

Food



# Rodesta

Stainless steel & Hoses

DIN 11853

Hygienic couplings  
for safe and reliable  
process connections.



Your partner in Pharma, Food & Industrial products.

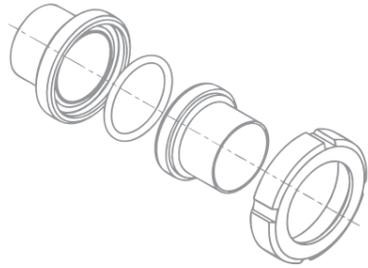
[rodesta.com](http://rodesta.com)

DIN 11853



**Stainless steel components for  
hygienic applications in the  
food and chemical industries.**

Version 1.4



## DIN 11853-1 Hygienic stainless steel unions (V) for food and chemical industries

Rodesta offers a wide range of DIN 11853-1 unions (V) for hygienic applications in the food and chemical industries. This enables Rodesta to meet customer requirements quickly and efficiently. The unions are machined from forged stainless steel AISI 316L (1.4404) with a surface roughness of  $Ra \leq 0.8 \mu\text{m}$  inside and  $Ra \leq 1.0 \mu\text{m}$  outside, ensuring optimal hygiene and facilitating easy cleaning.

### What is DIN 11853-1?

DIN 11853-1 defines hygienic stainless steel unions (V) with round thread connections. They are designed for processes that demand high hygienic performance and reliable cleanability. These unions are widely used in food, beverage and chemical industries.

The design is completely dead space free: the O-ring (R) is located outside the product area, effectively preventing contamination and build-up. Unions are easy to assemble and disassemble, making them highly suitable for systems with frequent CIP/SIP cleaning and inspections.

### Advantages of a DIN 11853-1 union (V)

- ✓ Hygienic design without dead spaces
- ✓ Easy to assemble and disassemble
- ✓ Excellent cleanability (CIP/SIP compatible)
- ✓ Durable forged AISI 316L components
- ✓ Widely used in hygienic applications
- ✓ Reliable sealing with O-ring (R)



### 1 Union (V)

A DIN 11853-1 union (V) is composed of four elements: male (GS), liner (BS), nut (F), and O-ring (R). Together, these parts create a hygienic and leak-proof connection. The smooth, dead space free design minimizes product deposits, supports efficient cleaning, and allows reliable maintenance. This construction ensures durability and consistent performance in demanding hygienic applications.



### 2 Male (GS)

The male (GS) has a welding end and a threaded section that connects securely with the nut (F). Its geometry ensures precise alignment with the liner (BS), where the O-ring (R) forms the hygienic seal. Because the sealing area is positioned outside the product zone, the design is free of dead spaces and fully hygienic. The rounded thread profile, made according to DIN 405-1, provides durability and stability, ensuring a robust fit under repeated hygienic operating conditions.



### 4 Nut (F)

The nut connects the liner (BS) to the male (GS). Its round threads, manufactured according to DIN 405-1, guarantee accurate and reliable tightening. This ensures stability of the connection under operating conditions. Assembly and disassembly are quick and efficient, minimizing downtime. If required, a coupling wrench can be applied to achieve additional torque, ensuring secure fastening in demanding hygienic systems.



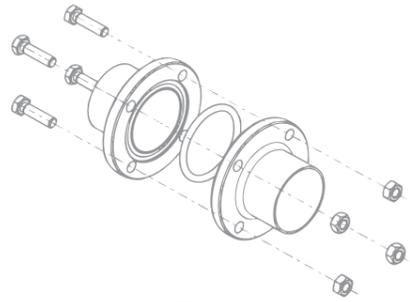
### 3 Liner (BS)

The liner (BS) has a welding end and a liner end that fits precisely into the male (GS). The O-ring (R) in the liner groove compresses against the male (GS) to ensure a reliable, leak-proof seal. Once assembled, the nut (F) clamps the connection securely. Polished surfaces minimize product deposits and bacterial growth, making the liner ideal for hygienic processes requiring cleanliness, safety, and reliability.



### 5 O-ring (R)

The O-ring (R) is the essential sealing element of the DIN 11853-1 union (V). It is positioned in the groove of the liner (BS), ensuring a reliable, leak-proof seal while preventing dead zones. Thanks to its position outside the product area, cleaning and sterilization are optimized. O-rings (R) are available in HNBR, EPDM, FKM and PTFE, ensuring compatibility with various chemical, thermal, and hygienic process requirements.



## DIN 11853-2 Hygienic stainless steel flange connections (F) for food and chemical industries

Rodesta offers a wide range of DIN 11853-2 flange connections (F) for hygienic applications in the food and chemical industries. With high availability and short delivery times, Rodesta meets customer requirements efficiently. The connections are manufactured from forged stainless steel AISI 316L (1.4404) with a surface roughness of  $Ra \leq 0.8 \mu\text{m}$  inside and  $Ra \leq 1.0 \mu\text{m}$  outside, ensuring optimal cleanability and reliable hygienic performance.

### What is DIN 11853-2?

DIN 11853-2 defines hygienic stainless steel flange connections (F). These flange connections are designed for processes that require safe, hygienic performance and reliable cleanability. They are widely used in food, beverage, and chemical industries.

DIN 11853-2 connections feature a dead space free and fully smooth design. The O-ring (R) is positioned outside the product area, minimizing contamination and product build-up. The connections are easy to assemble and disassemble, making them ideal for systems with frequent CIP/SIP cleaning and maintenance.

### Advantages of a DIN 11853-2 flange connection (F)

- ✓ Hygienic design without dead spaces
- ✓ Easy to assemble and disassemble
- ✓ Excellent cleanability (CIP/SIP compatible)
- ✓ Durable forged AISI 316L components
- ✓ Widely used in food and chemical processes
- ✓ Reliable sealing with O-ring (R)



### 1 Flange connection (F)

A complete DIN 11853-2 flange connection (F) consists of liner flange (BF), nut flange (NF), O-ring (R), and a bolt set. These components together ensure a hygienic and leak-proof connection. The smooth, dead space free design prevents product build-up and contamination. This ensures reliable performance, excellent cleanability, and longterm durability in hygienic food and chemical process applications.



### 2 Nut flange (NF)

The nut flange (NF) that fits into the liner flange (BF), forms a secure closure together. It enables a strong and leak-proof connection under hygienic conditions. Assembly is quick, reliable, and repeatable, allowing frequent cleaning. Together with O-ring (R) and bolt set, the nut flange guarantees robust performance. Its smooth finish reduces deposits and ensures compliance with hygienic food and chemical standards.



### 4 Bolt set

The bolt set provides the necessary clamping force for the DIN 11853-2 flange connection. It ensures secure tightening between liner flange (BF) and nut flange (NF). Available in different sizes and materials, bolt sets are adapted to various flange dimensions. They guarantee durability and precision, supporting a leak-proof and hygienic connection that meets strict requirements in food and chemical industries.



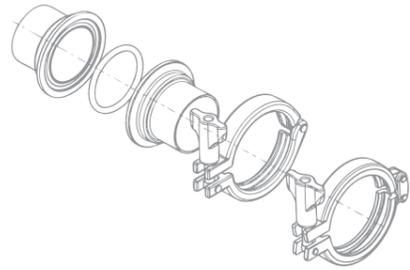
### 3 Liner flange (BF)

The liner flange (BF) consists of a welding end and a precisely machined flange face. During assembly, both flanges NF and BF are joined and tightened by bolts and nuts, while the O-ring (R) provides a reliable, leak-proof seal. The smooth surface finish minimizes product deposits and bacterial growth, ensuring hygienic performance and reliability in demanding food and chemical processes with strict requirements.



### 5 O-ring (R)

The O-ring (R) is the sealing element in the DIN 11853-2 flange connection. Positioned in the groove between liner flange (BF) and nut flange (NF), it provides a leak-proof and hygienic seal. Because it is located outside the product area, dead zones are avoided. O-rings are available in HNBR, EPDM, FKM and PTFE, ensuring compatibility with a wide variety of hygienic chemical and food processes.



## DIN 11853-3 Hygienic stainless steel clamp connections (K) for food and chemical industries

Rodesta offers a wide range of DIN 11853-3 clamp connections (K) for hygienic applications in the food and chemical industries. With high availability and short delivery times, Rodesta flexibly meets customer requirements. The connections are manufactured from forged stainless steel AISI 316L (1.4404) with a surface roughness of  $Ra \leq 0.8 \mu\text{m}$  inside and  $Ra \leq 1.0 \mu\text{m}$  outside, ensuring optimal cleanability and reliable hygienic performance.

### What is DIN 11853-3?

DIN 11853-3 defines hygienic stainless steel clamp connections (K). These clamp connections are designed for processes that require hygienic performance and reliable cleanability. They are widely used in food, beverage, and chemical industries.

DIN 11853-3 connections feature a dead space free and fully smooth design. The O-ring (R) is positioned outside the product area, minimizing contamination and product build-up. The connections are easy to assemble and disassemble, making them ideal for systems with frequent CIP/SIP cleaning and maintenance.

### Advantages of a DIN 11853-3 clamp connection (K)

- ✓ Hygienic design without dead spaces
- ✓ Easy to assemble and disassemble
- ✓ Excellent cleanability (CIP/SIP compatible)
- ✓ Durable forged AISI 316L components
- ✓ Widely used in food and chemical processes
- ✓ Reliable sealing with O-ring (R)



### 1 Clamp connection (K)

A complete DIN 11853-3 clamp connection (K) consists of liner clamp (BKS), clamp nut (NKS), O-ring (R), and a clamp. Together, these elements form a hygienic, leak-proof, robust connection. The smooth, dead space free design prevents deposits, improves cleaning efficiency, and guarantees reliable hygienic performance. This design ensures durability and compliance with hygienic requirements in the food and chemical industries.



### 2 Nut clamp (NKS)

The nut clamp (NKS) forms one half of the hygienic connection together with the liner clamp (BKS). Both parts are pressed together by the clamp, which applies the tightening force, while the O-ring (R) in the nut clamp ensures a reliable, leak-proof seal. The smooth design allows frequent assembly and cleaning, guaranteeing durability and hygienic performance in demanding food and chemical processes with regular CIP/SIP cleaning.



### 3 Liner clamp (BKS)

The liner clamp (BKS) provides reliable closure together with the nut clamp (NKS). It forms a strong, leak-proof, and repeatable connection that can be opened frequently for inspection and cleaning. The clamp applies the tightening force, while the O-ring (R) provides the hygienic seal. This design ensures robust performance and hygienic durability in demanding food and chemical environments with frequent CIP/SIP cleaning.



Double & single pin

### 4 Heavy duty clamp

The heavy duty clamp secures the DIN 11853-3 clamp connection (K). Its hinged design allows quick, tool-free assembly and disassembly, making it ideal for processes that require frequent cleaning or component replacement. The clamp ensures consistent sealing pressure and reliable hygienic integrity. It is available in a single-pin version or a double-pin version for additional strength and improved durability.



### 5 O-ring (R)

The O-ring (R) functions as the essential sealing element of the DIN 11853-3 clamp connection (K). Located in the groove between the liner clamp (BKS) and the nut clamp (NKS), it provides a leak-proof, hygienic seal. Positioned outside the product area, it prevents dead zones and contamination. O-rings (R) are available in HNBR, EPDM, FKM and PTFE, ensuring compatibility with various food and chemical process requirements.

# DIN 11853

## 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 11853 components for tubes with dimensions according to DIN 11866 (Serie A, B, C) and EN 10357 (serie A)

DIN/EN DIN 11866 & EN 10357 - Serie A	ISO DIN 11866 - Serie B	INCH DIN 11866 - Serie C
DN 10 - 13x1.5 mm	DN 10 ISO - 17.2x1.6 mm	(½") 12.7x1.65 mm
DN 15 - 19x1.5 mm	DN 15 ISO - 21.3x1.6 mm	(¾") 19.05x1.65 mm
DN 20 - 23x1.5 mm	DN 20 ISO - 26.9x1.6 mm	(1") 25.4x1.65 mm
DN 25 - 29x1.5 mm	DN 25 ISO - 33.7x2.0 mm	(1½") 38.1x1.65 mm
DN 32 - 35x1.5 mm	DN 32 ISO - 42.4x2.0 mm	(2") 50.8x1.65 mm
DN 40 - 41x1.5 mm	DN 40 ISO - 48.3x2.0 mm	(2½") 63.5x1.65 mm
DN 50 - 53x1.5 mm	DN 50 ISO - 60.3x2.0 mm	(3") 76.2x1.65 mm
DN 65 - 70x2.0 mm	DN 65 ISO - 76.1x2.0 mm	(4") 101.6x2.11 mm
DN 80 - 85x2.0 mm	DN 80 ISO - 88.9x2.3 mm	
DN 100 - 104x2.0 mm	DN 100 ISO - 114.3x2.3 mm	
DN 125 - 129x2.0 mm		
DN 150 - 154x2.0 mm		

### Pressure ratings

DIN 11853-1 Unions, DIN 11853-2 Flange & DIN 11853-3 Clamp Connections

DIN 11853-1 & -3 Connections				DIN 11853-2 Flange Connections			
DIN	ISO	INCH	Pressure	DIN	ISO	INCH	Pressure
DN 10-40	ISO 10-40	1"-1½"	up to 40 bar	DN 10-40	ISO 10-40	1"-1½"	up to 25 bar
DN 50-100	ISO 50-100	2"-4"	up to 25 bar	DN 50-100	ISO 32-100	2"-4"	up to 16 bar
DN 125-150	ISO 125-150	-	up to 16 bar	DN 125-150	ISO 125-150	-	up to 10 bar

\* These pressures may only be applied when using suitable sealing materials up to a temperature of 140°C maximum.

### 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
1.4404	316L	X2CrNiMo 17-12-2	<0.03	< 1.0	< 2.0	16.5-18.5	2.0-2.5	10.0-13.0	-
1.4432	316L	X2CrNiMo 17-12-3	< 0.03	< 1.0	< 2.0	16.5-18.5	2.5-3.0	10.5-13.0	-

### Materials

All components listed in this catalog are manufactured from high-quality materials 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.

### Sealing materials for DIN 11853 couplings

HNBR:	Hydrogenated nitrile butadiene rubber
EPDM:	Ethylene propylene diene monomer rubber
FKM:	Fluoroelastomer / Fluorocarbon rubber
PTFE:	Polytetrafluoroethylene

### The benefits of DIN 405/1 round threads

DIN 11853-1 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 abbreviation standard

In all technical cross-section drawings for DIN 11853, 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

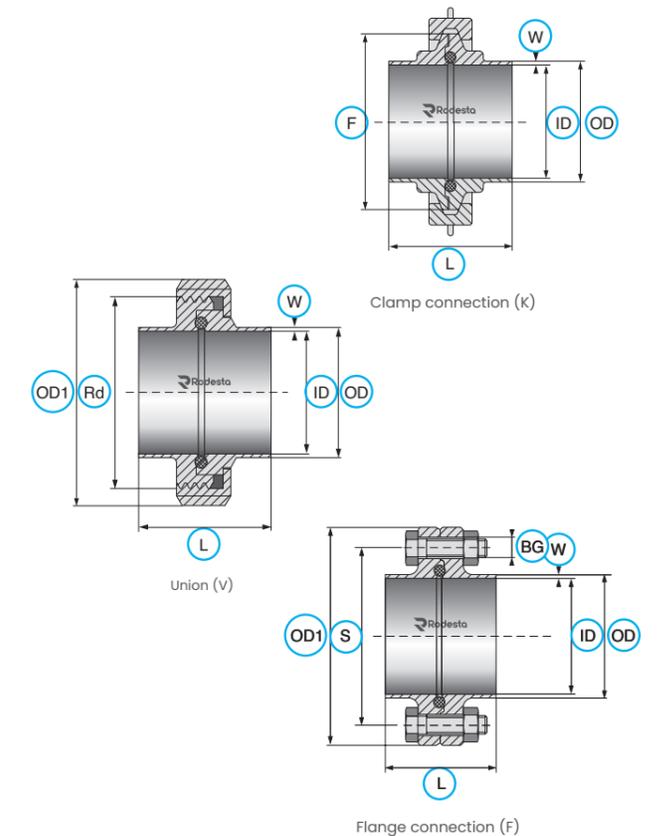
W	Wall thickness
L	Installation length
L1,2,3 etc.	Other lengths

### Diameter and connections

D	Seal ring thickness
ID	Inside diameter
ID1,2,3 Ø etc.	Additional inside diameter
OD	Outside diameter
OD1,2,3 Ø etc.	Additional outside diameter
F	Flange size

### Thread & couplings

Rd	Round thread according to DIN 405/1
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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.

# Gaskets (General information)

## Operating temperature ranges and material properties



This information applies to all hygienic gasket types across various connection standards, including DIN 11851, DIN 11853, DIN 11864, tri-clamp, SMS, IDF, RJT and camlock systems. The specified temperature ranges for elastomers and plastics such as NBR, HNBR, EPDM, VMQ, FKM, PTFE, PEEK and TFM are general guidelines applicable to all common hygienic gasket systems. Actual performance may vary depending on the specific compound formulation, raw material blend, additives and manufacturing process. Environmental conditions such as pressure, chemical exposure, mechanical stress and prolonged temperature load can further influence the effective operating limits of a gasket.

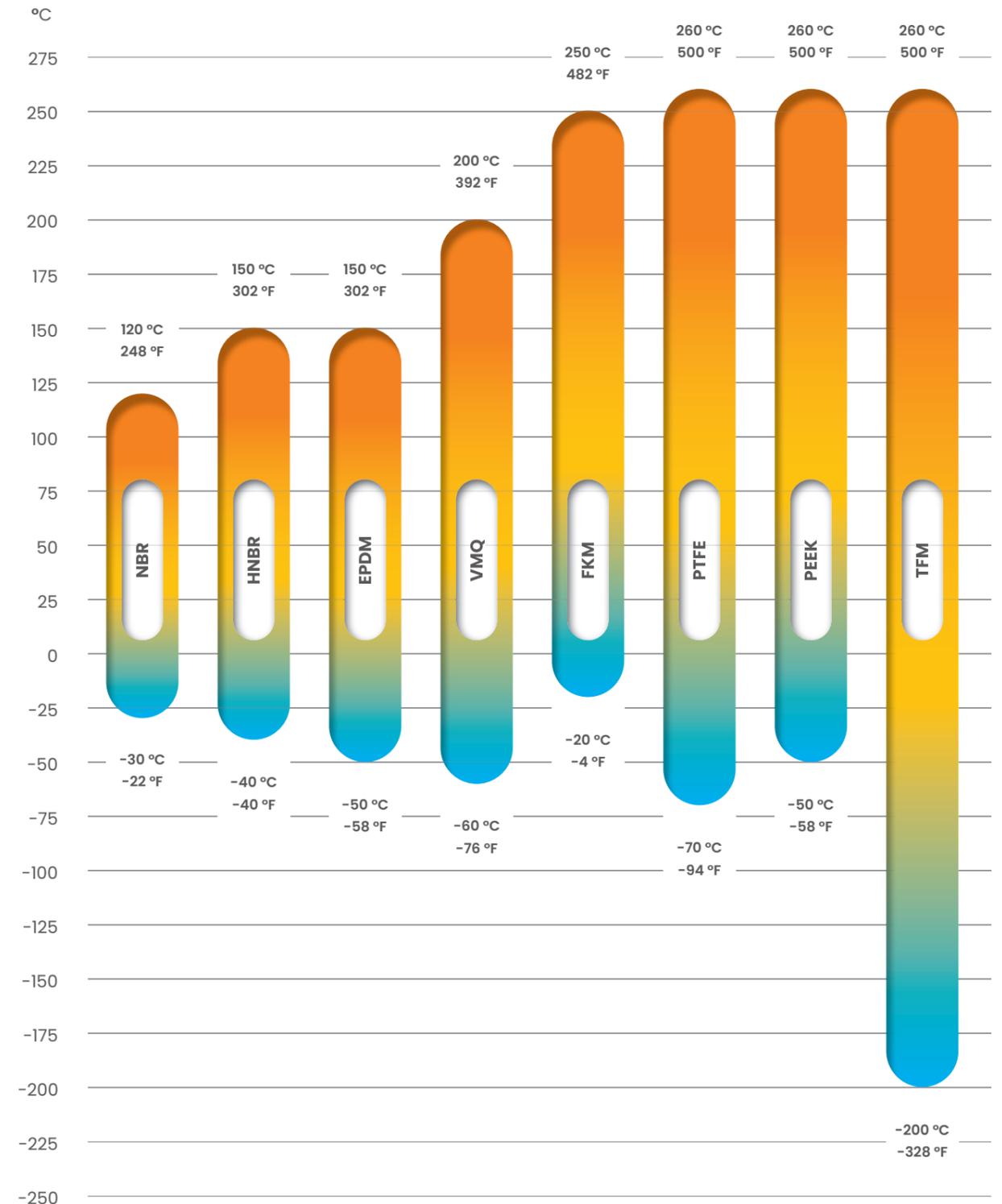
### Material comparison – temperature and properties\*

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

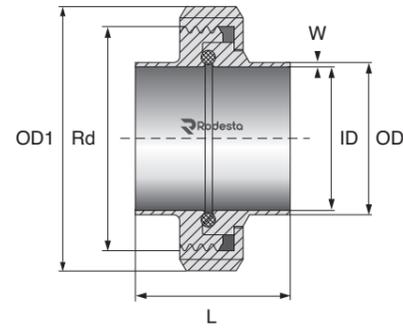


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AK3-155	Clamp connection K   DIN - HNBR		AK3-330	Flange connection F   INCH - FKM	
AK3-155	Clamp connection K   DIN - PTFE	<b>18</b>	AK3-330	Flange connection F   INCH - HNBR	
AK3-160	Nut clamp NKS   DIN		AK3-330	Flange connection F   INCH - PTFE	<b>28</b>
AK3-165	Liner clamp BKS   DIN		AK3-335	Nut flange NF   DIN	
AK3-205	Union V   ISO - EPDM	<b>19</b>	AK3-340	Liner flange BF   DIN	
AK3-205	Union V   ISO - FKM		AK3-355	Clamp connection K   INCH - EPDM	<b>29</b>
AK3-205	Union V   ISO - HNBR		AK3-355	Clamp connection K   INCH - FKM	
AK3-205	Union V   ISO - PTFE	<b>20</b>	AK3-355	Clamp connection K   INCH - HNBR	
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AK3-230	Flange connection F   ISO - EPDM	<b>21</b>	AK3-365	Liner clamp BKS   INCH	
AK3-230	Flange connection F   ISO - FKM		Disclaimer and liability exclusion		<b>31</b>

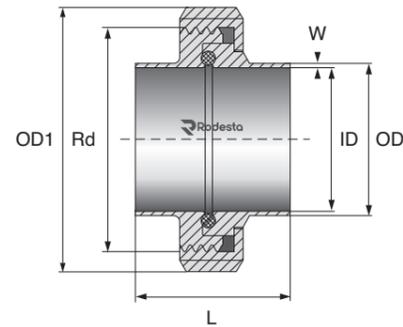


AK3-105 | **Union V** | DIN - EPDM



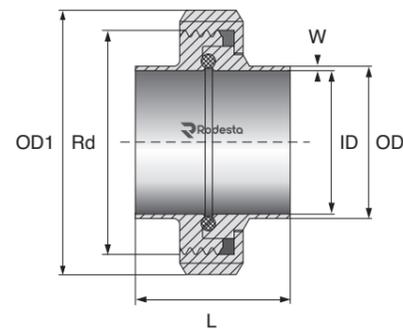
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DN 10	13	38	10	1.5	32	Rd 28x1/8"	0,130	AK31056013E
DN 15	19	44	16	1.5	32	Rd 34x1/8"	0,160	AK31056019E
DN 20	23	54	20	1.5	34	Rd 44x1/6"	0,280	AK31056023E
DN 25	29	63	26	1.5	42	Rd 52x1/6"	0,390	AK31056029E
DN 32	35	70	32	1.5	48	Rd 58x1/6"	0,470	AK31056035E
DN 40	41	78	38	1.5	50	Rd 65x1/6"	0,550	AK31056041E
DN 50	53	92	50	1.5	54	Rd 78x1/6"	0,730	AK31056053E
DN 65	70	112	66	2	62	Rd 95x1/6"	1,180	AK31056070E
DN 80	85	127	81	2	72	Rd 110x1/4"	1,680	AK31056085E
DN 100	104	148	100	2	86	Rd 130x1/4"	2,290	AK31056104E

AK3-105 | **Union V** | DIN - FKM



DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 10	13	38	10	1.5	32	Rd 28x1/8"	0,130	AK31056013F
DN 15	19	44	16	1.5	32	Rd 34x1/8"	0,160	AK31056019F
DN 20	23	54	20	1.5	34	Rd 44x1/6"	0,280	AK31056023F
DN 25	29	63	26	1.5	42	Rd 52x1/6"	0,390	AK31056029F
DN 32	35	70	32	1.5	48	Rd 58x1/6"	0,470	AK31056035F
DN 40	41	78	38	1.5	50	Rd 65x1/6"	0,550	AK31056041F
DN 50	53	92	50	1.5	54	Rd 78x1/6"	0,730	AK31056053F
DN 65	70	112	66	2	62	Rd 95x1/6"	1,180	AK31056070F
DN 80	85	127	81	2	72	Rd 110x1/4"	1,680	AK31056085F
DN 100	104	148	100	2	86	Rd 130x1/4"	2,290	AK31056104F

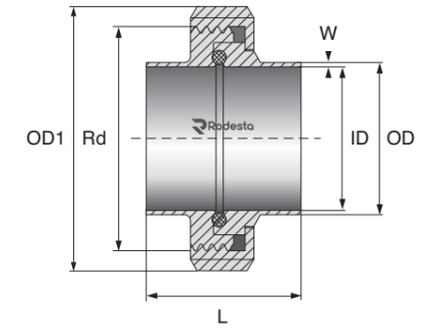
AK3-105 | **Union V** | DIN - HNBR



DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 10	13	38	10	1.5	32	Rd 28x1/8"	0,130	AK31056013H
DN 15	19	44	16	1.5	32	Rd 34x1/8"	0,160	AK31056019H
DN 20	23	54	20	1.5	34	Rd 44x1/6"	0,280	AK31056023H
DN 25	29	63	26	1.5	42	Rd 52x1/6"	0,390	AK31056029H
DN 32	35	70	32	1.5	48	Rd 58x1/6"	0,470	AK31056035H
DN 40	41	78	38	1.5	50	Rd 65x1/6"	0,550	AK31056041H
DN 50	53	92	50	1.5	54	Rd 78x1/6"	0,730	AK31056053H
DN 65	70	112	66	2	62	Rd 95x1/6"	1,180	AK31056070H
DN 80	85	127	81	2	72	Rd 110x1/4"	1,680	AK31056085H
DN 100	104	148	100	2	86	Rd 130x1/4"	2,290	AK31056104H

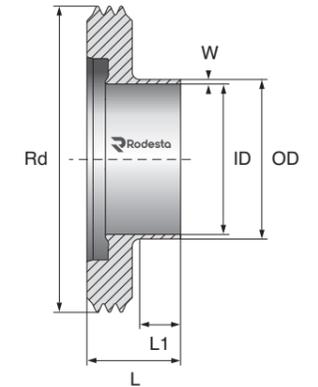


DIN - PTFE | **Union V** | AK3-105



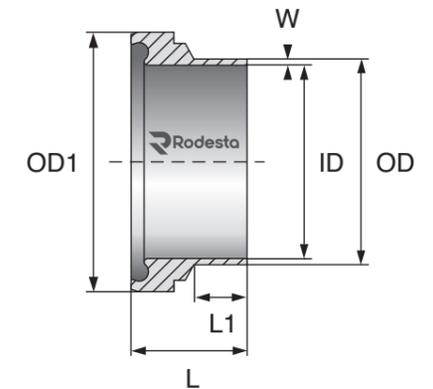
DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 10	13	38	10	1.5	32	Rd 28x1/8"	0,130	AK31056013P
DN 15	19	44	16	1.5	32	Rd 34x1/8"	0,160	AK31056019P
DN 20	23	54	20	1.5	34	Rd 44x1/6"	0,280	AK31056023P
DN 25	29	63	26	1.5	42	Rd 52x1/6"	0,390	AK31056029P
DN 32	35	70	32	1.5	48	Rd 58x1/6"	0,470	AK31056035P
DN 40	41	78	38	1.5	50	Rd 65x1/6"	0,550	AK31056041P
DN 50	53	92	50	1.5	54	Rd 78x1/6"	0,730	AK31056053P
DN 65	70	112	66	2	62	Rd 95x1/6"	1,180	AK31056070P
DN 80	85	127	81	2	72	Rd 110x1/4"	1,680	AK31056085P
DN 100	104	148	100	2	86	Rd 130x1/4"	2,290	AK31056104P

DIN | **Male GS** | AK3-110



DN	OD	ID	W	L	L1	Rd	Kg	316L
DN 10	13	10	1.5	19	5	Rd 28x1/8"	0,040	AK31106013
DN 15	19	16	1.5	19	5	Rd 34x1/8"	0,060	AK31106019
DN 20	23	20	1.5	21	5	Rd 44x1/6"	0,110	AK31106023
DN 25	29	26	1.5	26	10	Rd 52x1/6"	0,140	AK31106029
DN 32	35	32	1.5	30	14	Rd 58x1/6"	0,150	AK31106035
DN 40	41	38	1.5	31	15	Rd 65x1/6"	0,190	AK31106041
DN 50	53	50	1.5	31	15	Rd 78x1/6"	0,250	AK31106053
DN 65	70	66	2	36	16	Rd 95x1/6"	0,370	AK31106070
DN 80	85	81	2	42	18	Rd 110x1/4"	0,580	AK31106085
DN 100	104	100	2	50	20	Rd 130x1/4"	0,710	AK31106104

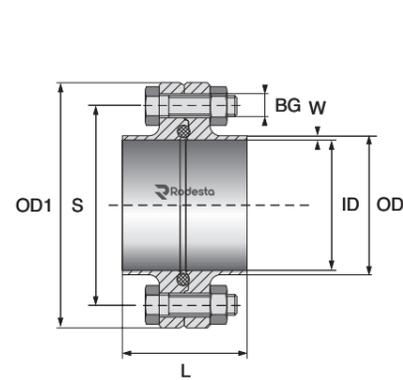
DIN | **Liner BS** | AK3-115



DN	OD	OD1	ID	W	L	L1	Kg	316L
DN 10	13	21.9	10	1.5	17	5	0,020	AK31156013
DN 15	19	27.9	16	1.5	17	5	0,020	AK31156019
DN 20	23	35.9	20	1.5	18	5	0,040	AK31156023
DN 25	29	42.9	26	1.5	22	8	0,070	AK31156029
DN 32	35	48.9	32	1.5	25	10	0,100	AK31156035
DN 40	41	54.9	38	1.5	26	10	0,110	AK31156041
DN 50	53	66.9	50	1.5	30	13	0,160	AK31156053
DN 65	70	84.9	66	2	34	15	0,260	AK31156070
DN 80	85	98.9	81	2	38	15	0,300	AK31156085
DN 100	104	118.9	100	2	46	23	0,500	AK31156104



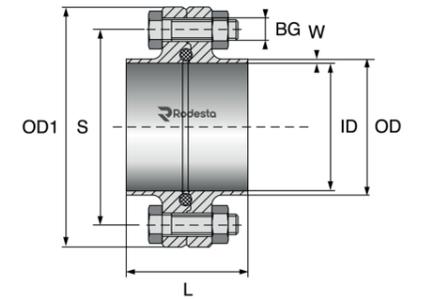
AK3-130 | Flange connection F | DIN - EPDM



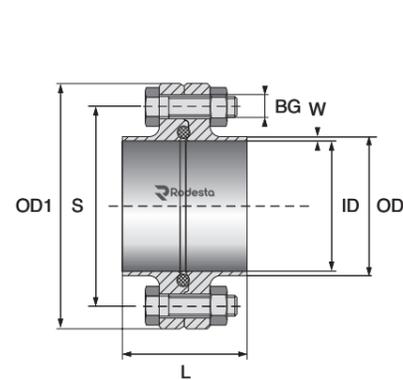
DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 10	13	54	10	1.5	48	37	4/M8 x 30mm	0,310	AK31306013E
DN 15	19	59	16	1.5	48	42	4/M8 x 30mm	0,370	AK31306019E
DN 20	23	64	20	1.5	48	47	4/M8 x 30mm	0,430	AK31306023E
DN 25	29	70	26	1.5	48	53	4/M8 x 30mm	0,500	AK31306029E
DN 32	35	76	32	1.5	48	59	4/M8 x 30mm	0,570	AK31306035E
DN 40	41	82	38	1.5	48	65	4/M8 x 30mm	0,640	AK31306041E
DN 50	53	94	50	1.5	48	77	4/M8 x 30mm	0,780	AK31306053E
DN 65	70	113	66	2	48	95	8/M8 x 30mm	1,030	AK31306070E
DN 80	85	133	81	2	52	112	8/M10 x 35mm	1,590	AK31306085E
DN 100	104	159	100	2	52	137	8/M10 x 40mm	2,560	AK31306104E
DN 125	129	183	125	2	56	161	8/M10 x 40mm	3,060	AK31306129E
DN 150	154	213	150	2	56	188	8/M12 x 50mm	4,340	AK31306154E

DIN - PTFE | Flange connection F | AK3-130

DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 10	13	54	10	1.5	48	37	4/M8 x 30mm	0,310	AK31306013P
DN 15	19	59	16	1.5	48	42	4/M8 x 30mm	0,370	AK31306019P
DN 20	23	64	20	1.5	48	47	4/M8 x 30mm	0,430	AK31306023P
DN 25	29	70	26	1.5	48	53	4/M8 x 30mm	0,500	AK31306029P
DN 32	35	76	32	1.5	48	59	4/M8 x 30mm	0,570	AK31306035P
DN 40	41	82	38	1.5	48	65	4/M8 x 30mm	0,640	AK31306041P
DN 50	53	94	50	1.5	48	77	4/M8 x 30mm	0,780	AK31306053P
DN 65	70	113	66	2	48	95	8/M8 x 30mm	1,030	AK31306070P
DN 80	85	133	81	2	52	112	8/M10 x 35mm	1,590	AK31306085P
DN 100	104	159	100	2	52	137	8/M10 x 40mm	2,560	AK31306104P
DN 125	129	183	125	2	56	161	8/M10 x 40mm	3,060	AK31306129P
DN 150	154	213	150	2	56	188	8/M12 x 50mm	4,340	AK31306154P



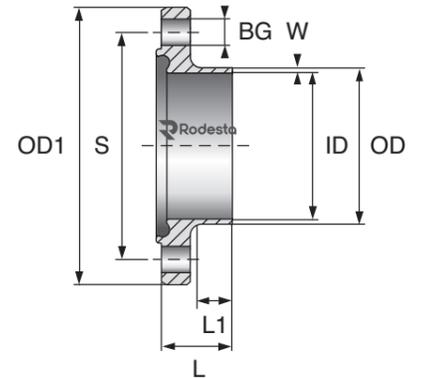
AK3-130 | Flange connection F | DIN - FKM



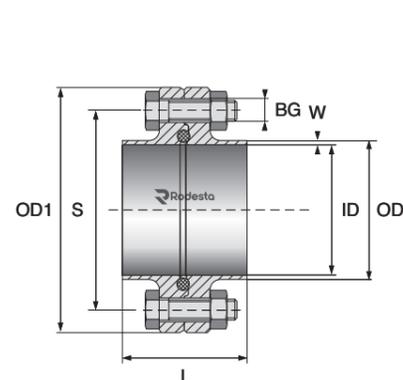
DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 10	13	54	10	1.5	48	37	4/M8 x 30mm	0,310	AK31306013F
DN 15	19	59	16	1.5	48	42	4/M8 x 30mm	0,370	AK31306019F
DN 20	23	64	20	1.5	48	47	4/M8 x 30mm	0,430	AK31306023F
DN 25	29	70	26	1.5	48	53	4/M8 x 30mm	0,500	AK31306029F
DN 32	35	76	32	1.5	48	59	4/M8 x 30mm	0,570	AK31306035F
DN 40	41	82	38	1.5	48	65	4/M8 x 30mm	0,640	AK31306041F
DN 50	53	94	50	1.5	48	77	4/M8 x 30mm	0,780	AK31306053F
DN 65	70	113	66	2	48	95	8/M8 x 30mm	1,030	AK31306070F
DN 80	85	133	81	2	52	112	8/M10 x 35mm	1,590	AK31306085F
DN 100	104	159	100	2	52	137	8/M10 x 40mm	2,560	AK31306104F
DN 125	129	183	125	2	56	161	8/M10 x 40mm	3,060	AK31306129F
DN 150	154	213	150	2	56	188	8/M12 x 50mm	4,340	AK31306154F

DIN | Nut flange NF | AK3-135

DN	OD	OD1	ID	W	L	LI	S	BG	Kg	316L
DN 10	13	54	10	1.5	25.5	10	37	4 x 9mm	0,160	AK31356013
DN 15	19	59	16	1.5	25.5	10	42	4 x 9mm	0,190	AK31356019
DN 20	23	64	20	1.5	25.5	10	47	4 x 9mm	0,220	AK31356023
DN 25	29	70	26	1.5	25.5	10	53	4 x 9mm	0,250	AK31356029
DN 32	35	76	32	1.5	25.5	10	59	4 x 9mm	0,290	AK31356035
DN 40	41	82	38	1.5	25.5	10	65	4 x 9mm	0,330	AK31356041
DN 50	53	94	50	1.5	25.5	10	77	4 x 9mm	0,400	AK31356053
DN 65	70	113	66	2	25.5	10	95	8 x 9mm	0,530	AK31356070
DN 80	85	133	81	2	27.5	10	112	8 x 11mm	0,810	AK31356085
DN 100	104	159	100	2	27.5	10	137	8 x 11mm	1,300	AK31356104
DN 125	129	183	125	2	29.5	10	161	8 x 11mm	1,550	AK31356129
DN 150	154	213	150	2	29.5	8	188	8 x 14mm	2,200	AK31356154



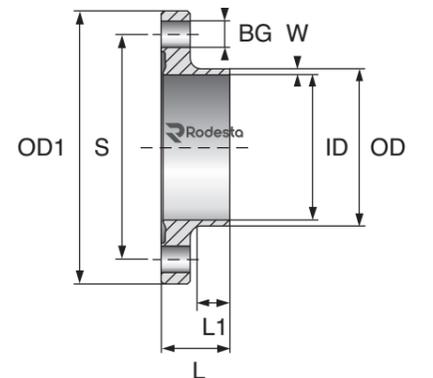
AK3-130 | Flange connection F | DIN - HNBR



DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 10	13	54	10	1.5	48	37	4/M8 x 30mm	0,310	AK31306013H
DN 15	19	59	16	1.5	48	42	4/M8 x 30mm	0,370	AK31306019H
DN 20	23	64	20	1.5	48	47	4/M8 x 30mm	0,430	AK31306023H
DN 25	29	70	26	1.5	48	53	4/M8 x 30mm	0,500	AK31306029H
DN 32	35	76	32	1.5	48	59	4/M8 x 30mm	0,570	AK31306035H
DN 40	41	82	38	1.5	48	65	4/M8 x 30mm	0,640	AK31306041H
DN 50	53	94	50	1.5	48	77	4/M8 x 30mm	0,780	AK31306053H
DN 65	70	113	66	2	48	95	8/M8 x 30mm	1,030	AK31306070H
DN 80	85	133	81	2	52	112	8/M10 x 35mm	1,590	AK31306085H
DN 100	104	159	100	2	52	137	8/M10 x 40mm	2,560	AK31306104H
DN 125	129	183	125	2	56	161	8/M10 x 40mm	3,060	AK31306129H
DN 150	154	213	150	2	56	188	8/M12 x 50mm	4,340	AK31306154H

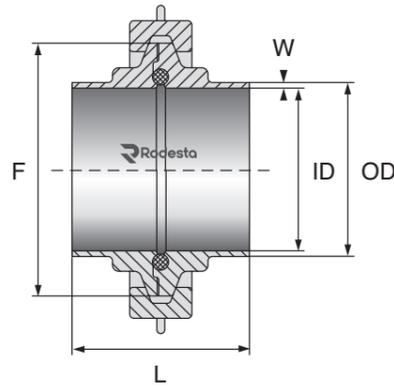
DIN | Liner flange BF | AK3-140

DN	OD	OD1	ID	W	L	LI	S	BG	Kg	316L
DN 10	13	54	10	1.5	24	10	37	4 x 9mm	0,160	AK31406013
DN 15	19	59	16	1.5	24	10	42	4 x 9mm	0,180	AK31406019
DN 20	23	64	20	1.5	24	10	47	4 x 9mm	0,210	AK31406023
DN 25	29	70	26	1.5	24	10	53	4 x 9mm	0,250	AK31406029
DN 32	35	76	32	1.5	24	10	59	4 x 9mm	0,280	AK31406035
DN 40	41	82	38	1.5	24	10	65	4 x 9mm	0,310	AK31406041
DN 50	53	94	50	1.5	24	10	77	4 x 9mm	0,380	AK31406053
DN 65	70	113	66	2	24	10	95	8 x 9mm	0,500	AK31406070
DN 80	85	133	81	2	26	10	112	8 x 11mm	0,780	AK31406085
DN 100	104	159	100	2	26	10	137	8 x 11mm	1,260	AK31406104
DN 125	129	183	125	2	28	10	161	8 x 11mm	1,500	AK31406129
DN 150	154	213	150	2	28	8	188	8 x 14mm	2,140	AK31406154





AK3-155 | **Clamp connection K** | DIN - EPDM

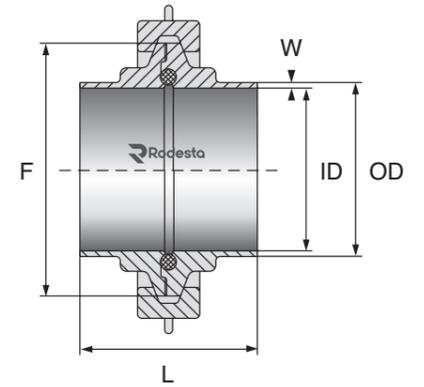


DN	OD	ID	W	L	F	Kg	316L
DN 10	13	10	1.5	44	34	0,170	AK31556013E
DN 15	19	16	1.5	44	34	0,160	AK31556019E
DN 20	23	20	1.5	44	50.5	0,450	AK31556023E
DN 25	29	26	1.5	44	50.5	0,450	AK31556029E
DN 32	35	32	1.5	48	50.5	0,430	AK31556035E
DN 40	41	38	1.5	48	64	0,540	AK31556041E
DN 50	53	50	1.5	49	77.5	0,710	AK31556053E
DN 65	70	66	2	53	91	0,880	AK31556070E
DN 80	85	81	2	57	106	1,040	AK31556085E
DN 100	104	100	2	60	130	1,110	AK31556104E

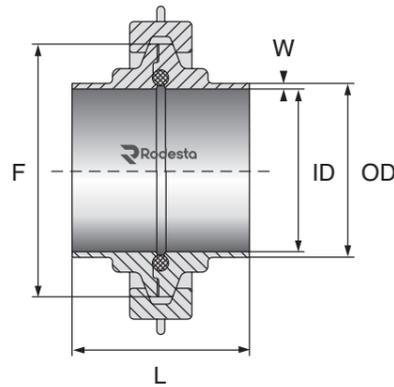
DIN - PTFE | **Clamp connection K** | AK3-155



DN	OD	ID	W	L	F	Kg	316L
DN 10	13	10	1.5	44	34	0,170	AK31556013P
DN 15	19	16	1.5	44	34	0,160	AK31556019P
DN 20	23	20	1.5	44	50.5	0,450	AK31556023P
DN 25	29	26	1.5	44	50.5	0,450	AK31556029P
DN 32	35	32	1.5	48	50.5	0,430	AK31556035P
DN 40	41	38	1.5	48	64	0,540	AK31556041P
DN 50	53	50	1.5	49	77.5	0,710	AK31556053P
DN 65	70	66	2	53	91	0,880	AK31556070P
DN 80	85	81	2	57	106	1,040	AK31556085P
DN 100	104	100	2	60	130	1,110	AK31556104P



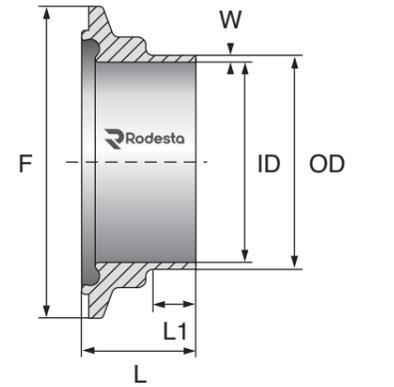
AK3-155 | **Clamp connection K** | DIN - FKM



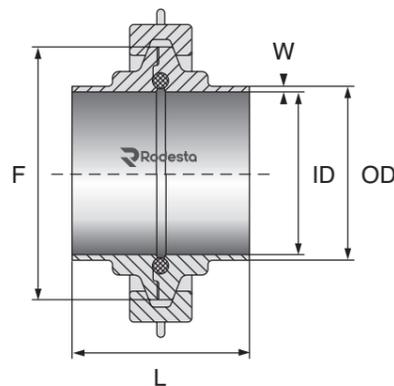
DN	OD	ID	W	L	F	Kg	316L
DN 10	13	10	1.5	44	34	0,170	AK31556013F
DN 15	19	16	1.5	44	34	0,160	AK31556019F
DN 20	23	20	1.5	44	50.5	0,450	AK31556023F
DN 25	29	26	1.5	44	50.5	0,450	AK31556029F
DN 32	35	32	1.5	48	50.5	0,430	AK31556035F
DN 40	41	38	1.5	48	64	0,540	AK31556041F
DN 50	53	50	1.5	49	77.5	0,710	AK31556053F
DN 65	70	66	2	53	91	0,880	AK31556070F
DN 80	85	81	2	57	106	1,040	AK31556085F
DN 100	104	100	2	60	130	1,110	AK31556104F

DIN | **Nut clamp NKS** | AK3-160

DN	OD	ID	W	L	L1	F	Kg	316L
DN 10	13	10	1.5	23.5	10	34	0,040	AK31606013
DN 15	19	16	1.5	23.5	10	34	0,030	AK31606019
DN 20	23	20	1.5	23.5	10	50.5	0,070	AK31606023
DN 25	29	26	1.5	23.5	10	50.5	0,070	AK31606029
DN 32	35	32	1.5	25.5	10	50.5	0,060	AK31606035
DN 40	41	38	1.5	25.5	10	64	0,100	AK31606041
DN 50	53	50	1.5	26	10	77.5	0,140	AK31606053
DN 65	70	66	2	28	10	91	0,170	AK31606070
DN 80	85	81	2	30	10	106	0,210	AK31606085
DN 100	104	100	2	31.5	10	130	0,230	AK31606104



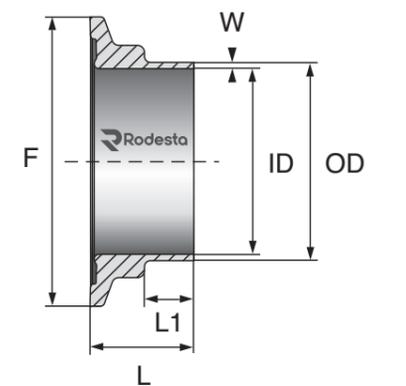
AK3-155 | **Clamp connection K** | DIN - HNBR



DN	OD	ID	W	L	F	Kg	316L
DN 10	13	10	1.5	44	34	0,170	AK31556013H
DN 15	19	16	1.5	44	34	0,160	AK31556019H
DN 20	23	20	1.5	44	50.5	0,450	AK31556023H
DN 25	29	26	1.5	44	50.5	0,450	AK31556029H
DN 32	35	32	1.5	48	50.5	0,430	AK31556035H
DN 40	41	38	1.5	48	64	0,540	AK31556041H
DN 50	53	50	1.5	49	77.5	0,710	AK31556053H
DN 65	70	66	2	53	91	0,880	AK31556070H
DN 80	85	81	2	57	106	1,040	AK31556085H
DN 100	104	100	2	60	130	1,110	AK31556104H

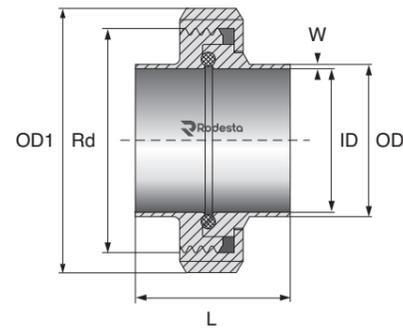
DIN | **Liner clamp BKS** | AK3-165

DN	OD	ID	W	L	L1	F	Kg	316L
DN 10	13	10	1.5	22	10	34	0,030	AK31656013
DN 15	19	16	1.5	22	10	34	0,030	AK31656019
DN 20	23	20	1.5	22	10	50.5	0,070	AK31656023
DN 25	29	26	1.5	22	10	50.5	0,060	AK31656029
DN 32	35	32	1.5	24	10	50.5	0,050	AK31656035
DN 40	41	38	1.5	24	10	64	0,090	AK31656041
DN 50	53	50	1.5	24.5	10	77.5	0,130	AK31656053
DN 65	70	66	2	26.5	10	91	0,180	AK31656070
DN 80	85	81	2	28.5	10	106	0,230	AK31656085
DN 100	104	100	2	30	10	130	0,280	AK31656104



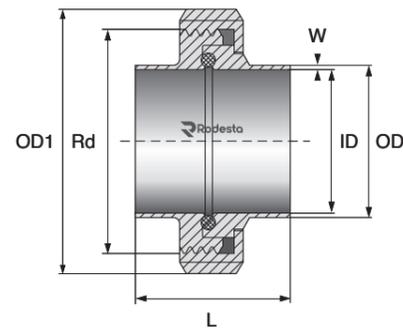


AK3-205 | Union V | ISO - EPDM



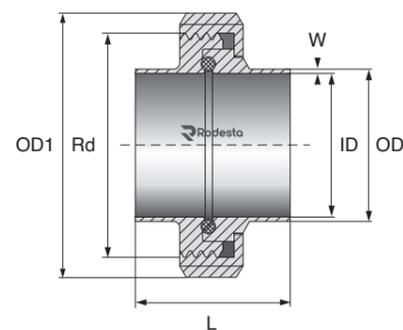
DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 8 ISO	13.5	38	10.3	1.6	32	Rd 28x1/8"	0,130	AK32056013E
DN 10 ISO	17.2	44	14	1.6	32	Rd 34x1/8"	0,160	AK32056017E
DN 15 ISO	21.3	54	18.1	1.6	34	Rd 44x1/6"	0,240	AK32056021E
DN 20 ISO	26.9	63	23.7	1.6	42	Rd 52x1/6"	0,350	AK32056026E
DN 25 ISO	33.7	70	29.7	2	48	Rd 58x1/6"	0,450	AK32056033E
DN 32 ISO	42.4	78	38.4	2	50	Rd 65x1/6"	0,530	AK32056042E
DN 40 ISO	48.3	92	44.3	2	54	Rd 78x1/6"	0,720	AK32056048E
DN 50 ISO	60.3	112	56.3	2	62	Rd 95x1/6"	1,070	AK32056060E
DN 65 ISO	76.1	127	72.1	2	72	Rd 110x1/4"	1,670	AK32056076E
DN 80 ISO	88.9	148	84.3	2.3	86	Rd 130x1/4"	2,400	AK32056088E

AK3-205 | Union V | ISO - FKM



DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 8 ISO	13.5	38	10.3	1.6	32	Rd 28x1/8"	0,130	AK32056013F
DN 10 ISO	17.2	44	14	1.6	32	Rd 34x1/8"	0,160	AK32056017F
DN 15 ISO	21.3	54	18.1	1.6	34	Rd 44x1/6"	0,240	AK32056021F
DN 20 ISO	26.9	63	23.7	1.6	42	Rd 52x1/6"	0,350	AK32056026F
DN 25 ISO	33.7	70	29.7	2	48	Rd 58x1/6"	0,450	AK32056033F
DN 32 ISO	42.4	78	38.4	2	50	Rd 65x1/6"	0,530	AK32056042F
DN 40 ISO	48.3	92	44.3	2	54	Rd 78x1/6"	0,720	AK32056048F
DN 50 ISO	60.3	112	56.3	2	62	Rd 95x1/6"	1,070	AK32056060F
DN 65 ISO	76.1	127	72.1	2	72	Rd 110x1/4"	1,670	AK32056076F
DN 80 ISO	88.9	148	84.3	2.3	86	Rd 130x1/4"	2,400	AK32056088F

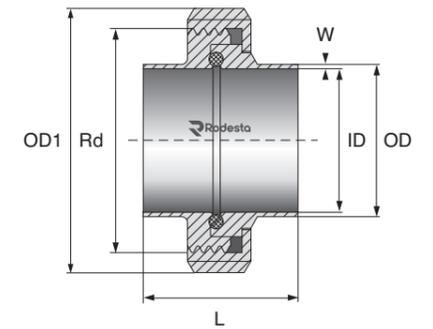
AK3-205 | Union V | ISO - HNBR



DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 8 ISO	13.5	38	10.3	1.6	32	Rd 28x1/8"	0,130	AK32056013H
DN 10 ISO	17.2	44	14	1.6	32	Rd 34x1/8"	0,160	AK32056017H
DN 15 ISO	21.3	54	18.1	1.6	34	Rd 44x1/6"	0,240	AK32056021H
DN 20 ISO	26.9	63	23.7	1.6	42	Rd 52x1/6"	0,350	AK32056026H
DN 25 ISO	33.7	70	29.7	2	48	Rd 58x1/6"	0,450	AK32056033H
DN 32 ISO	42.4	78	38.4	2	50	Rd 65x1/6"	0,530	AK32056042H
DN 40 ISO	48.3	92	44.3	2	54	Rd 78x1/6"	0,720	AK32056048H
DN 50 ISO	60.3	112	56.3	2	62	Rd 95x1/6"	1,070	AK32056060H
DN 65 ISO	76.1	127	72.1	2	72	Rd 110x1/4"	1,670	AK32056076H
DN 80 ISO	88.9	148	84.3	2.3	86	Rd 130x1/4"	2,400	AK32056088H

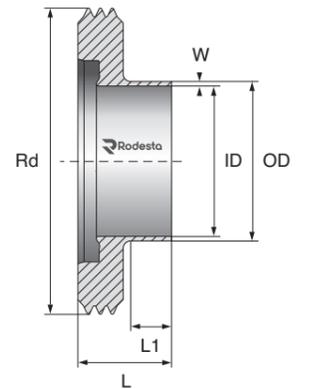


ISO - PTFE | Union V | AK3-205



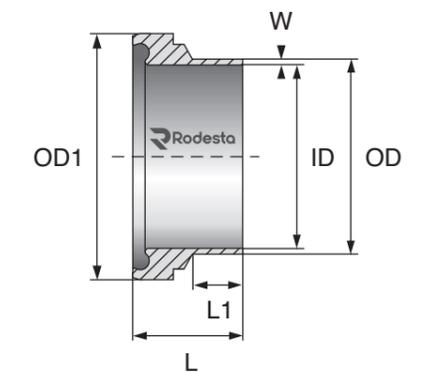
DN	OD	OD1	ID	W	L	Rd	Kg	316L
DN 8 ISO	13.5	38	10.3	1.6	32	Rd 28x1/8"	0,130	AK32056013P
DN 10 ISO	17.2	44	14	1.6	32	Rd 34x1/8"	0,160	AK32056017P
DN 15 ISO	21.3	54	18.1	1.6	34	Rd 44x1/6"	0,240	AK32056021P
DN 20 ISO	26.9	63	23.7	1.6	42	Rd 52x1/6"	0,350	AK32056026P
DN 25 ISO	33.7	70	29.7	2	48	Rd 58x1/6"	0,450	AK32056033P
DN 32 ISO	42.4	78	38.4	2	50	Rd 65x1/6"	0,530	AK32056042P
DN 40 ISO	48.3	92	44.3	2	54	Rd 78x1/6"	0,720	AK32056048P
DN 50 ISO	60.3	112	56.3	2	62	Rd 95x1/6"	1,070	AK32056060P
DN 65 ISO	76.1	127	72.1	2	72	Rd 110x1/4"	1,670	AK32056076P
DN 80 ISO	88.9	148	84.3	2.3	86	Rd 130x1/4"	2,400	AK32056088P

ISO | Male GS | AK3-210



ISO	OD	ID	W	L	L1	Rd	Kg	316L
DN 8 ISO	13.5	10.3	1.6	19	5	Rd 28x1/8"	0,040	AK32106013
DN 10 ISO	17.2	14	1.6	19	5	Rd 34x1/8"	0,060	AK32106017
DN 15 ISO	21.3	18.1	1.6	21	5	Rd 44x1/6"	0,110	AK32106021
DN 20 ISO	26.9	23.7	1.6	26	7	Rd 52x1/6"	0,140	AK32106026
DN 25 ISO	33.7	29.7	2	30	9	Rd 58x1/6"	0,160	AK32106033
DN 32 ISO	42.4	38.4	2	31	11	Rd 65x1/6"	0,190	AK32106042
DN 40 ISO	48.3	44.3	2	31	12	Rd 78x1/6"	0,270	AK32106048
DN 50 ISO	60.3	56.3	2	36	12	Rd 95x1/6"	0,410	AK32106060
DN 65 ISO	76.1	72.1	2	42	17	Rd 110x1/4"	0,700	AK32106076
DN 80 ISO	88.9	84.3	2.3	50	18	Rd 130x1/4"	0,860	AK32106088

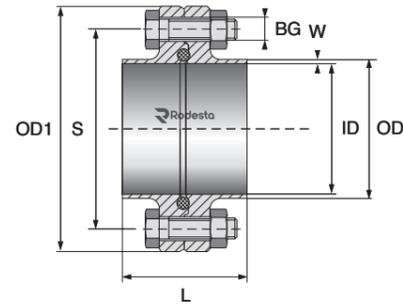
ISO | Liner BS | AK3-215



DN	OD	OD1	ID	W	L	L1	Kg	316L
DN 8 ISO	13.5	21.9	10.3	1.6	17	5	0,020	AK32156013
DN 10 ISO	17.2	27.9	14	1.6	17	5	0,020	AK32156017
DN 15 ISO	21.3	35.9	18.1	1.6	18	5	0,050	AK32156021
DN 20 ISO	26.9	42.9	23.7	1.6	22	7	0,080	AK32156026
DN 25 ISO	33.7	48.9	29.7	2	25	9	0,110	AK32156033
DN 32 ISO	42.4	54.9	38.4	2	26	11	0,120	AK32156042
DN 40 ISO	48.3	66.9	44.3	2	30	12	0,200	AK32156048
DN 50 ISO	60.3	84.9	56.3	2	34	12	0,330	AK32156060
DN 65 ISO	76.1	98.9	72.1	2	38	17	0,420	AK32156076
DN 80 ISO	88.9	118.9	84.3	2.3	46	18	0,740	AK32156088



AK3-230 | Flange connection F | ISO - EPDM

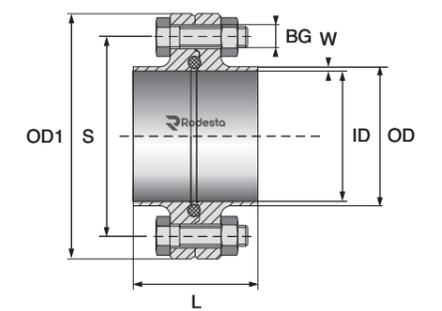


DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 8 ISO	13.5	54	10.3	1.6	48	37	4/M8 x 30mm	0,310	AK32306013E
DN 10 ISO	17.2	59	14	1.6	48	42	4/M8 x 30mm	0,370	AK32306017E
DN 15 ISO	21.3	62	18.1	1.6	48	45	4/M8 x 30mm	0,410	AK32306021E
DN 20 ISO	26.9	69	23.7	1.6	48	52	4/M8 x 30mm	0,500	AK32306026E
DN 25 ISO	33.7	74	29.7	2	48	57	4/M8 x 30mm	0,560	AK32306033E
DN 32 ISO	42.4	82	38.4	2	48	65	4/M8 x 30mm	0,650	AK32306042E
DN 40 ISO	48.3	88	44.3	2	48	71	4/M8 x 30mm	0,730	AK32306048E
DN 50 ISO	60.3	103	56.3	2	48	85	4/M8 x 30mm	0,940	AK32306060E
DN 65 ISO	76.1	125	72.1	2	48	104	8/M10 x 35mm	1,400	AK32306076E
DN 80 ISO	88.9	137	84.3	2.3	52	116	8/M10 x 35mm	1,690	AK32306088E
DN 100 ISO	114.3	168	109.7	2.3	52	146	8/M10 x 40mm	2,790	AK32306114E

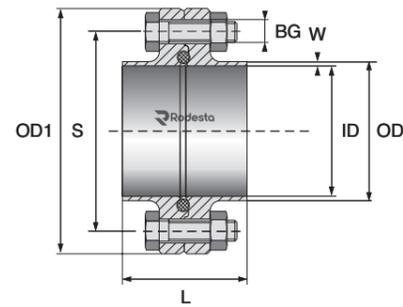
ISO - PTFE | Flange connection F | AK3-230



DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 8 ISO	13.5	54	10.3	1.6	48	37	4/M8 x 30mm	0,310	AK32306013P
DN 10 ISO	17.2	59	14	1.6	48	42	4/M8 x 30mm	0,370	AK32306017P
DN 15 ISO	21.3	62	18.1	1.6	48	45	4/M8 x 30mm	0,410	AK32306021P
DN 20 ISO	26.9	69	23.7	1.6	48	52	4/M8 x 30mm	0,500	AK32306026P
DN 25 ISO	33.7	74	29.7	2	48	57	4/M8 x 30mm	0,560	AK32306033P
DN 32 ISO	42.4	82	38.4	2	48	65	4/M8 x 30mm	0,650	AK32306042P
DN 40 ISO	48.3	88	44.3	2	48	71	4/M8 x 30mm	0,730	AK32306048P
DN 50 ISO	60.3	103	56.3	2	48	85	4/M8 x 30mm	0,940	AK32306060P
DN 65 ISO	76.1	125	72.1	2	48	104	8/M10 x 35mm	1,400	AK32306076P
DN 80 ISO	88.9	137	84.3	2.3	52	116	8/M10 x 35mm	1,690	AK32306088P
DN 100 ISO	114.3	168	109.7	2.3	52	146	8/M10 x 40mm	2,790	AK32306114P

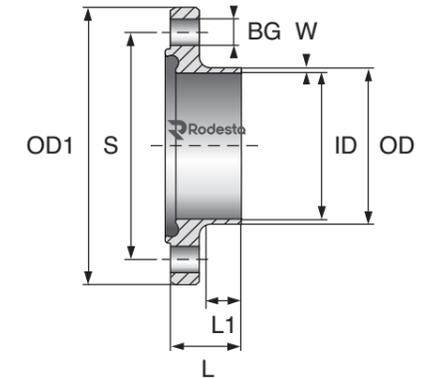


AK3-230 | Flange connection F | ISO - FKM



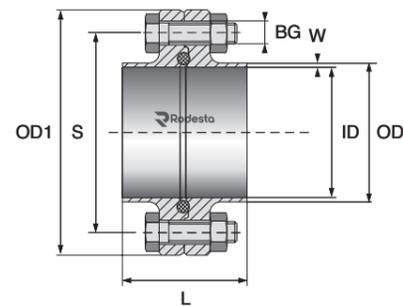
DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 8 ISO	13.5	54	10.3	1.6	48	37	4/M8 x 30mm	0,310	AK32306013F
DN 10 ISO	17.2	59	14	1.6	48	42	4/M8 x 30mm	0,370	AK32306017F
DN 15 ISO	21.3	62	18.1	1.6	48	45	4/M8 x 30mm	0,410	AK32306021F
DN 20 ISO	26.9	69	23.7	1.6	48	52	4/M8 x 30mm	0,500	AK32306026F
DN 25 ISO	33.7	74	29.7	2	48	57	4/M8 x 30mm	0,560	AK32306033F
DN 32 ISO	42.4	82	38.4	2	48	65	4/M8 x 30mm	0,650	AK32306042F
DN 40 ISO	48.3	88	44.3	2	48	71	4/M8 x 30mm	0,730	AK32306048F
DN 50 ISO	60.3	103	56.3	2	48	85	4/M8 x 30mm	0,940	AK32306060F
DN 65 ISO	76.1	125	72.1	2	48	104	8/M10 x 35mm	1,400	AK32306076F
DN 80 ISO	88.9	137	84.3	2.3	52	116	8/M10 x 35mm	1,690	AK32306088F
DN 100 ISO	114.3	168	109.7	2.3	52	146	8/M10 x 40mm	2,790	AK32306114F

ISO | Nut flange NF | AK3-235



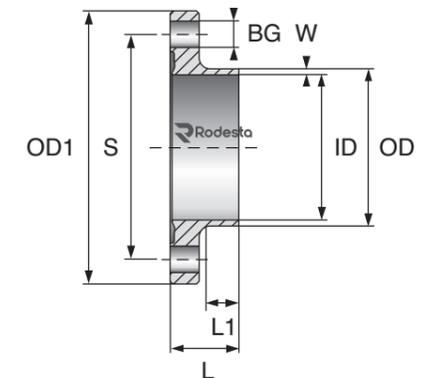
DN	OD	OD1	ID	W	L	LI	S	BG	Kg	316L
DN 8 ISO	13.5	54	10.3	1.6	25.5	10	37	4 x 9mm	0,160	AK32356013
DN 10 ISO	17.2	59	14	1.6	25.5	10	42	4 x 9mm	0,190	AK32356017
DN 15 ISO	21.3	62	18.1	1.6	25.5	10	45	4 x 9mm	0,200	AK32356021
DN 20 ISO	26.9	69	23.7	1.6	25.5	10	52	4 x 9mm	0,250	AK32356026
DN 25 ISO	33.7	74	29.7	2	25.5	10	57	4 x 9mm	0,290	AK32356033
DN 32 ISO	42.4	82	38.4	2	25.5	10	65	4 x 9mm	0,330	AK32356042
DN 40 ISO	48.3	88	44.3	2	25.5	10	71	4 x 9mm	0,370	AK32356048
DN 50 ISO	60.3	103	56.3	2	25.5	10	85	4 x 9mm	0,480	AK32356060
DN 65 ISO	76.1	125	72.1	2	25.5	8	104	8 x 11mm	0,760	AK32356076
DN 80 ISO	88.9	137	84.3	2.3	27.5	10	116	8 x 11mm	0,860	AK32356088
DN 100 ISO	114.3	168	109.7	2.3	27.5	8	146	8 x 11mm	1,390	AK32356114

AK3-230 | Flange connection F | ISO - HNBR



DN	OD	OD1	ID	W	L	S	BG	Kg	316L
DN 8 ISO	13.5	54	10.3	1.6	48	37	4/M8 x 30mm	0,310	AK32306013H
DN 10 ISO	17.2	59	14	1.6	48	42	4/M8 x 30mm	0,370	AK32306017H
DN 15 ISO	21.3	62	18.1	1.6	48	45	4/M8 x 30mm	0,410	AK32306021H
DN 20 ISO	26.9	69	23.7	1.6	48	52	4/M8 x 30mm	0,500	AK32306026H
DN 25 ISO	33.7	74	29.7	2	48	57	4/M8 x 30mm	0,560	AK32306033H
DN 32 ISO	42.4	82	38.4	2	48	65	4/M8 x 30mm	0,650	AK32306042H
DN 40 ISO	48.3	88	44.3	2	48	71	4/M8 x 30mm	0,730	AK32306048H
DN 50 ISO	60.3	103	56.3	2	48	85	4/M8 x 30mm	0,940	AK32306060H
DN 65 ISO	76.1	125	72.1	2	48	104	8/M10 x 35mm	1,400	AK32306076H
DN 80 ISO	88.9	137	84.3	2.3	52	116	8/M10 x 35mm	1,690	AK32306088H
DN 100 ISO	114.3	168	109.7	2.3	52	146	8/M10 x 40mm	2,790	AK32306114H

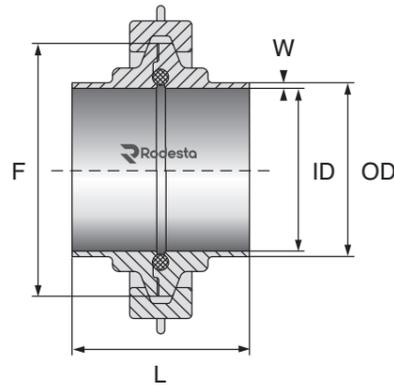
ISO | Liner flange BF | AK3-240



DN	OD	OD1	ID	W	L	LI	S	BG	Kg	316L
DN 8 ISO	13.5	54	10.3	1.6	24	10	37	4 x 9mm	0,150	AK32406013
DN 10 ISO	17.2	59	14	1.6	24	10	42	4 x 9mm	0,180	AK32406017
DN 15 ISO	21.3	62	18.1	1.6	24	10	45	4 x 9mm	0,200	AK32406021
DN 20 ISO	26.9	69	23.7	1.6	24	10	52	4 x 9mm	0,250	AK32406026
DN 25 ISO	33.7	74	29.7	2	24	10	57	4 x 9mm	0,270	AK32406033
DN 32 ISO	42.4	82	38.4	2	24	10	65	4 x 9mm	0,320	AK32406042
DN 40 ISO	48.3	88	44.3	2	24	10	71	4 x 9mm	0,350	AK32406048
DN 50 ISO	60.3	103	56.3	2	24	10	85	4 x 9mm	0,460	AK32406060
DN 65 ISO	76.1	125	72.1	2	24	8	104	8 x 11mm	0,640	AK32406076
DN 80 ISO	88.9	137	84.3	2.3	26	10	116	8 x 11mm	0,830	AK32406088
DN 100 ISO	114.3	168	109.7	2.3	26	8	146	8 x 11mm	1,360	AK32406114



AK3-255 | Clamp connection K | ISO - EPDM

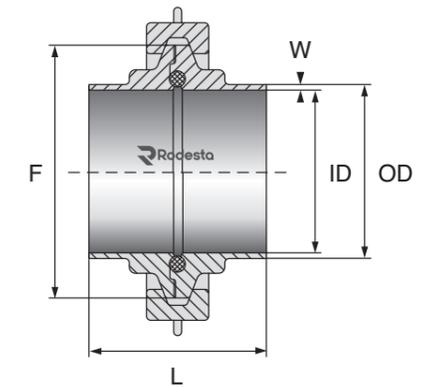


DN	OD	ID	W	L	F	Kg	316L
DN 8 ISO	13.5	10.3	1.6	44	34	0,040	AK32556013E
DN 10 ISO	17.2	14	1.6	44	34	0,180	AK32556017E
DN 15 ISO	21.3	18.1	1.6	44	34	0,220	AK32556021E
DN 20 ISO	26.9	23.7	1.6	44	50.5	0,470	AK32556026E
DN 25 ISO	33.7	29.7	2	48	50.5	0,460	AK32556033E
DN 32 ISO	42.4	38.4	2	48	64	0,500	AK32556042E
DN 40 ISO	48.3	44.3	2	50	64	0,600	AK32556048E
DN 50 ISO	60.3	56.3	2	54	91	0,810	AK32556060E
DN 65 ISO	76.1	72.1	2	57	106	1,040	AK32556076E
DN 80 ISO	88.9	84.3	2.3	62	119	1,250	AK32556088E

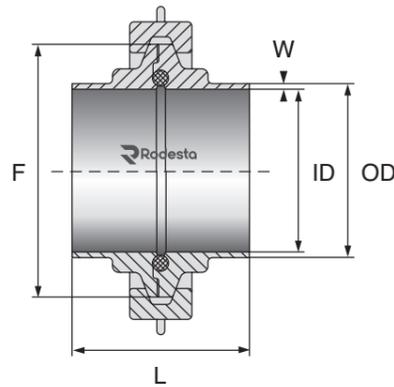
ISO - PTFE | Clamp connection K | AK3-255



DN	OD	ID	W	L	F	Kg	316L
DN 8 ISO	13.5	10.3	1.6	44	34	0,040	AK32556013P
DN 10 ISO	17.2	14	1.6	44	34	0,180	AK32556017P
DN 15 ISO	21.3	18.1	1.6	44	34	0,220	AK32556021P
DN 20 ISO	26.9	23.7	1.6	44	50.5	0,470	AK32556026P
DN 25 ISO	33.7	29.7	2	48	50.5	0,460	AK32556033P
DN 32 ISO	42.4	38.4	2	48	64	0,500	AK32556042P
DN 40 ISO	48.3	44.3	2	50	64	0,600	AK32556048P
DN 50 ISO	60.3	56.3	2	54	91	0,810	AK32556060P
DN 65 ISO	76.1	72.1	2	57	106	1,040	AK32556076P
DN 80 ISO	88.9	84.3	2.3	62	119	1,250	AK32556088P



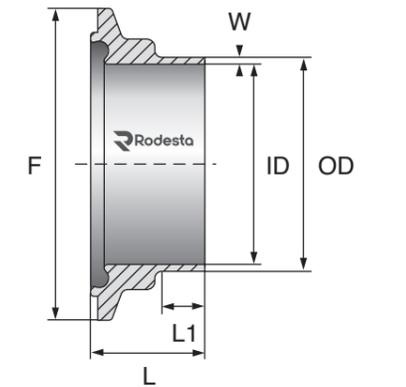
AK3-255 | Clamp connection K | ISO - FKM



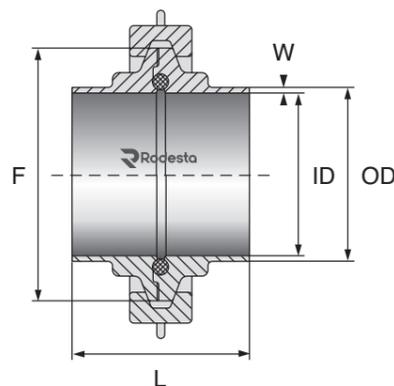
DN	OD	ID	W	L	F	Kg	316L
DN 8 ISO	13.5	10.3	1.6	44	34	0,040	AK32556013F
DN 10 ISO	17.2	14	1.6	44	34	0,180	AK32556017F
DN 15 ISO	21.3	18.1	1.6	44	34	0,220	AK32556021F
DN 20 ISO	26.9	23.7	1.6	44	50.5	0,470	AK32556026F
DN 25 ISO	33.7	29.7	2	48	50.5	0,460	AK32556033F
DN 32 ISO	42.4	38.4	2	48	64	0,500	AK32556042F
DN 40 ISO	48.3	44.3	2	50	64	0,600	AK32556048F
DN 50 ISO	60.3	56.3	2	54	91	0,810	AK32556060F
DN 65 ISO	76.1	72.1	2	57	106	1,040	AK32556076F
DN 80 ISO	88.9	84.3	2.3	62	119	1,250	AK32556088F

ISO | Nut clamp NKS | AK3-260

DN	OD	ID	W	L	LI	F	Kg	316L
DN 8 ISO	13.5	10.3	1.6	23.5	10	34	0,040	AK32606013
DN 10 ISO	17.2	14	1.6	23.5	10	34	0,040	AK32606017
DN 15 ISO	21.3	18.1	1.6	23.5	10	34	0,080	AK32606021
DN 20 ISO	26.9	23.7	1.6	23.5	10	50.5	0,080	AK32606026
DN 25 ISO	33.7	29.7	2	25.5	10	50.5	0,070	AK32606033
DN 32 ISO	42.4	38.4	2	25.5	10	64	0,110	AK32606042
DN 40 ISO	48.3	44.3	2	26.5	10	64	0,140	AK32606048
DN 50 ISO	60.3	56.3	2	28.5	10	91	0,190	AK32606060
DN 65 ISO	76.1	72.1	2	30	10	106	0,240	AK32606076
DN 80 ISO	88.9	84.3	2.3	32.5	10	119	0,290	AK32606088



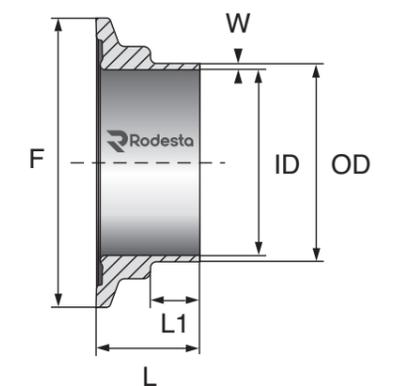
AK3-255 | Clamp connection K | ISO - HNBR



DN	OD	ID	W	L	F	Kg	316L
DN 8 ISO	13.5	10.3	1.6	44	34	0,040	AK32556013H
DN 10 ISO	17.2	14	1.6	44	34	0,180	AK32556017H
DN 15 ISO	21.3	18.1	1.6	44	34	0,220	AK32556021H
DN 20 ISO	26.9	23.7	1.6	44	50.5	0,470	AK32556026H
DN 25 ISO	33.7	29.7	2	48	50.5	0,460	AK32556033H
DN 32 ISO	42.4	38.4	2	48	64	0,500	AK32556042H
DN 40 ISO	48.3	44.3	2	50	64	0,600	AK32556048H
DN 50 ISO	60.3	56.3	2	54	91	0,810	AK32556060H
DN 65 ISO	76.1	72.1	2	57	106	1,040	AK32556076H
DN 80 ISO	88.9	84.3	2.3	62	119	1,250	AK32556088H

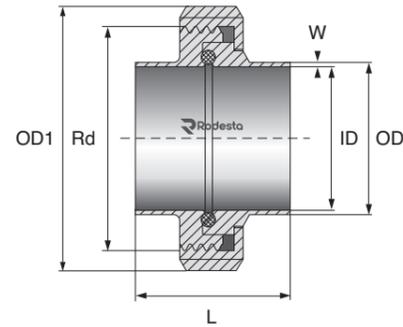
ISO | Liner clamp BKS | AK3-265

DN	OD	ID	W	L	LI	F	Kg	316L
DN 8 ISO	13.5	10.3	1.6	22	10	34	0,030	AK32656013
DN 10 ISO	17.2	14	1.6	22	10	34	0,030	AK32656017
DN 15 ISO	21.3	18.1	1.6	22	10	34	0,020	AK32656021
DN 20 ISO	26.9	23.7	1.6	22	10	50.5	0,060	AK32656026
DN 25 ISO	33.7	29.7	2	24	10	50.5	0,050	AK32656033
DN 32 ISO	42.4	38.4	2	24	10	64	0,080	AK32656042
DN 40 ISO	48.3	44.3	2	25	10	64	0,070	AK32656048
DN 50 ISO	60.3	56.3	2	27	10	91	0,170	AK32656060
DN 65 ISO	76.1	72.1	2	28.5	10	106	0,220	AK32656076
DN 80 ISO	88.9	84.3	2.3	31	10	119	0,280	AK32656088



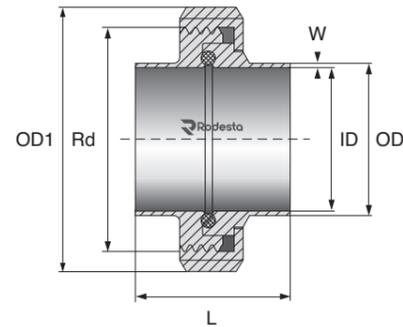


AK3-305 | Union V | INCH - EPDM



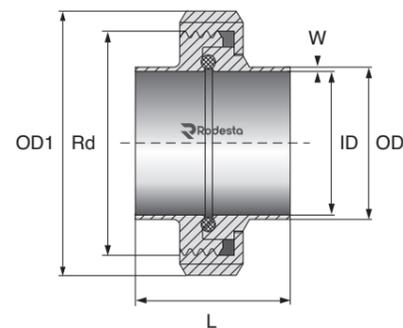
INCH	OD	OD1	ID	W	L	Rd	Kg	316L
1/2"	12.7	38	9.4	1.65	32	Rd 28x1/8"	0,190	AK33056012E
3/4"	19.05	44	15.75	1.65	32	Rd 34x1/8"	0,260	AK33056019E
1"	25.4	63	22.1	1.65	42	Rd 52x1/6"	0,410	AK33056025E
1-1/2"	38.1	78	34.8	1.65	50	Rd 65x1/6"	0,570	AK33056038E
2"	50.8	92	47.5	1.65	54	Rd 78x1/6"	0,760	AK33056050E
2-1/2"	63.5	112	60.2	1.65	62	Rd 95x1/6"	1,260	AK33056063E
3"	76.2	127	72.9	1.65	72	Rd 110x1/4"	1,850	AK33056076E
4"	101.6	148	97.38	2.11	86	Rd 130x1/4"	2,360	AK33056101E

AK3-305 | Union V | INCH - FKM



INCH	OD	OD1	ID	W	L	Rd	Kg	316L
1/2"	12.7	38	9.4	1.65	32	Rd 28x1/8"	0,190	AK33056012F
3/4"	19.05	44	15.75	1.65	32	Rd 34x1/8"	0,260	AK33056019F
1"	25.4	63	22.1	1.65	42	Rd 52x1/6"	0,410	AK33056025F
1-1/2"	38.1	78	34.8	1.65	50	Rd 65x1/6"	0,570	AK33056038F
2"	50.8	92	47.5	1.65	54	Rd 78x1/6"	0,760	AK33056050F
2-1/2"	63.5	112	60.2	1.65	62	Rd 95x1/6"	1,260	AK33056063F
3"	76.2	127	72.9	1.65	72	Rd 110x1/4"	1,850	AK33056076F
4"	101.6	148	97.38	2.11	86	Rd 130x1/4"	2,360	AK33056101F

AK3-305 | Union V | INCH - HNBR

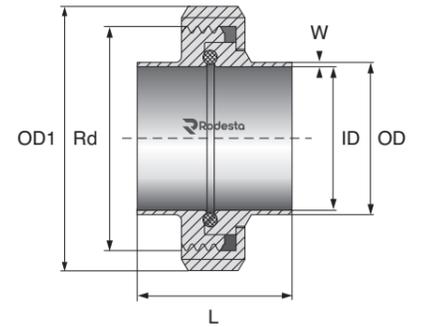


INCH	OD	OD1	ID	W	L	Rd	Kg	316L
1/2"	12.7	38	9.4	1.65	32	Rd 28x1/8"	0,190	AK33056012H
3/4"	19.05	44	15.75	1.65	32	Rd 34x1/8"	0,260	AK33056019H
1"	25.4	63	22.1	1.65	42	Rd 52x1/6"	0,410	AK33056025H
1-1/2"	38.1	78	34.8	1.65	50	Rd 65x1/6"	0,570	AK33056038H
2"	50.8	92	47.5	1.65	54	Rd 78x1/6"	0,760	AK33056050H
2-1/2"	63.5	112	60.2	1.65	62	Rd 95x1/6"	1,260	AK33056063H
3"	76.2	127	72.9	1.65	72	Rd 110x1/4"	1,850	AK33056076H
4"	101.6	148	97.38	2.11	86	Rd 130x1/4"	2,360	AK33056101H



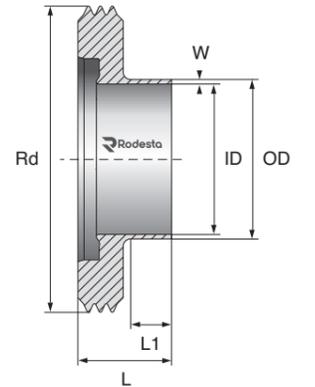
INCH - PTFE | Union V | AK3-305

INCH	OD	OD1	ID	W	L	Rd	Kg	316L
1/2"	12.7	38	9.4	1.65	32	Rd 28x1/8"	0,190	AK33056012P
3/4"	19.05	44	15.75	1.65	32	Rd 34x1/8"	0,260	AK33056019P
1"	25.4	63	22.1	1.65	42	Rd 52x1/6"	0,410	AK33056025P
1-1/2"	38.1	78	34.8	1.65	50	Rd 65x1/6"	0,570	AK33056038P
2"	50.8	92	47.5	1.65	54	Rd 78x1/6"	0,760	AK33056050P
2-1/2"	63.5	112	60.2	1.65	62	Rd 95x1/6"	1,260	AK33056063P
3"	76.2	127	72.9	1.65	72	Rd 110x1/4"	1,850	AK33056076P
4"	101.6	148	97.38	2.11	86	Rd 130x1/4"	2,360	AK33056101P



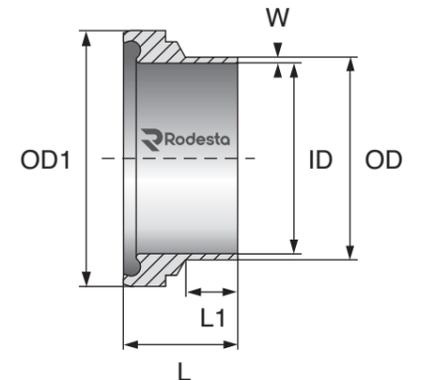
INCH - Male GS | AK3-310

INCH	OD	ID	W	L	L1	Rd	Kg	316L
1/2"	12.7	9.4	1.65	19	5	Rd 28x1/8"	0,040	AK33106012
3/4"	19.05	15.75	1.65	19	5	Rd 34x1/8"	0,060	AK33106019
1"	25.4	22.1	1.65	26	10	Rd 52x1/6"	0,150	AK33106025
1-1/2"	38.1	34.8	1.65	31	15	Rd 65x1/6"	0,200	AK33106038
2"	50.8	47.5	1.65	31	15	Rd 78x1/6"	0,260	AK33106050
2-1/2"	63.5	60.2	1.65	36	18	Rd 95x1/6"	0,390	AK33106063
3"	76.2	72.9	1.65	42	18	Rd 110x1/4"	0,670	AK33106076
4"	101.6	97.38	2.11	50	26	Rd 130x1/4"	0,750	AK33106101



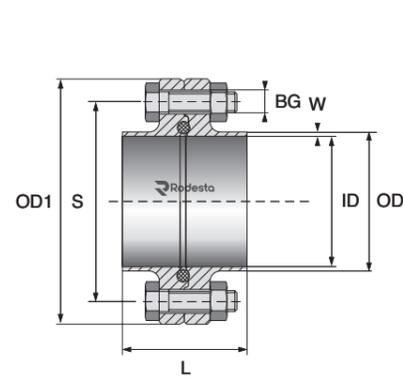
INCH - Liner BS | AK3-315

INCH	OD	OD1	ID	W	L	L1	Kg	316L
1/2"	12.7	21.9	9.4	1.65	17	6.5	0,020	AK33156012
3/4"	19.05	27.9	15.75	1.65	17	6.5	0,020	AK33156019
1"	25.4	42.9	22.1	1.65	22	8	0,080	AK33156025
1-1/2"	38.1	54.9	34.8	1.65	26	9.5	0,120	AK33156038
2"	50.8	66.9	47.5	1.65	30	12.5	0,170	AK33156050
2-1/2"	63.5	84.9	60.2	1.65	34	21	0,320	AK33156063
3"	76.2	98.9	72.9	1.65	38	17	0,380	AK33156076
4"	101.6	118.9	97.38	2.11	46	21	0,530	AK33156101





AK3-330 | Flange connection F | INCH - EPDM

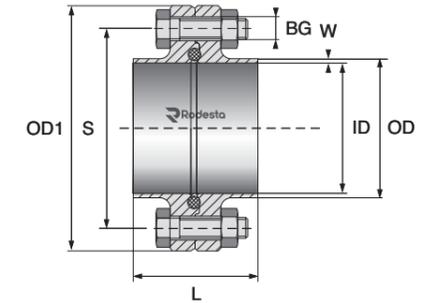


INCH	OD	OD1	ID	W	L	S	BG	Kg	316L
1/2"	12.7	54	9.4	1.65	48	37	4/M8 x 30mm	0,310	AK33306012E
3/4"	19.05	59	15.75	1.65	48	42	4/M8 x 30mm	0,370	AK33306019E
1"	25.4	66	22.2	1.65	48	49	4/M8 x 30mm	0,450	AK33306025E
1-1/2"	38.1	79	34.8	1.65	48	62	4/M8 x 30mm	0,610	AK33306038E
2"	50.8	92	47.5	1.65	48	75	4/M8 x 30mm	0,770	AK33306050E
2-1/2"	63.5	107	60.2	1.65	48	89	8/M8 x 30mm	0,940	AK33306063E
3"	76.2	125	72.9	1.65	48	104	8/M10 x 35mm	1,430	AK33306076E
4"	101.6	157	97.38	2.11	52	135	8/M10 x 35mm	2,530	AK33306101E

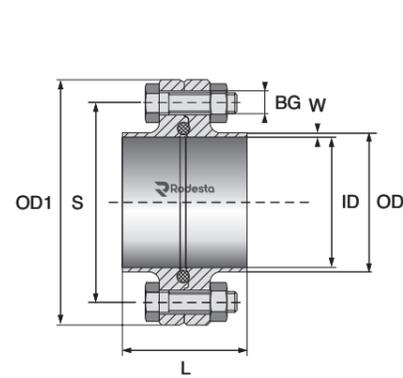


INCH - PTFE | Flange connection F | AK3-330

INCH	OD	OD1	ID	W	L	S	BG	Kg	316L
1/2"	12.7	54	9.4	1.65	48	37	4/M8 x 30mm	0,310	AK33306012P
3/4"	19.05	59	15.75	1.65	48	42	4/M8 x 30mm	0,370	AK33306019P
1"	25.4	66	22.2	1.65	48	49	4/M8 x 30mm	0,450	AK33306025P
1-1/2"	38.1	79	34.8	1.65	48	62	4/M8 x 30mm	0,610	AK33306038P
2"	50.8	92	47.5	1.65	48	75	4/M8 x 30mm	0,770	AK33306050P
2-1/2"	63.5	107	60.2	1.65	48	89	8/M8 x 30mm	0,940	AK33306063P
3"	76.2	125	72.9	1.65	48	104	8/M10 x 35mm	1,430	AK33306076P
4"	101.6	157	97.38	2.11	52	135	8/M10 x 35mm	2,530	AK33306101P



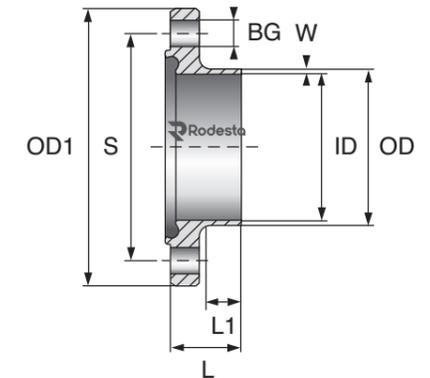
AK3-330 | Flange connection F | INCH - FKM



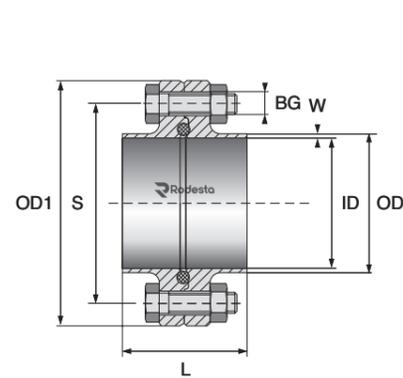
INCH	OD	OD1	ID	W	L	S	BG	Kg	316L
1/2"	12.7	54	9.4	1.65	48	37	4/M8 x 30mm	0,310	AK33306012F
3/4"	19.05	59	15.75	1.65	48	42	4/M8 x 30mm	0,370	AK33306019F
1"	25.4	66	22.2	1.65	48	49	4/M8 x 30mm	0,450	AK33306025F
1-1/2"	38.1	79	34.8	1.65	48	62	4/M8 x 30mm	0,610	AK33306038F
2"	50.8	92	47.5	1.65	48	75	4/M8 x 30mm	0,770	AK33306050F
2-1/2"	63.5	107	60.2	1.65	48	89	8/M8 x 30mm	0,940	AK33306063F
3"	76.2	125	72.9	1.65	48	104	8/M10 x 35mm	1,430	AK33306076F
4"	101.6	157	97.38	2.11	52	135	8/M10 x 35mm	2,530	AK33306101F

INCH | Nut flange NF | AK3-335

INCH	OD	OD1	ID	W	L	L1	S	BG	Kg	316L
1/2"	12.7	54	9.4	1.65	25.5	10	37	4 x 9mm	0,160	AK33356012
3/4"	19.05	59	15.75	1.65	25.5	10	42	4 x 9mm	0,190	AK33356019
1"	25.4	66	22.2	1.65	25.5	10	49	4 x 9mm	0,230	AK33356025
1-1/2"	38.1	79	34.8	1.65	25.5	10	62	4 x 9mm	0,310	AK33356038
2"	50.8	92	47.5	1.65	25.5	10	75	4 x 9mm	0,390	AK33356050
2-1/2"	63.5	107	60.2	1.65	25.5	10	89	8 x 9mm	0,480	AK33356063
3"	76.2	125	72.9	1.65	25.5	8	104	8 x 11mm	0,730	AK33356076
4"	101.6	157	97.38	2.11	27.5	8	135	8 x 11mm	1,280	AK33356101



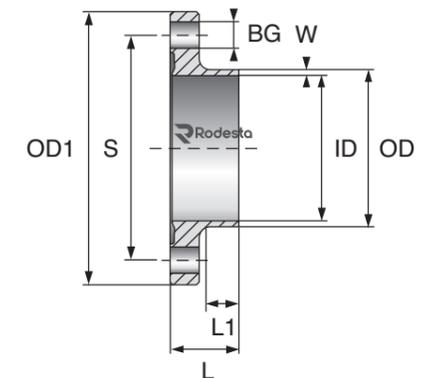
AK3-330 | Flange connection F | INCH - HNBR



INCH	OD	OD1	ID	W	L	S	BG	Kg	316L
1/2"	12.7	54	9.4	1.65	48	37	4/M8 x 30mm	0,310	AK33306012H
3/4"	19.05	59	15.75	1.65	48	42	4/M8 x 30mm	0,370	AK33306019H
1"	25.4	66	22.2	1.65	48	49	4/M8 x 30mm	0,450	AK33306025H
1-1/2"	38.1	79	34.8	1.65	48	62	4/M8 x 30mm	0,610	AK33306038H
2"	50.8	92	47.5	1.65	48	75	4/M8 x 30mm	0,770	AK33306050H
2-1/2"	63.5	107	60.2	1.65	48	89	8/M8 x 30mm	0,940	AK33306063H
3"	76.2	125	72.9	1.65	48	104	8/M10 x 35mm	1,430	AK33306076H
4"	101.6	157	97.38	2.11	52	135	8/M10 x 35mm	2,530	AK33306101H

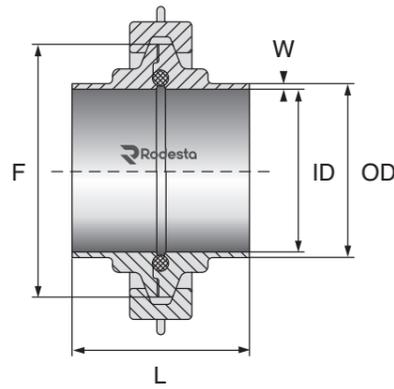
INCH | Liner flange BF | AK3-340

INCH	OD	OD1	ID	W	L	L1	S	BG	Kg	316L
1/2"	12.7	54	9.4	1.65	24	10	37	4 x 9mm	0,150	AK33406012
3/4"	19.05	59	15.75	1.65	24	10	42	4 x 9mm	0,180	AK33406019
1"	25.4	66	22.2	1.65	24	10	49	4 x 9mm	0,220	AK33406025
1-1/2"	38.1	79	34.8	1.65	24	10	62	4 x 9mm	0,300	AK33406038
2"	50.8	92	47.5	1.65	24	10	75	4 x 9mm	0,370	AK33406050
2-1/2"	63.5	107	60.2	1.65	24	10	89	8 x 9mm	0,460	AK33406063
3"	76.2	125	72.9	1.65	24	8	104	8 x 11mm	0,700	AK33406076
4"	101.6	157	97.38	2.11	26	8	135	8 x 11mm	1,250	AK33406101





AK3-355 | **Clamp connection K** | INCH - EPDM

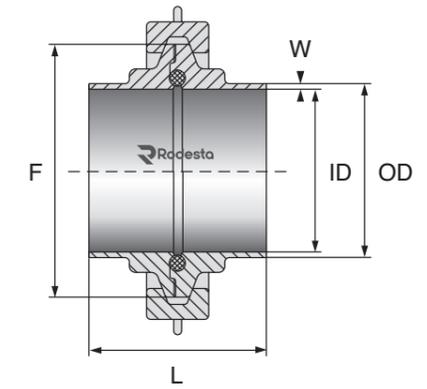


INCH	OD	ID	W	L	F	Kg	316L
1/2"	12.7	9.4	1.65	44	34	0,180	AK33556012E
3/4"	19.05	15.75	1.65	44	34	0,180	AK33556019E
1"	25.4	22.1	1.65	44	50.5	0,480	AK33556025E
1-1/2"	38.1	34.8	1.65	48	64	0,470	AK33556038E
2"	50.8	47.5	1.65	49	77.5	0,460	AK33556050E
2-1/2"	63.5	60.2	1.65	55	91	0,570	AK33556063E
3"	76.2	72.9	1.65	57	106	0,740	AK33556076E
4"	101.6	97.38	2.11	59	130	0,990	AK33556101E

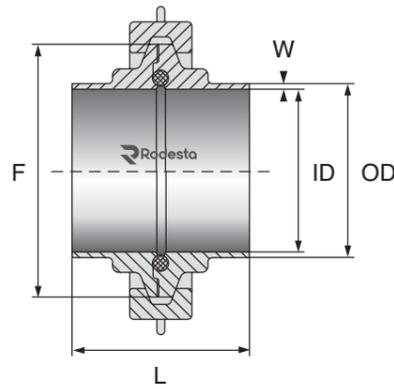


INCH - PTFE | **Clamp connection K** | AK3-355

INCH	OD	ID	W	L	F	Kg	316L
1/2"	12.7	9.4	1.65	44	34	0,180	AK33556012P
3/4"	19.05	15.75	1.65	44	34	0,180	AK33556019P
1"	25.4	22.1	1.65	44	50.5	0,480	AK33556025P
1-1/2"	38.1	34.8	1.65	48	64	0,470	AK33556038P
2"	50.8	47.5	1.65	49	77.5	0,460	AK33556050P
2-1/2"	63.5	60.2	1.65	55	91	0,570	AK33556063P
3"	76.2	72.9	1.65	57	106	0,740	AK33556076P
4"	101.6	97.38	2.11	59	130	0,990	AK33556101P



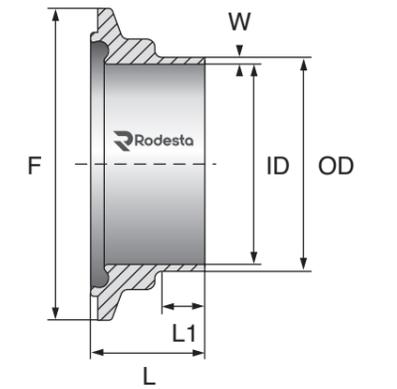
AK3-355 | **Clamp connection K** | INCH - FKM



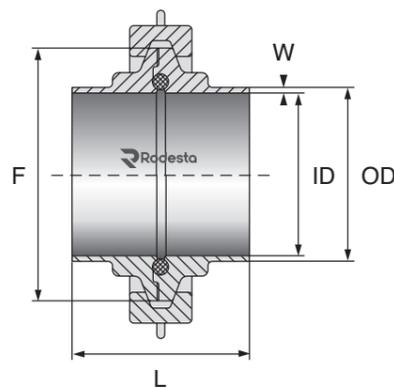
INCH	OD	ID	W	L	F	Kg	316L
1/2"	12.7	9.4	1.65	44	34	0,180	AK33556012F
3/4"	19.05	15.75	1.65	44	34	0,180	AK33556019F
1"	25.4	22.1	1.65	44	50.5	0,480	AK33556025F
1-1/2"	38.1	34.8	1.65	48	64	0,470	AK33556038F
2"	50.8	47.5	1.65	49	77.5	0,460	AK33556050F
2-1/2"	63.5	60.2	1.65	55	91	0,570	AK33556063F
3"	76.2	72.9	1.65	57	106	0,740	AK33556076F
4"	101.6	97.38	2.11	59	130	0,990	AK33556101F

INCH | **Nut clamp NKS** | AK3-360

INCH	OD	ID	W	L	L1	F	Kg	316L
1/2"	12.7	9.4	1.65	23.5	10	34	0,040	AK33606012
3/4"	19.05	15.75	1.65	23.5	10	34	0,030	AK33606019
1"	25.4	22.1	1.65	23.5	10	50.5	0,080	AK33606025
1-1/2"	38.1	34.8	1.65	25.5	10	64	0,110	AK33606038
2"	50.8	47.5	1.65	26	10	77.5	0,140	AK33606050
2-1/2"	63.5	60.2	1.65	29	10	91	0,190	AK33606063
3"	76.2	72.9	1.65	30	10	106	0,270	AK33606076
4"	101.6	97.38	2.11	31	10	130	0,340	AK33606101



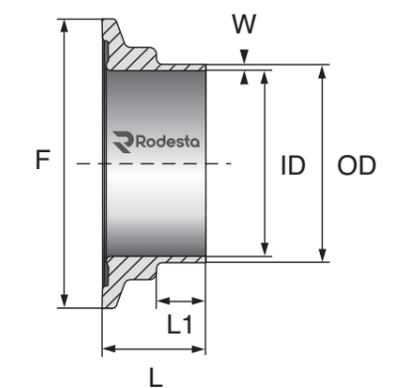
AK3-355 | **Clamp connection K** | INCH - HNBR



INCH	OD	ID	W	L	F	Kg	316L
1/2"	12.7	9.4	1.65	44	34	0,180	AK33556012H
3/4"	19.05	15.75	1.65	44	34	0,180	AK33556019H
1"	25.4	22.1	1.65	44	50.5	0,480	AK33556025H
1-1/2"	38.1	34.8	1.65	48	64	0,470	AK33556038H
2"	50.8	47.5	1.65	49	77.5	0,460	AK33556050H
2-1/2"	63.5	60.2	1.65	55	91	0,570	AK33556063H
3"	76.2	72.9	1.65	57	106	0,740	AK33556076H
4"	101.6	97.38	2.11	59	130	0,990	AK33556101H

INCH | **Liner clamp BKS** | AK3-365

INCH	OD	OD1	ID	W	L	L1	Kg	316L
1/2"	12.7	9.4	1.65	22	10	34	0,030	AK33656012
3/4"	19.05	15.75	1.65	22	10	34	0,020	AK33656019
1"	25.4	22.1	1.65	22	10	50.5	0,060	AK33656025
1-1/2"	38.1	34.8	1.65	24	10	64	0,090	AK33656038
2"	50.8	47.5	1.65	24.5	10	77.5	0,130	AK33656050
2-1/2"	63.5	60.2	1.65	27.5	10	91	0,180	AK33656063
3"	76.2	72.9	1.65	28.5	10	106	0,240	AK33656076
4"	101.6	97.38	2.11	29.5	10	130	0,350	AK33656101





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