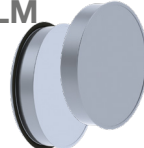
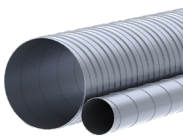
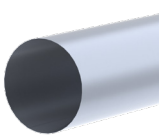
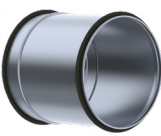
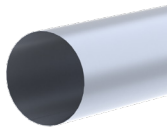
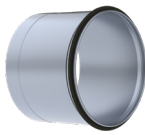
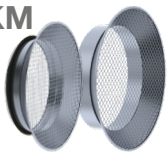
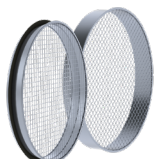
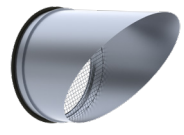
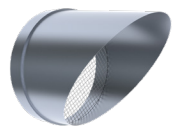
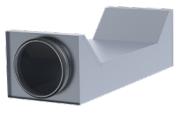
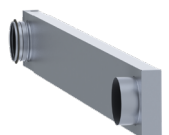




NORDduct

Round duct system

Contents

General 3	NVKM 15 	NAL/NALM 24/25 	NTK 34 
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General

NORDduct system includes spiral ducts, bends, couplings, reducers, take-offs, tees, end caps and intakes. NORDduct round ducts and parts are manufactured according to the standard EVS-EN 1506:2007. NORDduct ducts and parts meet tightness class D requirements (according to standard EN 16798-3, air tightness class ATC 2) provided that the products are assembled according to instructions.

NORDduct ducts and parts are cleanliness classified M1.
For documentation, see our home pages at www.etsnord.com.



SC0183-10



Produkten finns med
i SundaHus Miljödata

Materials

NORDduct round duct parts are manufactured of galvanized steel sheet, coated with minimum thickness of zinc inside and out of 275 g/m².

Standard products are manufactured of material with the thickness of:

- 0,5 mm, when $d \leq 320$ mm
- 0,7 mm, when $d > 320$ mm
- 0,9 mm, when $800 < d \leq 1250$ mm
- 1,0 mm, when $d > 1250$ mm

Product codes

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

Example: NI 200 Inner coupling (standard)

Measurements and tolerances

- d – inner diameter of duct
- d1, d2, d3 and d4 – outer diameter of part
- l, l1, and l3 – length of part
- L – length of direct duct
- lp – overall length

Tolerance for measurements l, r, rm, s

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

Overall length lp

Nominal size, mm	l (mm)
100-200	30-35
250-400	50
500-630	61
800	96
1000-1600	110

Tolerance for duct length L is 0,005L.

Tolerance for angle is 2°.

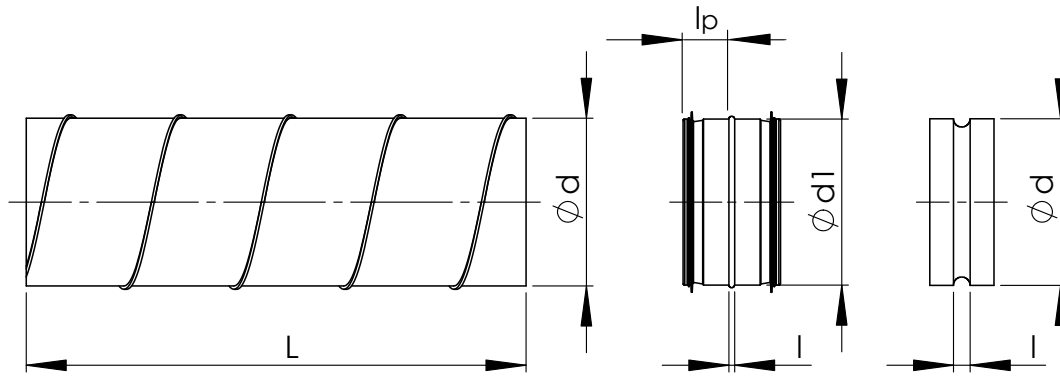


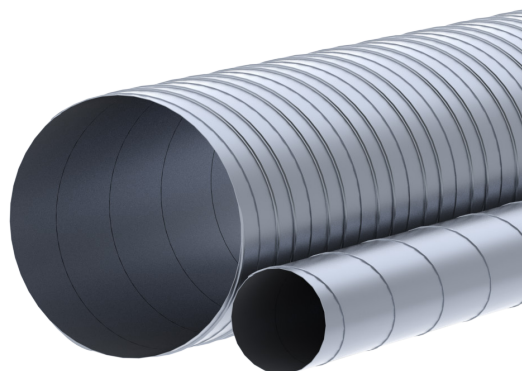
Table 1. Tolerance for ducts and parts (standard EN 1506:2007)

Nominal size, d (mm)	Duct inner diameter $\varnothing d$	Tolerance	Part outer diameter $\varnothing d1$	Tolerance
100	100,0.....100,5	0,5	98,8.....99,3	0,5
125	125,0.....125,5	0,5	123,8.....124,3	0,5
160	160,0.....160,6	0,6	158,7.....159,3	0,6
200	200,0.....200,7	0,7	198,6.....199,3	0,7
250	250,0.....250,8	0,8	248,5.....249,3	0,8
315	315,0.....315,9	0,9	313,4.....314,3	0,9
400	400,0.....401,0	1,0	398,3.....399,3	1,0
500	500,0.....501,1	1,1	498,2.....499,3	1,1
630	630,0.....631,2	1,2	628,1.....629,3	1,2
800	800,0.....801,6	1,6	798,0.....799,3	1,3
1000	1000,0.....1002,0	2,0	997,9.....999,3	1,4
1250	1250,0.....1252,5	2,5	1247,8.....1249,3	1,5
1600	1600,0.....1603,0	3,0	1597,5.....1599,3	1,8

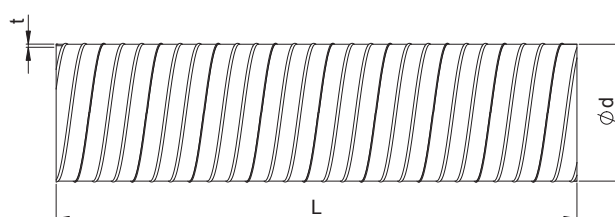
NTO Spiral duct

NTO spiral ducts are manufactured of galvanized steel. Standard lengths are 3 m and 6 m. Ducts can also be manufactured of other materials and in other material thicknesses.

Spiral ducts meet the requirements for cleanliness class M1 and tightness class D.



Nominal size d	Material thickness t (mm)	Weight (kg/m)
80	0,5	0,9
100	0,5	1,3
125	0,5	1,6
160	0,5	2,1
200	0,5	2,6
250	0,5	3,2
315	0,5	3,9
400	0,7	7,9
500	0,7	10,0
630	0,7	12,0
800	0,7	15,2
1000	0,9	25
1250	0,9	31
1600	1,0	45



Duct profiles

Measurements 100-250 mm



Measurements 315-1250 mm



Product codes

	NTO	d	-	L
Marking				
Diameter d (mm)				
Length L				
3 m				
6 m				

Example: NTO 315-3

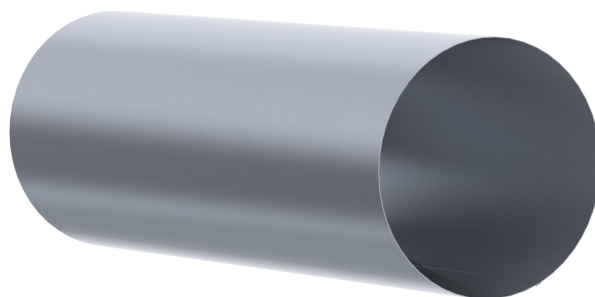
NTOP Ventilatsioon duct (welded)

Round horizontally welded duct.

NTOP duct is manufactured of galvanized steel sheet.

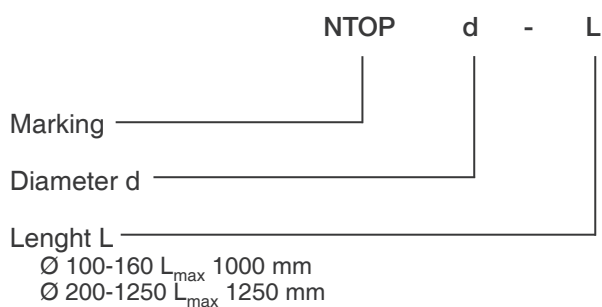
Ducts can also be manufactured of other materials and in other material thicknesses (max. 0,9 mm).

Duct sizes Ø 100-160 mm maximum length 1000 mm and sizes Ø 200-1250 mm maximum length 1250 mm.



Nominal size d	Material thickness t (mm)	Weight (kg/m)
100	0,5	1,3
125	0,5	1,6
160	0,5	2,0
200	0,5	2,5
250	0,5	3,1
315	0,5	3,9
400	0,7	7,0
500	0,7	8,7
630	0,7	10,9
800	0,7	13,9
1000	0,9	22,3
1250	0,9	27,8

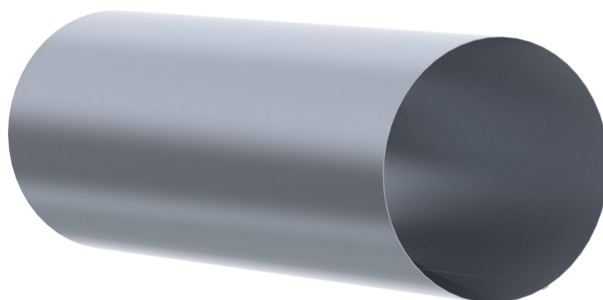
Product codes



Example: NTOP 315-1250

NTOV Ventilatsioon duct (lock seamed)

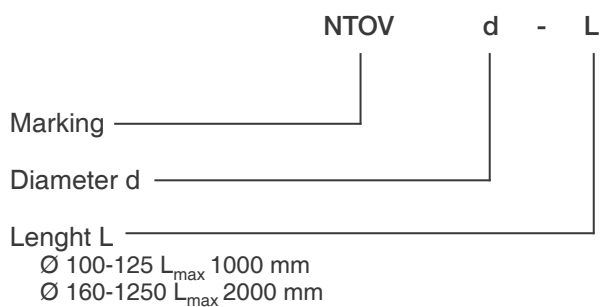
Round duct with horizontal outside seam.
 NTOV duct is manufactured of galvanized steel sheet. Ducts can also be manufactured of other materials and in other material thicknesses (max. 0,9 mm).
 Sizes Ø 100-125 mm maximum length 1000 mm and sizes Ø 160-1250 mm maximum length 2000 mm.



Nominal size d	Material thickness t, mm	Weight (kg/m)
100	0,5	1,3
125	0,5	1,6
160	0,5	2,0
200	0,5	2,5
250	0,5	3,1
315	0,5	3,9
400	0,7	7,0
500	0,7	8,7
630	0,7	10,9
800	0,7	13,9
1000	0,9	22,3
1250	0,9	27,8



Product codes



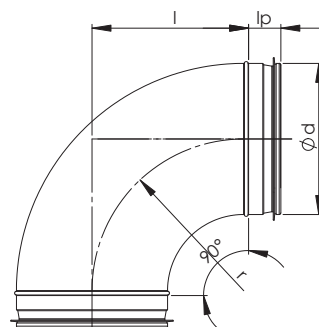
Example: NTOV 315-1250

NVP Bend

$$r=1*d$$

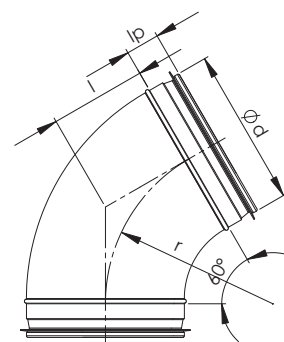
NVP 90°

Nominal size d_1	l (mm)	l_p (mm)	Weight (kg)
80	80	35	0,3
100	100	30	0,35
125	125	30	0,46
160	160	30	0,83
200	200	30	1,27



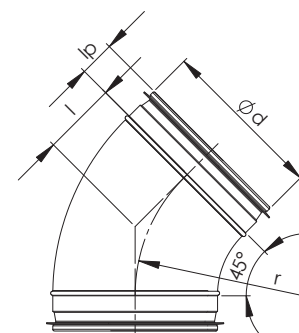
NVP 60°

Nominal size d_1	l (mm)	l_p (mm)	Weight (kg)
80	46	35	0,3
100	58	30	0,4
125	72	30	0,5
160	92	30	0,7
200	115	30	0,95



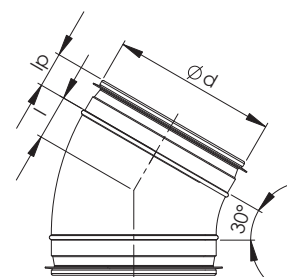
NVP 45°

Nominal size d_1	l (mm)	l_p (mm)	Weight (kg)
80	40	35	0,2
100	40	30	0,24
125	51	30	0,34
160	65	30	0,52
200	80	30	0,77



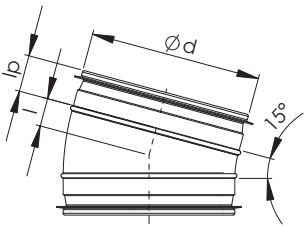
NVP 30°

Nominal size d_1	l (mm)	l_p (mm)	Weight (kg)
100	27	30	0,2
125	33	30	0,27
160	43	30	0,4
200	54	30	0,65

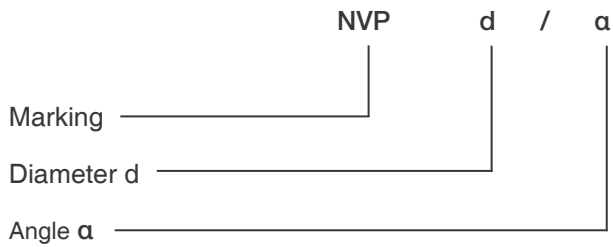


NVP 15°

Nominal size d ₁	l (mm)	l _p (mm)	Weight (kg)
80	11	35	0,13
100	13	30	0,17
125	16	30	0,25
160	21	30	0,45
200	26	30	0,5



Product codes



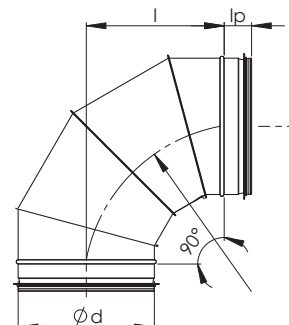
Example: NVP 200-90

NV Bend

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

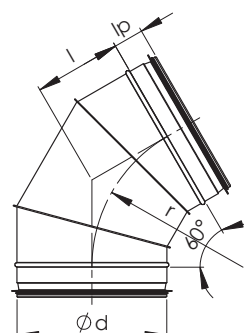
NV 90°

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
250	250	50	1,7
315	315	50	3,6
400	400	50	6,9
500	500	61	10,1
630	630	61	15,0
800	800	96	27,0
1000	1000	110	47,0
1250	1150	110	64,0
1600	1600	110	116,0



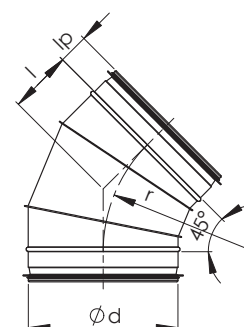
NV 60°

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
250	146	50	2,2
315	184	50	3,0
400	234	50	4,6
500	292	61	6,1
630	367	61	9,3
800	466	96	15,6
1000	583	110	29,0
1250	728	110	36,0
1600	932	110	83,0



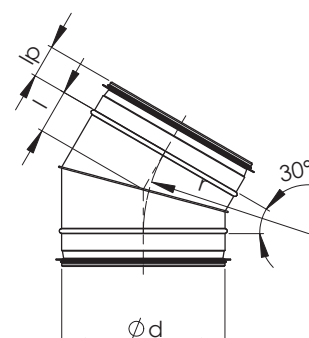
NV 45°

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
250	105	50	1,1
315	130	50	2,2
400	165	50	3,7
500	205	61	5,1
630	260	61	7,7
800	330	96	15,0
1000	415	110	24,0
1250	520	110	34,0
1600	665	110	63,0



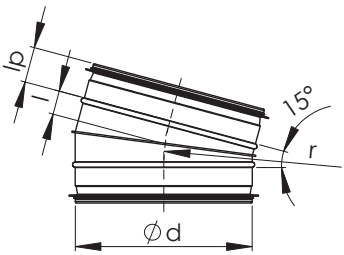
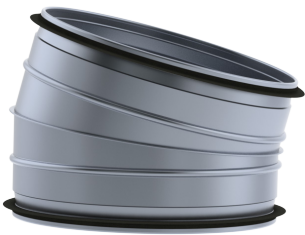
NV 30°

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
250	70	50	0,8
315	85	50	1,7
400	110	50	3,4
500	135	61	3,7
630	170	61	5,6
800	215	96	11,0
1000	270	110	17,0
1250	335	110	26,0



NV 15°

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
250	33	50	0,75
315	51	50	1,1
400	53	50	1,9
500	66	61	2,4
630	83	61	3,3
800	105	96	7,5
1000	132	110	13,0
1250	165	110	17,0



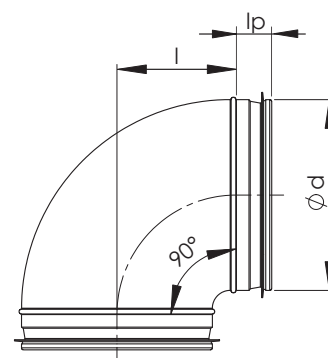
Product codes

	NV	d	/	α
Marking	_____	_____	_____	_____
Diameter d	_____	_____	_____	_____
Angle α	_____	_____	_____	_____

Example: NV 315-90

NVKP 90° Pressed bend, short

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
100	65	30	0,2
125	78	30	0,3
160	95	30	0,5



Product codes

	NVKP	d	/	α
Marking	_____	_____	_____	_____
Diameter d	_____	_____	_____	_____
Angle α	_____	_____	_____	_____

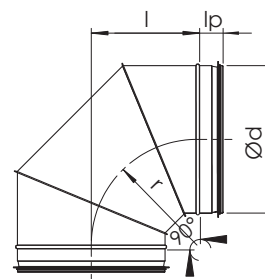
Example: NVPK 315-90

NVK 90° Bend, short

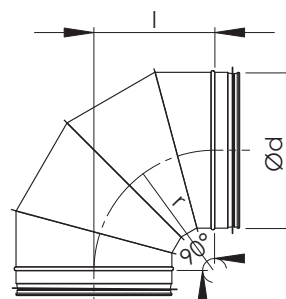
Ventilation system bend, consists of rolled sectors.

Nominal size d	r (mm)	l (mm)	l _p (mm)	Sectors (pcs)	Weight (kg)
200	130	130	30	3	1,1
250	165	165	50	3	1,4
315	185	185	50	3	1,9
400	230	230	50	3	3,9
500	290	290	61	3	6,3
630	395	395	61	4	8,4
800	480	480	96	4	16
1000	580	580	110	4	29
1250	700	700	110	4	40

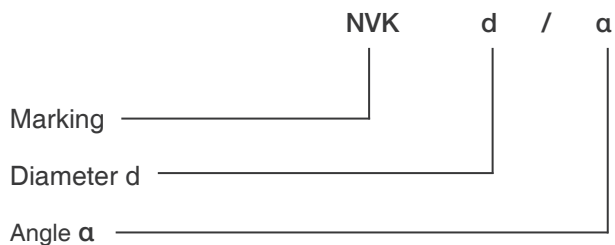
200-500



630-1250



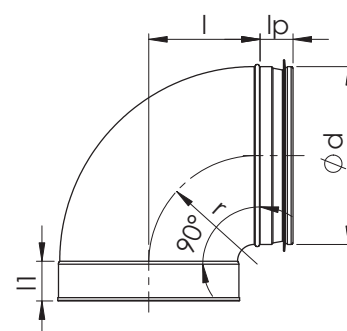
Product codes



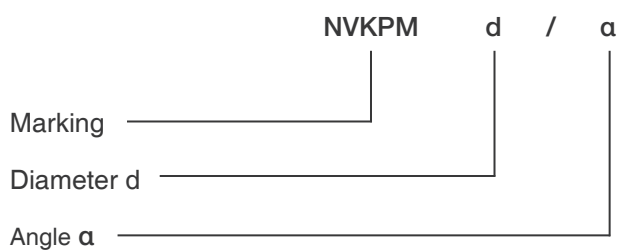
Example: NVK 315-90

NVKPM 90° Pressed bend, short

Nominal size d	l (mm)	l _p (mm)	l ₁ (mm)	Weight (kg)
100	65	30	30	0,2
125	78	30	30	0,3
160	95	30	30	0,5



Product codes

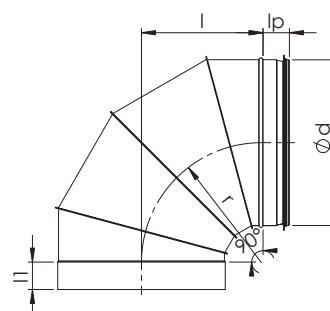


Example: NVKPM 160-90

NVKM 90° Bend, short

Ventilation system bend, consists of rolled sectors. $R \sim 0,6 \cdot d$

Nominal size d_1	l (mm)	l_1 (mm)	l_p (mm)	Weight (kg)
200	130	30	30	1,1
250	165	50	50	1,4
315	185	50	50	1,9
400	230	50	50	3,9
500	290	65	61	6,3
630	395	65	61	8,4
800	480	96	96	16,0
1000	580	110	110	29,0
1250	700	110	110	40,0



Product codes

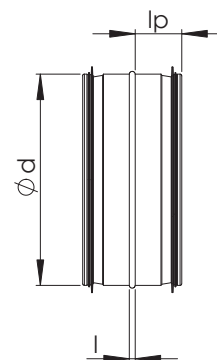
	NVKM	d	/	α
Marking				
Diameter d				
Angle α				

Example: NVKM 315-90

NI Coupling

Inner coupling for ducts.

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
80	5	35	0,1
100	5	30	0,11
125	5	30	0,13
160	5	30	0,17
200	5	30	0,22
250	7	50	0,45
315	7	50	0,55
400	7	50	0,88
500	7	61	1,4
630	7	61	1,8
800	16	96	2,7
1000	16	110	6,1
1250	16	110	7,6
1600	16	110	11,0



Product codes

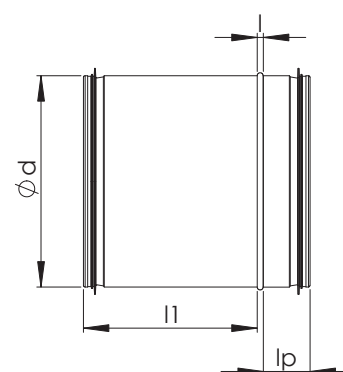
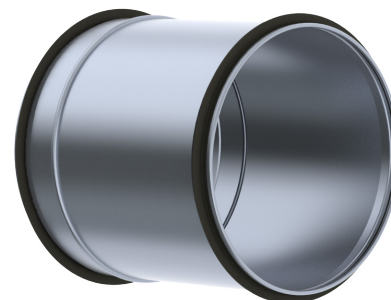


Example: NI 315

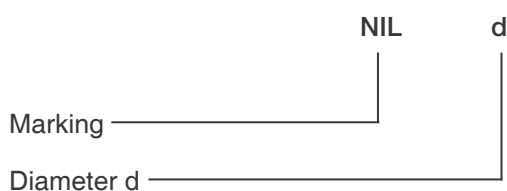
NIL Long coupling

Long inner coupling for ducts (adjustable length).

Nominal size d	l_1 (mm)	l (mm)	l_p (mm)	Weight (kg)
100	159	5	30	0,26
125	159	5	30	0,30
160	159	5	30	0,38
200	159	5	30	0,48
250	202	7	50	0,90
315	202	7	50	1,20
400	202	7	50	1,8
500	301	7	61	3,5
630	301	7	61	4,4
800	475	16	96	7,3
1000	480	16	110	11,3
1250	480	16	110	18,1



Product codes

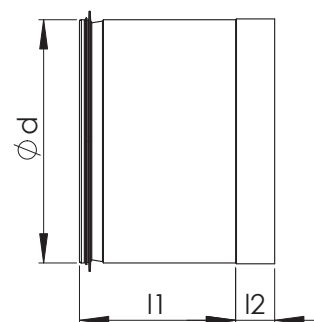
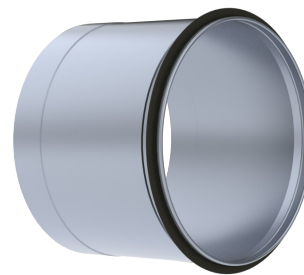


Example: NIL 315

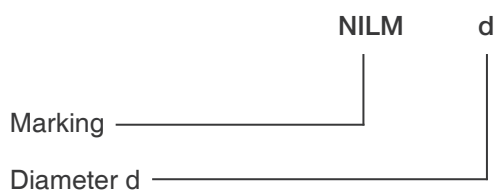
NILM Long male/female coupling

NILM allows for connection of ready installed ducts and components.

Nominal size d	l_1 (mm)	l_2 , mm	Weight (kg)
100	165	35	0,26
125	165	35	0,64
160	165	35	0,82
200	165	35	1,0
250	211	55	1,7
315	211	55	2,2
400	211	55	2,4
500	310	66	2,9
630	310	66	4,5



Product codes

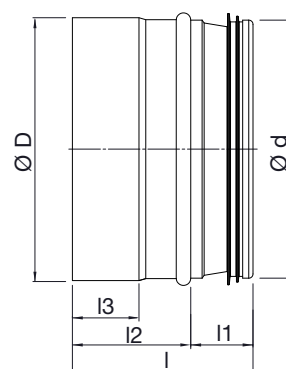


Example: NILM 315

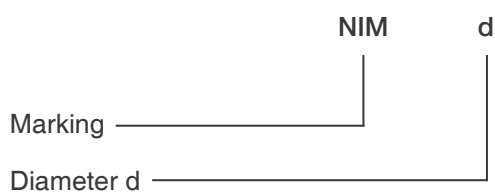
NIM Short male/female coupling

NIM is intended to be used to connect duct and fittings.

Nominal size d (mm)	l ₁ (mm)	l ₂ (mm)	l ₃ (mm)	l (mm)	Weight (kg)
100	30	42	25	72	0,10
125	30	42	25	72	0,12
160	30	42	25	72	0,16
200	30	42	25	72	0,20
250	50	66	35	116	0,38
315	50	66	35	116	0,48
400	50	64	35	114	0,86
500	61	76	35	137	1,26
630	61	76	35	137	1,58



Product codes

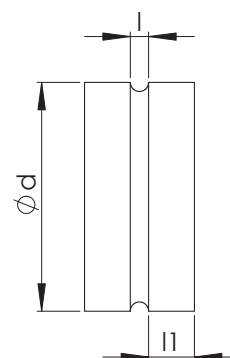


Example: NIM 315

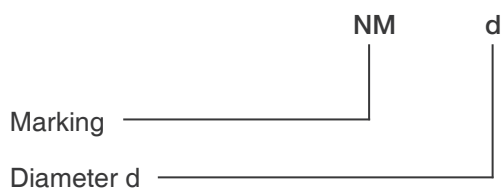
NM Female coupling

Designed for connection of different ventilation components.

Nominal size d	l_1 (mm)	l (mm)	Weight (kg)
80	35	10	0,09
100	35	10	0,12
125	35	10	0,15
160	35	10	0,19
200	35	10	0,24
250	50	10	0,38
315	50	10	0,48
400	70	10	1,13
500	78	14	1,5
630	78	14	1,9
800	111	13	3,3
1000	111	13	5,3
1250	111	13	6,6
1600	111	13	9,4



Product codes



Example: NM 315

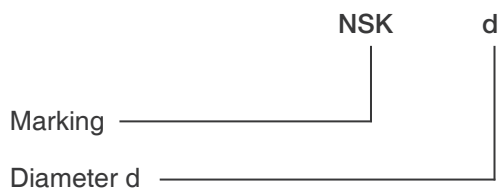
NSK Take-off

Straight take-off.

Nominal size d	l1 (mm)	Weight (kg)
80	40	0,08
100	40	0,09
125	40	0,11
160	40	0,14
200	40	0,18
250	43	0,23
315	43	0,45
400	55	0,6
500	55	0,7
630	55	1,0
800	80	1,5
1000	97	2,9
1250	97	3,6
1600	97	10,7



Product codes

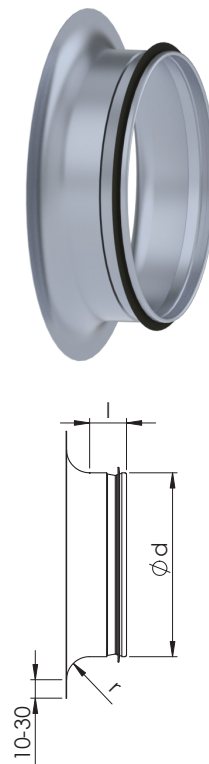


Example: NSK 315

NSN Take-off with radius

Take-off to the straight duct with radius.

Nominal size d	l1 (mm)	r (mm)	Weight (kg)
100	40	15	0,14
125	40	20	0,18
160	40	25	0,27
200	40	25	0,31
250	40	25	0,37
315	40	25	0,47
400	75	25	0,97
500	75	25	1,35
630	75	25	1,77



Product codes

The diagram shows two horizontal lines. The top line is labeled 'Marking' on the left and 'NSN' on the right. The bottom line is labeled 'Diameter d' on the left and 'd' on the right. A vertical line connects the 'NSN' label to the 'd' label, indicating that the NSN is determined by the diameter d.

Example: NSN 315

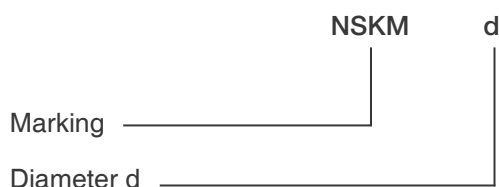
NSKM Take-off

Take-off with female end.

Nominal size D	l (mm)	Weight (kg)
80	40	0,06
100	41	0,08
125	41	0,10
160	41	0,13
200	41	0,16
250	61	0,26
315	61	0,32
400	76	0,68
500	74	0,8
630	74	1,0
800	114	1,8
1000	114	2,9
1250	114	3,6
1600	114	5,1



Product codes



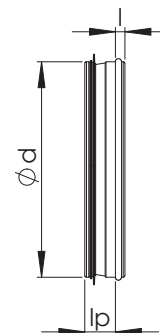
Example: NSKM 315

NAL End cap

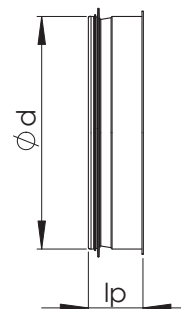
End cap for duct.

Nominal size d	l_p , mm	l (mm)	Weight (kg)
80	35	20	0,1
100	35	20	0,1
125	35	20	0,19
160	35	20	0,26
200	35	20	0,35
250	35	20	0,6
315	35	20	0,9
400	35	20	1,2
500	55	-	1,8
630	55	-	2,8
800	82	-	5,4
1000	96	-	9,2
1250	96	-	13,0

80-400



500-1250



Product codes



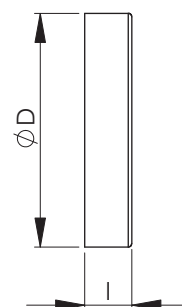
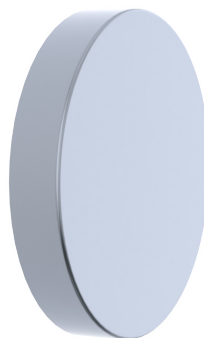
Example: NAL 315

NALM End cap

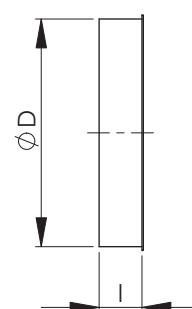
End cap with female end.

Nominal size D	l (mm)	Weight (kg)
80	40	0,06
100	40	0,09
125	40	0,11
160	40	0,16
200	40	0,21
250	40	0,34
315	40	0,51
400	60	0,76
500	75	1,9
630	75	2,8
800	115	4,5
1000	115	8,5
1250	115	12,5

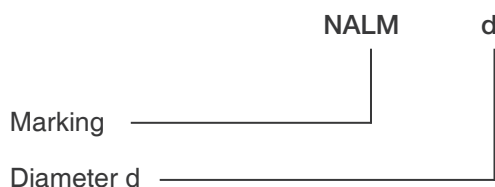
80-315



400-1250



Product codes

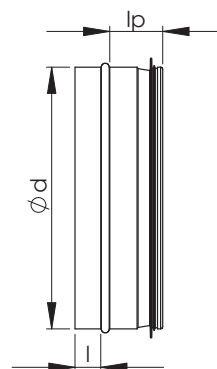


Example: NALM 315

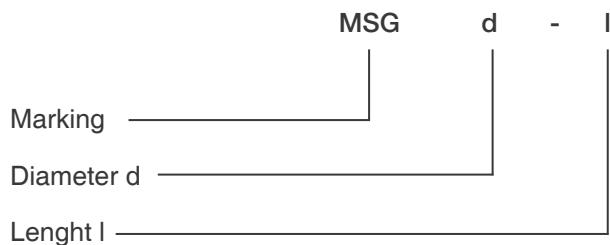
MSG End coupling

Both ends of the coupling are male end and one end is equipped with a rubber seal.

Nominal size d	l (mm)	l _p (mm)	Weight (kg)
80	50	35	0,09
100	50	30	0,10
125	50	30	0,13
160	50	30	0,17
200	50	30	0,25
250	50	50	0,4
315	50	50	0,5
400	70	50	0,8
500	70	61	1,1
630	70	61	1,4
800	70	96	2,4
1000	70	110	3,7
1250	70	110	4,6



Product codes

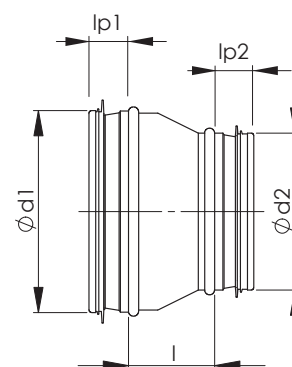


Example: MSG 315-25

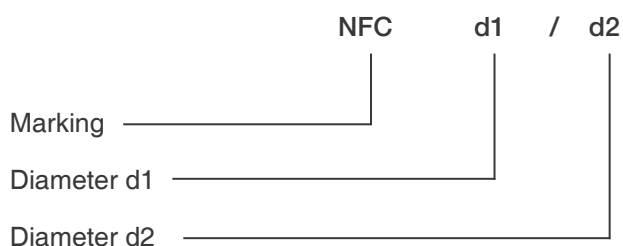
NFC Reducer, concentric (pressed)

Concentric reducer is designed for connection of different sizes of ventilation ducts.

Nominal size d ₁ /d ₂	l (mm)	l _{p1} (mm)	l _{p2} mm	Weight (kg)
100/80	20	30	30	0,14
125/80	30	30	30	0,18
125/100	44	30	30	0,17
160/100	62	30	30	0,30
160/125	42	30	30	0,25
200/100	82	30	30	0,39
200/125	62	30	30	0,40
200/160	45	30	30	0,35
250/160	63	45	35	0,57
250/200	43	45	35	0,55
315/160	96	45	35	0,93
315/200	76	45	35	0,78
315/250	51	45	45	0,74



Product codes

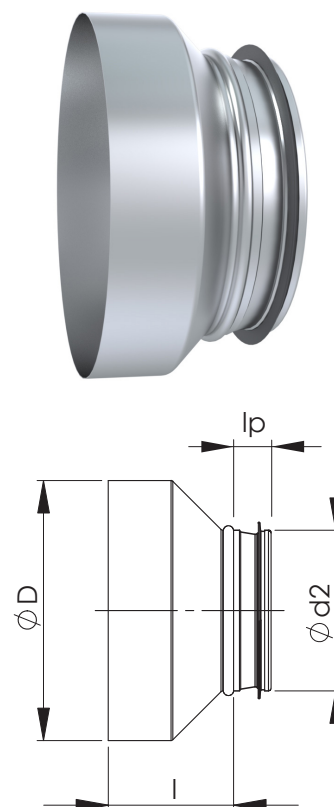


Example: NFC 315/200

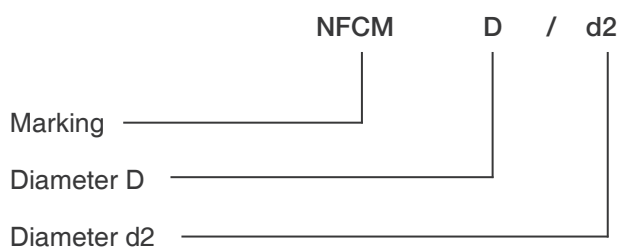
NFCM Reducer, concentric (pressed)

Concentric reducer between different sizes of ducts and parts.

Nominal size D/d ₂	l (mm)	l _p (mm)	Weight (kg)
100/80	56	30	0,13
125/80	65	30	0,18
125/100	64	35	0,15
160/100	84	35	0,30
160/125	69	35	0,21
200/100	110	35	0,39
200/125	92	40	0,40
200/160	74	35	0,37
250/160	109	35	0,57
250/200	89	35	0,55
315/160	132	40	0,93
315/200	112	40	0,78
315/250	87	40	0,74



Product codes



Example: NFCM 315/250

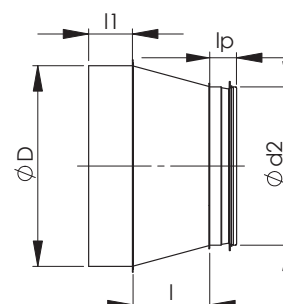
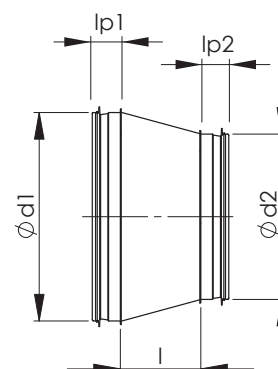
NFCV/NFCVM Reducer, concentric

Concentric reducer is designed for connection of different ventilation components.

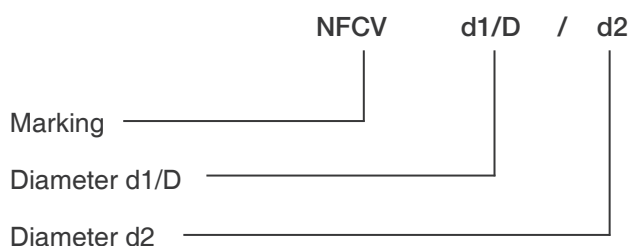
NFCV - Concentric reducer (fitting/fitting)

NFCVM- Concentric reducer (duct/fitting)

Nominal size $d_1/D-d_2$	l (mm)	l_1 (mm)	l_{p1} (mm)	l_{p2} (mm)	Weight (kg)
250/100	230	60	43	34	0,6
250/125	200	60	43	32	0,8
250/160	160	60	43	32	0,8
250/200	105	60	43	32	0,7
315/125	290	60	43	32	1,2
315/160	255	60	43	32	0,8
315/200	190	60	43	32	1,2
315/250	130	60	43	43	1,1
400/160	365	60	50	32	2,5
400/200	310	60	50	32	2,4
400/250	245	60	50	43	2,3
400/315	160	60	50	43	2,0
500/200	450	75	51	32	3,8
500/250	385	75	51	43	3,6
500/315	290	75	51	43	2,4
500/400	185	75	51	50	2,8
630/250	400	75	51	43	4,4
630/315	400	75	51	43	4,6
630/400	355	75	51	50	4,8
630/500	250	75	51	51	3,3
800/400	500	115	75	50	7,5
800/500	460	115	75	51	7,5
800/630	280	115	75	51	5,6
1000/400	505	115	89	50	11,5
1000/500	505	115	89	51	11,8
1000/630	505	115	89	51	12,3
1000/800	325	115	89	75	10,7
1250/500	700	115	89	51	20,2
1250/630	395	115	89	51	21,2
1250/800	660	115	89	75	19,5
1250/1000	400	115	89	89	15,9



Product codes



Example: **NFCV 315/250**
 NFCVM 250/160

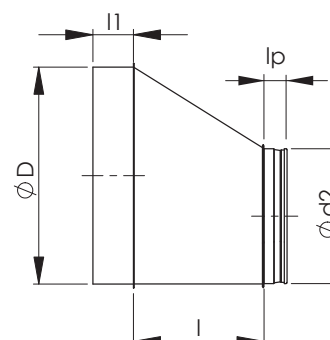
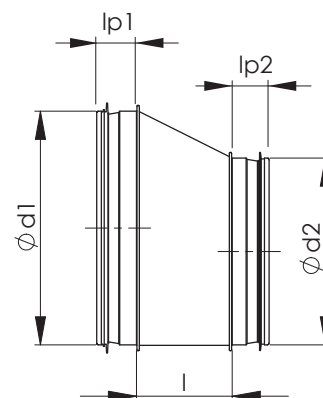
NFB/NFBM Reducer, eccentric

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)	l_1 (mm)	l_{p1} (mm)	l_{p2} (mm)	Weight (kg)
125/100	65	39	0,16	34	0,16
160/100	105	39	0,23	34	0,23
160/125	75	39	0,21	32	0,21
200/100	160	39	0,31	34	0,31
200/125	130	39	0,3	32	0,3
200/160	85	39	0,3	32	0,3
250/100	215	58	0,8	34	0,8
250/125	200	58	0,65	32	0,65
250/160	145	58	0,75	32	0,75
250/200	95	58	0,75	32	0,75
315/125	275	58	1,3	32	1,3
315/160	230	58	1,2	32	1,2
315/200	180	58	1,1	32	1,1
315/250	115	58	1,0	43	1,0
400/160	345	55	2,5	32	2,5
400/200	290	55	2,5	32	2,5
400/250	230	55	2,1	43	2,1
400/315	150	55	1,8	43	1,8
500/200	430	70	3,8	32	3,8
500/250	355	70	3,5	43	3,5
500/315	275	70	2,9	43	2,9
500/400	175	70	2,8	50	2,8
630/250	350	70	4,5	43	4,5
630/315	380	70	4,7	43	4,7
630/400	345	70	5,0	50	5,0
630/500	240	70	4,0	51	4,0
800/400	470	103	7,5	50	7,5
800/500	440	103	8,2	51	8,2
800/630	265	103	6,3	51	6,3
1000/400	535	103	11,7	50	11,7
1000/500	445	103	12,0	51	12,0
1000/630	475	103	12,4	51	12,4
1000/800	310	103	9,8	75	9,8
1250/500	705	103	21,0	51	21,0
1250/630	735	103	21,5	51	21,5
1250/800	630	103	19,8	75	19,8
1250/1000	380	103	15,0	89	15,0



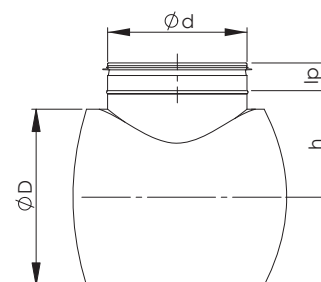
Product codes



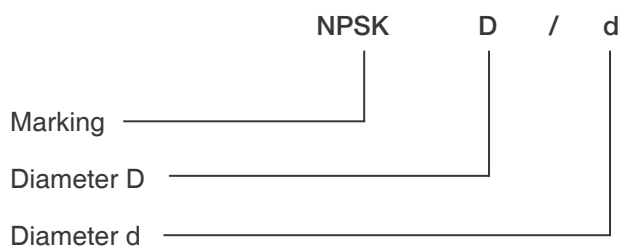
Example: **NFB 315/250**
NFBM 250/160

NPSK Take-off, narrow edge

Nominal size D/d	h (mm)	l _p (mm)	Weight (kg)
500/200	270	30	0,40
500/250	270	50	0,52
500/315	270	50	0,83
630/160	335	30	0,35
630/200	335	30	0,40
630/250	335	50	0,55
630/315	335	50	0,75
800/250	420	50	0,6
800/315	420	50	0,8



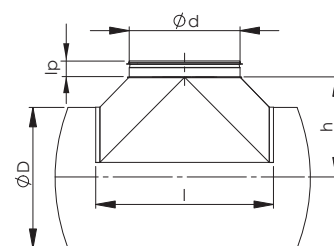
Product codes



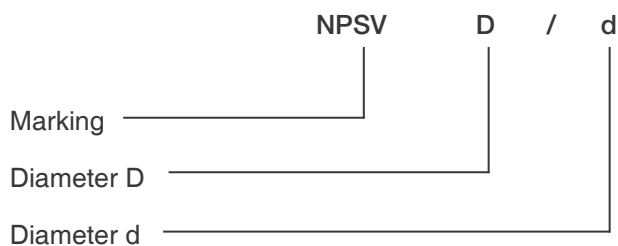
Example: NPSK 500-315

NPSV Take-off (seamed)

Nominal size D/d	l (mm)	l _p (mm)	h (mm)	Weight (kg)
400/400	625	50	300	2,9
500/400	636	50	355	3,2
500/500	720	51	350	3,9
630/400	636	50	410	3,2
630/500	733	51	370	4,7
630/630	866	51	420	5,7
800/400	636	50	505	3,5
800/500	720	51	510	4,6
800/630	850	51	520	6,2
800/800	1060	75	520	8,6
1000/500	713	51	600	4,9
1000/630	845	51	600	7,2
1000/800	1042	75	610	10,1
1000/1000	1252	89	615	15,3
1250/630	845	51	725	11,0
1250/800	1083	75	760	9,0
1250/1000	1251	89	745	15,0
1250/1250	1560	89	775	22,0



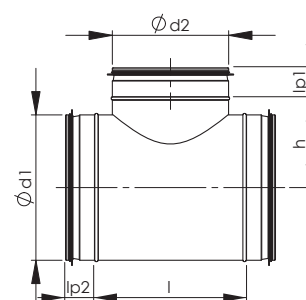
Product codes



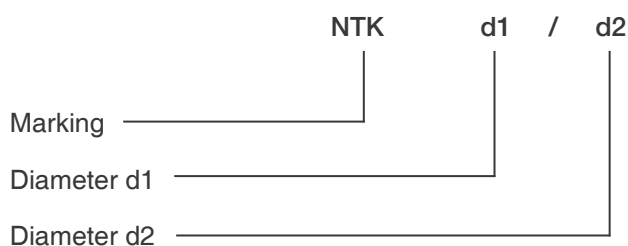
Example: NPSV 500-400

NTK T-piece

Nominal size d ₁ /d ₂	l (mm)	l _{p2} (mm)	l _{p1} (mm)	h (mm)	Weight (kg)
80/80	170	35	35	52	0,4
100/80	176	35	30	60	0,5
100/100	182	35	30	65	0,5
125/80	168	35	30	75	0,5
125/100	168	35	30	98	0,5
125/125	196	35	30	98	0,7
160/80	200	35	30	85	0,7
160/100	168	35	30	115	0,7
160/125	212	35	30	115	0,8
160/160	236	35	30	115	1,0
200/100	174	35	30	135	0,7
200/125	212	35	30	135	0,9
200/160	309	35	30	135	1,1
200/200	306	35	30	135	1,3
250/100	172	35	50	160	1,0
250/125	198	35	50	160	1,2
250/160	302	35	50	160	1,3
250/200	320	35	50	160	1,7
250/250	350	35	50	160	2,1
315/100	204	35	50	193	1,2
315/125	219	35	50	193	1,4
315/160	261	35	50	193	1,7
315/200	320	35	50	193	2,1
315/250	398	35	50	193	2,8
315/315	408	35	50	193	3,0
400/100	172	35	50	235	2,1
400/125	254	35	50	235	2,3
400/160	271	35	50	235	2,7
400/200	314	35	50	235	3,3
400/250	350	35	50	235	3,7
400/315	454	35	50	235	4,4
500/100	212	35	61	285	2,8
500/125	232	35	61	285	3,1
500/160	297	35	61	285	3,5
500/200	362	35	61	285	4,3
500/250	367	35	61	285	4,8
500/315	462	35	61	285	5,8
630/100	223	35	61	350	3,7
630/125	237	35	61	350	4,0
630/160	322	35	61	350	4,4
630/200	366	35	61	350	5,3
630/250	442	35	61	350	6,0
630/315	473	35	61	350	7,0
800/250	405	35	96	461	8,3
800/315	450	35	96	439	9,6



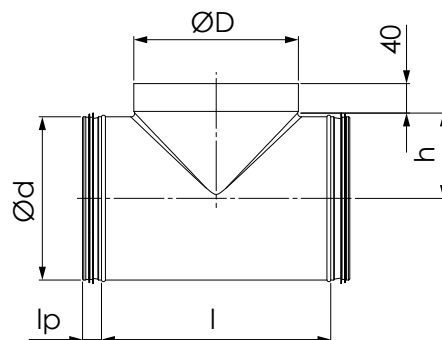
Product codes



Example: NTK 500/250

NTKM T-piece

Nominal size d/D	l (mm)	h (mm)	l _p (mm)	Weight (kg)
100/100	182	70	30	0,5
125/100	168	83	30	0,5
125/125	196	83	30	0,7
160/100	168	100	30	0,6
160/125	212	100	30	0,8
160/160	236	104	30	1,0
200/100	174	120	30	0,7
200/125	212	120	30	0,9
200/160	309	124	30	1,1
200/200	306	128	30	1,3
250/100	172	145	50	1,0
250/125	198	145	50	1,2
250/160	302	149	50	1,3
250/200	320	153	50	1,7
250/250	350	153	50	2,1
315/100	204	178	50	1,2
315/125	219	178	50	1,4
315/160	261	182	50	1,7
315/200	320	186	50	2,1
315/250	398	186	50	2,8
315/315	408	191	50	3,0
400/100	172	220	50	2,1
400/125	254	220	50	2,3
400/160	271	224	50	2,7
400/200	314	228	50	3,3
400/250	350	228	50	3,7
400/315	454	233	50	4,4
500/100	212	270	61	2,8
500/125	232	270	61	3,1
500/160	297	274	61	3,5
500/200	362	278	61	4,3
500/250	367	278	61	4,8
500/315	462	283	61	5,8
630/100	223	335	61	3,7
630/125	237	335	61	4,0
630/160	322	339	61	4,4
630/200	366	343	61	5,3
630/250	442	343	61	6,0
630/315	473	348	61	7,0



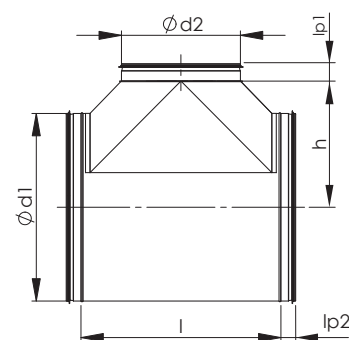
Product codes

	NTKM	d	/	D
Marking	_____	_____	_____	_____
Diameter d	_____	_____	_____	_____
Diameter D	_____	_____	_____	_____

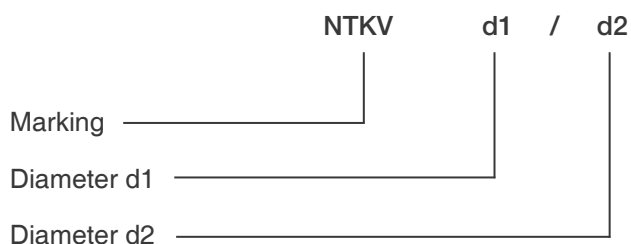
Example: NTKM 500/250

NTKV T-piece

Nominal size d ₁ /d ₂	l (mm)	h (mm)	l _{p1} (mm)	l _{p2} (mm)	Weight (kg)
400/400	617	300	52	52	7,3
500/400	628	355	53	52	8,5
500/500	712	350	53	52	9,8
630/400	628	420	52	52	10,1
630/500	725	420	53	53	12,6
630/630	858	420	53	53	14,4
800/400	628	505	52	52	13,1
800/500	712	500	53	53	15,3
800/630	840	500	53	53	18,3
800/800	1052	520	80	80	22,3
1000/500	705	600	53	53	22,3
1000/630	837	600	53	53	26,6
1000/800	1034	610	80	80	32,0
1000/1000	1244	615	94	94	42,5
1250/630	837	725	53	53	43,0
1250/800	1074	760	80	80	38,0
1250/1000	1243	745	94	94	48,0
1250/1250	1552	775	94	94	60,0



Product codes

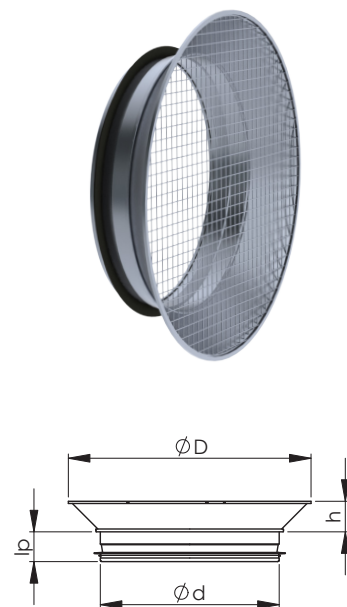


Example: NTKV 500-400

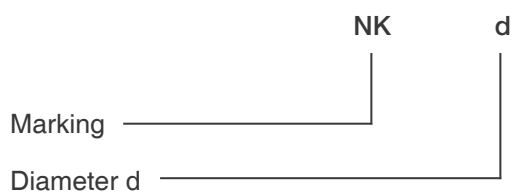
NK Air intake with mesh for duct

Air intake equipped with a mesh is used at the end of the air intake and extraction conduits.

Nominal size d	l _p (mm)	h (mm)	D (mm)	Weight (kg)
100	34	60	190	0,32
125	32	60	215	0,45
160	32	60	250	0,6
200	32	60	295	0,75
250	43	60	340	0,9
315	43	60	405	1,3
400	50	75	495	1,6
500	51	75	615	2,2
630	51	90	770	3,3
800	75	90	945	4,9
1000	89	105	1170	7,3
1250	89	105	1420	10,0



Product codes

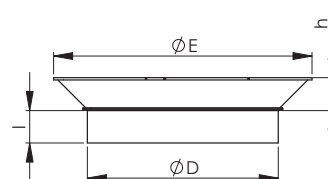
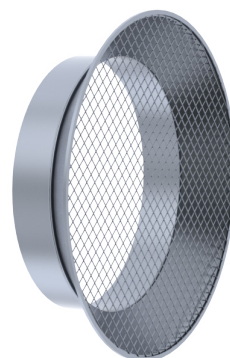


Example: NK 315

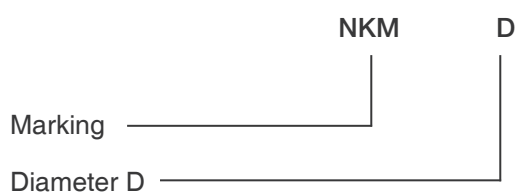
NKM Air intake with mesh for fitting

Air intake equipped with a mesh is used at the end of the air intake and extraction conduits.

Nominal size D	l (mm)	h (mm)	E (mm)	Weight (kg)
100	39	60	190	0,32
125	39	60	215	0,45
160	39	60	250	0,6
200	39	60	295	0,75
250	58	60	340	0,9
315	58	60	405	1,3
400	55	75	495	1,6
500	70	75	615	2,2
630	70	90	770	3,3
800	103	90	945	4,9
1000	103	105	1170	7,3
1250	103	105	1420	10,0



Product codes

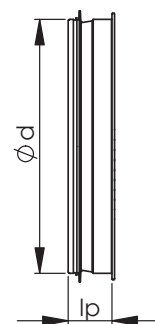
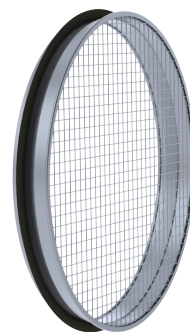


Example: NKM 315

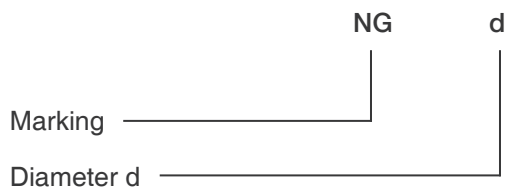
NG Air intake with mesh for fitting

Take-off equipped with a mesh is used at the end of the air supply and exhaust duct.

Nominal size d	lp (mm)	Weight (kg)
80	42	0,09
100	34	0,1
125	32	0,13
160	32	0,17
200	32	0,25
250	43	0,4
315	43	0,5
400	50	0,8
500	51	1,1
630	51	1,4
800	75	2,4
1000	89	3,7
1250	89	4,6



Product codes

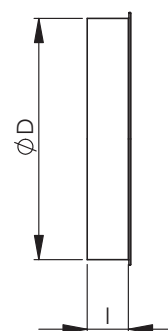
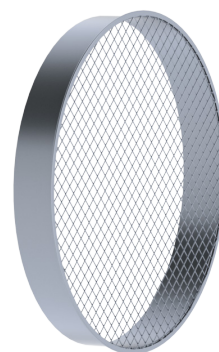


Example: NG 315

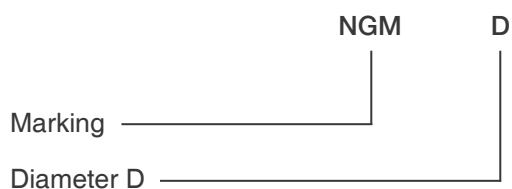
NGM Take-off with mesh for fitting

Take-off equipped with a mesh is used at the end of the air supply and exhaust duct.

Nominal size d	l (mm)	Weight (kg)
100	39	0,1
125	39	0,13
160	39	0,17
200	39	0,25
250	58	0,4
315	58	0,5
400	55	0,8
500	70	1,1
630	70	1,4
800	103	2,4
1000	103	3,7
1250	103	4,6



Product codes

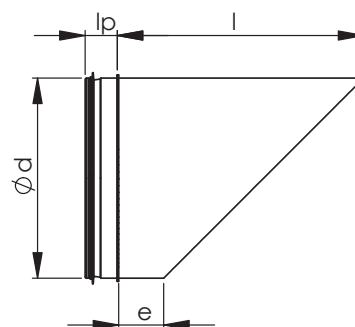
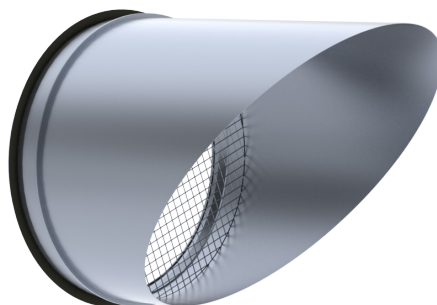


Example: NGM 315

NP Air intake for duct

Air intake with a mesh is used at the end of the air supply and exhaust duct.

Nominal size d	l_p (mm)	l (mm)	e (mm)	Weight (kg)
100	34	140	40	0,26
125	32	165	40	0,48
160	32	200	40	0,71
200	32	240	40	1,03
250	43	300	50	1,6
315	43	365	50	2,4
400	50	450	50	3,7
500	51	560	60	5,6
630	51	690	60	8,5
800	75	870	70	14
1000	89	1070	70	18
1250	89	1320	70	26



Product codes

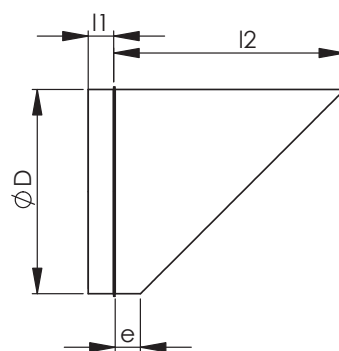
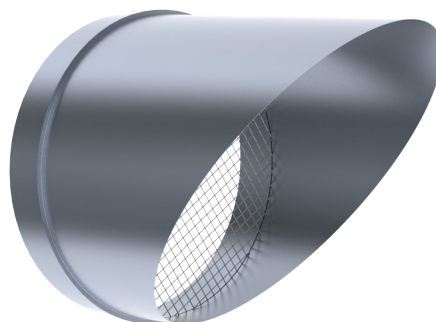


Example: NP 315

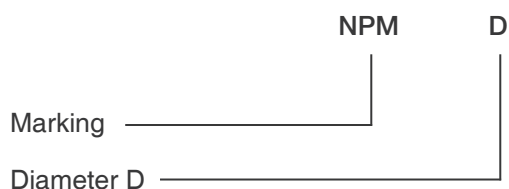
NPM Air intake for fitting

Air intake with a mesh is used at the end of the air supply and exhaust duct.

Nominal size D	l1 (mm)	l2 (mm)	e (mm)	Weight (kg)
100	39	140	40	0,35
125	39	165	40	0,45
160	39	200	40	0,6
200	39	240	40	0,8
250	58	300	50	0,9
315	58	365	50	1,7
400	55	450	50	3,5
500	70	560	60	4,8
630	70	690	60	7,5
800	103	870	70	13,0
1000	103	1070	70	18,0
1250	103	1320	70	26,0



Product codes

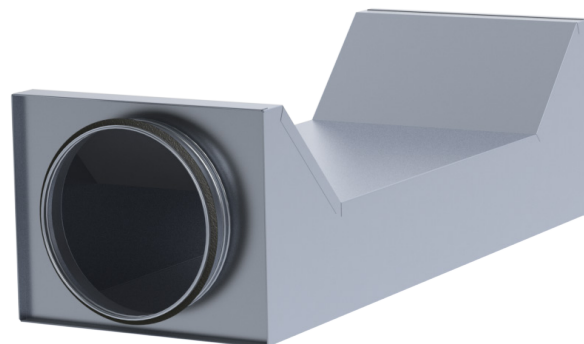


Example: NP 315

NTL Crossing tee

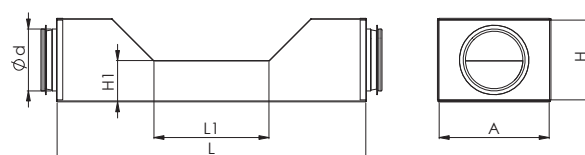
Crossing tee for crossing ducts in cramped spaces.
Permits crossing on one plane.

- The pressure drop does not increase remarkably
- With round duct connections.



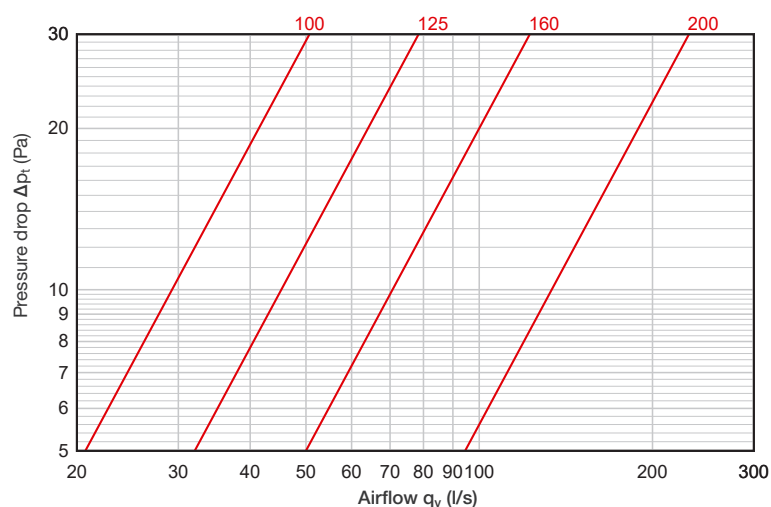
Construction and dimensions

Standard material: galvanized steel. Can also be manufactured of other materials.

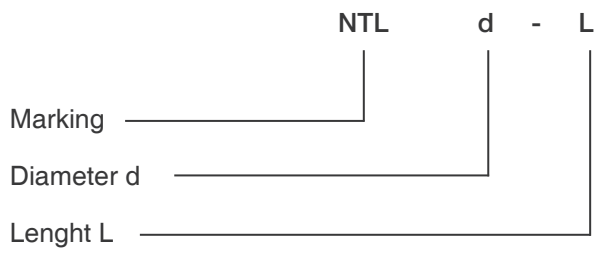


Nominal size, Ød	L (mm)	A (mm)	H (mm)	H1 (mm)	L1 (mm)	Weight (kg)
100	500	180	130	60	185	2,1
100	690	180	130	60	370	2,6
125	500	180	160	80	185	2,4
125	690	180	160	80	370	2,8
125	800	180	160	80	485	3,6
160	600	300	170	85	305	3,9
160	800	300	170	85	485	5,0
160	900	300	170	85	605	5,0
200	500	300	240	120	305	3,7
200	800	300	240	120	485	5,5
200	900	300	240	120	605	5,6

Pressure drop



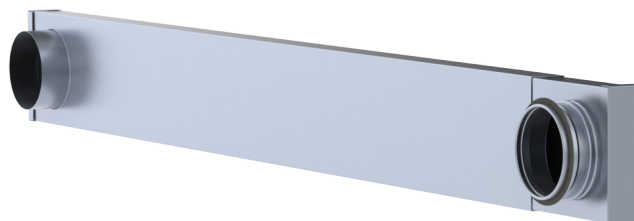
Product codes



Example: NTL 125-500

TS Sauna duct

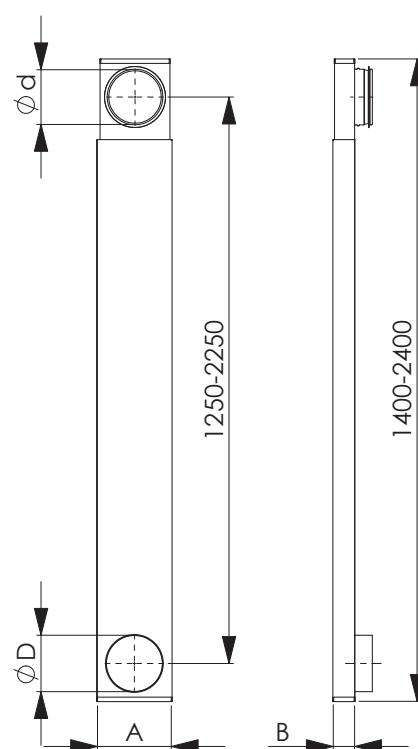
TS sauna duct is a telescope-style rectangular duct with round connections at both ends. One end has a take-off with rubber gasket for the connection with ventilation duct and the other end a duct-sized take-off for a exhaust air valve. Thanks to small dimensions of the duct it can be placed into the thin-wall construction.



Construction and dimensions

Dimensions of the connections are Ø 100 and 125 mm. Length of the duct is 1400-2400 mm. Standard material: galvanized steel. Can also be manufactured of other materials.

Nominal size d	A (mm)	B (mm)	Weight (kg)
100	140	40	0,35
125	170	40	0,45



Product codes



Example: TS 100



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*Let's move the air **together!***