



NORDduct-Special

Round duct system - Galvanized 1,2 mm

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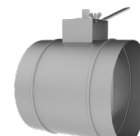
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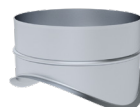
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NSK-S

Take-off

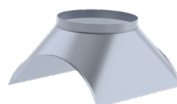
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NPSV-S

Take off, seamed

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General

Material thickness $s=1,2$ mm.

Duct components manufactured from 1.2 mm hot-dip galvanized steel sheet are not equipped with a rubber gasket, and their connection dimensions do not comply with the tolerances specified in the standard EVS-EN 1506:2007.

Product codes

For standard products, markings include product type and measurements. Measurements are in millimetres (mm).

Example: NI-S 1.2 200 Inner coupling

Marking, dimensions, and tolerances

d – indicates the inner diameter of the duct and the internal diameter of the outer connector

d_1 , d_2 , d_3 ja d_4 – outer diameter of part

l , l_1 , and l_3 – the actual length of the duct component, which is added to the total length of the ventilation system

L – length of direct duct

l_p – overall length

Tolerance for measurements l , r , r_m , s

Measurements l , r , r_m , s (mm)	Tolerance (mm)
≥ 15	+0 -2
$> 15 \leq 100$	+0 -5
> 100	+0 -10

Overall length l_p

Nominal size (mm)	l_p (mm)
100-200	30
250-400	50
500-630	61
800	96
1000-1250	110

Tolerance for duct length L is $0,005 L$.

Tolerance for angle is 2° .

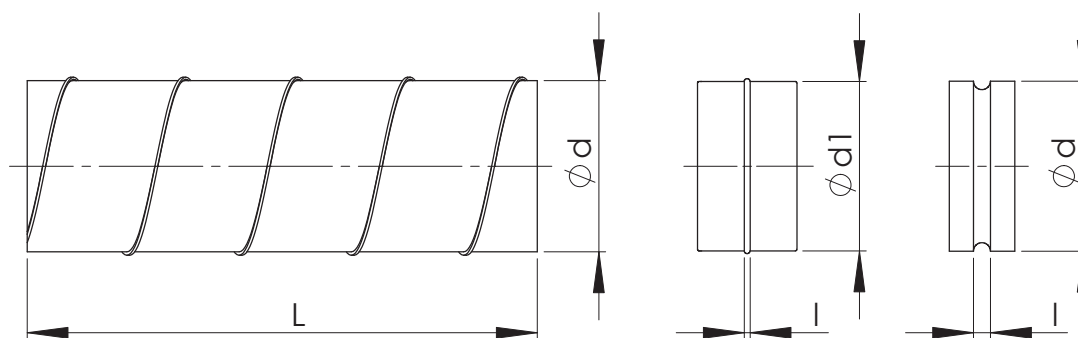


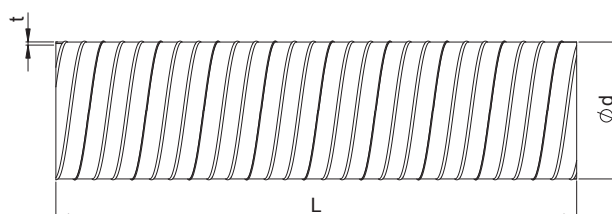
Table 1. Tolerance for ducts and parts

Nominal size, d, mm	Duct inner diameter	Tolerance	Part outer diameter	Tolerance
100	100,0.....100,5	0,5	97,4.....97,9	0,5
125	125,0.....125,5	0,5	122,4.....122,9	0,5
160	160,0.....160,6	0,6	157,3.....157,9	0,6
200	200,0.....200,7	0,7	197,2.....197,9	0,7
250	250,0.....250,8	0,8	247,1.....247,9	0,8
315	315,0.....315,9	0,9	312,0.....312,9	0,9
400	400,0.....401,0	1,0	397,3.....398,3	1,0
500	500,0.....501,1	1,1	497,2.....498,2	1,1
630	630,0.....631,2	1,2	627,1.....628,3	1,2
800	800,0.....801,6	1,6	797,0.....798,3	1,3
1000	1000,0.....1002,0	2,0	997,5.....998,9	1,4
1250	1250,0.....1252,5	2,5	1247,4.....1248,9	1,5

NTO-S 1,2 Spiral duct

NTO spiral ducts are made of galvanized steel sheet.
Standard duct lengths are 3 m and 6 m.

Nominal size (mm)	Weight (kg/m)
100	3,0
125	3,7
160	4,7
200	5,9
250	7,4
315	9,3
400	11,8
500	14,8
630	18,6
800	23,7
1000	29,6
1250	37,0



Duct profiles

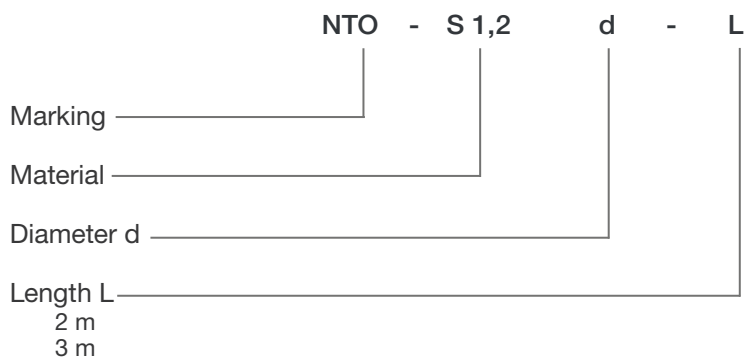
Measurements 100-250 mm



Measurements 315-1250 mm



Product codes



Example: NTO-S 1,2 315-3

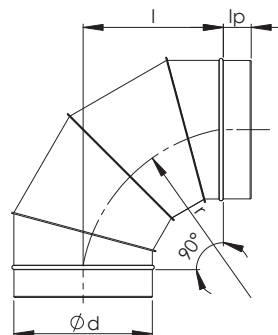
NV-S 1,2 Bend

Ventilation system bend, made of rolled sectors. $r=1*d$.

Bends with dimensions 100–125 mm are spot-welded.

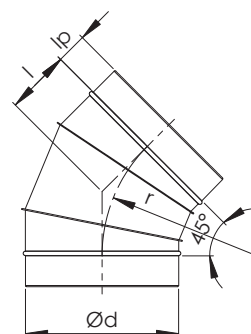
NV 90°

Nominal size d	l (mm)	Weight (kg)
100	100	0,73
125	125	1,06
160	160	1,63
200	200	2,42
250	250	3,92
315	315	5,92
400	400	9,15
500	500	14,15
630	630	21,74
800	800	35,85
1000	1000	55,18
1250	1250	83,89



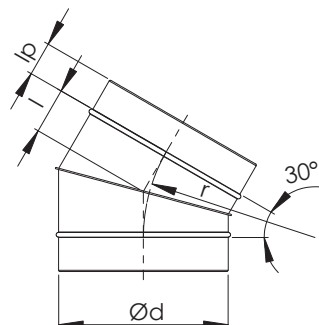
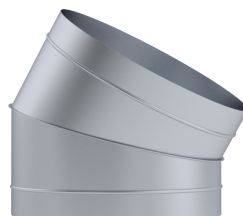
NV 45°

Nominal size d	l (mm)	Weight (kg)
100	40	0,49
125	50	0,69
160	65	1,02
200	80	1,46
250	105	2,43
315	130	3,55
400	165	5,31
500	205	8,15
630	260	12,20
800	330	20,47
1000	415	31,14
1250	520	46,30

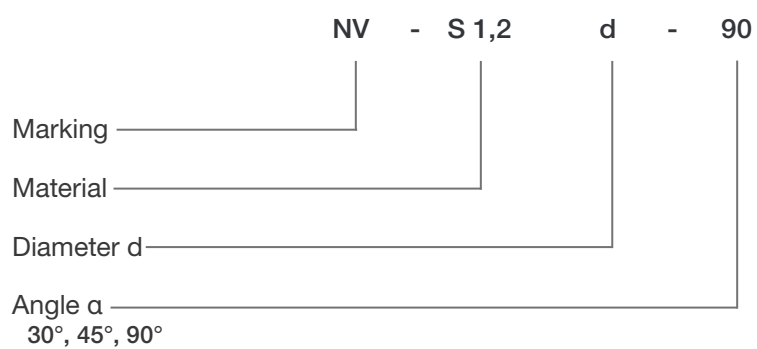


NV 30°

Nominal size d	l (mm)	Weight (kg)
100	27	0,41
125	34	0,57
160	43	0,82
200	54	1,16
250	65	1,95
315	84	2,79
400	108	4,08
500	135	6,23
630	169	9,15
800	215	15,55
1000	269	23,45
1250	335	34,28



Product codes

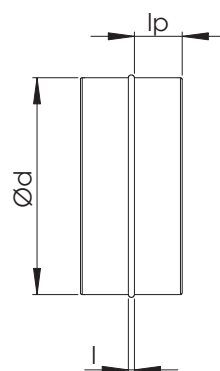


Example: NV-S 1,2 315-90

NI-S 1,2 Coupling

Inner coupling for connecting ventilation ducts.

Nominal size d	l (mm)	Weight (kg)
100	5	0,21
125	5	0,33
160	5	0,42
200	5	0,53
250	7	0,38
315	7	1,24
400	7	1,51
500	7	2,31
630	7	2,91
800	16	5,70
1000	16	8,91
1250	16	13,93



Product codes

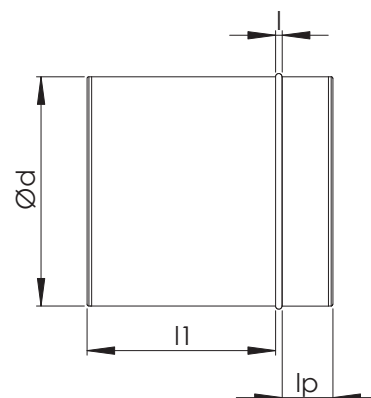
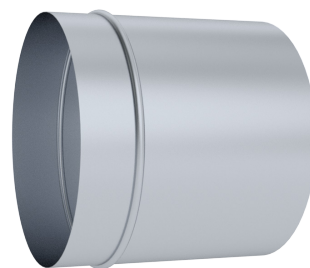
	NI	- S 1,2	d
Marking			
Material			
Diameter d			

Example: NI-S 1,2 315

NIL-S 1,2 Long coupling

Long inner coupling for connecting ventilation ducts where adjustment at the joint is required.

Nominal size d	l_1 (mm)	l (mm)	Weight (kg)
100	159	5	0,09
125	159	5	0,10
160	159	5	0,13
200	159	5	0,16
250	202	7	0,29
315	202	7	0,36
400	202	7	0,45
500	301	7	0,78
630	301	7	0,98
800	475	16	1,70
1000	480	16	2,55
1250	480	16	3,19



Product codes

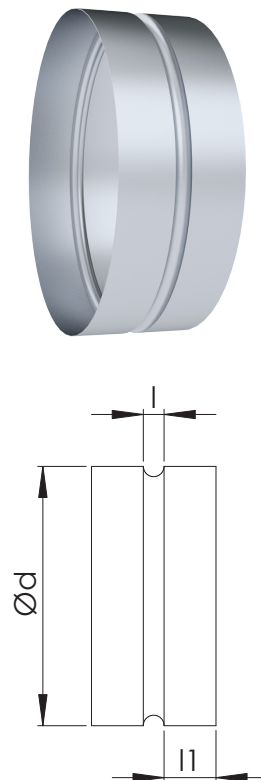
	NIL	-	S 1,2	d
Marking	_____	_____	_____	_____
Material	_____			
Diameter d	_____			

Example: NIL-S 1,2 315

NM-S 1,2 Female coupling

Designed for connecting different ventilation components.

Nominal size d	l_1 (mm)	l (mm)	Weight (kg)
100	35	10	0,04
125	35	10	0,05
160	35	10	0,06
200	35	10	0,08
250	50	10	0,12
315	50	10	0,16
400	70	10	0,26
500	78	14	0,37
630	78	14	0,46
800	111	13	0,78
1000	111	13	0,98
1250	111	13	1,22



Product codes

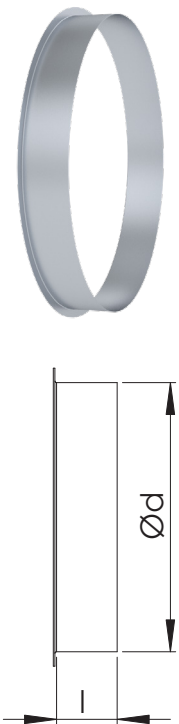
	NM	-	S 1,2	d
Marking	_____	_____	_____	_____
Material	_____			
Diameter d	_____			

Example: NM-S 1,2 315

NSK-S 1,2 Take-off

Straight take-off.

Nominal size d	l (mm)	Weight (kg)
100	40	0,16
125	40	0,20
160	40	0,25
200	40	0,31
250	43	0,39
315	43	0,49
400	55	0,62
500	55	0,77
630	55	0,97
800	80	1,23
1000	97	1,54
1250	97	1,92



Product codes

NSK

-

S 1,2

d

Marking

Material

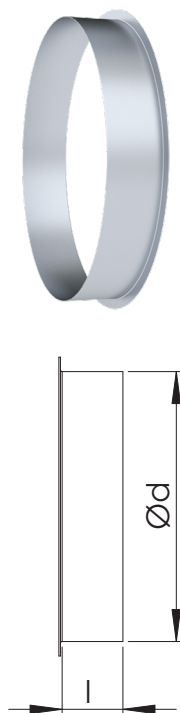
Diameter d

Example: NSK-S 1,2 315

NSKM-S 1,2 Take-off

Take-off with female end.

Nominal size d	l (mm)	Weight (kg)
100	40	0,20
125	40	0,23
160	40	0,30
200	40	0,37
250	61	0,61
315	61	0,76
400	76	1,14
500	74	1,42
630	74	1,79
800	114	3,17
1000	114	3,95
1250	114	4,94



Product codes

NSKM - S 1,2

d

Marking

Material

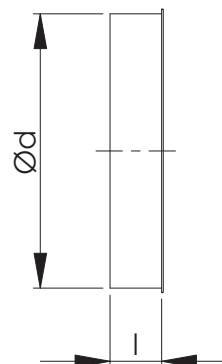
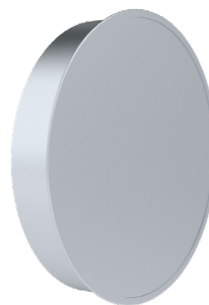
Diameter d

Example: NSKM-S 1,2 315

NAL-S 1,2 End cap

End cap for duct.

Nominal size d	l (mm)	Weight (kg)
100	30	0,22
125	30	0,30
160	30	0,43
200	30	0,60
250	40	0,92
315	40	1,32
400	55	2,02
500	55	3,04
630	55	4,45
800	82	7,66
1000	96	11,34
1250	96	17,37



Product codes

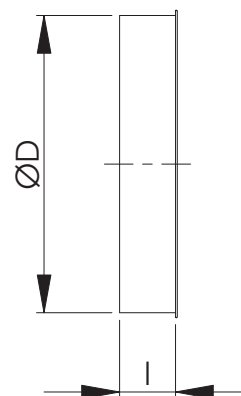
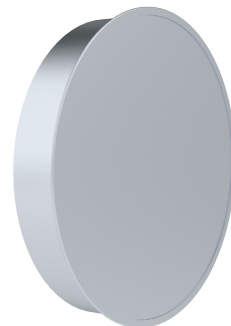
	NAL	-	S 1,2	d
Marking				
Material				
Diameter d				

Example: NAL-S 1,2 315

NALM-S 1,2 End cap

End cap with female end.

Nominal size d	l (mm)	Weight (kg)
100	42	0,10
125	42	0,13
160	42	0,19
200	42	0,26
250	42	0,44
315	42	0,73
400	60	1,16
500	75	1,63
630	75	2,73
800	101	4,43
1000	115	7,50
1250	115	10,92



Product codes

NALM - S 1,2 d

Marking	_____	_____	_____
Material	_____	_____	_____
Diameter d	_____	_____	_____

Example: NALM-S 1,2 315

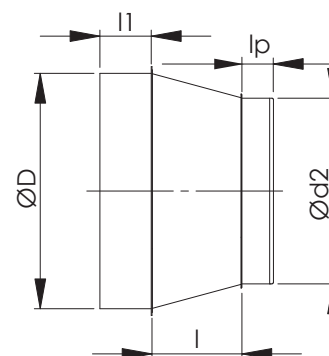
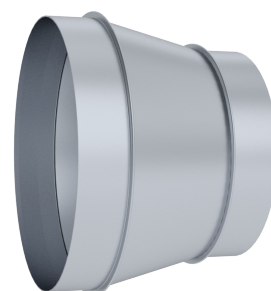
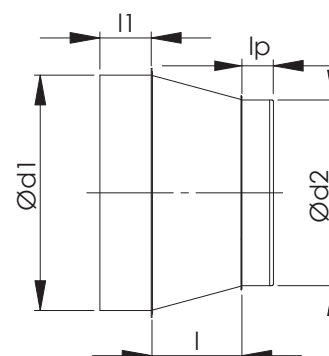
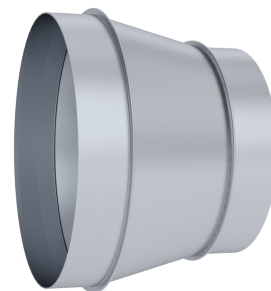
NFCV/NFCVM-S 1,2 Reducer, concentric

Concentric reducer is designed for connection of different ventilation components.

NFCV - Concentric reducer (fitting/fitting)

NFCVM - Concentric reducer (duct/fitting)

Nominal size $d_1/D-d_2$	l (mm)	Weight (kg)
125-100	65	0,50
160-100	110	0,53
160-125	80	0,60
200-100	116	0,79
200-125	105	0,80
200-160	90	0,76
250-100	230	1,74
250-125	200	1,70
250-160	150	1,53
250-200	100	1,30
315-125	305	2,67
315-160	245	2,53
315-200	190	2,27
315-250	120	1,85
400-160	365	4,11
400-200	310	3,85
400-250	240	3,48
400-315	155	2,78
500-200	450	6,08
500-250	380	5,70
500-315	290	4,95
500-400	180	3,99
630-250	400	7,34
630-315	400	7,69
630-400	360	7,61
630-500	250	6,32
800-400	500	12,14
800-500	460	12,05
800-630	280	9,09
1000-400	500	15,32
1000-500	500	15,83
1000-630	500	16,50
1000-800	325	13,27
1250-500	800	27,09
1250-630	800	18,24
1250-800	660	26,18
1250-1000	400	19,45



Product codes

NFCV - S 1,2 d1/D / d2

Marking _____	_____	_____	_____
NFCV - reducer (fitting/fitting) NFCVM - reducer (duct/fitting)			
Material _____	_____	_____	_____
Diameter d1 or D _____	_____	_____	_____
Diameter d2 _____	_____	_____	_____

Example: **NFCV-S 1,2 500/400**
 NFCVM-S 1,2 500/400

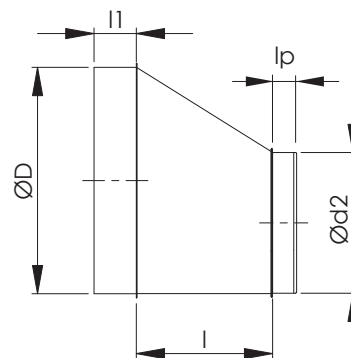
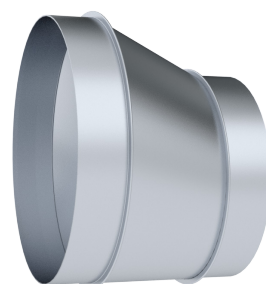
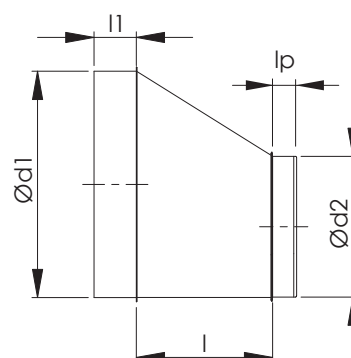
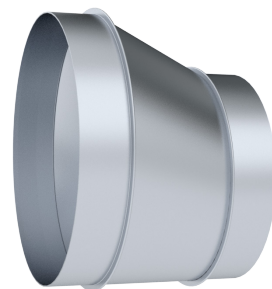
NFB/NFBM-S 1,2 Reducer, eccentric

Eccentric reducer is designed for connection of different ventilation components.

NFB - Eccentric reducer (fitting/fitting)

NFBM - Eccentric reducer (duct/fitting)

Nominal size $d_1/D-d_2$	l (mm)	Weight (kg)
125-100	65	0,44
160-100	110	0,15
160-125	80	0,53
200-100	170	0,44
200-125	140	0,66
200-160	90	0,68
250-100	230	1,15
250-125	200	0,94
250-160	150	1,11
250-200	100	1,05
315-125	290	1,63
315-160	245	1,61
315-200	190	1,54
315-250	120	1,50
400-160	365	2,99
400-200	310	2,88
400-250	240	2,75
400-315	155	2,44
500-200	450	4,45
500-250	380	4,31
500-315	290	3,98
500-400	180	3,50
630-250	400	5,51
630-315	400	5,75
630-400	360	5,81
630-500	250	5,30
800-400	500	9,48
800-500	460	9,65
800-630	280	8,10
1000-400	500	13,34
1000-500	500	13,88
1000-630	500	14,43
1000-800	325	13,82
1250-500	800	23,99
1250-630	800	24,92
1250-800	660	24,11
1250-1000	400	19,61



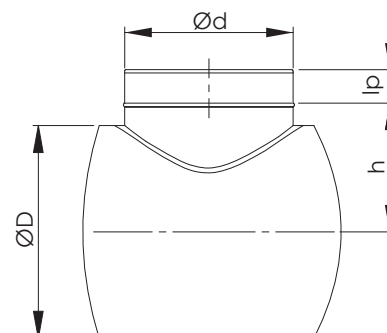
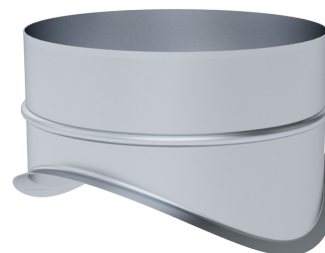
Product codes

	NFB	-	S 1,2	d1/D	/	d2
Marking	_____		_____	_____		_____
NFB	- reducer (fitting/fitting)					
NFBM	- reducer (duct/fitting)					
Material	_____		_____	_____		_____
Diameter d1 or D	_____		_____	_____		_____
Diameter d2	_____		_____	_____		_____

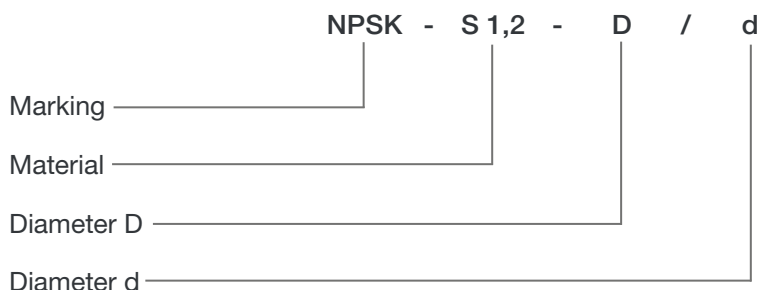
Example: NFB-S 1,2 500/400
 NFBM-S 1,2 500/400

NPSK-S 1,2 Take-off, narrow edge

Nominal size D-d	h (mm)	Weight (kg)
100-100	75	0,08
125-100	88	0,06
125-125	88	0,10
160-100	105	0,06
160-125	105	0,08
160-160	105	0,22
200-100	125	0,06
200-125	125	0,08
200-160	125	0,20
200-200	125	0,20
250-125	150	0,07
250-160	150	0,16
250-200	150	0,19
250-250	152	0,28
315-160	183	0,18
315-200	183	0,17
315-250	185	0,48
315-315	185	0,39
400-200	225	0,16
400-250	227	0,37
400-315	227	0,68
500-100	275	0,05
500-125	275	0,07
500-160	275	0,17
500-200	275	0,15
500-250	277	0,34
500-315	277	0,53
630-100	340	0,05
630-125	340	0,07
630-160	340	0,17
630-200	340	0,15
630-250	342	0,32
630-315	342	0,53
800-250	427	0,08
800-315	427	0,08



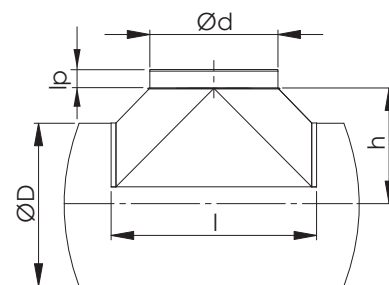
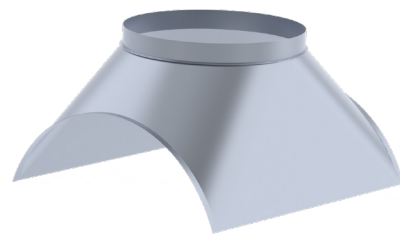
Product codes



Example: NPSK-S 1,2 500/400

NPSV-S 1,2 Take-off (seamed)

Nominal size D-d	l (mm)	l _p (mm)	h (mm)	Weight (kg)
400-400	625	47	300	4,2
500-400	635	47	355	4,6
500-500	720	62	350	5,6
630-400	634	47	410	4,6
630-500	733	62	370	6,8
630-630	866	62	420	8,2
800-400	636	47	505	5,0
800-500	720	62	510	6,6
800-630	850	62	520	8,9
800-800	1059	96	520	12,4
1000-500	713	62	600	7,1
1000-630	845	62	600	10,4
1000-800	1042	96	610	14,5
1000-1000	1252	110	670	22,0
1250-630	849	62	900	15,8
1250-800	1082	96	760	13,0
1250-1000	1251	110	765	21,6
1250-1250	1560	110	775	31,7



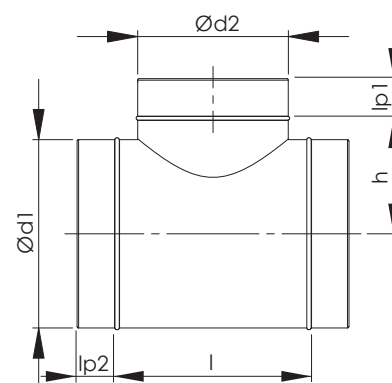
Product codes

	NPSV	-	S 1,2	D	/	d
Marking						
Material						
Diameter D						
Diameter d						

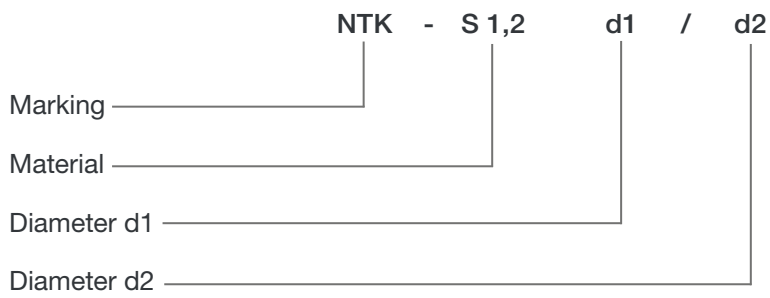
Example: NPSV-S 1,2 500/400

NTK-S 1,2 T-piece

Nominal size d_1-d_2	l (mm)	h (mm)	Weight (kg)
100-100	168	75	0,83
125-100	168	88	1,06
125-125	185	88	1,21
160-100	168	105	1,35
160-125	210	105	1,56
160-160	225	105	1,91
200-100	175	125	1,70
200-125	210	125	1,97
200-160	308	125	2,41
200-200	276	125	3,38
250-100	175	150	2,13
250-125	198	150	2,47
250-160	298	150	3,00
250-200	306	150	2,49
250-250	296	152	2,73
315-100	175	183	2,69
315-125	220	183	3,13
315-160	256	183	3,82
315-200	306	183	4,43
315-250	398	185	5,47
315-315	363	185	6,16
400-100	175	225	3,43
400-125	225	225	3,99
400-160	266	225	4,85
400-200	300	225	5,66
400-250	350	227	6,87
400-315	450	227	8,40
500-100	175	275	4,29
500-125	225	275	5,00
500-160	266	275	6,07
500-200	300	275	7,12
500-250	350	277	8,61
500-315	450	277	10,43
630-100	207	340	5,41
630-125	225	340	6,32
630-160	266	340	7,65
630-200	360	340	9,01
630-250	400	342	10,88
630-315	450	342	13,18
800-250	405	427	20,97
800-315	450	427	20,85



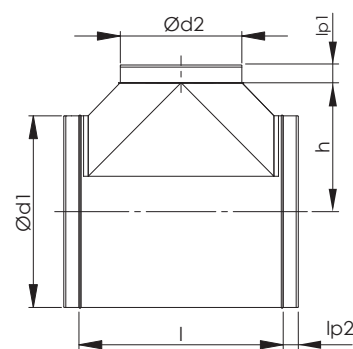
Product codes



Example: NTK-S 1,2 500/400

NTKV-S 1,2 T-piece

Nominal size d1-d2	l (mm)	l _p (mm)	h (mm)	Weight (kg)
400-400	625	47	300	7,11
500-400	635	47	355	8,12
500-500	720	62	350	9,90
630-400	634	47	410	7,62
630-500	733	62	370	12,01
630-630	866	62	420	14,63
800-400	636	47	505	10,61
800-500	720	62	510	13,35
800-630	850	62	520	17,14
800-800	1059	96	520	22,59
1000-500	713	62	600	15,46
1000-630	845	62	600	20,57
1000-800	1042	96	610	27,04
1000-1000	1252	110	670	37,32
1250-630	849	62	900	28,26
1250-800	1082	96	760	28,35
1250-1000	1251	110	765	40,36
1250-1250	1560	110	775	54,71



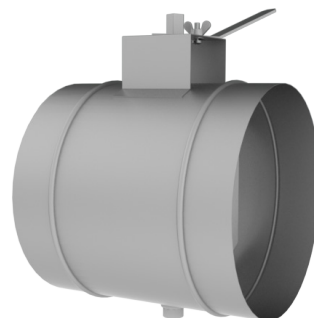
Product codes

	NTKV	-	S 1,2	d1	/	d2
Marking						
Material						
Diameter d1						
Diameter d2						

Example: NTKV-S 1,2 500/400

KROS-S 1,2 Regulating damper

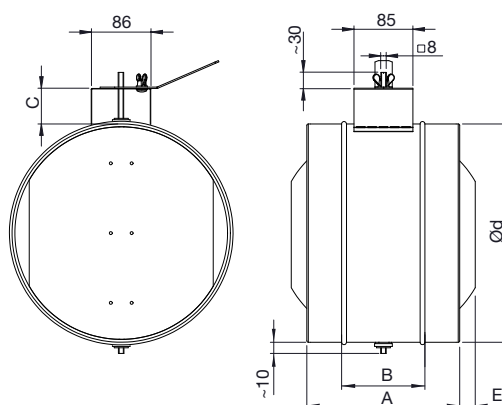
Damper for regulating air flow in round duct systems.



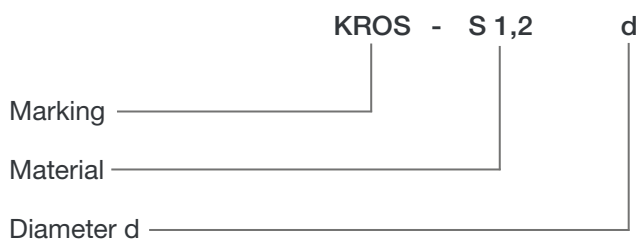
Structure and dimensions

Damper's body and blade are made of galvanized steel sheet. Bushings are made of polyamide (max +150°C).

Nominal size d (mm)	A (mm)	B (mm)	C (mm)	E (mm)	Weight (kg)
100	155	95	33	-	0,63
125	155	95	39	-	0,75
160	155	95	44	-	0,92
200	155	95	46	-	1,15
250	220	120	49	-	1,76
315	220	120	50	25	2,31
400	220	120	52	48	4,31
500	255	130	53	73	4,38
630	255	130	53	138	6,27



Product codes



Example: KROS-S 1,2 315

Installation

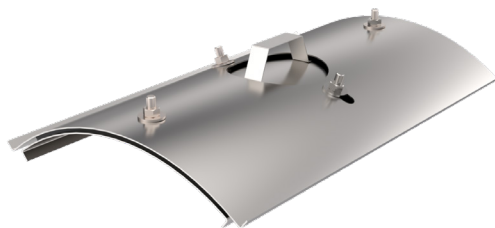
The damper is connected to the duct and secured with rivets according to NORDduct installation instructions.

TLP-S 1,2 Maintenance door

TLP maintenance door is a quickly and easily mountable door for round ventilation conduits Ø100-1250mm.

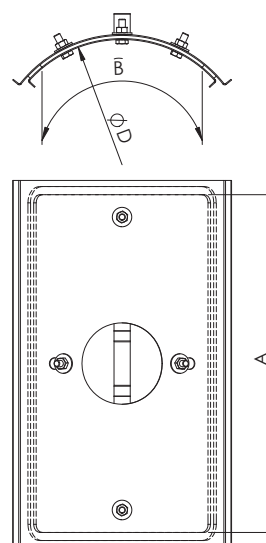
Maintenance doors are manufactured of galvanized steel sheet and equipped with rubber gaskets.

Maintenance doors comply with tightness class C requirements according to standard EVS-EN 12237:2003.



Measurements

Nominal size D (mm)	Opening size (mm)	
	A	B
100	200	100
125	200	100
160	200	100
200	400	100
250	400	200
315	400	200
400	400	200
500	400	200
630	500	400
800	500	400
1000	500	400
1250	500	400



Product codes

	TLP	-	S 1,2	d
Marking				
Material				
Diameter d				

Example: TLP-S 1,2 315

Accessories

When installing ductwork made of special materials in a C4 environment, we recommend using fastening accessories made of the same material, whenever possible.

For products with a zinc-magnesium (ZM) coating, aluminium rivets and screws are suitable for use. For suspension, powder-coated galvanized steel products are suitable. If the surface of painted products is damaged on site due to cutting or in any other way, the damaged areas must be re-coated with a suitable protective layer. We recommend using a special acrylic lacquer with active corrosion protection, such as RUST STOP.

In situations where different metals are used together, for example acid-proof steel and galvanized steel, they must be separated with an ageing-resistant material (e.g. an EPDM gasket) to prevent electrolytic corrosion.

More information about powder coating and the compatibility of fastening accessories with the base material can be found in the ETS NORD materials information sheet.

TK Clamp

Ø 100-1250
AISI316
Z275
RAL



TKM M8 Clamp

Ø 100-400



TKV Clamp

Ø 100-630



TKR Wall Clamp

Ø 100-630
AISI316
Z275
RAL



TKF Wall Clamp

Ø 100-630



TKP Adjust Clamp

Ø 100-630



TKT Wall Clamp/Console

Ø 100-630



Rivet

AISI316 (A4)
3,2x8
3,2x10



Blind Rivet ALU

3,2x8
3,2x10



Self-drilling Screw

AISI316 (A4)
SUS302HQ (Bi-metal) 4,2x16





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Let's move the air together!