

ACCESSORIES

CONNECTION COMPONENTS

FILTER / EXTRACTION / POLLUTION CONTROL // TECHNOLOGY



Table of contents



1. Hoses	3
• 1.1 Standard hoses	3
• 1.2 Loc-Line Flexi 75	6
2. Pipes and pipe adaptation	8
• 2.1 Pipes	8
• 2.2 Pipe joint parts	9
• 2.3 Exhaust and recirculation systems	19
• 2.4 Combining various pipe types	20
3. Adaptations	20
• 3.1 Plastic (PVC)	20
• 3.2 Metal	22

1. Hoses



Depending on the system's type, the selection of the appropriate hose is particularly important regarding the system's performance and effectiveness. The hose diameter should be chosen according to the following criteria:

- Differential pressure loss: generated resistance in the intake line. The differential pressure should be as low as possible, i.e. the largest possible cross-section should be selected.
- Air velocity: the air velocity is related to the particle size of the medium to be extracted. It is important to prevent deposits in the hose.

Recommended air velocities are: ~1 m/s for smoke; ~5-10 m/s for small particles; and ~10-15 m/s for coarse particles.

Please contact your sales representative.

1.1 Standard hoses

Material: • Hose: PVC

Hose set with connection sleeve

DN (mm)	LENGTH (m)	ART. NO.
50	2,5	10008
	5,0	10010

Hose set with nipple and hose clamps

Suitable for all standard applications

DN (mm)	LENGTH (m)	ART. NO.
80	2,5	13179*
	2,5	13729*
	5,0	13180*
	5,0	14600**
	10,0	13197
	10,0	15322**
100	2,5	13181
	5,0	13182
	10,0	13198
125	2,5	13183
	5,0	13184
	10,0	13199
160	2,5	13185
	5,0	13186
	10,0	13200

* for LN 230

** for LN 260, 265 (with reduction DN 100 to DN 80)

1.1 Standard hoses

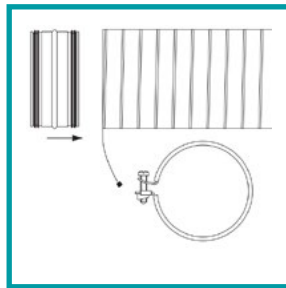


Material:

- Hose: Polyurethane (PU) highly flexible, can be shortened.
- Feature: reinforcement by spring steel spiral, corrugated inside/outside
- Temperature range -40°C to +90°C

Hose set - chemically resistant

For all standard applications with aggressive media.
Consisting of: 1x hose, 1x nipple system Safe or reduction DN 100 to DN 80, 2x hose clamp



DN (mm)	LENGHT (m)	ART. NO.
80	2,5	15496*
	2,5	15497*
	5,0	15498*
	5,0	15499**
	10,0	15500*
	10,0	15501**
100	2,5	15502
	5,0	15503
	10,0	15504
125	2,5	15505
	5,0	15506
	10,0	15507

*for LN230, GL 230 and FP 150

**for LN250, LN 265, GL 265 (with reduction DN 100 to DN 80)

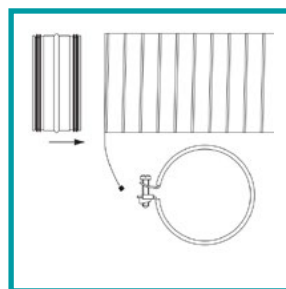
Other diameters upon request - please contact TBH sales department

Material:

- Hose: Polyurethane (PU), dissipative for use in ATEX area, flexible.
- Feature: reinforcement by spring steel spiral, corrugated inside/outside
- Temperature range -40°C to +90°C

Hose Set - Antistatic

For applications in ESD / ATEX area with ground connection, consisting of: 1x hose, 2x wire hose clamp



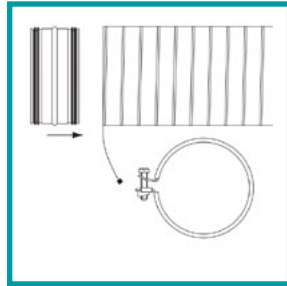
DN (mm)	LENGHT (m)	ART. NO.
63	2,5	15086
	5,0	15093
80	2,5	15087
	5,0	15094
100	2,5	15088
	5,0	15095
125	2,5	15089
	5,0	15096
160	2,5	15090
	5,0	15097
200	2,5	15091
	5,0	15098
250	2,5	15092
	5,0	15099

1.1 Standard hoses



Material:

- Hose: Polyurethane (PU) dissipative for use in ATEX area, flexible.
- Feature: Reinforcement by spring steel spiral, corrugated inside/outside.
- Temperature range -40°C to +90°C



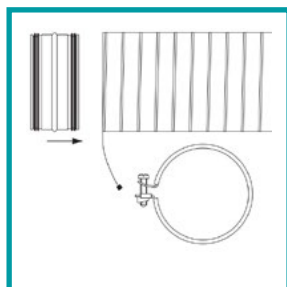
Hose set - chemically resistant

Especially for FP 150 ATEX - with ground connection
Consisting of: 1x hose, 2x wire hose clamp 1x reduction DN 80

DN (mm)	LENGTH (m)	ART. NO.
50	2,5	15372
	5,0	15373
63	2,5	15374
	5,0	15375
	10,0	15376

Material:

- Hose: Polyurethane (PU) dissipative for use in ATEX area, flexible.
- Feature: Reinforcement by spring steel spiral, corrugated inside/outside.
- Temperature range -40°C to +90°C



Hose set - chemically resistant

Especially for FP 150 ATEX - with ground connection.
Consisting of: 1x hose,
2x wire hose clamp

DN (mm)	LENGTH (m)	ART. NO.
80	2,5	15087
	5,0	15094
	10,0	15377

1.2 Loc-Line Flexi 75



The FLEXI 75 extraction hose from Loc-Line is a flexible segment hose made of acetal copolymer. It is suitable for extracting chips, smoke, steam, gas, lubricating mist and other media. It can be assembled from individual hose segments to any lengths and can be extended with the appropriate nozzles and accessories. The FLEXI 75 extraction hose is easy

to set up and position with pinpoint accuracy. This position is maintained permanently and vibration-stable. Free overhangs of up to 100 cm and 360° grinding with a bending radius of 150 mm are possible.

Please contact your sales representative for more information.



LOC-LINE FLEXI 75

LENGHT (m)	ART. NO.
300	upon request
600	16097



ROUND NOZZLE

Ø (mm)	ART. NO.
115	16098



RECTANGULAR NOZZLE

L X W (mm)	ART. NO.
150 x 90	16099



CONICAL OVAL NOZZLE

ART. NO.
16100

1.2 Loc-Line Flexi 75



ADAPTER FOR SHEET METAL PIPE

ART. NO.

16101



GATE VALVE

ART. NO.

16102



CONNECTION FLANGE FOR ALSIDENT SYSTEM 75

ART. NO.

14632

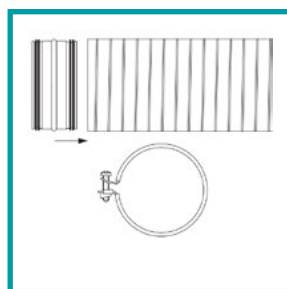


ADAPTER FOR INDUSTRIAL VACUUM CLEANERS

ART. NO.

20424

Hose set for tying the Loc-Line FLEXI 75:

Material: • Hose: PVC


HOSE SET WITH NIPPLE AND HOSE CLAMPS

suitable for all standard applications

DN (mm)	LENGHT (m)	ART. NO.
80	2,5	13179*
	2,5	13729**
	5,0	13180*
	5,0	14600**
	10,0	13197
	2,5	13462*
	5,0	13463*
	10,0	13464*

*for LN 230

** for LN260, 265 (with reduction DN 100 to DN 80)

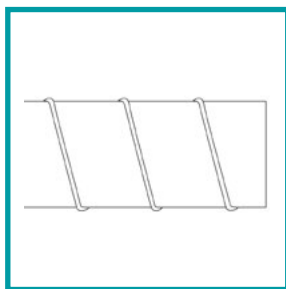
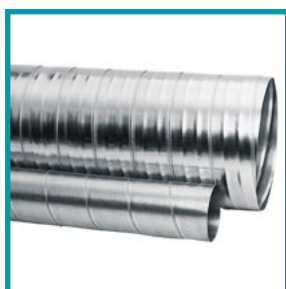
2. Pipes and pipe adaptations



TBH offers a wide range of pipes and pipe connection parts for various applications. The Safe system is mainly used. It is easy to assemble and type-approved for tightness class A,B,C,D in accordance with DIN EN 12237, SITAC No. 1358/88. The system is based on factory-assembled double lip seals made of ageing-resistant EPDM rubber. The robust seal, which is only minimally affected by temperature fluctuations, ensures an airtight connection.

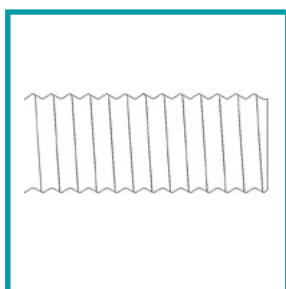
In addition to the Safe system, various adapters and connecting parts from other systems are available to enlarge the wide range.

2.1 Pipes



SPIRAL PIPE Length 3 meters

DN (mm)	ART. NO.
63	10570
80	10573
100	10575
125	10579
160	10587
180	10591
200	10595
224	10599
250	10603



ALUFLEX PIPE Length 1,25 meters

DN (mm)	ART. NO.
80	11064
100	11124
125	10808
160	10878
180	11501
200	11024
250	11056

2.2 Pipe joint parts



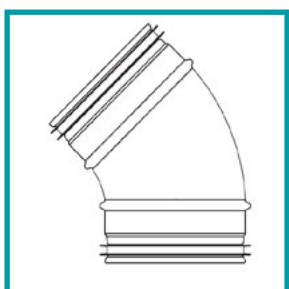
The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100° C



PIPE BEND 15°

DN (mm)	ART. NO.
63	10464
80	10467
100	10438
125	10442
160	10448
180	10452
200	10458
224	10461
250	10463



PIPE BEND 15°

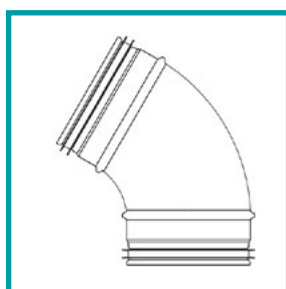
DN (mm)	ART. NO.
63	10466
80	10436
100	10441
125	10445
160	10453
180	10456
200	10462
224	10468
250	10471

2.2 Pipe joint parts



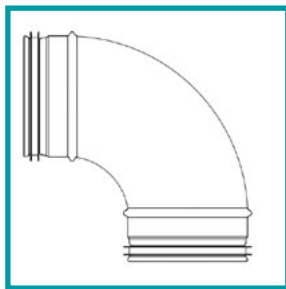
The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness of the seal.
- Suitable for temperature range -30°C to 100°C



PIPE BEND 45°

DN (mm)	ART. NO.
63	10474
80	10477
100	10481
125	10484
160	10491
180	10494
200	10498
224	10472
250	10475



PIPE BEND 45°

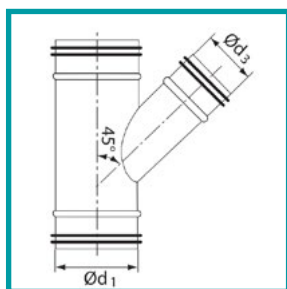
DN (mm)	ART. NO.
63	10478
80	10483
100	10486
125	10489
160	10497
180	10470
200	10473
224	10476
250	10479

2.2 Pipe joint parts



The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



BRANCH 45°

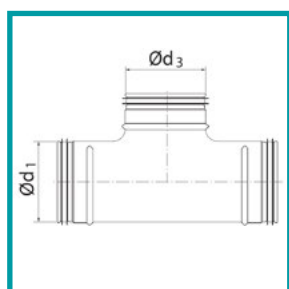
$\varnothing d_1$ (mm)	$\varnothing d_3$ (mm)	ART. NO.
63	63	10640
80	63	10617
	80	10618
100	63	10624
	80	10627
	100	10641
125	63	10631
	80	10634
	100	10622
	125	10637
160	63	10662
	80	10666
	100	10670
	125	10674
	160	10647
180	80	10651
	100	10655
	125	10659
	160	10668
200	80	10675
	100	10644
	125	10649
	160	10656
	180	10660
	200	10665
250	63	10766
	80	10669
	100	10671
	125	10676
	160	10648
	180	10653
	200	10657
	224	10764
	250	10661

2.2 Pipe joint parts



The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



BRANCH 90°

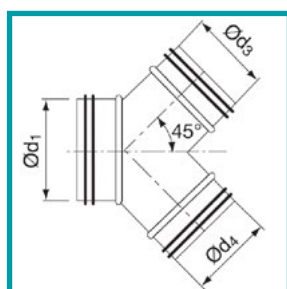
Ø d ₁ (mm)	Ø d ₃ (mm)	ART. NO.
63	63	10663
80	63	10667
	80	10672
100	63	10679
	80	10683
	100	10687
125	63	10691
	80	10695
	100	10699
	125	10703
160	63	10693
	80	10698
	100	10702
	125	10706
	160	10818
180	63	10677
	80	10682
	100	10686
	125	10690
	160	10697
200	63	10705
	80	10709
	100	10678
	125	10680
	160	10688
	180	10692
	200	10696
250	63	10700
	80	10704
	100	10708
	125	10715
	160	10758
	180	10712
	200	10722
	224	10757
	250	10760

2.2 Pipe joint parts



The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



PANTS PIECE

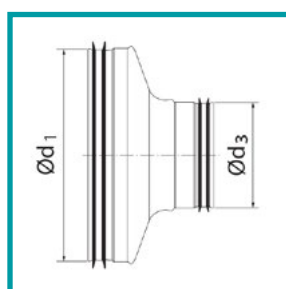
Ø d ₁ (mm)	Ø d ₃ (mm)	Ø d ₄ (mm)	ART. NO.
63	63	63	12160
80	63	63	12116
	80	80	13096
100	63	63	11652
	80	80	12119
	100	100	13607
125	80	80	11700
	100	100	12977
	125	125	15508
160	80	80	11333
	100	100	11365
	125	125	13390
	160	160	12121
200	125	125	10807
	160	160	13530
250	upon request		

2.2 Pipe joint parts



Pipe joint parts:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



REDUCTION

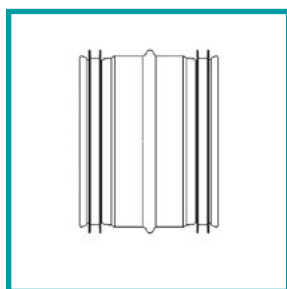
Ø d ₁ (mm)	Ø d ₃ (mm)	ART. NO.
80	63	10607
100	63	10611
	80	10614
125	63	10585
	80	10589
	100	10592
160	63	10613
	80	10581
	100	10586
	125	10590
180	63	10596
	80	10602
	100	10604
	125	10608
	160	10582
200	63	10584
	80	10588
	100	10594
	125	10597
	160	10605
	180	10609
224	63	10616
	80	10619
	100	10621
	125	10625
	160	10630
	180	10633
	200	10636
250	63	10639
	80	10615
	100	10620
	125	10623
	160	10629
	180	10632
	200	10635
	224	10638

2.2 Pipe joint parts



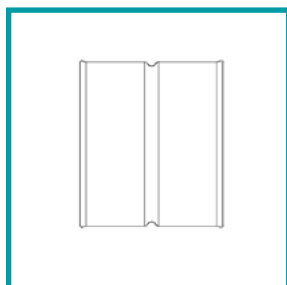
The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



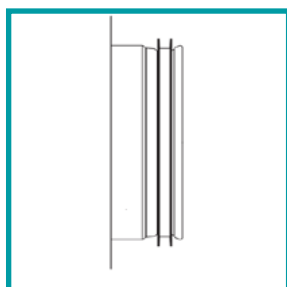
NIPPLES FOR PIPES

DN (mm)	ART. NO.
63	10482
80	10487
100	10490
125	10493
160	10469
180	10480
200	10485
224	10495
250	10508



SOCKET FOR MOLDED PARTS

DN (mm)	ART. NO.
63	10512
80	10517
100	10520
125	10524
160	10499
180	10503
200	10506
224	10510
250	10515



COLLAR WITH FLAT FLANGE

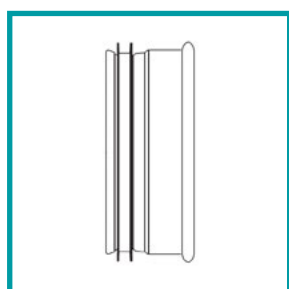
DN (mm)	ART. NO.
80	10563
100	10566
125	10569
160	10577
180	10578
200	10094
224	10564
250	10567

2.2 Pipe joint parts



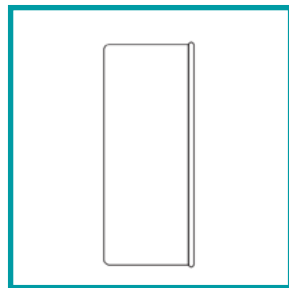
The system:

- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



END COVERS FOR TUBES

DN (mm)	ART. NO.
63	10519
80	10523
100	10527
125	10530
160	10504
180	10507
200	10511
224	10514
250	10516



END COVERS FOR TUBES

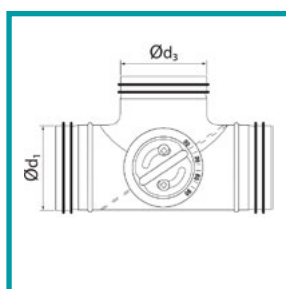
DN (mm)	ART. NO.
63	10521
80	10526
100	10529
125	10500
160	10505
180	10509
200	10513
224	10518
250	10522

2.2 Pipe joint parts



The system:

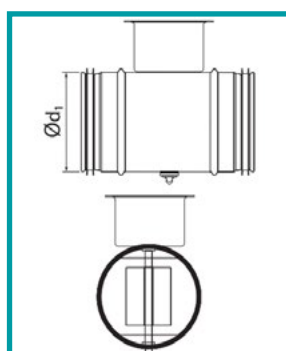
- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



BYPASS DAMPERS

Bypass dampers replace a complex design with two conventional dampers

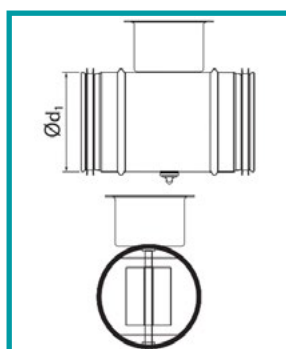
Ø d ₁ (mm) / Ø d ₃ (mm)	ART. NO.
80	11618
100	10557
125	10086
160	10089
200	10533



BUTTERFLY VALVE (AIRTIGHT)

Tightly closing butterfly valve for completely blocking the air stream.

Ø d ₁ (mm)	ART. NO.
80	11146
100	10540
125	10544
160	10552
180	10556
200	10088



REGULATING FLAP

Regulating dampers are used to throttle the system to obtain the desired flow rate.

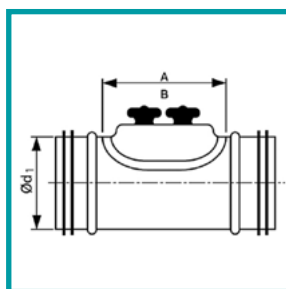
Ø d ₁ (mm)	ART. NO.
63	10562
80	10565
100	10574
125	10560
160	10571
180	10576
200	10580
224	10092
250	10095

2.2 Pipe joint parts



The system:

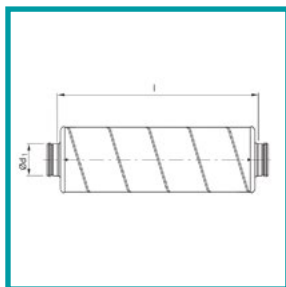
- Easy to assemble components
- Guaranteed tightness due to double lip seal
- Parts can be easily connected and rotated without affecting the tightness.
- Suitable for temperature range -30°C to 100°C



CLEANING PIECE

Allows easy access to the pipeline for cleaning operations

Ø d ₁ (mm)	CAP SIZE A x B (mm)	ART. NO.
125	180 x 80	15522
160	180 x 80	15523
200	200 x 100	15524
250	200 x 100	15525



SILENCER

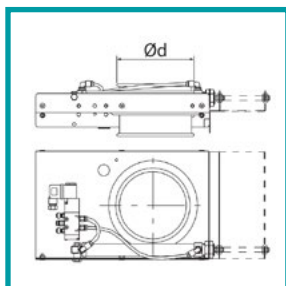
Ø d ₁ (mm)	LENGHT (mm)	ART. NO.
125	900	10852
160	900	10859
200	900	10886
250	900	10397

Other diameters and lengths upon request. Please contact your sales representative.

Pneumatic gate valves

- Automatic control via the extraction system*
- Prevents backflow of filtrate into the extraction pipe during filter cartridge cleaning.
- Gate valve can be easily integrated into the extraction line.

*FP/FPV series units - 24V DC version only.

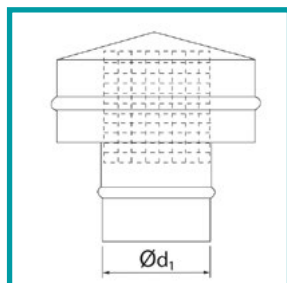


GATE VALVE Pneumatically operated

Ø d (mm)	ART. NO.	
	24V DC	230V AC
80	15286*	14938
100	15287*	15776
125	15288*	14900
160	15289*	14901
200	15290*	14899
250	15291*	upon request

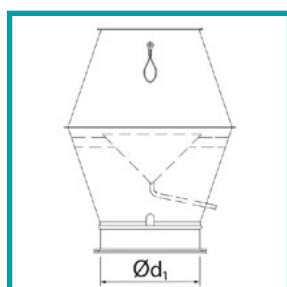
*24V DC- version for connecting the control of the FP/FPV series

2.3 Exhaust and recirculation systems



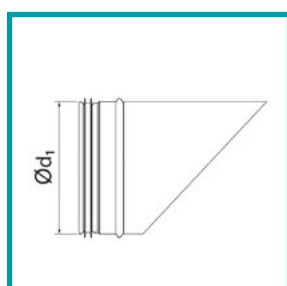
ROOF HOOD

Ø d₁ (mm)	ART. NO.
63	11611
80	11614
100	10525
125	10532
160	10539
180	10543
200	10546
250	upon request



DEFLECTOR HOOD

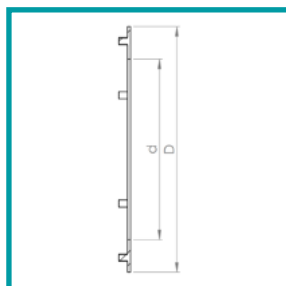
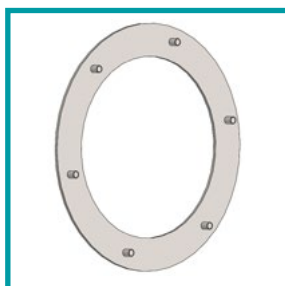
Ø d₁ (mm)	ART. NO.
63	upon request
80	upon request
100	upon request
125	10090
160	10538
180	10542
200	10547



AIR OUTLET FOR WALL WITH PROTECTIVE GRILLE

Ø d₁ (mm)	ART. NO.
63	10558
80	10986
100	10091
125	10531
160	10541
180	10545
200	10548
224	11479

2.4 Combining various pipe types



ADAPTER FLANGE METAL RAL 7035 FOR SHEET METAL FITTING LINDAB TO JACOB

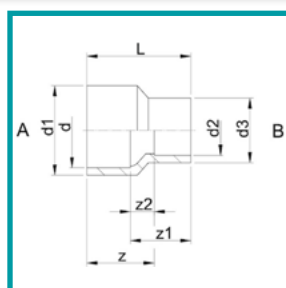
DN LINDAB	DN JACOB	ART. NO.
125	120	upon request
125	150	upon request



Illustration similar; schematic structure

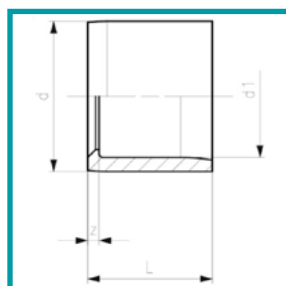
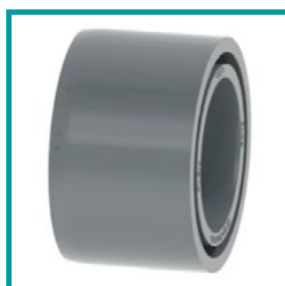
3 Adaptations

3.1 Plastic (PVC)



REDUCING SLEEVE PVC-U GRAY

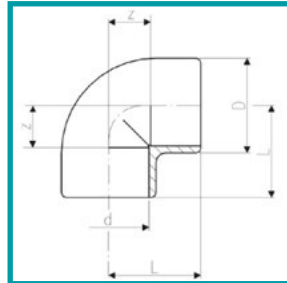
Ø d (mm)	Ø d ₁ (mm)	Ø d ₂ (mm)	Ø d ₃ (mm)	ART. NO.
40	50	32	40	10864
40	50	20	25	11093
63	75	40	50	13966
63	75	32	40	14316
50	63	40	50	14388
63	75	50	63	14619
50	63	25	32	14942
32	40	25	32	15123



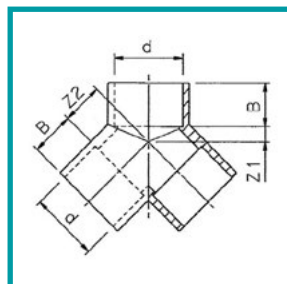
REDUCTION PVC-U GRAY FOR INSERTION INTO SYSTEM COVER

Ø d (mm)	Ø d ₁ (mm)	ART. NO.
63	50	11089
50	32	11216
75	50	12350
50	40	13568

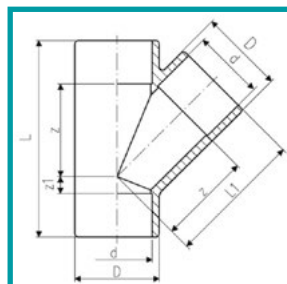
3.1 Plastic (PVC)


PIPE BEND 90° PVC GRAY

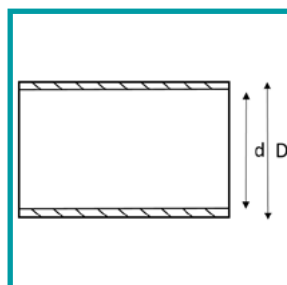
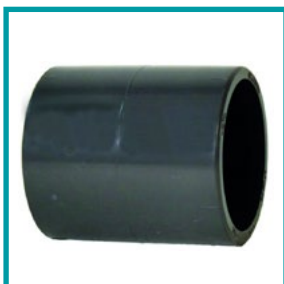
Ø d (mm)	ART. NO.
50	10447


Y-PIECE PVC GRAY

Ø d (mm)	ART. NO.
50	16991
63	16992
75	17042


T-PIECE 45° PVC GRAY

Ø d (mm)	ART. NO.
50	10451

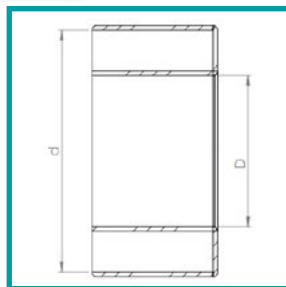
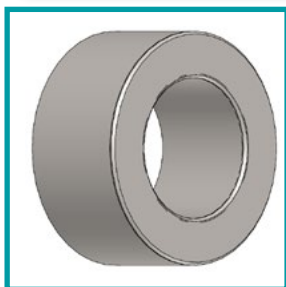

DOUBLE NIPPLE PVC GRAY

D (mm)	ART. NO.
50	13566
32	16932



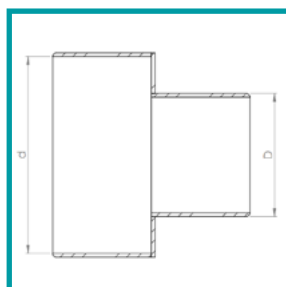
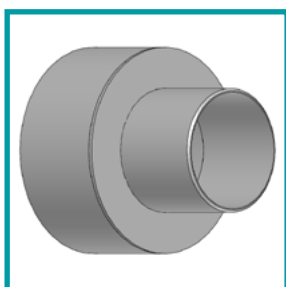
Adaptation option CHD/ GF

3.2 Metal



REDUCTION METAL RAL 7035 FOR SHEET METAL MOLD, PART (NIPPLE/BOW) ON HOSE SET

D (mm)	D (mm)	ART. NO.
63	50	20257
80	63	17075
80	50	17073



REDUCTION METAL RAL 7035 FOR SHEET METAL FORM-PART (NIPPLE/ELBOW) ON HOSE WITH CLAMP

D (mm)	D (mm)	ART. NO.
63	50	20275
80	50	17074



Schematic structure of adaptation parts / reducers TBH

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



FILTER / EXTRACTION / POLLUTION CONTROL // TECHNOLOGY

TBH GmbH

Heinrich-Hertz-Str. 8
D-75334 Straubenhardt
Tel. +49 (0) 7082 / 9473 0
Fax +49 (0) 7082 / 9473 20

www.tbh.eu



Further information

