rubber
FKM:	Fluoroelastomer / Fluorocarbon rubber
PTFE:	Polytetrafluoroethylene

The benefits of DIN 405/1 round threads

DIN 11851 couplings feature round threads according to DIN 405/1, making them ideal for hygienic applications. The rounded thread shape minimizes dirt accumulation and facilitates easy cleaning, reducing bacterial growth.

The Rodesta abbreviations standard

In all technical cross-section drawings for DIN 11851, the following abbreviations are used to indicate the unit measurements. In the example drawing of a complete coupling, these abbreviations are highlighted with a blue circle for clarification.

General dimensions

W	Wall thickness
L	Installation length
L1,2,3 etc.	Other lengths

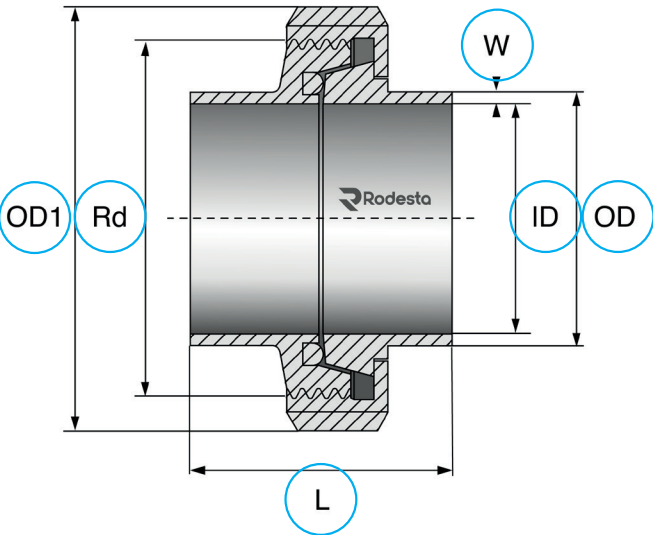
Diameter and connections

D	Seal ring thickness
ID	Inside diameter
ID-R	Reducing inside diameter
ID1,2,3 Ø etc.	Additional inside diameter
OD	Outside diameter
OD-R	Reducing outside diameter
OD1,2,3 Ø etc.	Additional outside diameter
SW	Schlüsselweite (wrench size)

Thread & couplings

Rd	Round thread according to DIN 405/1
Thread	General thread specification
BSP-F	BSP female
BSP-M	BSP male

BSP is a thread standard widely used in Europe and other parts of the world. BSP threads can be either parallel (BSPP - British standard pipe parallel, ISO 228-1) or tapered (BSPT - British standard pipe taper, ISO 7-1), depending on the application.

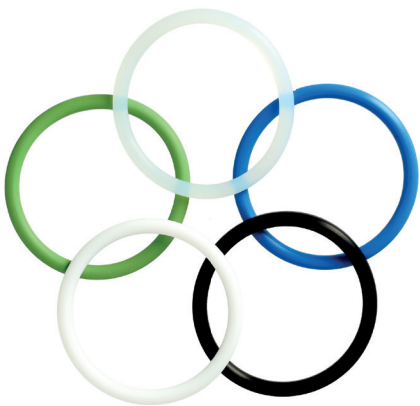


Example DIN 11851 complete coupling with dimensions

These abbreviations ensure a clear and uniform interpretation of technical drawings. If you have any questions regarding a specific dimension, application, or coupling, please do not hesitate to contact Rodesta. Our team is available to provide expert advice and professional support.

Gasket

Operating temperature ranges



The specified temperature ranges for elastomers and plastics such as NBR, HNBR, EPDM, VMQ, FKM, PTFE, PEEK, and TFM are indicative and may vary depending on the specific composition (compound) of the material. Factors such as the blending of raw materials, the presence of additives, and the production method influence the final performance.

Additionally, environmental factors such as pressure, chemical exposure, mechanical stress, and prolonged temperature load can affect the effective temperature limits of a seal.

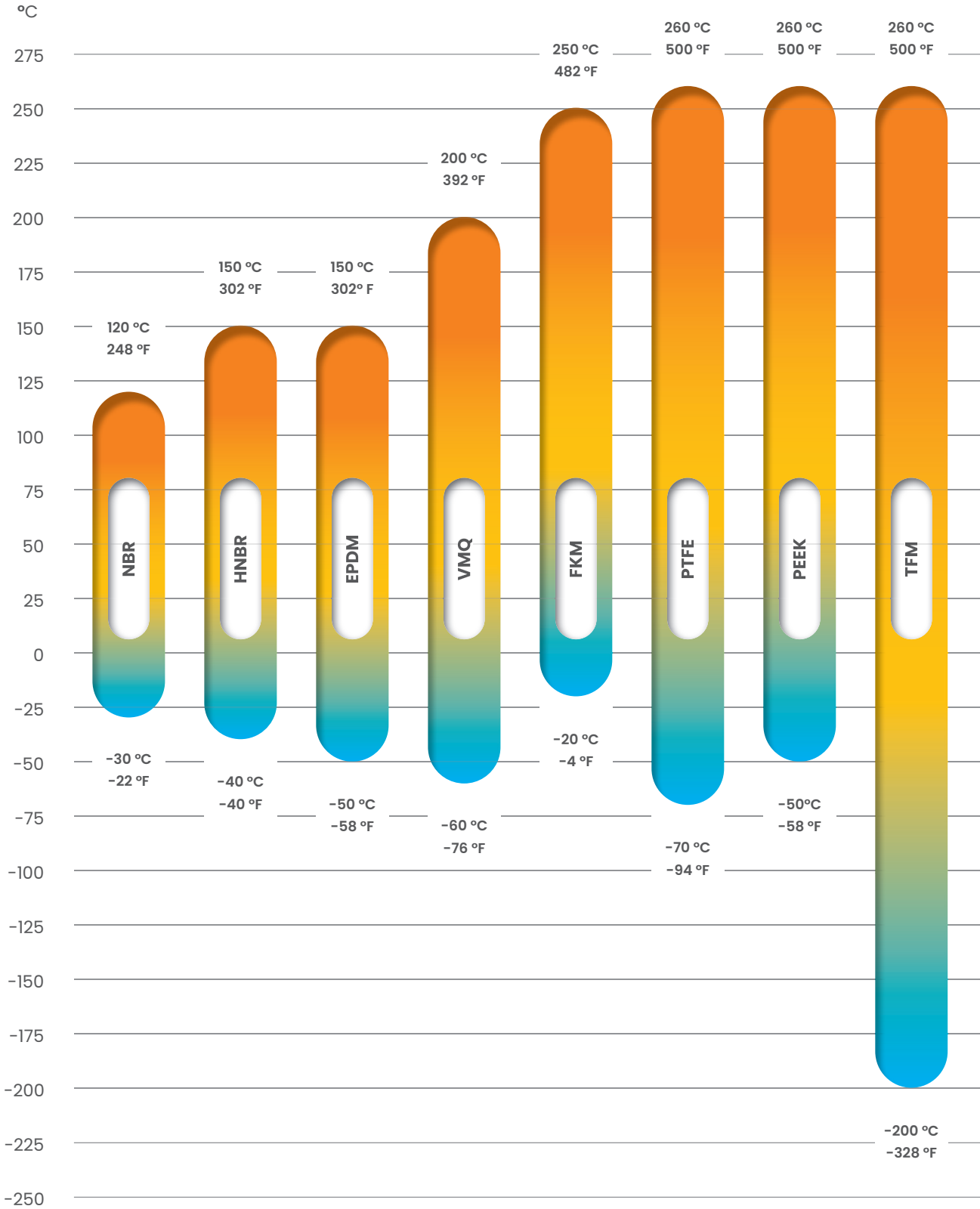
Material comparison – temperature and properties*

Material	Temp. range	Oil/fuel resistance	Steam/hot water	Food	Pharma grade	Special notes
NBR (nitrile)	-30 to +120 °C -22 to +248 °F	✓ Good	✗ Poor	✓ Yes	✗ Poor	Common and low-cost
HNBR	-40 to +150 °C -40 to +302 °F	✓ Good	✓ Good	✓ Yes	✗ Poor	Better than NBR, strong
EPDM	-50 to +150 °C -58 to +302 °F	✗ Poor	✓ Very good	✓ Yes	✓ Yes	Best for water and steam
VMQ (silicone)	-60 to +200 °C -76 to +392 °F	✗ Poor	○ Medium	✓ Yes	✓ Yes	Very flexible, no taste/smell
FKM (Viton®)	-20 to +250 °C -4 to +482 °F	✓ Very good	✗ Poor	✓ Yes	✓ Yes	Strong chemical resistance
PTFE (Teflon®)	-70 to +260 °C -94 to +500 °F	✓ Excellent	✓ Excellent	✓ Yes	✓ Yes	Not elastic, strong chemical resistance
PEEK	-50 to +260 °C -58 to +500 °F	✓ Excellent	✓ Excellent	✓ Yes	✓ Yes	Very strong plastic, high quality
TFM (modified PTFE)	-200 to +260 °C -328 to +500 °F	✓ Excellent	✓ Excellent	✓ Yes	✓ Yes	Softer and better sealing than PTFE

All components mentioned in this catalog are manufactured from high-quality materials and undergo strict quality control before being stocked in our warehouse. We exclusively collaborate with carefully selected producers who meet our high standards for quality, reliability, and regulatory compliance. If required, we can provide an inspection certificate 3.1 in accordance with EN 10204:2004 or a material conformity declaration 2.1 according to EN 10204.

*If required, we can provide a declaration of conformity in accordance with FDA regulations and/or EC 1935/2004.

Operating temperature ranges:



(Temperatures in Celsius & Fahrenheit)

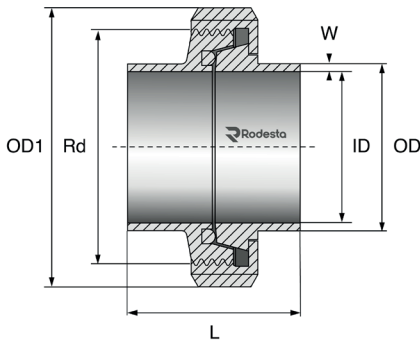


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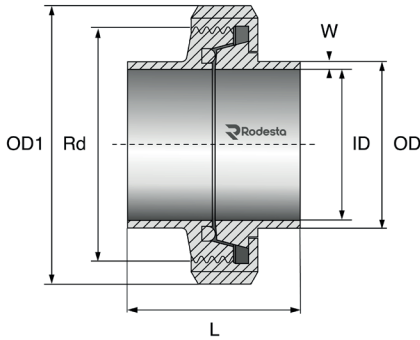


ZK-105 | **Union complete** | DIN - EPDM



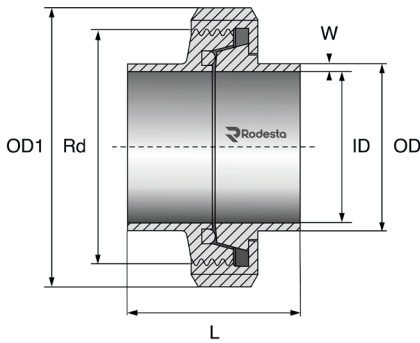
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DN 10	13	38	10	1.5	34	Rd 28 x 1/8"	0,131	ZK1054013E	ZK1056013E
DN 15	19	44	16	1.5	34	Rd 34 x 1/8"	0,162	ZK1054019E	ZK1056019E
DN 20	23	54	20	1.5	36	Rd 44 x 1/6"	0,283	ZK1054023E	ZK1056023E
DN 25	29	63	26	1.5	45	Rd 52 x 1/6"	0,373	ZK1054029E	ZK1056029E
DN 32	35	70	32	1.5	51	Rd 58 x 1/6"	0,454	ZK1054035E	ZK1056035E
DN 40	41	78	38	1.5	53	Rd 65 x 1/6"	0,534	ZK1054041E	ZK1056041E
DN 50	53	92	50	1.5	57	Rd 78 x 1/6"	0,725	ZK1054053E	ZK1056053E
DN 65	70	112	66	2	65	Rd 95 x 1/6"	1,196	ZK1054070E	ZK1056070E
DN 80	85	127	81	2	75	Rd 110 x 1/4"	1,748	ZK1054085E	ZK1056085E
DN 90	95	138	89	3	82	Rd 120 x 1/4"	0,808	ZK1054095E	ZK1056095E
DN 100	104	148	100	2	89	Rd 130 x 1/4"	1,450	ZK1054104E	ZK1056104E
DN 125	129	178	125	2	70	Rd 160 x 1/4"	3,092	ZK1054129E	ZK1056129E
DN 150	154	210	150	2	76	Rd 190 x 1/4"	3,398	ZK1054154E	ZK1056154E
DN 200	212	260	200	6	74	Rd 240 x 1/4"	7,516	ZK1054212E	ZK1056212E

ZK-105 | **Union complete** | DIN - FKM



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DN 20	23	54	20	1.5	36	Rd 44 x 1/6"	0,283	ZK1054023F	ZK1056023F
DN 25	29	63	26	1.5	45	Rd 52 x 1/6"	0,373	ZK1054029F	ZK1056029F
DN 32	35	70	32	1.5	51	Rd 58 x 1/6"	0,454	ZK1054035F	ZK1056035F
DN 40	41	78	38	1.5	53	Rd 65 x 1/6"	0,534	ZK1054041F	ZK1056041F
DN 50	53	92	50	1.5	57	Rd 78 x 1/6"	0,725	ZK1054053F	ZK1056053F
DN 65	70	112	66	2	65	Rd 95 x 1/6"	1,196	ZK1054070F	ZK1056070F
DN 80	85	127	81	2	75	Rd 110 x 1/4"	1,748	ZK1054085F	ZK1056085F
DN 90	95	138	89	3	82	Rd 120 x 1/4"	0,808	ZK1054095F	ZK1056095F
DN 100	104	148	100	2	89	Rd 130 x 1/4"	1,450	ZK1054104F	ZK1056104F
DN 125	129	178	125	2	70	Rd 160 x 1/4"	3,092	ZK1054129F	ZK1056129F
DN 150	154	210	150	2	76	Rd 190 x 1/4"	3,398	ZK1054154F	ZK1056154F
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ZK-105 | **Union complete** | DIN - NBR

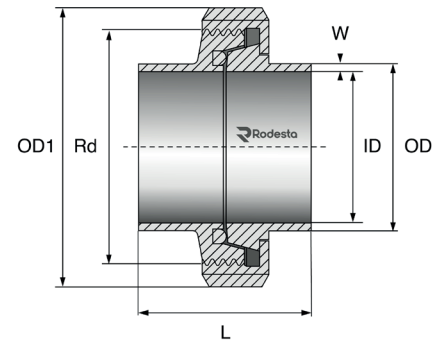


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DN 15	19	44	16	1.5	34	Rd 34 x 1/8"	0,162	ZK1054019N	ZK1056019N
DN 20	23	54	20	1.5	36	Rd 44 x 1/6"	0,283	ZK1054023N	ZK1056023N
DN 25	29	63	26	1.5	45	Rd 52 x 1/6"	0,373	ZK1054029N	ZK1056029N
DN 32	35	70	32	1.5	51	Rd 58 x 1/6"	0,454	ZK1054035N	ZK1056035N
DN 40	41	78	38	1.5	53	Rd 65 x 1/6"	0,534	ZK1054041N	ZK1056041N
DN 50	53	92	50	1.5	57	Rd 78 x 1/6"	0,725	ZK1054053N	ZK1056053N
DN 65	70	112	66	2	65	Rd 95 x 1/6"	1,196	ZK1054070N	ZK1056070N
DN 80	85	127	81	2	75	Rd 110 x 1/4"	1,748	ZK1054085N	ZK1056085N
DN 90	95	138	89	3	82	Rd 120 x 1/4"	0,808	ZK1054095N	ZK1056095N
DN 100	104	148	100	2	89	Rd 130 x 1/4"	1,450	ZK1054104N	ZK1056104N
DN 125	129	178	125	2	70	Rd 160 x 1/4"	3,092	ZK1054129N	ZK1056129N
DN 150	154	210	150	2	76	Rd 190 x 1/4"	3,398	ZK1054154N	ZK1056154N
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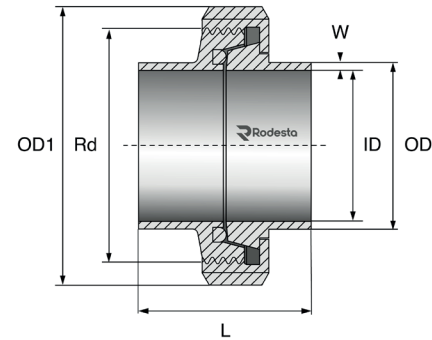
DIN - PTFE | **Union complete** | ZK-105

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DN 15	19	44	16	1.5	34	Rd 34 x 1/8"	0,162	ZK1054019P	ZK1056019P
DN 20	23	54	20	1.5	36	Rd 44 x 1/6"	0,283	ZK1054023P	ZK1056023P
DN 25	29	63	26	1.5	45	Rd 52 x 1/6"	0,373	ZK1054029P	ZK1056029P
DN 32	35	70	32	1.5	51	Rd 58 x 1/6"	0,454	ZK1054035P	ZK1056035P
DN 40	41	78	38	1.5	53	Rd 65 x 1/6"	0,534	ZK1054041P	ZK1056041P
DN 50	53	92	50	1.5	57	Rd 78 x 1/6"	0,725	ZK1054053P	ZK1056053P
DN 65	70	112	66	2	65	Rd 95 x 1/6"	1,196	ZK1054070P	ZK1056070P
DN 80	85	127	81	2	75	Rd 110 x 1/4"	1,748	ZK1054085P	ZK1056085P
DN 90	95	138	89	3	82	Rd 120 x 1/4"	0,808	ZK1054095P	ZK1056095P
DN 100	104	148	100	2	89	Rd 130 x 1/4"	1,450	ZK1054104P	ZK1056104P
DN 125	129	178	125	2	70	Rd 160 x 1/4"	3,092	ZK1054129P	ZK1056129P
DN 150	154	210	150	2	76	Rd 190 x 1/4"	3,398	ZK1054154P	ZK1056154P
DN 200	212	260	200	6	74	Rd 240 x 1/4"	7,516	ZK1054212P	ZK1056212P



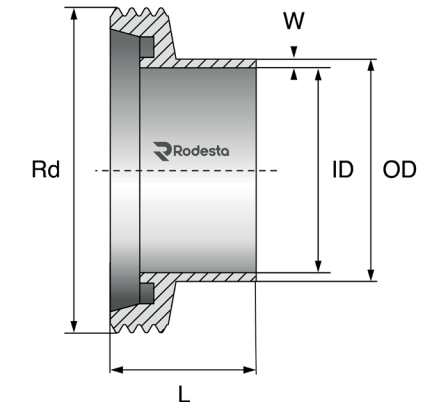
DIN - Silicone | **Union complete** | ZK-105

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DN 15	19	44	16	1.5	34	Rd 34 x 1/8"	0,162	ZK1054019S	ZK1056019S
DN 20	23	54	20	1.5	36	Rd 44 x 1/6"	0,283	ZK1054023S	ZK1056023S
DN 25	29	63	26	1.5	45	Rd 52 x 1/6"	0,373	ZK1054029S	ZK1056029S
DN 32	35	70	32	1.5	51	Rd 58 x 1/6"	0,454	ZK1054035S	ZK1056035S
DN 40	41	78	38	1.5	53	Rd 65 x 1/6"	0,534	ZK1054041S	ZK1056041S
DN 50	53	92	50	1.5	57	Rd 78 x 1/6"	0,725	ZK1054053S	ZK1056053S
DN 65	70	112	66	2	65	Rd 95 x 1/6"	1,196	ZK1054070S	ZK1056070S
DN 80	85	127	81	2	75	Rd 110 x 1/4"	1,748	ZK1054085S	ZK1056085S
DN 90	95	138	89	3	82	Rd 120 x 1/4"	0,808	ZK1054095S	ZK1056095S
DN 100	104	148	100	2	89	Rd 130 x 1/4"	1,450	ZK1054104S	ZK1056104S
DN 125	129	178	125	2	70	Rd 160 x 1/4"	3,092	ZK1054129S	ZK1056129S
DN 150	154	210	150	2	76	Rd 190 x 1/4"	3,398	ZK1054154S	ZK1056154S
DN 200	212	260	200	6	74	Rd 240 x 1/4"	7,516	ZK1054212S	ZK1056212S



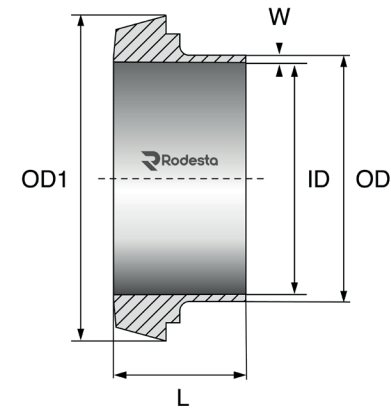
DIN | **Male SC** | ZK-110

DN	OD	ID	W	L	Rd	Kg	304L	316L
DN 10	13	10	1.5	21	Rd 28 x 1/8"	0,040	ZK1104013	ZK1106013
DN 15	19	16	1.5	21	Rd 34 x 1/8"	0,050	ZK1104019	ZK1106019
DN 20	23	20	1.5	24	Rd 44 x 1/6"	0,090	ZK1104023	ZK1106023
DN 25	29	26	1.5	29	Rd 52 x 1/6"	0,110	ZK1104029	ZK1106029
DN 32	35	32	1.5	32	Rd 58 x 1/6"	0,130	ZK1104035	ZK1106035
DN 40	41	38	1.5	33	Rd 65 x 1/6"	0,160	ZK1104041	ZK1106041
DN 50	53	50	1.5	35	Rd 78 x 1/6"	0,220	ZK1104053	ZK1106053
DN 65	70	66	2	40	Rd 95 x 1/6"	0,350	ZK1104070	ZK1106070
DN 80	85	81	2	45	Rd 110 x 1/4"	0,520	ZK1104085	ZK1106085
DN 90	95	89	3	45	Rd 120 x 1/4"	0,610	ZK1104095	ZK1106095
DN 100	104	100	2	54	Rd 130 x 1/4"	0,670	ZK1104104	ZK1106104
DN 125	129	125	2	46	Rd 160 x 1/4"	0,990	ZK1104129	ZK1106129
DN 150	154	150	2	50	Rd 190 x 1/4"	1,710	ZK1104154	ZK1106154
DN 200	212	200	6	50	Rd 240 x 1/4"	2,500	ZK1104212	ZK1106212



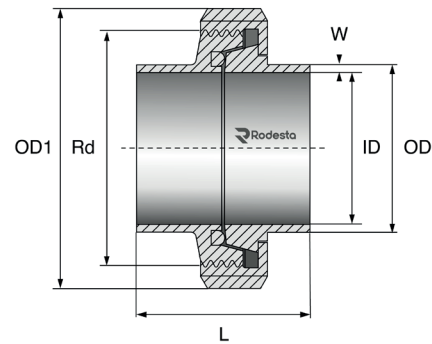


ZK-115 | Liner SD | DIN



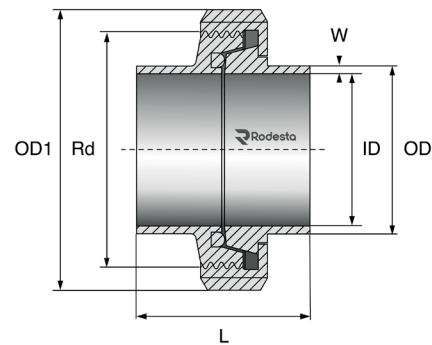
DN	OD	OD1	ID	W	L	Kg	304L	316L
DN 10	13	22.5	10	1.5	17	0,020	ZK1154013	ZK1156013
DN 15	19	28.5	16	1.5	17	0,030	ZK1154019	ZK1156019
DN 20	23	36.5	20	1.5	18	0,060	ZK1154023	ZK1156023
DN 25	29	44	26	1.5	22	0,080	ZK1154029	ZK1156029
DN 32	35	50	32	1.5	25	0,100	ZK1154035	ZK1156035
DN 40	41	56	38	1.5	26	0,120	ZK1154041	ZK1156041
DN 50	53	68.5	50	1.5	28	0,170	ZK1154053	ZK1156053
DN 65	70	86	66	2	32	0,290	ZK1154070	ZK1156070
DN 80	85	100	81	2	37	0,350	ZK1154085	ZK1156085
DN 90	95	111	89	3	35	0,440	ZK1154095	ZK1156095
DN 100	104	121	100	2	44	0,570	ZK1154104	ZK1156104
DN 125	129	150	125	2	34	0,770	ZK1154129	ZK1156129
DN 150	154	176	150	2	37	1,010	ZK1154154	ZK1156154
DN 200	212	226	200	6	39	1,670	ZK1154212	ZK1156212

ZK-205 | Union complete | ISO - EPDM



DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
DN 10 ISO	17.2	38	14.2	1.5	34	Rd 28 x 1/8"	0,131	ZK2054017E	ZK2056017E
DN 15 ISO	21.3	44	18.1	1.6	34	Rd 34 x 1/8"	0,162	ZK2054021E	ZK2056021E
DN 20 ISO	26.9	54	23.7	1.6	36	Rd 44 x 1/6"	0,293	ZK2054026E	ZK2056026E
DN 25 ISO	33.7	63	29.7	2	45	Rd 52 x 1/6"	0,403	ZK2054033E	ZK2056033E
DN 32 ISO	42.4	70	38.4	2	51	Rd 58 x 1/6"	0,494	ZK2054042E	ZK2056042E
DN 40 ISO	48.3	78	44.3	2	53	Rd 65 x 1/6"	0,604	ZK2054048E	ZK2056048E
DN 50 ISO	60.3	92	56.3	2	57	Rd 78 x 1/6"	0,845	ZK2054060E	ZK2056060E
DN 65 ISO	76.1	112	72.1	2	65	Rd 95 x 1/6"	1,326	ZK2054076E	ZK2056076E
DN 80 ISO	88.9	127	84.9	2	75	Rd 110 x 1/4"	1,648	ZK2054088E	ZK2056088E
DN 100 ISO	114.3	148	110.3	2	89	Rd 130 x 1/4"	2,458	ZK2054114E	ZK2056114E
DN 125 ISO	139.7	178	134.5	2.6	70	Rd 160 x 1/4"	3,690	ZK2054139E	ZK2056139E
DN 150 ISO	168.3	210	163.1	2.6	76	Rd 190 x 1/4"	4,922	ZK2054168E	ZK2056168E

ZK-205 | Union complete | ISO - FKM

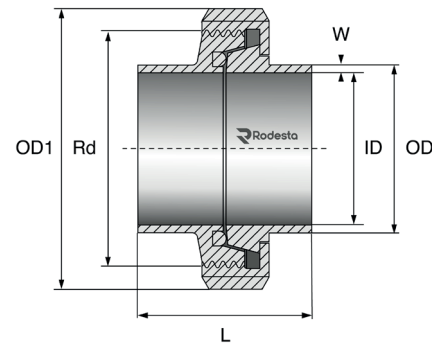


DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
DN 10 ISO	17.2	38	14.2	1.5	34	Rd 28 x 1/8"	0,131	ZK2054017F	ZK2056017F
DN 15 ISO	21.3	44	18.1	1.6	34	Rd 34 x 1/8"	0,162	ZK2054021F	ZK2056021F
DN 20 ISO	26.9	54	23.7	1.6	36	Rd 44 x 1/6"	0,293	ZK2054021F	ZK2056026F
DN 25 ISO	33.7	63	29.7	2	45	Rd 52 x 1/6"	0,403	ZK2054021F	ZK2056033F
DN 32 ISO	42.4	70	38.4	2	51	Rd 58 x 1/6"	0,494	ZK2054021F	ZK2056042F
DN 40 ISO	48.3	78	44.3	2	53	Rd 65 x 1/6"	0,604	ZK2054021F	ZK2056048F
DN 50 ISO	60.3	92	56.3	2	57	Rd 78 x 1/6"	0,845	ZK2054021F	ZK2056060F
DN 65 ISO	76.1	112	72.1	2	65	Rd 95 x 1/6"	1,326	ZK2054021F	ZK2056076F
DN 80 ISO	88.9	127	84.9	2	75	Rd 110 x 1/4"	1,648	ZK2054021F	ZK2056088F
DN 100 ISO	114.3	148	110.3	2	89	Rd 130 x 1/4"	2,458	ZK2054021F	ZK2056114F
DN 125 ISO	139.7	178	134.5	2.6	70	Rd 160 x 1/4"	3,690	ZK2054021F	ZK2056139F
DN 150 ISO	168.3	210	163.1	2.6	76	Rd 190 x 1/4"	4,922	ZK2054021F	ZK2056168F



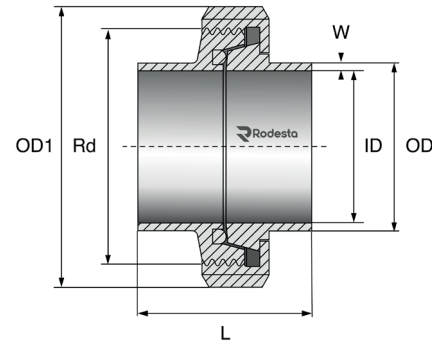
ISO - NBR | Union complete | ZK-205

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
DN 10 ISO	17.2	38	14.2	1.5	34	Rd 28 x 1/8"	0,131	ZK2054017N	ZK2056017N
DN 15 ISO	21.3	44	18.1	1.6	34	Rd 34 x 1/8"	0,162	ZK2054021F	ZK2056021N
DN 20 ISO	26.9	54	23.7	1.6	36	Rd 44 x 1/6"	0,293	ZK2054021F	ZK2056026N
DN 25 ISO	33.7	63	29.7	2	45	Rd 52 x 1/6"	0,403	ZK2054021F	ZK2056033N
DN 32 ISO	42.4	70	38.4	2	51	Rd 58 x 1/6"	0,494	ZK2054021F	ZK2056042N
DN 40 ISO	48.3	78	44.3	2	53	Rd 65 x 1/6"	0,604	ZK2054021F	ZK2056048N
DN 50 ISO	60.3	92	56.3	2	57	Rd 78 x 1/6"	0,845	ZK2054021F	ZK2056060N
DN 65 ISO	76.1	112	72.1	2	65	Rd 95 x 1/6"	1,326	ZK2054021F	ZK2056076N
DN 80 ISO	88.9	127	84.9	2	75	Rd 110 x 1/4"	1,648	ZK2054021F	ZK2056088N
DN 100 ISO	114.3	148	110.3	2	89	Rd 130 x 1/4"	2,458	ZK2054021F	ZK2056114N
DN 125 ISO	139.7	178	134.5	2.6	70	Rd 160 x 1/4"	3,690	ZK2054021F	ZK2056139N
DN 150 ISO	168.3	210	163.1	2.6	76	Rd 190 x 1/4"	4,922	ZK2054168N	ZK2056168N



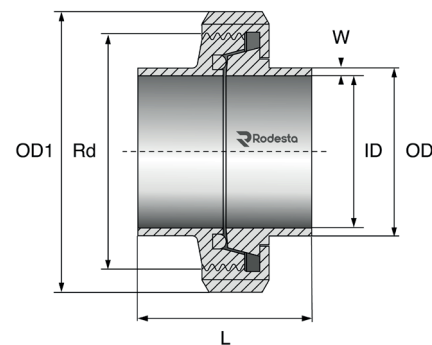
ISO - PTFE | Union complete | ZK-205

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
DN 10 ISO	17.2	38	14.2	1.5	34	Rd 28 x 1/8"	0,131	ZK2054017P	ZK2056017P
DN 15 ISO	21.3	44	18.1	1.6	34	Rd 34 x 1/8"	0,162	ZK2054021F	ZK2056021P
DN 20 ISO	26.9	54	23.7	1.6	36	Rd 44 x 1/6"	0,293	ZK2054021F	ZK2056026P
DN 25 ISO	33.7	63	29.7	2	45	Rd 52 x 1/6"	0,403	ZK2054021F	ZK2056033P
DN 32 ISO	42.4	70	38.4	2	51	Rd 58 x 1/6"	0,494	ZK2054021F	ZK2056042P
DN 40 ISO	48.3	78	44.3	2	53	Rd 65 x 1/6"	0,604	ZK2054021F	ZK2056048P
DN 50 ISO	60.3	92	56.3	2	57	Rd 78 x 1/6"	0,845	ZK2054021F	ZK2056060P
DN 65 ISO	76.1	112	72.1	2	65	Rd 95 x 1/6"	1,326	ZK2054021F	ZK2056076P
DN 80 ISO	88.9	127	84.9	2	75	Rd 110 x 1/4"	1,648	ZK2054021F	ZK2056088P
DN 100 ISO	114.3	148	110.3	2	89	Rd 130 x 1/4"	2,458	ZK2054021F	ZK2056114P
DN 125 ISO	139.7	178	134.5	2.6	70	Rd 160 x 1/4"	3,690	ZK2054021F	ZK2056139P
DN 150 ISO	168.3	210	163.1	2.6	76	Rd 190 x 1/4"	4,922	ZK2054168P	ZK2056168P



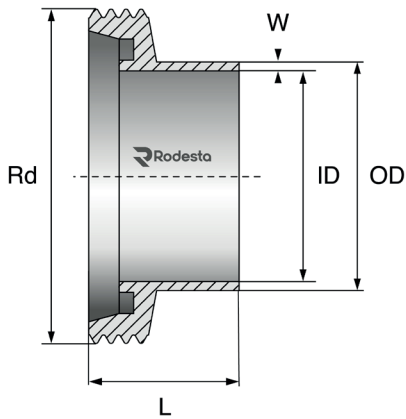
ISO - Silicone | Union complete | ZK-205

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
DN 10 ISO	17.2	38	14.2	1.5	34	Rd 28 x 1/8"	0,131	ZK2054017S	ZK2056017S
DN 15 ISO	21.3	44	18.1	1.6	34	Rd 34 x 1/8"	0,162	ZK2054021F	ZK2056021S
DN 20 ISO	26.9	54	23.7	1.6	36	Rd 44 x 1/6"	0,293	ZK2054021F	ZK2056026S
DN 25 ISO	33.7	63	29.7	2	45	Rd 52 x 1/6"	0,403	ZK2054021F	ZK2056033S
DN 32 ISO	42.4	70	38.4	2	51	Rd 58 x 1/6"	0,494	ZK2054021F	ZK2056042S
DN 40 ISO	48.3	78	44.3	2	53	Rd 65 x 1/6"	0,604	ZK2054021F	ZK2056048S
DN 50 ISO	60.3	92	56.3	2	57	Rd 78 x 1/6"	0,845	ZK2054021F	ZK2056060S
DN 65 ISO	76.1	112	72.1	2	65	Rd 95 x 1/6"	1,326	ZK2054021F	ZK2056076S
DN 80 ISO	88.9	127	84.9	2	75	Rd 110 x 1/4"	1,648	ZK2054021F	ZK2056088S
DN 100 ISO	114.3	148	110.3	2	89	Rd 130 x 1/4"	2,458	ZK2054021F	ZK2056114S
DN 125 ISO	139.7	178	134.5	2.6	70	Rd 160 x 1/4"	3,690	ZK2054021F	ZK2056139S
DN 150 ISO	168.3	210	163.1	2.6	76	Rd 190 x 1/4"	4,922	ZK2054168S	ZK2056168S



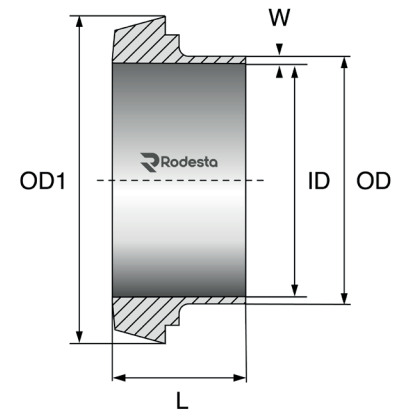


ZK-210 | Male SC | ISO



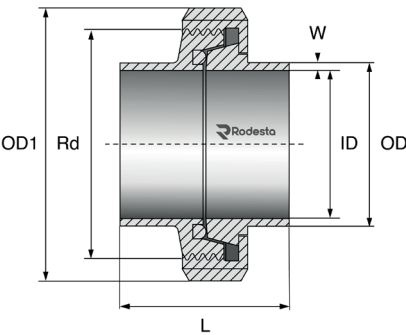
DN	OD	ID	W	L	Rd	Kg	304L	316L
DN 10 ISO	17.2	14	1.6	21	Rd 28 x 1/8"	0,040	ZK2104017	ZK2106017
DN 15 ISO	21.3	18.1	1.6	21	Rd 34 x 1/8"	0,050	ZK2104021	ZK2106021
DN 20 ISO	26.9	23.7	1.6	24	Rd 44 x 1/6"	0,100	ZK2104026	ZK2106026
DN 25 ISO	33.7	29.7	2	29	Rd 52 x 1/6"	0,130	ZK2104033	ZK2106033
DN 32 ISO	42.4	38.4	2	32	Rd 58 x 1/6"	0,160	ZK2104042	ZK2106042
DN 40 ISO	48.3	44.3	2	33	Rd 65 x 1/6"	0,210	ZK2104048	ZK2106048
DN 50 ISO	60.3	56.3	2	35	Rd 78 x 1/6"	0,300	ZK2104060	ZK2106060
DN 65 ISO	76.1	72.1	2	40	Rd 95 x 1/6"	0,450	ZK2104076	ZK2106076
DN 80 ISO	88.9	84.9	2	45	Rd 110 x 1/4"	0,600	ZK2104088	ZK2106088
DN 100 ISO	114.3	110.3	2	54	Rd 130 x 1/4"	0,780	ZK2104114	ZK2106114
DN 125 ISO	139.7	134.5	2.6	46	Rd 160 x 1/4"	1,120	ZK2104139	ZK2106139
DN 150 ISO	168.3	163.1	2.6	50	Rd 190 x 1/4"	1,900	ZK2104168	ZK2106168

ZK-215 | Liner SD | ISO



DN	OD	OD1	ID	W	L	Kg	304L	316L
DN 10 ISO	17.2	22.5	14	1.6	17	0,020	ZK2154017	ZK2156017
DN 15 ISO	21.3	28.5	18.1	1.6	17	0,030	ZK2154021	ZK2156021
DN 20 ISO	26.9	36.5	23.7	1.6	18	0,060	ZK2154026	ZK2156026
DN 25 ISO	33.7	44	29.7	2	22	0,090	ZK2154033	ZK2156033
DN 32 ISO	42.4	50	38.4	2	25	0,110	ZK2154042	ZK2156042
DN 40 ISO	48.3	56	44.3	2	26	0,140	ZK2154048	ZK2156048
DN 50 ISO	60.3	68.5	56.3	2	28	0,210	ZK2154060	ZK2156060
DN 65 ISO	76.1	86	72.1	2	32	0,320	ZK2154076	ZK2156076
DN 80 ISO	88.9	100	84.9	2	37	0,390	ZK2154088	ZK2156088
DN 100 ISO	114.3	121	110.3	2	44	0,590	ZK2154114	ZK2156114
DN 125 ISO	139.7	150	134.5	2.6	34	1,110	ZK2154139	ZK2156139
DN 150 ISO	168.3	176	163.1	2.6	37	1,130	ZK2154168	ZK2156168

ZK-305 | Union complete | INCH - EPDM

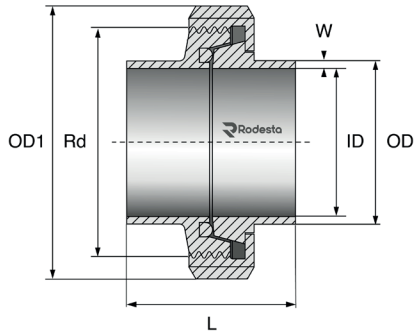


DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
1"	25.4	63	22.1	1.65	45	Rd 52 x 1/6"	0,431	ZK3054025E	ZK3056025E
1-1/4"	31.8	70	28.5	1.65	51	Rd 58 x 1/6"	0,460	ZK3054031E	ZK3056031E
1-1/2"	38.1	78	34.8	1.65	53	Rd 65 x 1/6"	0,653	ZK3054038E	ZK3056038E
2"	50.8	92	47.5	1.65	57	Rd 78 x 1/6"	0,883	ZK3054050E	ZK3056050E
2-1/2"	63.5	112	60.2	1.65	65	Rd 95 x 1/6"	1,484	ZK3054063E	ZK3056063E
3" (DN 75)	76.1	119	72.9	1.65	65	Rd 104 x 1/6"	1,414	ZK3054076E	ZK3056076E
4"	101.6	148	97.6	2	89	Rd 130 x 1/4"	3,066	ZK3054101E	ZK3056101E



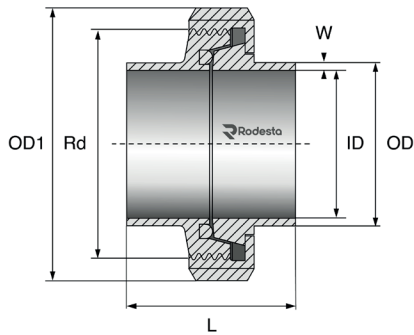
INCH - FKM | Union complete | ZK-305

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
1"	25.4	63	22.1	1.65	45	Rd 52 x 1/6"	0,431	ZK3054025F	ZK3056025F
1-1/4"	31.8	70	28.5	1.65	51	Rd 58 x 1/6"	0,460	ZK3054031F	ZK3056031F
1-1/2"	38.1	78	34.8	1.65	53	Rd 65 x 1/6"	0,653	ZK3054038F	ZK3056038F
2"	50.8	92	47.5	1.65	57	Rd 78 x 1/6"	0,883	ZK3054050F	ZK3056050F
2-1/2"	63.5	112	60.2	1.65	65	Rd 95 x 1/6"	1,484	ZK3054063F	ZK3056063F
3" (DN 75)	76.1	119	72.9	1.65	65	Rd 104 x 1/6"	1,414	ZK3054076F	ZK3056076F
4"	101.6	148	97.6	2	89	Rd 130 x 1/4"	3,066	ZK3054101F	ZK3056101F



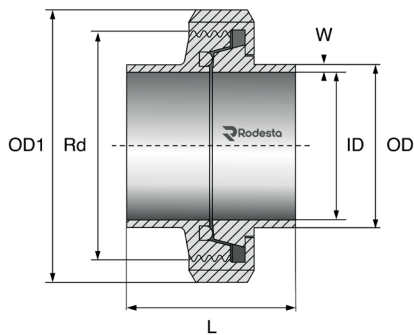
INCH - NBR | Union complete | ZK-305

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
1"	25.4	63	22.1	1.65	45	Rd 52 x 1/6"	0,431	ZK3054025N	ZK3056025N
1-1/4"	31.8	70	28.5	1.65	51	Rd 58 x 1/6"	0,460	ZK3054031N	ZK3056031N
1-1/2"	38.1	78	34.8	1.65	53	Rd 65 x 1/6"	0,653	ZK3054038N	ZK3056038N
2"	50.8	92	47.5	1.65	57	Rd 78 x 1/6"	0,883	ZK3054050N	ZK3056050N
2-1/2"	63.5	112	60.2	1.65	65	Rd 95 x 1/6"	1,484	ZK3054063N	ZK3056063N
3" (DN 75)	76.1	119	72.9	1.65	65	Rd 104 x 1/6"	1,414	ZK3054076N	ZK3056076N
4"	101.6	148	97.6	2	89	Rd 130 x 1/4"	3,066	ZK3054101N	ZK3056101N



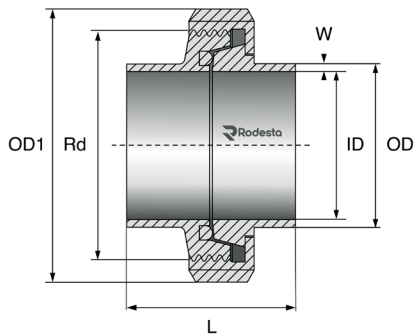
INCH - PTFE | Union complete | ZK-305

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
1"	25.4	63	22.1	1.65	45	Rd 52 x 1/6"	0,431	ZK3054025P	ZK3056025P
1-1/4"	31.8	70	28.5	1.65	51	Rd 58 x 1/6"	0,460	ZK3054031P	ZK3056031P
1-1/2"	38.1	78	34.8	1.65	53	Rd 65 x 1/6"	0,653	ZK3054038P	ZK3056038P
2"	50.8	92	47.5	1.65	57	Rd 78 x 1/6"	0,883	ZK3054050P	ZK3056050P
2-1/2"	63.5	112	60.2	1.65	65	Rd 95 x 1/6"	1,484	ZK3054063P	ZK3056063P
3" (DN 75)	76.1	119	72.9	1.65	65	Rd 104 x 1/6"	1,414	ZK3054076P	ZK3056076P
4"	101.6	148	97.6	2	89	Rd 130 x 1/4"	3,066	ZK3054101P	ZK3056025P



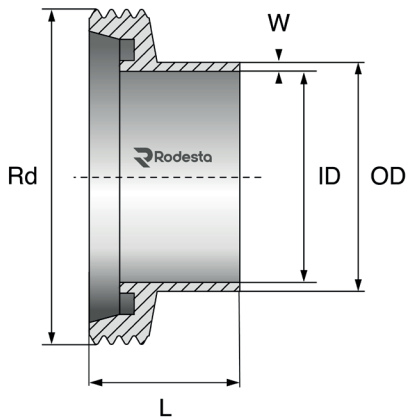
INCH - Silicone | Union complete | ZK-305

DN	OD	OD1	ID	W	L	Rd	Kg	304L	316L
1"	25.4	63	22.1	1.65	45	Rd 52 x 1/6"	0,431	ZK3054025S	ZK3056025S
1-1/4"	31.8	70	28.5	1.65	51	Rd 58 x 1/6"	0,460	ZK3054031S	ZK3056031S
1-1/2"	38.1	78	34.8	1.65	53	Rd 65 x 1/6"	0,653	ZK3054038S	ZK3056038S
2"	50.8	92	47.5	1.65	57	Rd 78 x 1/6"	0,883	ZK3054050S	ZK3056050S
2-1/2"	63.5	112	60.2	1.65	65	Rd 95 x 1/6"	1,484	ZK3054063S	ZK3056063S
3" (DN 75)	76.1	119	72.9	1.65	65	Rd 104 x 1/6"	1,414	ZK3054076S	ZK3056076S
4"	101.6	148	97.6	2	89	Rd 130 x 1/4"	3,066	ZK3054101S	ZK3056101S



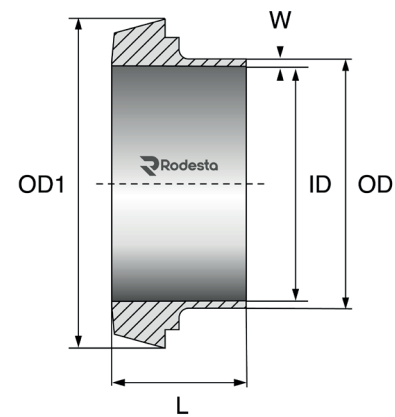


ZK-310 | Male SC | INCH



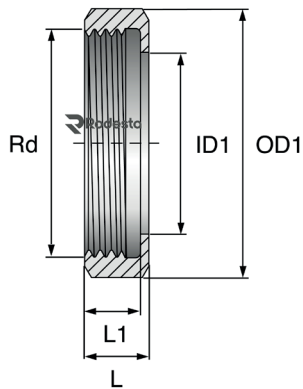
DN	OD	ID	W	L	Rd	Kg	304L	316L
1"	25.4	22.1	1.65	29	Rd 52 x 1/6"	0,150	ZK3104025	ZK3106025
1-1/4"	31.8	28.5	1.65	32	Rd 58 x 1/6"	0,200	ZK3104031	ZK3106031
1-1/2"	38.1	34.8	1.65	33	Rd 65 x 1/6"	0,250	ZK3104038	ZK3106038
2"	50.8	47.5	1.65	35	Rd 78 x 1/6"	0,340	ZK3104050	ZK3106050
2-1/2"	63.5	60.2	1.65	40	Rd 95 x 1/6"	0,560	ZK3104063	ZK3106063
3" (DN 75)	76.1	72.8	1.65	40	Rd 104 x 1/6"	0,420	ZK3104075	ZK3106075
3" (DN 80)	76.1	72.8	1.65	45	Rd 110 x 1/4"	0,420	ZK3104080	ZK3106080
4"	101.6	97.6	2	54	Rd 130 x 1/4"	1,160	ZK3104101	ZK3106101

ZK-315 | Liner SD | INCH



DN	OD	OD1	ID	W	L	Kg	304L	316L
1"	25.4	44	22.1	1.65	22	0,100	ZK3154025	ZK3156025
1-1/4"	31.8	50	28.5	1.65	25	0,120	ZK3154031	ZK3156031
1-1/2"	38.1	56	34.8	1.65	26	0,150	ZK3154038	ZK3156038
2"	50.8	68.5	47.5	1.65	28	0,210	ZK3154050	ZK3156050
2-1/2"	63.5	86	60.2	1.65	32	0,370	ZK3154063	ZK3156063
3" (DN 75)	76.1	93	72.8	1.65	32	0,340	ZK3154075	ZK3156075
3" (DN 80)	76.1	100	72.8	1.65	37	0,340	ZK3154080	ZK3156080
4"	101.6	121	97.6	2	44	0,820	ZK3154101	ZK3156101

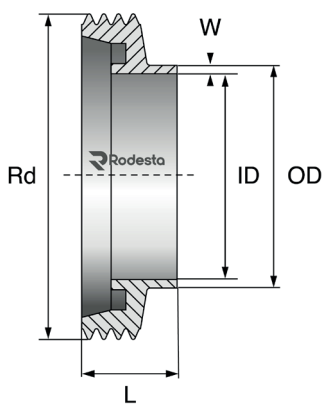
ZK-405 | Nut F | DIN - INCH - ISO



DN	ID1	OD1	L	L1	Rd	Kg	304L	316L
DN 10 (ISO)	19	38	18	15	Rd 28 x 1/8"	0,070	ZK4054010	ZK4056010
DN 15 (ISO)	25	44	18	15	Rd 34 x 1/8"	0,080	ZK4054015	ZK4056015
DN 20 (ISO)	31	54	20	17	Rd 44 x 1/6"	0,130	ZK4054020	ZK4056020
DN 25 (ISO) (1")	36	63	21	18	Rd 52 x 1/6"	0,180	ZK4054025	ZK4056025
DN 32 (1-1/4")	42.5	70	21	18	Rd 58 x 1/6"	0,220	ZK4054032	ZK4056032
DN 32 ISO	42.5	70	21	18	Rd 58 x 1/6"	0,220	ZK4054032ISO	ZK4056032ISO
DN 40 (ISO) (1-1/2")	49	78	21	18	Rd 65 x 1/6"	0,250	ZK4054040	ZK4056040
DN 50 (ISO) (2")	62	92	22	19	Rd 78 x 1/6"	0,330	ZK4054050	ZK4056050
DN 65 (ISO) (2-1/2")	80	112	25	21	Rd 95 x 1/6"	0,550	ZK4054065	ZK4056065
DN 75 (3")	86.5	120	26	21	Rd 104 x 1/6"	0,650	ZK4054075	ZK4056075
DN 80 (ISO) (3")	94	127	29	25	Rd 110 x 1/4"	0,800	ZK4054080	ZK4056080
DN 90	104	138	30	26	Rd 120 x 1/4"	0,900	ZK4054090	ZK4056090
DN 100 (ISO) (4")	115	148	31	26	Rd 130 x 1/4"	1,080	ZK4054100	ZK4056100
DN 125	138	178	35	30	Rd 160 x 1/4"	1,450	ZK4054125	ZK4056125
DN 125 ISO	140	178	40	34	Rd 190 x 1/4"	1,880	ZK4054125ISO	ZK4056125ISO
DN 150	164	210	40	34	Rd 190 x 1/4"	1,880	ZK4054150	ZK4056150
DIN 150 ISO	169	210	44	38	Rd 190 x 1/4"	3,970	ZK4054150ISO	ZK4056150ISO
DN 200	215	260	44	38	Rd 240 x 1/4"	3,970	ZK4054200	ZK4056200

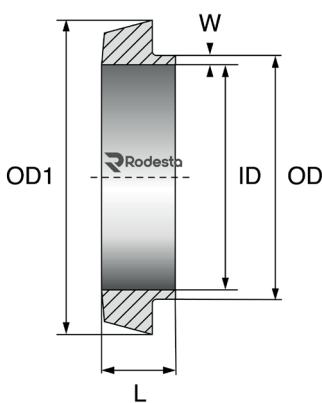


DIN | Male short SKC | ZK-410



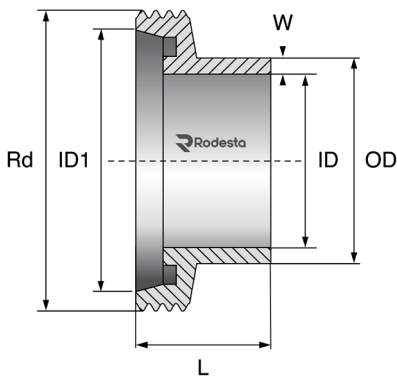
DN	OD	ID	W	L	Rd	Kg	304L	316L
DN 10	13	10	1.5	17	Rd 28 x 1/8"	0,040	ZK4104013	ZK4106013
DN 15	19	16	1.5	17	Rd 34 x 1/8"	0,050	ZK4104019	ZK4106019
DN 20	23	20	1.5	19	Rd 44 x 1/6"	0,070	ZK4104023	ZK4106023
DN 25	29	26	1.5	22	Rd 52 x 1/6"	0,100	ZK4104029	ZK4106029
DN 32	35	32	1.5	22	Rd 58 x 1/6"	0,120	ZK4104035	ZK4106035
DN 40	41	38	1.5	22	Rd 65 x 1/6"	0,140	ZK4104041	ZK4106041
DN 50	53	50	1.5	23	Rd 78 x 1/6"	0,170	ZK4104053	ZK4106053
DN 65	70	66	2	25	Rd 95 x 1/6"	0,260	ZK4104070	ZK4106070
DN 80	85	81	2	25	Rd 110 x 1/4"	0,390	ZK4104085	ZK4106085
DN 100	104	100	2	30	Rd 130 x 1/4"	0,530	ZK4104104	ZK4106104
DN 125	129	125	2	35.5	Rd 160 x 1/4"	0,740	ZK4104129	ZK4106129
DN 150	154	150	2	40	Rd 190 x 1/4"	1,360	ZK4104154	ZK4106154

DIN | Liner short SKD | ZK-415



DN	OD	OD1	ID	W	L	Kg	304L	316L
DN 10	13	22.5	10	1.5	13	0,020	ZK4154013	ZK4156013
DN 15	19	28.5	16	1.5	13	0,020	ZK4154019	ZK4156019
DN 20	23	36.5	20	1.5	13	0,040	ZK4154023	ZK4156023
DN 25	29	44	26	1.5	15	0,060	ZK4154029	ZK4156029
DN 32	35	50	32	1.5	15	0,080	ZK4154035	ZK4156035
DN 40	41	56	38	1.5	15	0,090	ZK4154041	ZK4156041
DN 50	53	68.5	50	1.5	16	0,110	ZK4154053	ZK4156053
DN 65	70	86	66	2	17	0,180	ZK4154070	ZK4156070
DN 80	85	100	81	2	17	0,220	ZK4154085	ZK4156085
DN 100	104	121	100	2	20	0,360	ZK4154104	ZK4156104
DN 125	129	150	125	2	23.5	0,580	ZK4154129	ZK4156129
DN 150	154	176	150	2	27	0,860	ZK4154154	ZK4156154

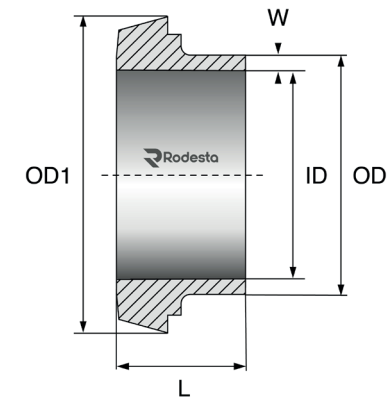
DIN | Male thick | ZK-420



DN	OD	ID	W	L	Rd	Kg	304L	316L
DN 10	18	10	4	21	Rd 28 x 1/8"	0,040	ZK4204018	ZK4206018
DN 15	24	16	4	21	Rd 34 x 1/8"	0,050	ZK4204024	ZK4206024
DN 20	30	20	5	24	Rd 44 x 1/6"	0,090	ZK4204030	ZK4206030
DN 25	35	26	4.5	29	Rd 52 x 1/6"	0,110	ZK4204035	ZK4206035
DN 32	41	32	4.5	32	Rd 58 x 1/6"	0,130	ZK4204041	ZK4206041
DN 40	48	38	5	33	Rd 65 x 1/6"	0,160	ZK4204048	ZK4206048
DN 50	61	50	5.5	35	Rd 78 x 1/6"	0,220	ZK4204061	ZK4206061
DN 65	79	66	6.5	40	Rd 95 x 1/6"	0,350	ZK4204079	ZK4206079
DN 80	93	81	8	45	Rd 110 x 1/4"	0,520	ZK4204093	ZK4206093
DN 100	114	100	7	54	Rd 130 x 1/4"	0,670	ZK4204114	ZK4206114
DN 125	132	125	3.5	46	Rd 160 x 1/4"	0,990	ZK4204132	ZK4206132
DN 150	157	150	3.5	50	Rd 190 x 1/4"	1,710	ZK4204157	ZK4206157

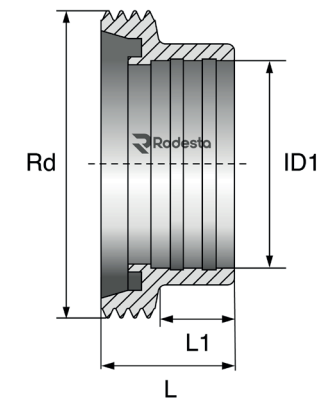


ZK-425 | Liner thick | DIN



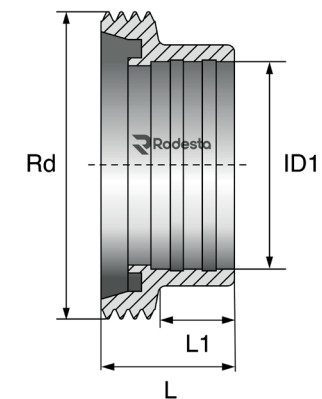
DN	OD	OD1	ID	W	L	Kg	304L	316L
DN 10	18	22.5	10	4	17	0,020	ZK4254018	ZK4256018
DN 15	24	28.5	16	4	17	0,030	ZK4254024	ZK4256024
DN 20	30	36.5	20	5	18	0,060	ZK4254030	ZK4256030
DN 25	35	44	26	4.5	22	0,080	ZK4254035	ZK4256035
DN 32	41	50	32	4.5	25	0,100	ZK4254041	ZK4256041
DN 40	48	56	38	5	26	0,120	ZK4254048	ZK4256048
DN 50	61	68.5	50	5.5	28	0,170	ZK4254061	ZK4256061
DN 65	79	86	66	6.5	32	0,290	ZK4254079	ZK4256079
DN 80	93	100	81	6	37	0,350	ZK4254093	ZK4256093
DN 100	114	121	100	7	44	0,570	ZK4254114	ZK4256114
DN 125	132	150	125	3.5	34	0,770	ZK4254132	ZK4256132
DN 150	157	176	150	3.5	37	1,010	ZK4254157	ZK4256157

ZK-430 | Expanding male part C | DIN



DN	ID1	L	L1	Rd	Kg	304L	316L
DN 10	12.2	21	12	Rd 28 x 1/8"	0,040	ZK4304012	ZK4306012
DN 15	18.2	21	12	Rd 34 x 1/8"	0,050	ZK4304018	ZK4306018
DN 20	22.2	24	12	Rd 44 x 1/6"	0,070	ZK4304022	ZK4306022
DN 25	28.2	29	15	Rd 52 x 1/6"	0,100	ZK4304028	ZK4306028
DN 32	34.2	32	18	Rd 58 x 1/6"	0,120	ZK4304034	ZK4306034
DN 40	40.2	33	20	Rd 65 x 1/6"	0,140	ZK4304040	ZK4306040
DN 50	52.2	35	22	Rd 78 x 1/6"	0,170	ZK4304052	ZK4306052
DN 65	70.3	40	25	Rd 95 x 1/6"	0,260	ZK4304070	ZK4306070
DN 80	85.3	45	28	Rd 110 x 1/4"	0,390	ZK4304085	ZK4306085
DN 100	104.3	54	35	Rd 130 x 1/4"	0,530	ZK4304104	ZK4306104

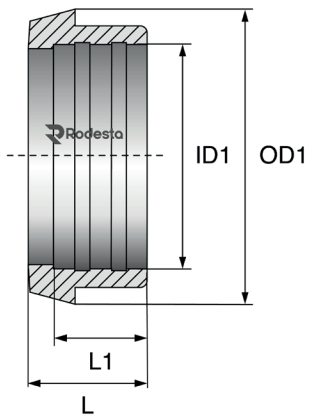
ZK-435 | Expanding male part | INCH



DN	ID1	L	L1	Rd	Kg	304L	316L
1"	25.6	29	16	Rd 52 x 1/6"	0,040	ZK4354025	ZK4356025
1-1/2"	38.3	33	20	Rd 65 x 1/6"	0,070	ZK4354038	ZK4356038
2"	51	35	22	Rd 78 x 1/6"	0,100	ZK4354050	ZK4356050
2-1/2"	63.7	40	25	Rd 95 x 1/6"	0,120	ZK4354063	ZK4356063
3" (DN 75)	76.4	40	26	Rd 104 x 1/6"	0,140	ZK4354076	ZK4356076
4"	101.8	54	35	Rd 130 x 1/4"	0,170	ZK4354101	ZK4356101

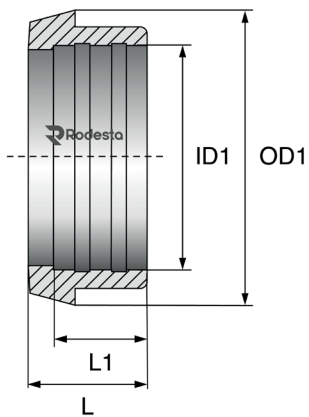


DIN | Expanding liner D | ZK-440



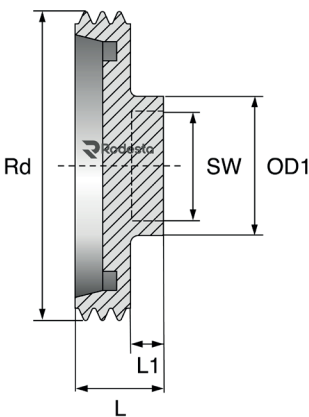
DN	OD1	ID1	L	L1	Kg	304L	316L
DN 10	22.5	12.2	17	12	0,020	ZK4404012	ZK4406012
DN 15	28.5	18.2	17	12	0,020	ZK4404018	ZK4406018
DN 20	36.5	22.2	18	12	0,040	ZK4404022	ZK4406022
DN 25	44	28.2	22	15	0,060	ZK4404028	ZK4406028
DN 32	50	34.2	25	18	0,080	ZK4404034	ZK4406034
DN 40	56	40.2	26	20	0,090	ZK4404040	ZK4406040
DN 50	68.5	52.2	28	22	0,110	ZK4404052	ZK4406052
DN 65	86	70.3	32	25	0,180	ZK4404070	ZK4406070
DN 80	100	85.3	37	28	0,220	ZK4404085	ZK4406085
DN 100	121	104.3	44	35	0,360	ZK4404104	ZK4406104

INCH | Expanding liner | ZK-445



DN	OD1	ID1	L	L1	Kg	304L	316L
1"	44	25.6	22	15	0,040	ZK4454025	ZK4456025
1-1/2"	56	38.3	26	20	0,070	ZK4454038	ZK4456038
2"	68.5	51	28	22	0,100	ZK4454050	ZK4456050
2-1/2"	86	63.7	32	25	0,122	ZK4454063	ZK4456063
3" (DN 75)	93	76.4	32	28	0,140	ZK4454076	ZK4456076
4"	121	101.8	44	35	0,170	ZK4454101	ZK4456101

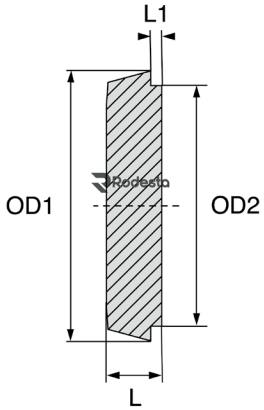
DIN - INCH - ISO | Male part blank | ZK-450



DN	OD1	L	L1	SW	Rd	Kg	304L	316L
DN 10	22	21	9	17	Rd 28 x 1/8"	0,060	ZK4504010	ZK4506010
DN 15	22	21	9	17	Rd 34 x 1/8"	0,090	ZK4504015	ZK4506015
DN 20	22	24	10	17	Rd 44 x 1/6"	0,130	ZK4504020	ZK4506020
DN 25	40	24	10	27	Rd 52 x 1/6"	0,190	ZK4504025	ZK4506025
DN 32	40	24	10	27	Rd 58 x 1/6"	0,220	ZK4504032	ZK4506032
DN 40	40	24	10	27	Rd 65 x 1/6"	0,250	ZK4504040	ZK4506040
DN 50	40	24	10	27	Rd 78 x 1/6"	0,350	ZK4504050	ZK4506050
DN 65	48	28	12	32	Rd 95 x 1/6"	0,640	ZK4504065	ZK4506065
DN 75	48	28	12	32	Rd 104 x 1/6"	0,640	ZK4504075	ZK4506075
DN 80	48	30	10	32	Rd 110 x 1/4"	1,300	ZK4504080	ZK4506080
DN 100	48	30	10	32	Rd 130 x 1/4"	2,100	ZK4504100	ZK4506100

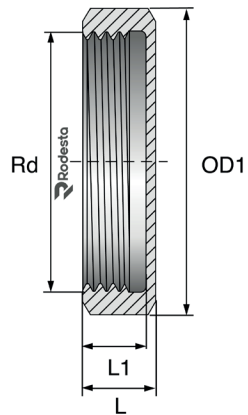


ZK-455 | **Liner blank** | DIN - INCH - ISO



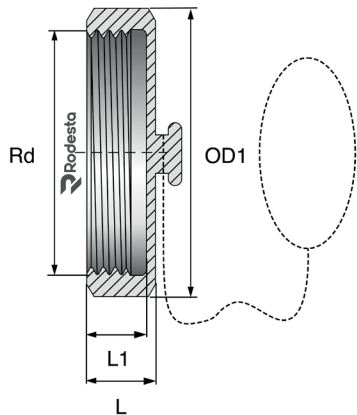
DN	OD1	OD2	L	L1	Kg	304L	316L
DN 10	22.5	18	9	3	0,020	ZK4554010	ZK4556010
DN 15	28.5	24	9	3	0,040	ZK4554015	ZK4556015
DN 20	36.5	30	11	3	0,070	ZK4554020	ZK4556020
DN 25	44	35	13	3	0,130	ZK4554025	ZK4556025
DN 32	50	41	13	3	0,170	ZK4554032	ZK4556032
DN 40	56	48	13	3	0,220	ZK4554040	ZK4556040
DN 50	68.5	61	14	3	0,350	ZK4554050	ZK4556050
DN 65	86	79	16	4	0,670	ZK4554065	ZK4556065
DN 75	93		16	4	0,810	ZK4554075	ZK4556075
DN 80	100	93	16	4	0,920	ZK4554080	ZK4556080
DN 100	121	114	20	5	1,340	ZK4554100	ZK4556100
DN 125	150	137	22	5	1,680	ZK4554125	ZK4556125
DN 150	176	163	24	6	4,300	ZK4554150	ZK4556150
DN 200	226		26	6	7,800	ZK4554200	ZK4556200

ZK-460 | **Blind nut** | DIN - INCH - ISO



DN	OD1	L	L1	Rd	Kg	304L	316L
DN 10	38	18	15	Rd 28 x 1/8"	0,080	ZK4604010	ZK4606010
DN 15	44	18	15	Rd 34 x 1/8"	0,100	ZK4604015	ZK4606010
DN 20	54	20	17	Rd 44 x 1/6"	0,140	ZK4604020	ZK4606010
DN 25	63	21	18	Rd 52 x 1/6"	0,190	ZK4604025	ZK4606010
DN 32	70	21	18	Rd 58 x 1/6"	0,230	ZK4604032	ZK4606010
DN 40	78	21	18	Rd 65 x 1/6"	0,260	ZK4604040	ZK4606010
DN 50	92	22	19	Rd 78 x 1/6"	0,380	ZK4604050	ZK4606010
DN 65	112	25	21	Rd 95 x 1/6"	0,660	ZK4604065	ZK4606010
DN 75	120	26	21	Rd 104 x 1/6"	0,690	ZK4604075	ZK4606010
DN 80	127	29	25	Rd 110 x 1/4"	1,000	ZK4604080	ZK4606010
DN 100	148	31	26	Rd 130 x 1/4"	1,400	ZK4604100	ZK4606010
DN 125	178	35	30	Rd 160 x 1/4"	1,970	ZK4604125	ZK4606010
DN 150	210	40	34	Rd 190 x 1/4"	2,870	ZK4604150	ZK4606010
DN 200	260	44	38	Rd 240 x 1/4"	5,240	ZK4604200	ZK4606010

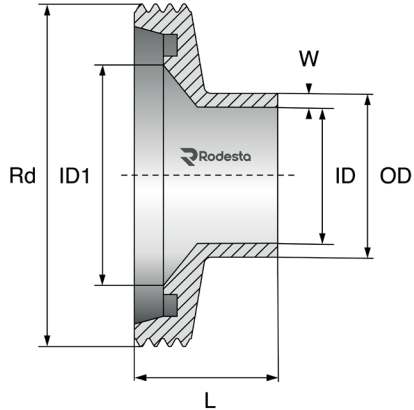
ZK-465 | **Blind nut with boss and chain** | DIN - INCH - ISO



DN	OD1	L	L1	Rd	Kg	304L	316L
DN 10	38	18	15	Rd 28 x 1/8"	0,120	ZK4654010	ZK4656010
DN 15	44	18	15	Rd 34 x 1/8"	0,150	ZK4654015	ZK4656015
DN 20	54	20	17	Rd 44 x 1/6"	0,190	ZK4654020	ZK4656020
DN 25	63	21	18	Rd 52 x 1/6"	0,250	ZK4654025	ZK4656025
DN 32	70	21	18	Rd 58 x 1/6"	0,290	ZK4654032	ZK4656032
DN 40	78	21	18	Rd 65 x 1/6"	0,330	ZK4654040	ZK4656040
DN 50	92	22	19	Rd 78 x 1/6"	0,460	ZK4654050	ZK4656050
DN 65	112	25	21	Rd 95 x 1/6"	0,850	ZK4654065	ZK4656065
DN 75	120	26	21	Rd 104 x 1/6"	0,900	ZK4654075	ZK4656075
DN 80	127	29	25	Rd 110 x 1/4"	1,110	ZK4654080	ZK4656080
DN 100	148	31	26	Rd 130 x 1/4"	1,530	ZK4654100	ZK4656100
DN 125	178	35	30	Rd 160 x 1/4"	2,120	ZK4654125	ZK4656125
DN 150	210	40	34	Rd 190 x 1/4"	3,050	ZK4654150	ZK4656150

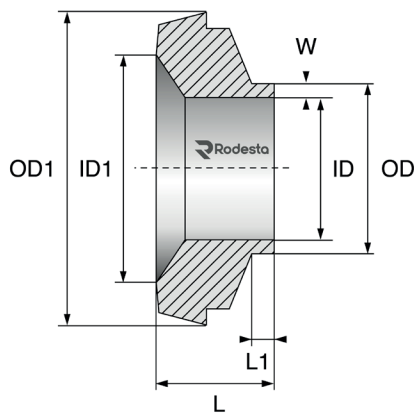


DIN | **Reducing male** | ZK-470



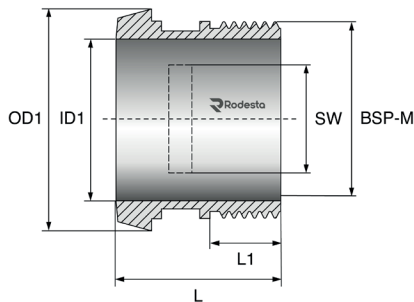
DN	OD	ID	ID1	W	L	Rd	Kg	304L	316L
DN 20-15	21	16	26	1.5	24	Rd 44 x 1/6"	0,092		ZK4706020019
DN 25-15	19	16	26	1.5	26	Rd 52 x 1/6"	0,125	ZK4704025019	ZK4706025019
DN 25-20	21	20	26	1.5	29	Rd 52 x 1/6"	0,130		ZK4706025023
DN 32-20	23	20	32	1.5	27	Rd 58 x 1/6"	0,145	ZK4704032023	ZK4706032023
DN 32-25	29	26	32	1.5	27	Rd 58 x 1/6"	0,290	ZK4704032029	ZK4706032029
DN 40-25	29	26	38	1.5	28	Rd 65 x 1/6"	0,320	ZK4704040029	ZK4706040029
DN 40-32	35	32	38	1.5	29	Rd 65 x 1/6"	0,370	ZK4704040035	ZK4706040035
DN 50-25	31	26	50	1.5	26	Rd 78 x 1/6"	0,260		ZK4706050029
DN 50-32	35	32	50	1.5	29	Rd 78 x 1/6"	0,450	ZK4704050035	ZK4706050035
DN 50-40	41	38	50	1.5	35	Rd 78 x 1/6"	0,510	ZK4704050041	ZK4706050041
DN 65-40	41	38	66	1.5	39	Rd 95 x 1/6"	0,620	ZK4704065041	ZK4706065041
DN 65-50	53	50	66	1.5	40	Rd 95 x 1/6"	0,700	ZK4704065053	ZK4706065053
DN 80-50	53	50	81	1.5	45	Rd 110 x 1/4"	0,870	ZK4704080053	ZK4706080053
DN 80-65	70	66	81	2	46	Rd 110 x 1/4"	1,070	ZK4704080070	ZK4706080070
DN 100-65	70	66	100	2	49	Rd 130 x 1/4"	1,390	ZK4704100070	ZK4706100070
DN 100-80	85	81	100	2	49	Rd 130 x 1/4"	1,450	ZK4704100085	ZK4706100085

DIN | **Reducing liner** | ZK-475



DN	OD	OD1	ID	ID1	W	L	Kg	304L	316L
DN 20-15	19	44	16	20	1.5	22	0,110		ZK4756020019
DN 25-15	19	44	16	26	1.5	22	0,110	ZK4754025019	ZK4756025019
DN 25-20	23	50	20	26	1.5	24	0,120		ZK4756025023
DN 32-20	23	50	20	32	1.5	24	0,120		ZK4756032023
DN 32-25	29	56	26	32	1.5	25	0,200	ZK4754032029	ZK4756032029
DN 40-25	29	56	26	38	1.5	20	0,170	ZK4754040029	ZK4756040029
DN 40-32	35	56	32	38	1.5	23	0,170	ZK4754040035	ZK4756040035
DN 50-25	29	68	26	50	1.5	26	0,330		ZK4756050029
DN 50-32	35	68.5	32	50	1.5	23	0,290	ZK4754050035	ZK4756050035
DN 50-40	41	68.5	38	50	1.5	26	0,270	ZK4754050041	ZK4756050041
DN 65-40	41	86	38	66	1.5	26	0,540	ZK4754065041	ZK4756065041
DN 65-50	53	86	50	66	1.5	27	0,450	ZK4754065053	ZK4756065053
DN 80-50	53	100	50	81	1.5	30	0,660	ZK4754080053	ZK4756080053
DN 80-65	70	100	66	81	2	31	0,500	ZK4754080070	ZK4756080070
DN 100-65	70	121	66	100	2	40	1,170	ZK4754100070	ZK4756100070
DN 100-80	85	121	81	100	2	42	1,060	ZK4754100085	ZK4756100085

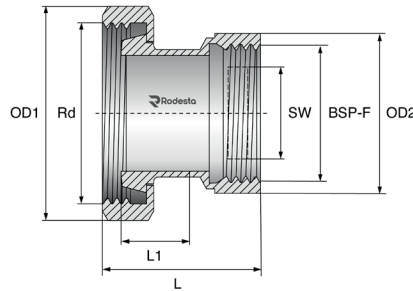
DIN | **Liner adapter with BSP-M** | ZK-480



DN	OD1	ID1	L	L1	SW	BSP-M	Kg	304L	316L
DN 10	22.5	10	38	14	14	3/8"	0,030	ZK4804010	ZK4806010
DN 15	28.5	16	38	14	19	1/2"	0,050	ZK4804015	ZK4806015
DN 20	36.5	20	40	14	27	3/4"	0,090	ZK4804020	ZK4806020
DN 25	44	26	50	20	30	1"	0,140	ZK4804025	ZK4806025
DN 32	50	32	50	20	36	1-1/4"	0,240	ZK4804032	ZK4806032
DN 40	56	38	50	20	44	1-1/2"	0,270	ZK4804040	ZK4806040
DN 50	68.5	50	50	20	55	2"	0,350	ZK4804050	ZK4806050
DN 65	86	66	55	22	75	2-1/2"	0,530	ZK4804065	ZK4806065
DN 75	100	81	60	25	88	3"	0,670	ZK4804080	ZK4806080
DN 80	121	100	70	30	110	4"	1,220	ZK4804100	ZK4806100

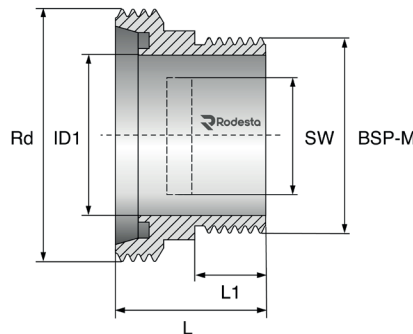


ZK-485 | Liner adapter with BSP-F | DIN



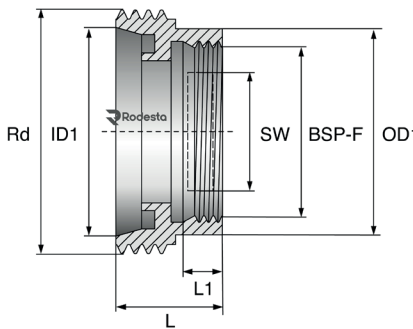
DN	OD1	OD2	L	L1	SW	Rd	BSP-F	Kg	304L	316L
DN 10	22.5	10	39	17	22	Rd 28 x 1/8"	3/8"	0,150	ZK4854010	ZK4856010
DN 15	28.5	16	41	17	24	Rd 34 x 1/8"	1/2"	0,200	ZK4854015	ZK4856015
DN 20	36.5	20	42	18	30	Rd 44 x 1/6"	3/4"	0,290	ZK4854020	ZK4856020
DN 25	44	26	52	22	41	Rd 52 x 1/6"	1"	0,540	ZK4854025	ZK4856025
DN 32	50	32	55	25	46	Rd 58 x 1/6"	1-1/4"	0,560	ZK4854032	ZK4856032
DN 40	56	38	56	26	52	Rd 65 x 1/6"	1-1/2"	0,590	ZK4854040	ZK4856040
DN 50	68.5	50	58	28	65	Rd 78 x 1/6"	2"	0,860	ZK4854050	ZK4856050
DN 65	86	66	64	32	80	Rd 95 x 1/6"	2-1/2"	1,360	ZK4854065	ZK4856065
DN 80	100	81	74	37	95	Rd 110 x 1/4"	3"	1,610	ZK4854080	ZK4856080
DN 100	121	100	89	44	120	Rd 130 x 1/4"	4"	2,340	ZK4854100	ZK4856100

ZK-490 | Male adapter with BSP-M | DIN



DN	ID1	L	L1	SW	Rd	BSP-M	Kg	304L	316L
DN 10	10	40	14	17	Rd 28 x 1/8"	3/8"	0,060	ZK4904010	ZK4906010
DN 15	16	40	14	24	Rd 34 x 1/8"	1/2"	0,080	ZK4904015	ZK4906015
DN 20	20	42	14	30	Rd 44 x 1/6"	3/4"	0,140	ZK4904020	ZK4906020
DN 25	26	48	20	41	Rd 52 x 1/6"	1"	0,280	ZK4904025	ZK4906025
DN 32	32	48	20	46	Rd 58 x 1/6"	1-1/4"	0,350	ZK4904032	ZK4906032
DN 40	38	50	20	50	Rd 65 x 1/6"	1-1/2"	0,400	ZK4904040	ZK4906040
DN 50	50	52	20	65	Rd 78 x 1/6"	2"	0,530	ZK4904050	ZK4906050
DN 65	66	56	22	80	Rd 95 x 1/6"	2-1/2"	0,720	ZK4904065	ZK4906065
DN 80	81	66	25	95	Rd 110 x 1/4"	3"	1,010	ZK4904080	ZK4906080
DN 100	100	72	30	117	Rd 130 x 1/4"	4"	1,540	ZK4904100	ZK4906100

ZK-495 | Male adapter with BSP-F | DIN

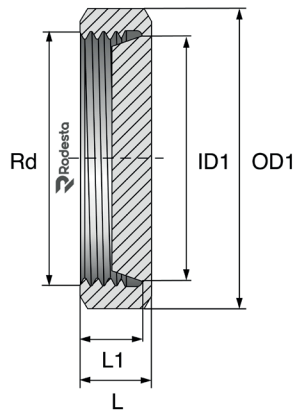


DN	ID1	L	L1	SW	Rd	BSP-F	Kg	304L	316L
DN 10	10	30	14	22	Rd 28 x 1/8"	3/8"	0,060	ZK4954010	ZK4956010
DN 15	16	30	14	24	Rd 34 x 1/8"	1/2"	0,070	ZK4954015	ZK4956015
DN 20	20	30	14	30	Rd 44 x 1/6"	3/4"	0,110	ZK4954020	ZK4956020
DN 25	26	35	20	41	Rd 52 x 1/6"	1"	0,220	ZK4954025	ZK4956025
DN 32	32	35	20	46	Rd 58 x 1/6"	1-1/4"	0,230	ZK4954032	ZK4956032
DN 40	38	35	20	55	Rd 65 x 1/6"	1-1/2"	0,240	ZK4954040	ZK4956040
DN 50	50	35	20	65	Rd 78 x 1/6"	2"	0,370	ZK4954050	ZK4956050
DN 65	66	38	22	80	Rd 95 x 1/6"	2-1/2"	0,540	ZK4954065	ZK4956065
DN 80	81	43	25	95	Rd 110 x 1/4"	3"	0,720	ZK4954080	ZK4956080
DN 100	100	50	30	117	Rd 130 x 1/4"	4"	0,910	ZK4954100	ZK4956100



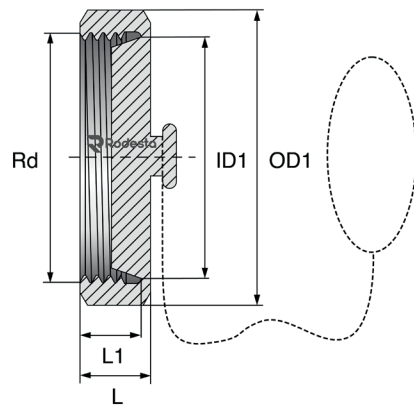
DIN - INCH - ISO | Blind nut with blank liner | ZK-500

DN	ID1	L	L1	Rd	BSP-F	Kg	304L	316L
DN 10	38	18	15	Rd 28 x 1/8"	3/8"	0,080	ZK5004010	ZK5006010
DN 15	44	18	15	Rd 34 x 1/8"	1/2"	0,100	ZK5004015	ZK5006015
DN 20	54	20	17	Rd 44 x 1/6"	3/4"	0,140	ZK5004020	ZK5006020
DN 25	63	21	18	Rd 52 x 1/6"	1"	0,190	ZK5004025	ZK5006025
DN 32	70	21	18	Rd 58 x 1/6"	1-1/4"	0,230	ZK5004032	ZK5006032
DN 40	78	21	18	Rd 65 x 1/6"	1-1/2"	0,260	ZK5004040	ZK5006040
DN 50	92	22	19	Rd 78 x 1/6"	2"	0,380	ZK5004050	ZK5006050
DN 65	112	25	21	Rd 95 x 1/6"	2-1/2"	0,660	ZK5004065	ZK5006065
DN 80	127	29	25	Rd 110 x 1/4"	3"	1,000	ZK5004080	ZK5006080
DN 100	121	31	26	Rd 130 x 1/4"	4"	1,400	ZK5004100	ZK5006100



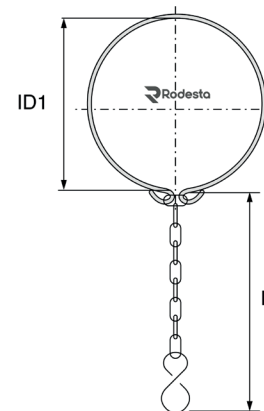
DIN - INCH - ISO | Blind nut with blank liner complete | ZK-505

DN	OD1	ID1	L	L1	Rd	Kg	304L	316L
DN 10	38	22.5	18	15	Rd 28 x 1/8"	0,080	ZK5054010	ZK5056010
DN 15	44	28.5	18	15	Rd 34 x 1/8"	0,100	ZK5054015	ZK5056015
DN 20	54	36.5	20	17	Rd 44 x 1/6"	0,140	ZK5054020	ZK5056020
DN 25	63	44	21	18	Rd 52 x 1/6"	0,190	ZK5054025	ZK5056025
DN 32	70	50	21	18	Rd 58 x 1/6"	0,230	ZK5054032	ZK5056032
DN 40	78	56	21	18	Rd 65 x 1/6"	0,260	ZK5054040	ZK5056040
DN 50	92	68.5	22	19	Rd 78 x 1/6"	0,380	ZK5054050	ZK5056050
DN 65	112	86	25	21	Rd 95 x 1/6"	0,660	ZK5054065	ZK5056065
DN 80	127	100	29	25	Rd 110 x 1/4"	1,000	ZK5054080	ZK5056080
DN 100	148	121	31	26	Rd 130 x 1/4"	1,400	ZK5054100	ZK5056100



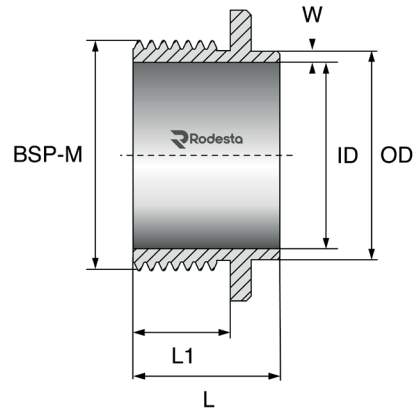
Chain for blind nut | ZK-510

DN	ID1	L	Kg	304L
DN 10	21	200	0,130	ZK5104010
DN 15	28	200	0,013	ZK5104015
DN 20	34	200	0,140	ZK5104020
DN 25	38	200	0,015	ZK5104025
DN 32	45	200	0,015	ZK5104032
DN 40	51	200	0,016	ZK5104040
DN 50	64	200	0,016	ZK5104050
DN 65	82	250	0,019	ZK5104065
DN 80	95	250	0,020	ZK5104080
DN 100	118	250	0,022	ZK5104100
DN 125	168	250	0,016	ZK5104125
DN 150	198	250	0,016	ZK5104150



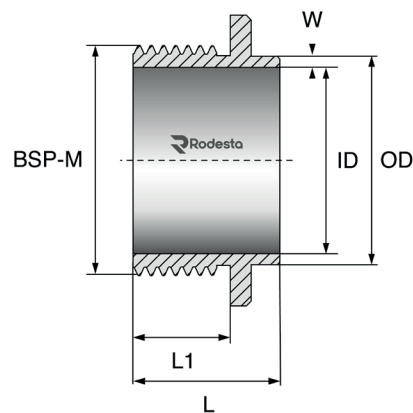


ZK-515 | **Welding nipple** | DIN



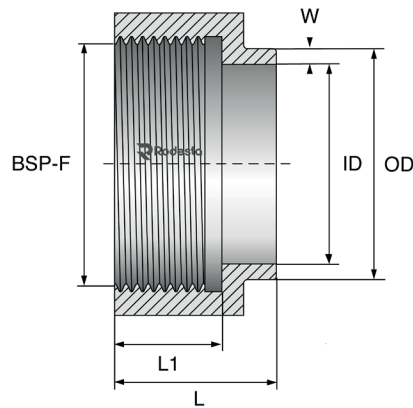
DN	OD	ID	W	L	L1	BSP-M	Kg	316L
DN 10	15	10	2.5	20	12	15x2.5mm	0,010	ZK5156013
DN 15	21	16	2.5	25	15	21x2.5mm	0,020	ZK5156019
DN 20	25	20	2.5	25	15	25x2.5mm	0,030	ZK5156023
DN 25	31	26	2.5	30	20	31x2.5mm	0,050	ZK5156029
DN 32	37	32	2.5	30	20	37x2.5mm	0,130	ZK5156035
DN 40	43	38	2.5	30	20	43x2.5mm	0,140	ZK5156041
DN 50	55	50	2.5	32	22	55x2.5mm	0,160	ZK5156053
DN 65	72	66	3	32	22	72x3mm	0,230	ZK5156070
DN 80	87	81	3	37	25	87x3mm	0,300	ZK5156085
DN 100	106	100	3	45	30	106x3mm	0,610	ZK5156104

ZK-520 | **Welding nipple** | INCH



DN	OD	ID	W	L	L1	Kg	316L
1"	25.4	22.1	1.65	30	20	0,050	ZK5206025
1-1/4"	31.8	28.5	1.65	30	20	0,130	ZK5206031
1-1/2"	38.1	34.8	1.65	30	20	0,140	ZK5206038
2"	50.8	47.5	1.65	32	22	0,160	ZK5206050
2-1/2"	63.5	60.2	1.65	32	22	0,230	ZK5206063
3"	76.2	72.9	1.65	37	25	0,300	ZK5206076
4"	101.6	97.6	2	45	30	0,610	ZK5206101

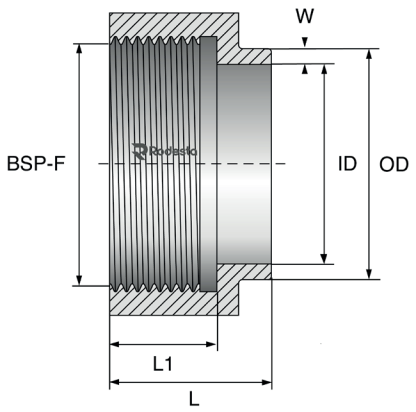
ZK-525 | **Welding socket** | DIN



DN	OD	ID	W	L	L1	Kg	316L
DN 10	15	10	2.5	20	12	0,060	ZK5256013
DN 15	21	16	2.5	25	15	0,090	ZK5256019
DN 20	25	20	2.5	25	15	0,100	ZK5256023
DN 25	31	26	2.5	30	20	0,210	ZK5256029
DN 32	37	32	2.5	30	20	0,230	ZK5256035
DN 40	43	38	2.5	30	20	0,270	ZK5256041
DN 50	55	50	2.5	32	22	0,330	ZK5256053
DN 65	72	66	3	32	22	0,430	ZK5256070
DN 80	87	81	3	37	25	0,500	ZK5256085
DN 100	106	100	3	45	30	0,650	ZK5256104



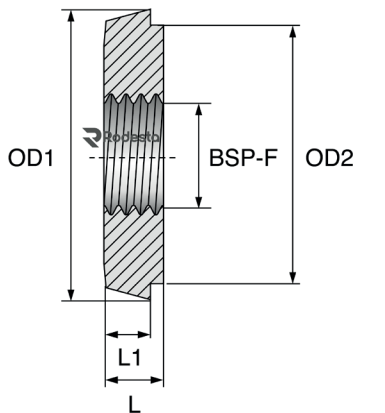
INCH | **Welding socket** | ZK-530



DN	OD	ID	W	L	L1	Kg	316L
1"	25.4	22.1	1.65	30	20	0,210	ZK5306025
1-1/4"	31.8	28.5	1.65	30	20	0,230	ZK5306031
1-1/2"	38.1	34.8	1.65	30	20	0,270	ZK5306038
2"	50.8	47.5	1.65	32	22	0,330	ZK5306050
2-1/2"	63.5	60.2	1.65	32	22	0,430	ZK5306063
3"	76.2	72.9	1.65	37	25	0,500	ZK5306076
4"	101.6	97.6	2	45	30	0,650	ZK5306101

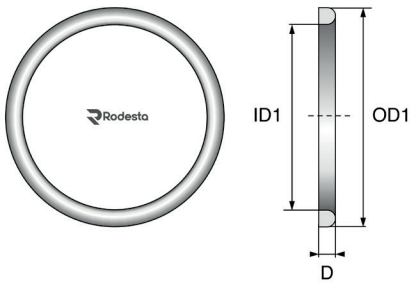
DIN - INCH - ISO | **Liner blank with BSP-F** | ZK-535

DN	OD1	OD2	L	L1	BSP-F	Kg	316L
DN 10	22.5	18	9	3	1/8"	0,020	ZK5356010
DN 15	28.5	24	9	3	1/4"	0,040	ZK5356015
DN 20	36.5	30	11	3	3/8"	0,070	ZK5356020
DN 25	44	35.4	13	3	1/2"	0,130	ZK5356025
DN 32	50	35	13	3	3/4"	0,170	ZK5356032
DN 40	56	48	13	3	1"	0,220	ZK5356040
DN 50	68.5	61	14	3	1-1/2"	0,350	ZK5356050
DN 65	86	79	16	4	2"	0,670	ZK5356065
DN 80	100	93	16	4	2-1/2"	0,920	ZK5356080
DN 100	121	114	20	5	3"	1,340	ZK5356100



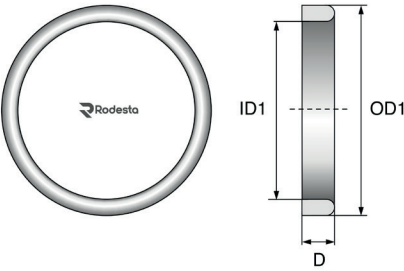
DIN - INCH - ISO | **Seal ring G** | ZK-800

DN	OD1	ID1	D	Kg	EPDM	FKM	NBR	PTFE	Silicone
DN 10 (ISO)	20	12	4.5	0,001	ZK80002010	ZK80004010	ZK80001010	ZK80005010	ZK80003010
DN 15 (ISO)	26	18	4.5	0,002	ZK80002015	ZK80004015	ZK80001015	ZK80005015	ZK80003015
DN 20 (ISO)	33	23	4.5	0,003	ZK80002020	ZK80004020	ZK80001020	ZK80005020	ZK80003020
DN 25 (ISO) (1")	40	30	5	0,003	ZK80002025	ZK80004025	ZK80001025	ZK80005025	ZK80003025
DN 32 (ISO) (1-1/4")	46	36	5	0,004	ZK80002032	ZK80004032	ZK80001032	ZK80005032	ZK80003032
DN 40 (ISO) (1-1/2")	52	42	5	0,004	ZK80002040	ZK80004040	ZK80001040	ZK80005040	ZK80003040
DN 50 (ISO) (2")	64	54	5	0,005	ZK80002050	ZK80004050	ZK80001050	ZK80005050	ZK80003050
DN 65 (ISO) (2-1/2")	81	71	5	0,006	ZK80002065	ZK80004065	ZK80001065	ZK80005065	ZK80003065
DN 75	88	78	5	0,008	ZK80002075	ZK80004075	ZK80001075	ZK80005075	ZK80003075
DN 80 (ISO) (3")	95	85	5	0,008	ZK80002080	ZK80004080	ZK80001080	ZK80005080	ZK80003080
DN 90	104	94	5	0,010	ZK80002090	ZK80004090	ZK80001090	ZK80005090	ZK80003090
DN 100 (ISO) (4")	114	104	6	0,012	ZK80002100	ZK80004100	ZK80001100	ZK80005100	ZK80003100
DN 125 (ISO)	142	130	7	0,018	ZK80002125	ZK80004125	ZK80001125	ZK80005125	ZK80003125
DN 150 (ISO)	167	155	7	0,023	ZK80002150	ZK80004150	ZK80001150	ZK80005150	ZK80003150
DN 200	216	204	7	0,036	ZK80002200	ZK80004200	ZK80001200	ZK80005200	ZK80003200



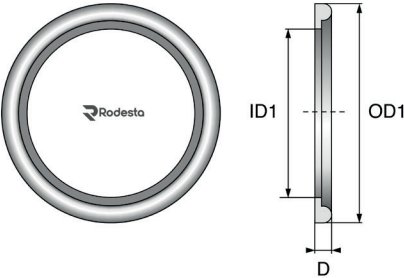


ZK-805 | Seal ring high | DIN - INCH - ISO



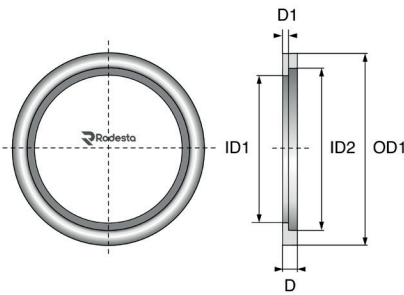
DN	OD	ID	W	L	L1	Kg	316L
1"	25.4	22.1	1.65	30	20	0,050	ZK5206025
1-1/4"	31.8	28.5	1.65	30	20	0,130	ZK5206031
1-1/2"	38.1	34.8	1.65	30	20	0,140	ZK5206038
2"	50.8	47.5	1.65	32	22	0,160	ZK5206050
2-1/2"	63.5	60.2	1.65	32	22	0,230	ZK5206063
3"	76.2	72.9	1.65	37	25	0,300	ZK5206076
4"	101.6	97.6	2	45	30	0,610	ZK5206101

ZK-810 | Seal ring with lip | DIN - INCH - ISO



DN	OD1	ID1	D	Kg	EPDM	FKM	NBR	PTFE	Silicone
DN 10	20	12	5	0,001	ZK81002010	ZK81004010	ZK81001010	ZK81005010	ZK81003010
DN 15	26	18	5	0,001	ZK81002015	ZK81004015	ZK81001015	ZK81005015	ZK81003015
DN 20	33	23	5	0,002	ZK81002020	ZK81004020	ZK81001020	ZK81005020	ZK81003020
DN 25	40	30	6	0,004	ZK81002025	ZK81004025	ZK81001025	ZK81005025	ZK81003025
DN 32	46	36	6	0,004	ZK81002032	ZK81004032	ZK81001032	ZK81005032	ZK81003032
DN 40	52	42	6	0,005	ZK81002040	ZK81004040	ZK81001040	ZK81005040	ZK81003040
DN 50	64	54	6	0,007	ZK81002050	ZK81004050	ZK81001050	ZK81005050	ZK81003050
DN 65	81	71	6	0,010	ZK81002065	ZK81004065	ZK81001065	ZK81005065	ZK81003065
DN 75	87	77	6	0,001	ZK81002075	ZK81004075	ZK81001075	ZK81005075	ZK81003075
DN 80	95	85	6	0,011	ZK81002080	ZK81004080	ZK81001080	ZK81005080	ZK81003080
DN 100	114	104	6	0,013	ZK81002100	ZK81004100	ZK81001100	ZK81005100	ZK81003100
DN 125	142	130	7	0,025	ZK81002125	ZK81004125	ZK81001125	ZK81005125	ZK81003125
DN 150	167	155	7	0,030	ZK81002150	ZK81004150	ZK81001150	ZK81005150	ZK81003150

ZK-815 | Seal ring aseptic | DIN - INCH - ISO

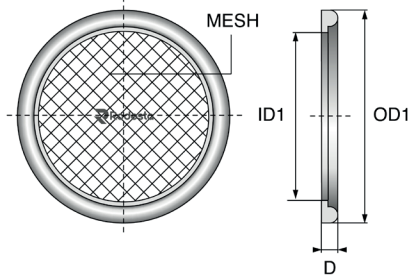


DN	OD1	ID1	ID2	D	Kg	EPDM
DN 10	20	10	12	5	0,001	ZK81502010
DN 15	26	16,5	18	5	0,002	ZK81502015
DN 20	33	20	23	5	0,003	ZK81502020
DN 25	40	27	30	6	0,003	ZK81502025
DN 32	46	33	36	6	0,004	ZK81502032
DN 40	52	39	42	6	0,004	ZK81502040
DN 50	64	51	54	6	0,005	ZK81502050
DN 65	81	67	71	6	0,006	ZK81502065
DN 80	95	82	85	6	0,008	ZK81502080
DN 90	104	90	94	6	0,010	ZK81502090
DN 100	114	101,5	104	6	0,012	ZK81502100
DN 125	142	125	130	7	0,018	ZK81502125
DN 150	167		152	7	0,023	ZK81502150



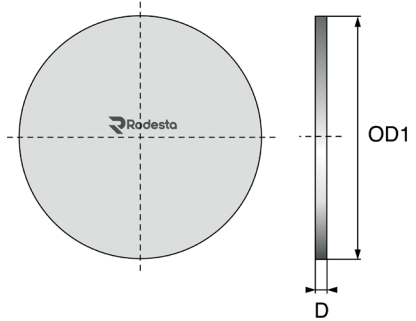
DIN - INCH - ISO | Screen Gasket | ZK-820

DN	OD1	ID1	D	Kg	EPDM
DN 10	20	10.5	5	0,002	ZK82002010010
DN 15	26	16.5	5	0,003	ZK82002015010
DN 20	33	20.5	5	0,004	ZK82002020010
DN 25	40	26.5	6	0,003	ZK82002025010
DN 25	40	26.5	6	0,006	ZK82002025020
DN 25	40	26.5	6	0,005	ZK82002025040
DN 25	40	26.5	6	0,005	ZK82002025060
DN 25	40	26.5	6	0,005	ZK82002025100
DN 32	46	32.5	6	0,006	ZK82002032010
DN 32	46	32.5	6	0,006	ZK82002032020
DN 32	46	32.5	6	0,006	ZK82002032040
DN 32	46	32.5	6	0,006	ZK82002032060
DN 32	46	32.5	6	0,006	ZK82002032100
DN 40	52	38.5	6	0,009	ZK82002040010
DN 40	52	38.5	6	0,008	ZK82002040020
DN 40	52	38.5	6	0,008	ZK82002040040
DN 40	52	38,5	7	0,007	ZK82002040100
DN 40	52	38,5	6	0,006	ZK82002040150
DN 40	52	38,5	6	0,007	ZK82002040200
DN 50	64	50,5	6	0,011	ZK82002050010
DN 50	64	50,5	6	0,011	ZK82002050016
DN 50	64	50,5	6	0,012	ZK82002050020
DN 50	64	50,5	6	0,010	ZK82002050060
DN 50	64	50,5	6	0,009	ZK82002050100
DN 65	81	66,5	6	0,017	ZK82002065010
DN 65	81	66,5	6	0,013	ZK82002065100



DIN - INCH - ISO | Seal disc | ZK-850

DN	OD1	D	Kg	EPDM	FKM	NBR	PTFE	Silicone
DN 10	28	3	0,002	ZK85002010	ZK85004010	ZK85001010	ZK85005010	ZK85003010
DN 15	34	3	0,003	ZK85002015	ZK85004015	ZK85001015	ZK85005015	ZK85003015
DN 20	44	3	0,006	ZK85002020	ZK85004020	ZK85001020	ZK85005020	ZK85003020
DN 25	52	3	0,010	ZK85002025	ZK85004025	ZK85001025	ZK85005025	ZK85003025
DN 32	58	3	0,011	ZK85002032	ZK85004032	ZK85001032	ZK85005032	ZK85003032
DN 40	65	3	0,016	ZK85002040	ZK85004040	ZK85001040	ZK85005040	ZK85003040
DN 50	78	3	0,021	ZK85002050	ZK85004050	ZK85001050	ZK85005050	ZK85003050
DN 65	95	3	0,030	ZK85002065	ZK85004065	ZK85001065	ZK85005065	ZK85003065
DN 75	104	3	0,035	ZK85002075	ZK85004075	ZK85001075	ZK85005075	ZK85003075
DN 80	110	3	0,050	ZK85002080	ZK85004080	ZK85001080	ZK85005080	ZK85003080
DN 100	130	3	0,080	ZK85002100	ZK85004100	ZK85001100	ZK85005100	ZK85003100
DN 125	160	4	0,125	ZK85002125	ZK85004125	ZK85001125	ZK85005125	ZK85003125
DN 150	190	4	0,145	ZK85002150	ZK85004150	ZK85001150	ZK85005150	ZK85003150
DN 200	240	4	0,180	ZK85002200	ZK85004200	ZK85001200	ZK85005200	ZK85003200





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