

Marine Air Duct Systems



ROKAFLEX
AIR SYSTEM COMPONENTS



Rokaflex GmbH
Waldweg 2
22145 Braak

Tel. +49 40 66 85 93-0
Fax +49 40 66 85 93-22

info@rokaflex.de
www.rokaflex.de

© Rokaflex, Braak 2022

General Information	4
Certificate DIN EN ISO 9001:2015	5
Approval Certificates Insulation	6
Spiral ducts	8
Bends	10
Offsets	12
Reducers	13
T-Pieces	14
Couplings	15
Regulating / Stop / Closing dampers	17
Non-return dampers	18
Flexible ducts	19
Insulation Covers	20
Spiral ducts	22
Bends	23
Offsets	25
Reducers	26
T-Pieces	28
Saddles	29
Couplings	30
Take-offs	31
Stop / Closing dampers	32
Silencers	34
Flexible ducts	35
Control valves	39
Access doors	41
Duct clamps	42
Additional accessories	43

Insulated

Uninsulated

Accessories

Insulation

Mineral wool felt classified as non-combustible material, certified by several classification societies as shown in this catalogue.

Dimensions

Insulated standard: Inside diameter 80-250 mm.

Uninsulated standard: Diameter 80-800 mm.

Other dimensions on request.

Sealing system

Standard: EPDM rubber sealing fitted on inside diameter.

Material

Standard: Galvanized steel with zinc coating

Alternative: Material e. g. seawater-resistant aluminium or stainless steel on request.



Quality & Service

The quality concept – We constantly demand the highest standards for our products and services and fulfill these with a rigorous quality policy. Our Quality Management System according to ISO 9001:2015 helps us to achieve this goal.

Data sheets on demand – You require technical information on a specific product? In our technical data online you will find what you need in seconds thanks to the full-text search. In addition to the data sheets you will also find a list of the most important specification texts which can be downloaded here: www.rokaflex.de/catalogue



Certificate DIN EN ISO 9001:2015

We are
certified!



CERTIFICATE

We hereby confirm that the company
Rokaflex GmbH
Waldweg 2
D – 21445 Braak

has introduced and implemented a
quality management system
for the whole company in accordance with
DIN EN ISO 9001:2015

Scope: production and sales of ventilation system components made from all materials used
in compartment air engineering.
Compliance with the requirements of the standard has been proved by means of an audit,
documented in a report.

This certificate with the number **SEE2113** is valid until 11.06.2024.
Hamburg, 11.06.2021

[Signature]
(Kolberg)



postal address: POB 11 04 89 • DE-20404 Hamburg • visiting address: Brandstwierte 1, DE-20404 Hamburg
phone: 0049-40-36137-0 • fax: 0049-40-36137 204
E-Mail: Schiffssicherheit@bg-verkehr.de • www.deutsche-flagge.de
Zertifiziert nach
DIN EN ISO 9001:2015

Approval Certificates Insulation

Bundeswehr
Wir. Dienst. Deutschland.

Inspektion 1
BAG 2000
Tel. 0371 900 18
Fax 0371 900 18
Bewertungsstelle
Inspektion 1
Mittel- und Kleinstbau
Mittel- und Kleinstbau
Mittel- und Kleinstbau
Mittel- und Kleinstbau

ISOVER Ultimate U MFH 13 bis U MFH 36
Saint-Gobain Isover G+H AG
Gemeinsamer Grünzweig Straße 1
10559 Ludwigshafen

Sehr geehrte Damen und Herren,
hiermit gebe ich die Produkte
ISOVER Ultimate U MFH 13 bis U MFH 36
Saint-Gobain Isover G+H AG
Hersteller:
frei zur Verwendung auf Schiffen / Booten der Deutschen Marine im Wärme- und
Schallschutzbereich sowie zu Zwecken der Anwendung gemäß bezogenen Forderungen der
Baumusterprüfung für die Deutsche Marine, BV 1920 - 1 und BV 1410, in der jeweils
Beim Einbau an Bord sind die auf den jeweiligen Anwendungsfall bezogenen Forderungen der
Baumusterprüfung zu beachten.

BUREAU VERITAS
Marine & Offshore

TYPE APPROVAL CERTIFICATE
File number: ACI 1000
Product code: 0100
This certificate is not valid unless presented with the relevant schedule of approval of the product identified

SAINT-GOBAIN ISOVER G+H AG
Ludwigshafen - GERMANY
ISOVER Marine Ultimate U SteelProtect Non-Combustible Products

NON-COMBUSTIBLE MATERIALS
for the type of product
Classification of Steel Ships, Part C, Ch. 4
IMO Res. MSC.81(67) (FTP Code) with IMO MSC.307(88) (2010 FTP Code) article 8
IMO MSC.1120

Requirements:
Bureau Veritas Rules for the Classification of Steel Ships, Part C, Ch. 4
ISOVER Marine Ultimate U SteelProtect Non-Combustible Products
IMO Res. MSC.81(67) (FTP Code) with IMO MSC.307(88) (2010 FTP Code) article 8
IMO MSC.1120

Marine & Offshore
This certificate is not valid unless presented with the relevant schedule of approval of the product identified
This certificate will expire on: 22 Nov 2022

BUREAU VERITAS
PARIS 1828
INTERNATIONAL REGISTER

The certificate is issued in the subsequent pages and is completed
if these are signed by the manufacturer or authorized by the relevant product
and the relevant schedule of approval of the product identified
The certificate is valid only if the relevant schedule of approval of the product identified
is attached to the certificate. The manufacturer is responsible for the validity of the
certificate and for the signature of the relevant schedule of approval of the product identified
for which it may provide.

DGUV Test
Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

EG-Baumusterprüfbescheinigung (Modul B)
EC-Type Examination (Module B) Certificate

Zulassungs-Nr. 107064-03 **U.S. Coast Guard Zulassungs-Nr.** 164.109/EC0736/107064-03
Certificate No. U.S. Coast Guard Approval No.

Hersteller (Antragsteller) Rokaflex GmbH
Manufacturer (Applicant)

Adresse Waldweg 2
Address 22145 Braak (Deutschland / Germany)

Ausrüstung (Nummer & Bezeichnung) MED/3.13 Nicht brennbare Werkstoffe
Equipment (Number & Item designation) Non-combustible materials

Produkttyp Rokaflex Navytube NT / Rokaflex Navytube NTI
Product Type

Produktbeschränkung n/a
Product Restriction n/a

Prüfgrundlage IMO-Entschließung MSC.307(88)-(FTP-Code 2010) Anlage 1, Teil 1
Specified Standard IMO Resolution MSC.307 (88)-(FTP-Code 2010) Annex 1, Part 1

Die auf den folgenden Seiten aufgeführten Bedingungen sind Bestandteil dieses Zertifikats.
Diese Baumusterprüfbescheinigung gilt, solange sie nicht entzogen oder widerrufen wird und die Gegenstände unverändert,
einsatzfähig eingesetzt werden.
The listed conditions on following pages are part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions on following pages are complied with and the equipment
remains satisfactory in service.
On this certificate the German text shall prevail.

Hiermit wird bestätigt, dass:
This is to certify that:
Die BG Verkehr - Dienststelle Schiffssicherheit die entsprechenden EG-Bauartzulassungsverfahren zur Bewertung
angewendet hat und das genannte Baumuster den einschlägigen Brandschutz-Bestimmungen der Richtlinie
2014/90/EU (Schiffsausrüstung) in der jeweils geltenden Fassung, zuletzt geändert durch die Durchführungs-
verordnung (EU) 2018/773, vorbehaltlich der im Zertifikat genannten Auflagen, entspricht.
BG Verkehr - Ship Safety Division did undertake the relevant type approval procedures for the equipment identified below which was
found to be in compliance with the Fire protection requirements of Marine Equipment Directive (MED) 2014/90/EU, as amended by
Commission Implementing Regulation (EU) 2018/773 subject to any conditions in the schedule attached hereto.

Ausstellungsdatum 15.09.2019
Date of issue
Ablaufdatum 15.09.2024
Expiry date

Unterschrift (NIEHUS)
Signature

Seite / page
1 von / of 4

Ducts and fittings Insulated



Uninsulated

Accessories

Description

SRI15:

Insulated spiral duct

Material

Galvanized sheet steel

Non-combustible mineral wool

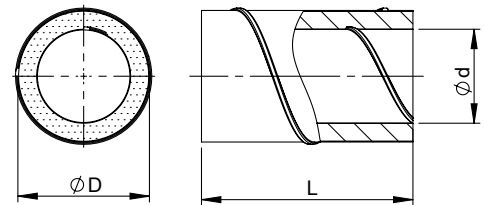
Dimensions

dØ 80 to 250 mm

Standard length 3 m

Ød (mm)	ØD (mm)	Weight (kg)
80	112	6,9
100	132	8,9
125	157	10,7
160	192	14,8
180	200	16,0
200	232	18,9
250	280	23,2

Other dimensions available.



Description

SRISD15: Insulated spiral duct
Internal duct of expanded metal
with attenuating effect

Material

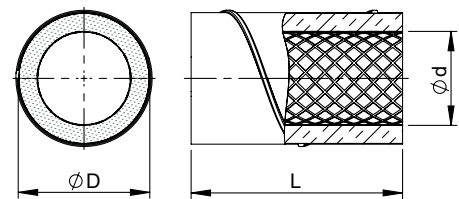
Galvanized sheet steel
Non-combustible mineral wool

Dimensions

dØ 80 to 250 mm
Standard length 3 m

Ød (mm)	ØD (mm)	Weight (kg)
80	112	6,0
100	132	7,2
125	157	8,6
160	192	11,4
180	200	12,7
200	232	13,9
250	280	16,4

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

BSDI15..90°: Insulated bend 90°

Material

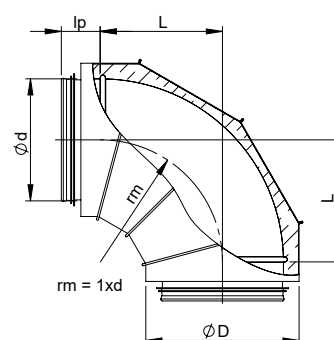
Galvanized sheet steel
Non-combustible mineral wool
Inner bend pressed with EPDM rubber seal
Outer bend hand built in segments

Dimensions

Ød 80 to 250 mm
Angle tolerance $\pm 2^\circ$

Ød (mm)	ØD (mm)	l (mm)	Weight (kg)
80	112	105	0,8
100	132	100	0,8
125	157	125	1,2
160	192	160	1,8
180	200	170	2,3
200	232	200	2,6
250*	280	250	5,8

Other dimensions available. * Inner bend is hand built in segments



Description

BSDI15..45°: Insulated bend 45°

Material

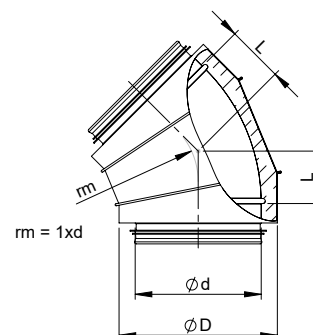
Galvanized sheet steel
Non-combustible mineral wool
Inner bend pressed with EPDM rubber seal
Outer bend hand built in segments

Dimensions

Ød 80 to 250 mm
Angle tolerance $\pm 2^\circ$

Ød (mm)	ØD (mm)	l (mm)	Weight (kg)
80	112	41	0,5
100	132	41	0,5
125	157	52	0,7
160	192	66	1,1
180	200	75	1,4
200	232	83	1,6
250*	280	115	3,1

Other dimensions available. * Inner bend is hand built in segments



Description

BSDI15..30°: Insulated bend 30°

Material

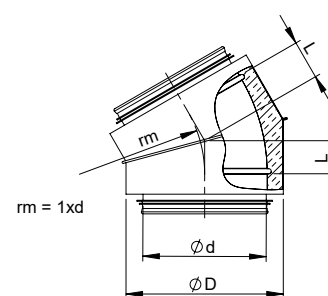
Galvanized sheet steel
Non-combustible mineral wool
Inner bend pressed with EPDM rubber seal
Outer bend hand built in segments

Dimensions

Ød 80 to 250 mm
Angle tolerance $\pm 2^\circ$

Ød (mm)	ØD (mm)	l (mm)	Weight (kg)
80	112	27	0,4
100	132	27	0,6
125	157	33	0,8
160	192	43	1,1
180	200	48	1,1
200	232	54	1,5
250*	280	76	2,4

Other dimensions available. * Inner bend is hand built in segments



Description

BSDI15..15°: Insulated bend 15°

Material

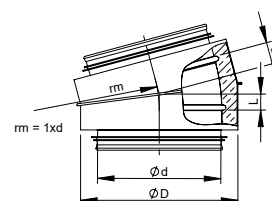
Galvanized sheet steel
Non-combustible mineral wool
Inner bend pressed with EPDM rubber seal
Outer bend hand built in segments

Dimensions

Ød 80 to 250 mm
Angle tolerance $\pm 2^\circ$

Ød (mm)	ØD (mm)	l (mm)	Weight (kg)
80	112	13	0,4
100	132	13	0,5
125	157	16	0,7
160	192	21	0,8
180	200	24	0,8
200	232	26	1,1
250*	280	45	1,9

Other dimensions available. * Inner bend is hand built in segments



Description

EIRSD15: Insulated offset for fast connection with round silencers (see page 32)

Material

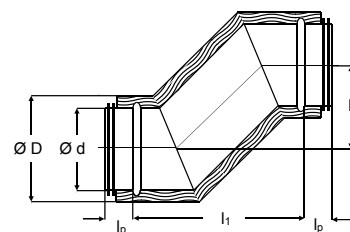
Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal

Dimensions

Ød: 100 to 200 mm

Ød (mm)	ØD (mm)	l ₁ (mm)	l ₂ (mm)	Weight (kg)
100	132	130	31	0,9
125	157	155	31	1,1
160	192	190	26	1,5
180	200	190	29	1,8
200	232	230	31	2,1

Other dimensions available.



Description

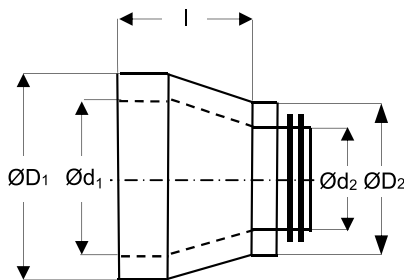
UMNDI15: Insulated reducer female/male

Material

Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal

Dimensions

Ød: 100 to 250 mm



Ød ₁ (mm)	ØD ₁ (mm)	Ød ₂ (mm)	ØD ₂ (mm)	l (mm)	Weight (kg)
100	132	80	112	68	0,4
125	157	80	112	85	0,5
		100	132	75	0,5
160	192	80	112	105	0,6
		100	132	95	0,7
		125	157	80	0,6
180	200	100	132	140	1,1
		125	157	135	1,1
		160	192	75	0,8
200	232	100	132	120	1,0
		125	157	105	0,9
		160	192	85	0,9
		180	200	80	0,9
250	280	100	132	175	1,4
		125	157	160	1,6
		160	192	145	1,6
		200	232	120	1,8

Other dimensions available.

Insulated

Uninsulated

Accessories

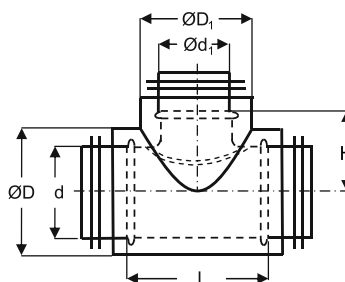
Description

ADI15:

Insulated T-Piece

Material

Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal
Inner and outer jacket hand built



Dimensions

Ød₁ 80 to 250 mm

Ød (mm)	ØD (mm)	Ød ₁ (mm)	ØD ₁ (mm)	H (mm)	L (mm)	Weight (kg)
80	112	80	112	54	140	0,9
100	132	80	112	64	110	0,8
100	132	100	132	67	130	1,0
125	157	80	112	76	97	1,1
125	157	100	132	79	130	1,1
125	157	125	157	84	165	1,3
160	192	80	112	94	140	1,2
160	192	100	132	97	130	1,3
160	192	125	157	102	166	1,5
160	192	160	192	107	209	1,6
180	200	100	132	110	175	1,4
180	200	125	157	110	215	1,9
180	200	160	192	115	260	1,7
180	200	180	200	115	285	2,0
200	232	80	112	114	140	1,4
200	232	100	132	117	175	1,5
200	232	125	157	115	215	2,2
200	232	160	192	120	209	1,8
200	232	180	200	125	285	1,9
200	232	200	232	120	249	2,1
250	280	160	192	175	260	4,2
250	280	200	232	190	330	5,0
250	280	250	280	190	380	6,0

Other dimensions available.

Description

MI15: Insulated female coupling

Material

Galvanized sheet steel

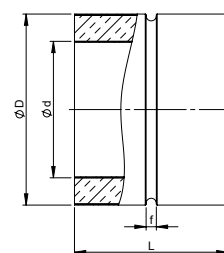
Non-combustible mineral wool

Dimensions

Ød 80 to 250 mm

Ød (mm)	ØD (mm)	L (mm)	Weight (kg)
80	112	90	0,2
100	132	90	0,3
125	157	90	0,4
160	192	90	0,5
180	200	90	0,5
200	232	90	0,6
250	280	130	1,2

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

NDI15: Insulated male coupling delivered as two loose nipples

Material

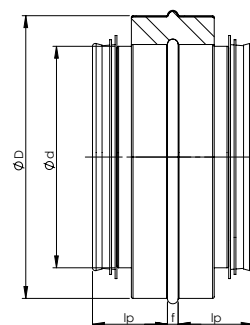
Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød 80 to 250 mm

Ød (mm)	ØD (mm)	Weight (kg)
80	112	0,2
100	132	0,2
125	157	0,3
160	192	0,4
180	200	0,5
200	232	0,5
250	280	0,9

Other dimensions available.



Description

DKDI15: Insulated regulating damper

Material

Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal

Dimensions

Ød 80 to 250 mm

Description

AKDI15: Insulated stop damper

Material

Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal

Dimensions

Ød 80 to 250 mm

Description

AKDLI15: Insulated closing damper

Material

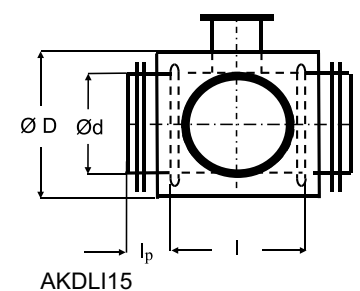
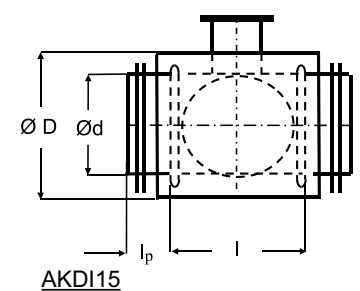
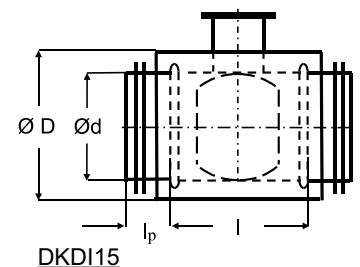
Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal

Dimensions

Ød 80 to 250 mm

Ød (mm)	ØD (mm)	l (mm)	Weight (kg)
80	112	100	1,0
100	132	100	1,1
125	157	100	1,2
160	192	100	1,5
180	200	100	1,6
200	232	100	1,7

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

RSKD115: Insulated non-return damper

Material

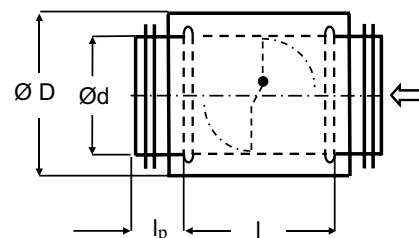
Galvanized sheet steel
Non-combustible mineral wool
EPDM rubber seal

Dimensions

Ød 80 to 250 mm

Ød (mm)	ØD (mm)	l (mm)	Weight (kg)
80	112	130	0,7
100	132	130	0,9
125	157	130	1,2
160	192	130	1,5
180	200	130	1,7
200	232	130	1,9
250	280	250	2,1

Other dimensions available.



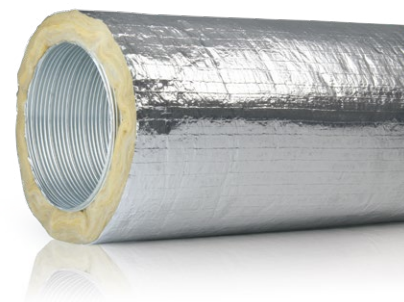
Description

FNTI:

Insulated flexible double layer aluminium duct

Material

Aluminium
Non-combustible mineral wool
Rokaflex Navytube NTI



Dimensions

Standard length 600 mm
(other lengths on request)

Technical data

Fire behaviour
Bending radius
Nominal diameter
Decrease of temperature

Non-combustible according to DIN 4102 Class A1
 $r_m = \text{approx. } 2,5 \times \varnothing D$
80 to 250 mm
with 25 mm Insulation 0,102 K / m
with 50 mm Insulation 0,063 K / m

Insulation 25 mm

$\varnothing d$ (mm)	$\varnothing D$ (mm)	Weight (kg / m)
80	132	0,7
100	157	0,8
125	187	1,0
160	207	1,2
180	230	1,4
200	257	1,5
250	307	1,8

Other dimensions available.

Insulation 50 mm

$\varnothing d$ (mm)	$\varnothing D$ (mm)	Weight (kg / m)
80	187	0,9
100	207	1,2
125	231	1,5
160	257	1,7
180	230	1,9
200	307	2,0
250	362	2,5

Other dimensions available.

Insulated

Uninsulated

Accessories

Description

EKI15:

Insulation Cover

Material

Galvanized sheet steel

Dimensions

Ød 80 to 200 mm

Item no.	Ød (mm)	ØD (mm)	Weight (kg)
EKI15 80	85	115	0,1
EKI15 100	105	135	0,1
EKI15 125	130	160	0,1
EKI15 160	165	195	0,1
EKI15 180	185	200	0,1
EKI15 200	205	235	0,2

Other dimensions available.



Ducts and fittings Uninsulated



Description

SREN:

Spiral duct

Material

Galvanized sheet steel

Dimensions

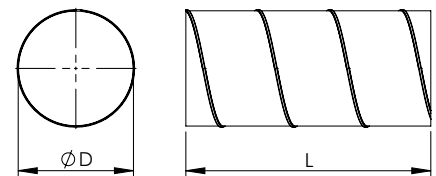
Ød 80 to 315 mm

Ød 250 mm and larger with stiffening corrugation

Standard length 3 m

Ød (mm)	Cross-section (m ²)	Weight (kg/m)
80	0,005	0,9
100	0,008	1,1
125	0,012	1,4
160	0,020	2,0
180	0,025	2,5
200	0,031	2,8
250	0,049	3,5
315	0,078	5,3

Other dimensions and length available.



Description

BD: Bend, pressed

Material

Galvanized sheet steel
EPDM rubber seal

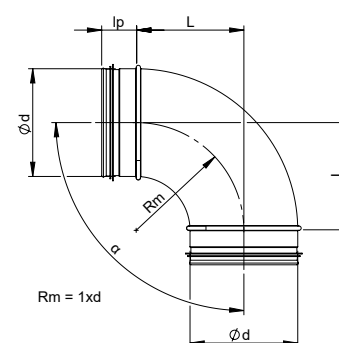
Dimensions

Ød 80 to 250 mm
Angle tolerance $\pm 2^\circ$

Ød (mm)	$\alpha 15^\circ$		$\alpha 30^\circ$	
	l (mm)	(kg)	l (mm)	(kg)
80	13	0,1	27	0,1
100	13	0,1	27	0,2
125	16	0,2	33	0,2
160	21	0,2	43	0,3
180	24	0,2	48	0,4
200	26	0,5	54	0,6

Ød (mm)	$\alpha 45^\circ$		$\alpha 90^\circ$	
	l (mm)	(kg)	l (mm)	(kg)
80	41	0,2	100	0,3
100	41	0,2	100	0,3
125	52	0,3	125	0,5
160	66	0,5	160	0,7
180	75	0,6	180	1,0
200	83	0,8	200	1,3
250	104	1,2	250	2,0

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

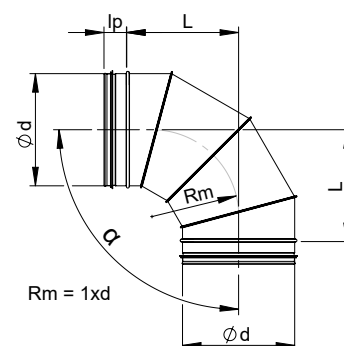
BSD: Bend, hand built in segments

Material

Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød 80 to 315 mm
Angle tolerance $\pm 2^\circ$



Ød (mm)	α 15°		α 30°		α 45°		α 60°		α 90°	
	l (mm)	(kg)	l (mm)	(kg)	l (mm)	(kg)	l (mm)	(kg)	l (mm)	(kg)
80	20	0,2	27	0,2	41	0,3	58	0,3	100	0,4
100	20	0,3	27	0,3	41	0,4	58	0,3	100	0,6
125	25	0,3	34	0,4	51	0,5	72	0,5	125	0,7
160	32	0,5	43	0,6	66	0,7	92	0,8	160	1,1
180	36	0,5	49	0,7	74	0,8	104	1,0	180	1,3
200	40	0,6	54	0,8	82	1,0	115	1,2	200	1,6
250	45	1,0	68	1,3	103	1,6	144	1,9	250	2,5
315	50	1,5	85	2,0	129	2,6	181	3,1	315	4,3

Other dimensions available.

Description

ERSD:

Offset
for connection with silencers and
sound attenuating spiral ducts

Material

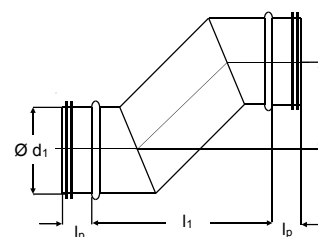
Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød₁ 100 to 200 mm

DN Ø d ₁	l ₁ (mm)	l ₂ (mm)	Weight (kg)
100	150	50	0,3
100	115	28	0,3
125	140	50	0,4
125	110	25	0,4
160	170	40	0,6
160	140	28	0,5
180	140	28	0,7
200	185	50	0,8
200	140	28	0,6

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

UD: Reducer male/male

Material

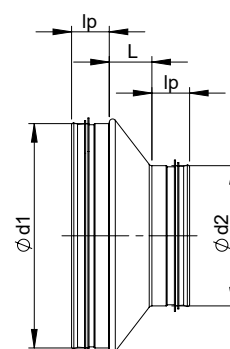
Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød₁ 80 to 315 mm

Ø d ₁ (mm)	Ø d ₂ (mm)	l (mm)	Weight ~ (kg)
100	80	19	0,1
125	80	23	0,2
	100	25	0,2
160	80	80	0,4
	100	44	0,3
	125	18	0,2
180	80	87	0,4
	100	40	0,3
	125	28	0,3
	160	10	0,3
200	80	87	0,5
	100	50	0,4
	125	53	0,4
	160	20	0,3
	180	20	0,3
250	100	130	0,8
	125	63	0,6
	160	45	0,4
	180	61	0,4
	200	25	0,4
315	125	165	1,6
	160	78	1,0
	180	117	1,5
	200	58	0,9
	250	33	0,8

Other dimensions available.



Description

UMND: Reducer female/male

Material

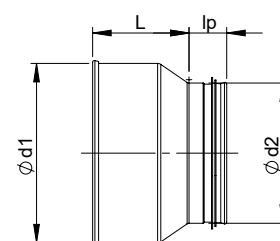
Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød₁ 100 to 315 mm

Ø d ₁ (mm)	Ø d ₂ (mm)	l (mm)	Weight ~ (kg)
100	80	58	0,2
125	80	95	0,3
125	100	60	0,3
160	80	105	0,5
160	100	80	0,5
160	125	64	0,4
200	100	100	0,6
200	125	85	0,6
200	160	80	0,5
250	160	110	0,9
250	200	73	0,9
315	200	110	1,0
315	250	115	1,0

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

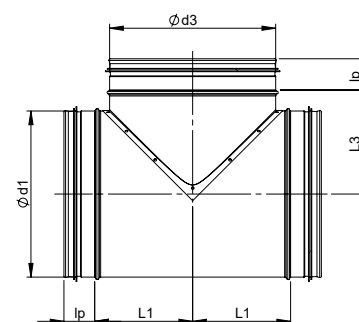
AD: T-Piece

Material

Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød₁ 100 to 315 mm



Ød ₁ (mm)	Ød ₃ (mm)	L (mm)	l ₃ (mm)	Weight (kg)
100	80	110	65	0,3
	100	130	65	0,3
125	80	110	77,5	0,5
	100	130	77,5	0,4
	125	165	82,5	0,4
160	80	110	95	0,5
	100	130	95	0,5
	125	165	100	0,5
	160	210	105	0,6
180	80	110	105	0,6
	100	130	105	0,8
	125	165	110	0,9
	160	210	115	1,2
200	180	230	115	1,3
	80	110	115	0,6
	100	130	115	0,9
	125	165	120	1,0
	160	210	125	0,7
	180	230	125	1,3
250	200	250	125	1,2
	100	130	140	1,2
	125	165	145	1,3
	160	210	150	1,2
	180	230	150	1,7
	200	250	150	1,3
315	250	300	150	1,6
	100	130	172,5	1,7
	125	165	177,5	1,8
	160	210	182,5	2,0
	200	250	182,5	2,4
	250	300	182,5	2,9
	315	330	182,5	3,4

Other dimensions available.

Description

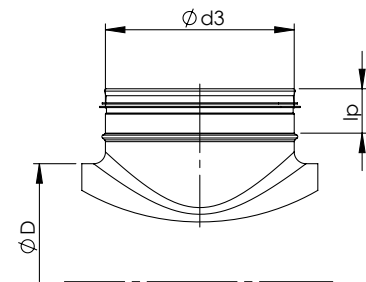
SSD: Saddle, pressed

Material

Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød₃ 80 to 315 mm



Ød ₃ (mm)	Ød (mm)	Weight (kg)
80	80	0,1
80	100	0,1
80	125	0,1
80	150 - 160	0,1
80	180 - 200	0,1
80	224 - 315	0,1
100	100	0,2
100	112 - 140	0,2
100	150 - 160	0,1
100	180 - 200	0,2
100	224 - 250	0,2
100	280 - 355	0,2
100	400 - 630	0,2
125	125	0,3
125	150 - 160	0,3
125	180 - 200	0,3
125	224 - 250	0,2
125	280 - 355	0,3
125	400 - 630	0,3
160	160	0,4
160	180 - 200	0,3
160	224 - 250	0,4
160	280 - 355	0,3
160	400 - 630	0,3

Ød ₃ (mm)	Ød (mm)	Weight (kg)
180	180	0,5
180	200	0,5
180	224 - 250	0,5
180	280 - 315	0,5
200	200	0,6
200	224 - 250	0,5
200	280 - 315	0,5
200	355 - 400	0,5
200	450 - 560	0,5
200	600 - 630	0,5
250	250	0,9
250	280 - 315	0,7
250	355 - 400	0,7
250	450 - 560	0,7
250	600 - 630	0,5
315	315	1,3
315	400	1,0
315	450 - 560	0,9
315	600 - 630	1,0

Other dimensions available.

Description

M: Female coupling

Material

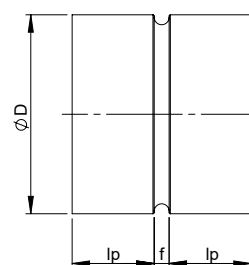
Galvanized sheet steel

Dimensions

Ød 80 to 710 mm

Ød (mm)	f (mm)	Weight (kg)
80	6	0,1
100	6	0,1
125	6	0,1
160	6	0,2
180	6	0,3
200	6	0,2
250	6	0,4
315	6	0,5

Other dimensions available.



Description

ND: Male coupling

Material

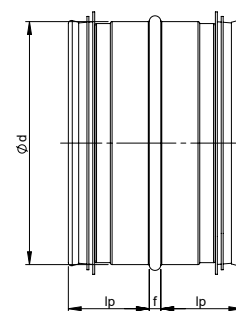
Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød 80 to 710 mm

Ød (mm)	f (mm)	Weight (kg)
80	6	0,1
100	6	0,1
125	6	0,2
160	6	0,2
180	6	0,3
200	6	0,3
250	6	0,4
315	6	0,5

Other dimensions available.



Description

- BKD:** Take-off male
- Material**
Galvanized sheet steel
EPDM rubber seal
- Dimensions**
Ød 80 to 710 mm
- BKF:** Take-off female
- Material**
Galvanized sheet steel
- Dimensions**
Ød 63 to 710 mm
- BKLD:** Take-off long type
- Material**
Galvanized sheet steel
EPDM rubber seal
- Dimensions**
Ød 80 to 710 mm
- BKD_45:** Take-off 45°
- Material**
Galvanized sheet steel
EPDM rubber seal
- Dimensions**
Ød 80 to 710 mm



Ød (mm)	L (mm)	Weight		
		BKD, BKDF (kg)	BKDL (kg)	BKD_45 (kg)
80	100	0,1	0,1	0,1
100	100	0,1	0,1	0,2
125	100	0,1	0,2	0,3
160	100	0,1	0,2	0,4
180	100	0,1	0,2	0,4
200	100	0,1	0,3	0,5
250	120	0,1	0,4	0,8
315	120	0,2	0,6	1,3

Other dimensions available.

Insulated

Uninsulated

Accessories

Description

AKD: Stop damper

Material

Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød 80 to 710 mm

AKDL: Closing damper

Material

Galvanized sheet steel
EPDM rubber seal
Blade with EPDM gasket

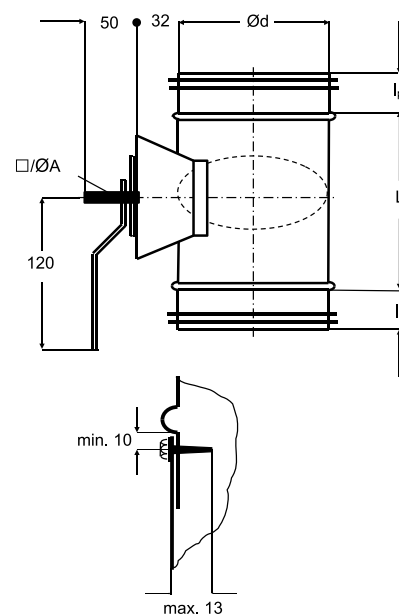
Dimensions

Ød 80 to 630 mm

Ød (mm)	L (mm)	A (mm)	M ¹ (Nm)	Weight (kg)
80	100	8 x 8	2	0,4
100	100	8 x 8	2	0,4
125	100	8 x 8	2	0,5
160	100	8 x 8	2	0,6
180	100	8 x 8	2	0,7
200	100	8 x 8	2	0,8
250	100	8 x 8	4	1,0
315	120	8 x 8	4	1,5

¹ Recommended minimum torque for actuators with closing damper AKDL.

Other dimensions available.



Description

Regulating damper with mounted actuator
The damper can be adjusted from 0-90°
The flap leaf has a free cross-section of approx. 35%
Available with nominal voltage AC/DC 24 V or AC 230 V

AKDS: Stop damper

Material

Galvanized sheet steel
EPDM rubber seal

Dimensions

Ød 80 to 710 mm



Insulated

Uninsulated

Accessories

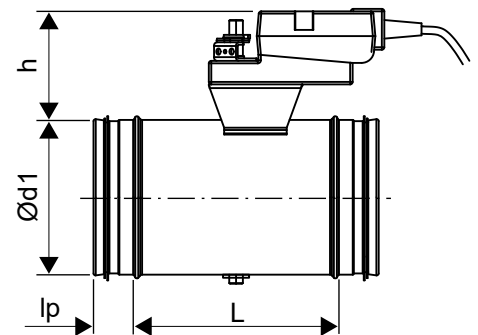
AKDLS: Closing damper

Material

Galvanized sheet steel
EPDM rubber seal
Blade with EPDM gasket

Dimensions

Ød 80 to 630 mm



Ød (mm)	L (mm)	A (mm)	M ¹ (Nm)	Weight (kg)
80	100	8 x 8	2	0,4
100	100	8 x 8	2	0,4
125	100	8 x 8	2	0,5
160	100	8 x 8	2	0,6
180	100	8 x 8	2	0,7
200	100	8 x 8	2	0,8
250	100	8 x 8	4	1,0
315	120	8 x 8	4	1,5

¹ Recommended minimum torque for actuators with closing damper AKDL.

Other dimensions available.

Description

RSDS50:

Silencer

Material

Galvanized sheet steel

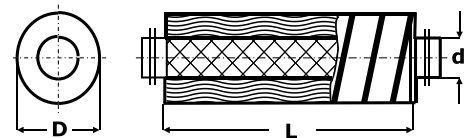
Non-combustible mineral wool (i. a. w. DIN 4102), ≈ 50 mm

Medium temperature up to 100 °C

Air speed up to 30 m/s

Dimensions

Ød 100 to 200 mm



Item no.	Ø d (mm)	Ø D (mm)	L (mm)	Weight (kg)
RSDS50 100 600	100	200	600	3,0
RSDS50 100 900	100	200	900	5,0
RSDS50 100 1200	100	200	1200	7,0
RSDS50 125 600	125	224	600	4,0
RSDS50 125 900	125	224	900	7,0
RSDS50 125 1200	125	224	1200	9,0
RSDS50 160 600	160	250	600	6,0
RSDS50 160 900	160	250	900	8,0
RSDS50 160 1200	160	250	1200	10,0
RSDS50 200 600	200	300	600	7,0
RSDS50 200 900	200	300	900	10,0
RSDS50 200 1200	200	300	1200	12,0

Other dimensions available.

Description

FNT:

Flexible double layer aluminium duct

Material

Aluminium

Dimensions

Ød 50 to 500 mm

Standard length 5 m



0736



Technical data

Fire behaviour	Non-combustible according to DIN 4102 Class A1	
Bending radius	$r_m = 0,6 \times d$	
Standard length	Compressed	1200 mm
	Expanded approx.	5000 mm
Nominal diameter	50 to 500 mm	
Leakage loss	Test pressure $1000\text{Pa} < 0,004 \times p_s^{0,65} \text{ (l x s}^{-1} \times \text{m}^{-2})$	

Positive and negative pressure with an operational length of 5.0 m:

Ød 50 to 140 mm	3200 Pa
Ød 150 to 224 mm	2500 Pa
Ød 250 to 315 mm	2000 Pa
Ød 355 to 400 mm	1600 Pa
> Ød 400 mm	800 Pa

Insulated

Uninsulated

Accessories

Description

SDKB: Baffle with partitioning panel

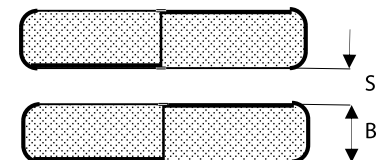
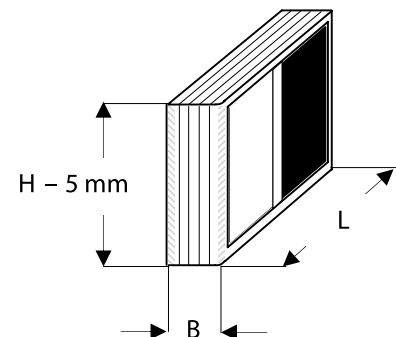
Material

Galvanized sheet steel

Non-combustible mineral wool
according to EN 13501-1 A1

Type	Width D (mm)	Height H (mm)	Length L (mm)
SDKB-100	100	150-1800	500, 750, 1000, 1250, 1500
SDKB-150	150	150-1800	500, 750, 1000, 1250, 1500
SDKB-200	200	150-1800	500, 750, 1000, 1250, 1500

More widths are available on request. The actual height H is available in 1 mm steps from 150 to 1800 mm.



Did you know?

The baffle type SDKB works according to the chamber absorption principle. Its aerodynamically shaped frame of galvanized sheet steel (stiffened by crimping) is highly energy-efficient. All frame edges are reversed to avoid the baffle filling to be damaged. The glass fibre fabric provides protection against abrasion at air velocities of up to 40 m/s.

Insertion loss, sound power level of air-regenerated noise as well as pressure drops measured according to DIN EN ISO 7235. The baffle shows inert behavior to fungi and/or bacteria growth and fulfills the hygiene requirements of VDI 6022 and VDI 3803 as well as of DIN 1946 part 2 and part 4. A baffle without partitioning panel is also available. (Type SDKG)

Description

KSDB:

Rectangular straight silencer
hygienic version with built-in energy-saving
baffle type SDKB

Material

Galvanized sheet steel
Non-combustible mineral wool (baffle)

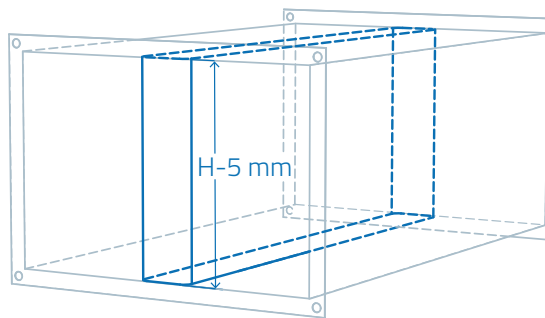
Other designs with perforated plate or
glass fabric are available.

Dimensions

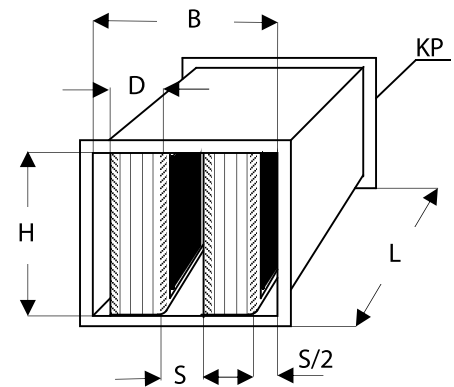
Download our new silencer dimensioning program **ROKADIM**
to find the best silencer for your project.

www.rokaflex.de/service/rokadim/

Height of baffle



→ For technical reasons the actual baffle height is
5 mm lower than the nominal height.



Order your sample now!
sample@rokaflex.de

Insulated

Uninsulated

Accessories

Insulated

Uninsulated

Accessoires




TVA

TVZ

TVEA

TVEZ

Description

Control valve for exhaust or supply air, wall or ceiling mounted, air flow easy to adjust

Material TVA/TVZ

Frame and cone made of powder-coated sheet steel

Frame with foam gasket

Separate 50 mm length mounting flange made from galvanized sheet steel

Material TVEA/TVEZ

Stainless steel

Colour

TVA, TVZ = white RAL 9010

TVAW, TVZW = white RAL 9016

TVEA, TVEZ = silver

Nom. size	Exhaust air Item no.	Volumetric flow (m³/h)	Δp_t (S=0 mm) (Pa)	L_{wa} (dB(A))	Supply air Item no.	Volumetric flow (m³/h)	Δp_t (S=12 mm) (Pa)	L_{wa} (dB(A))	Ø D (mm)	Ø C (mm)
80	TVA(W)80	100	55	30	TVZ(W)80	80	70	38	116	79
100	TVA(W)100	115	130	40	TVZ(W)100	100	46	40	140	99
125	TVA(W)125	180	134	40	TVZ(W)125	150	70	40	170	124
160	TVA(W)160	260	125	40	TVZ(W)160	240	100	40	210	159
200	TVA(W)200	350	95	40	TVZ(W)200	290	90	40	247	199

Nom. size	Exhaust air Item no.	Volumetric flow (m³/h)	Δp_t (S=0 mm) (Pa)	L_{wa} (dB(A))	Supply air Item no.	Volumetric flow (m³/h)	Δp_t (S=12 mm) (Pa)	L_{wa} (dB(A))	Ø D (mm)	Ø C (mm)
100	TVEA100	70	85	27	TVEZ100	70	30	26	140	99
125	TVEA125	100	50	23	TVEZ125	100	23	20	170	124
160	TVEA160	180	85	27	TVEZ160	180	45	28	202	159
200	TVEA200	360	100	33	TVEZ200	360	90	37	254	199

Insulated

Uninsulated

Accessories



TVSAW



TVSZW

Description

Control valve for exhaust or supply air, wall or ceiling mounted, air flow easy to adjust

Material TVSAW/TVSZW

Frame and cone made of powder-coated sheet steel

Frame with foam gasket

Separate 50 mm length mounting flange made from galvanized sheet steel

Colour

white

Nom. size	Exhaust air Item no.	Supply air Item no.
100	TVSAW100	TVSZW100
125	TVSAW125	TVSZW125
160	TVSAW160	TV SZW160
200	TVSAW200	TVSZW200

Description

ROD: Access door for installation in ducts with rubber gasket insulated version available on demand

Material

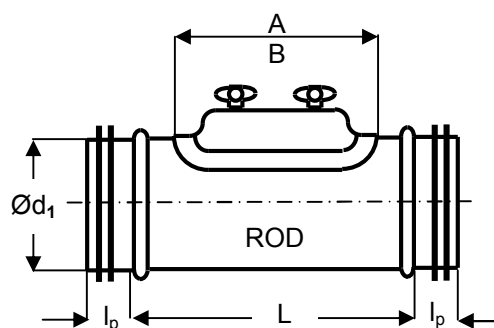
Galvanized sheet steel
EPDM rubber seal

Dimensions

dØ 100 to 400 mm

Size (mm)	dØ (mm)	L (mm)
180x80	100	250
180x80	125	250
200x100	160/180	270
200x100	200/224	270
200x100	250/280	270
200x100	315/355	270
300x200	355	270
300x200	400	400

Other dimensions available.



Description

RDRKS: Access door for spiral ducts, rotary knobs

Material

Galvanized sheet steel
EPDM rubber seal

Dimensions

dØ 100 to 400 mm

Size (mm)	dØ (mm)
180x80	100
180x80	125
200x100	160/180
200x100	200/224
200x100	250/280
200x100	315/355
300x200	355
300x200	400

Other dimensions available.



Insulated

Uninsulated

Accessories

Description

RSE: Duct clamps, one-part for suspension of spiral duct systems with locking- and connection holes

Material

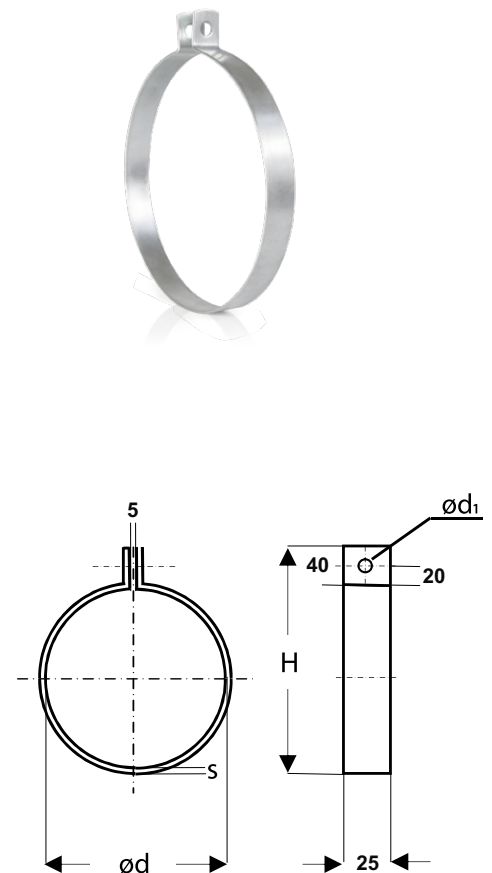
Sendzimir-galvanized steel

Dimensions

dØ 80 to 315 mm

Ød (mm)	s (mm)	Ød ₁ (mm)	Ød (mm)	s (mm)	Ød ₁ (mm)
80	2	9.5	112*	2	9.5
100	2	9.5	132*	2	9.5
125	2	9.5	157*	2	9.5
160	2	9.5	192*	2	9.5
180	2	9.5	232*	2	9.5
200	2	9.5			
250	2	9.5			
315	2	10.5			

*For insulated ducts



Description

RSZG: Duct clamps, two-parts, locked with screws for suspension of spiral duct systems

Material

Sendzimir-galvanized steel
EPDM rubber inlay

Dimensions

Ød 80 to 315 mm

Ød (mm)	Connection thread	Material cross section
80	M 8 / M 10	20 x 2,0
100	M 8 / M 10	20 x 2,0
125	M 8 / M 10	20 x 2,0
160	M 8 / M 10	20 x 2,0
180	M 8 / M 10	20 x 2,0
200	M 8 / M 10	20 x 2,0
250	M 8 / M 10	20 x 2,0
315	M 8 / M 10	20 x 2,0

Other dimensions available.



Duct flanges
Split corners
Corner clamps
Flexible connectors
Insulation pins
Drain fittings
Access doors for rectangular ducts
Drilling screws
Double threaded screws
Hexagon bolts
Universal-holders with shock-absorber
Shock-absorbers
Profile hangers
Beam clamps
Threaded rods
Connection nuts
Hexagon nuts
Washers
Sealing compounds
Aluminium tapes
Fabric tapes
Cold shrinking tapes
PVC tapes
Sealing tapes
Sealing plugs
Actuators

**EVEBSK****AKB****CAP****SGSS2A**

Insulated

Uninsulated

Accessories



Rokaflex GmbH
Waldweg 2
22145 Braak

Tel. +49 40 66 85 93-0
Fax +49 40 66 85 93-22

www.rokaflex.de

Marine Air Duct Systems