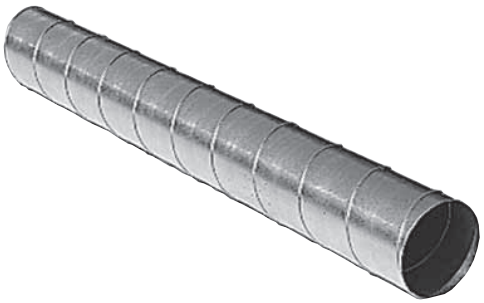
Galvanised Rigid Ducts

Circular Ducts



Compliance

- Ducts comply with the Standards EN 1506 (dimensions) and EN 12237 (resistance and airtightness)
- Galvanised steel in compliance with standard EN 10327 guaranteeing the regularity of the coating.

Advantages

- Wide range of ducts and fittings.
- Bars of 3m and storey height elements available in stock throughout France.
- Galvanisation and thicknesses comply with the quality standards.

APPLICATION

- All air distribution ductworks.
- The storey height elements (2.47 m), designed for columns in residential buildings, are ideal for coupling with CRE multi-floor manifolds, and permit the levels to be assembled more quickly.

INSTALLATION

- Easy-to-assemble accessories, using interlocking parts: the ducts are female, the fittings are male.
- Supported by collars, strips with holes, rails, etc. (see p. 531 to 542).

DESCRIPTION

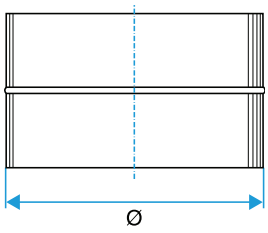
- By its nature, galvanised steel (both rigid and flexible) is classified A1 (replaces the old M0 non-combustible classification) as per the Decree of 21/11/2002.
- Straight, circular duct in galvanised steel sheet, stapled in a helix pattern in acordance with Standards EN 1506 and 12237.
- Reinforced duct with single outside beading over the diameters ≥ 630 mm.
- Maximum length 6 m.
- Ducts in metres: to be ordered by 10 minimum. Min. length = 1m/ max. = 6m; In steps of 20 mm.

RANGE R23

Ø	Weight per m (Kg)	Standard Bar (BS) 3 m Code	Standard Bar (BS) 5 m Code	Storey height floor element 2.47 m Code	Non-standard length m. Code
80	1,11	11091241	11091261		11091201
100	1,39	11091242	11091262		11091202
125	1,74	11091243	11091263	11091223	11091203
160	2,22	11091245	11091265	11091225	11091205
200	2,90	11091246	11091266	11091226	11091206
250	4,31	11091247	11091267	11091227	11091207
315	5,43	11091248	11091268	11091228	11091208
355	6,12	11091249	11091269	11091229	11091209
400	9,20	11091250	11091270	11091230	11091210
450	10,35	11091256	11091271	11091236	11091216
500	11,50	11091251	11091272	11091231	11091211
560	12,87	11091257	11091277	11091233	11091217
630	14,48	11091252	11091273	11091232	11091212
710	16,32	11091258	11091278		11091218
800	22,98	11091253	11091274		11091213
900	25,85	11091281	11091279		11091283
1000	28,73	11091254	11091275		11091214
1120	32,17	11091282	11091280		11091284
1250	35,5	11091255	11091276		11091285

Galvanised Connections

Male Coupling: RM



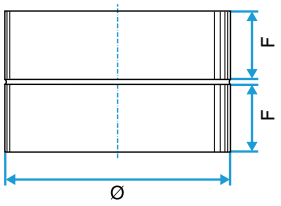
APPLICATION

• Used to connect two ducts.

RANGE R23

Ø	Code
80	11093041
100	11093042
125	11093043
160	11093045
200	11093046
250	11093047
315	11093048
355	11093049
400	11093050
450	11093051
500	11093052
560	11094130
630	11093053
710	11094131
800	11093054
900	11094132
1000	11093055
1120	11094133
1250	11094134

Female Coupling: RF



APPLICATION

• Used to connect two fittings.

RANGE R23

Ø	Code
80	11093061
100	11093062
125	11093063
160	11093065
200	11093066
250	11093067
315	11093068
355	11093069
400	11093070
450	11093071
500	11093072
560	11094135
630	11093073
710	11094136
800	11093074
900	11094137
1000	11093075
1120	11094138
1250	11094139

Galvanised Connections

"SMART access" male coupling for maintenance

APPLICATION

- Allows for the connection between two ducts whilst integrating an inspection door.
- Simplifies the respect of the NF EN 12097 French Standard on new ductwork systems.

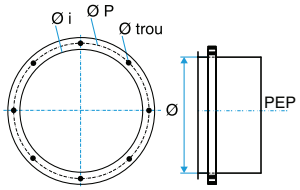
DESCRIPTION

- Male connection with seals and with integrated inspection door.
- Dimensions of the inspection access doors comply with NF EN 12097: 185 x 85 mm for Ø 125 and Ø 160; 300 x 100 mm pour Ø 200 to Ø 315.
- C Class airtight sealing.

RANGE R23

Ø	Code
125	11093056
160	11093057
200	11093058
250	11093059
315	11093060

Flat Flange Connection: RB



APPLICATION

- Rigid and removable flange connection.

INSTALLATION

- Assembled with a PEP (see p. 476) fixed at the end of each duct.
- Diameter of holes:

- 8 holes Ø 8 x 16 mm up to the Ø 250 mm flange included.
- 8 holes Ø 10 x 20 mm up to the Ø 450 mm flange included.
- 12 holes Ø 12 x 24 mm up to the Ø 630 mm flange included.
- 16 holes Ø 12 x 24 mm up to the Ø 1000 mm flange included.
- 20 holes Ø 12 x 24 mm up to the Ø 1250 mm flange included.

RANGE R23

Ø B	Ø int (mm)	Ø (mm)	Code
200	205	255	11094954
250	255	305	11094955
315	320	380	11094956
355	360	420	11094957
400	405	475	11094958
450	455	525	11094959
500	505	585	11094960
560	566	646	11094145
630	636	716	11094961
710	716	796	11094146
800	806	906	11094962
900	908	1008	11094147
1000	1008	1108	11094963

MS PRO: M0 airtight flexible sleeve

Compliance

- Classified M0 non-combustible.
- ALDES patented.
- CETIAT Test No. 2914020.

Advantages

- New generation of fan-ductwork sleeves:
- quick to install: integrated rigid connections,
- airtight: C Class, half as many leaks as airtight flexible sleeves,
- long lasting: silicon sleeve, weather resistant.

APPLICATION

- Dissociation of fan-network or network-network links.
- C Class airtight connection extending the performance of rigid ductwork with sealing fittings.
- Improved durability (silicon-coated sleeve).

DESCRIPTION

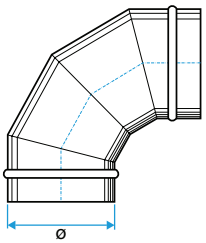
- Flexible sleeve incorporating a rigid female connection and an airtight seal at each end.
- Airtight female interlocking: directly in fan connection, plugs onto an accessory (bend or RPC or RF or ...) on the ductwork side.
- For more information, see p. 541.

RANGE R6

Ø	Code
125	11094690
160	11094691
200	11094692
250	11094693
315	11094694
355	11094695
400	11094696
450	11094697
500	11094698

Galvanised Bends

90° Bend



APPLICATION

- Enables a change in the direction of the ductwork by 90°.

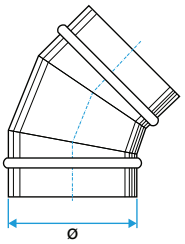
INSTALLATION

- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.
- Press-fit bends up to 250 mm diameter.
- Sectors bend from 315 mm diameter up to 1250 mm diameter.

RANGE R23

Ø	Type	Code
80	Pressed Bend	11093380
100	Pressed Bend	11093381
125	Pressed Bend	11093382
160	Pressed Bend	11093383
200	Pressed Bend	11093384
250	Pressed Bend	11093385
315	Sector Bend	11093308
355	Sector Bend	11093309
400	Sector Bend	11093310
450	Sector Bend	11093311
500	Sector Bend	11093312
560	Sector Bend	11094110
630	Sector Bend	11093313
710	Sector Bend	11094111
800	Sector Bend	11093314
900	Sector Bend	11094112
1000	Sector Bend	11093315
1120	Sector Bend	11094113
1250	Sector Bend	11094114

45° Bend



APPLICATION

- Enables a change in the direction of the ductwork by 45°.

INSTALLATION

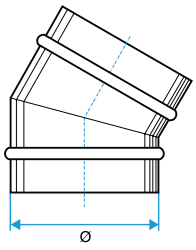
- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.
- Press-fit bends up to 250 mm diameter.
- Sector bends from 315 mm diameter up to 1250 mm diameter.

RANGE R23

Ø	Type	Code
80	Pressed Bend	11093387
100	Pressed Bend	11093388
125	Pressed Bend	11093389
160	Pressed Bend	11093390
200	Pressed Bend	11093391
250	Pressed Bend	11093392
315	Sector Bend	11093348
355	Sector Bend	11093349
400	Sector Bend	11093350
450	Sector Bend	11093351
500	Sector Bend	11093352
560	Sector Bend	11094120
630	Sector Bend	11093353
710	Sector Bend	11094121
800	Sector Bend	11093354
900	Sector Bend	11094122
1000	Sector Bend	11093355
1120	Sector Bend	11094123
1250	Sector Bend	11094124

Galvanised Bends

30° Bend



APPLICATION

- Enables a change in the direction of the ductwork by 30°.

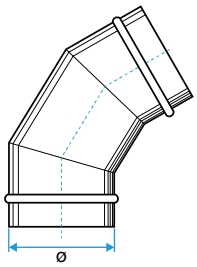
INSTALLATION

- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø	Type	Code
125	Sector Bend	11093363
160	Sector Bend	11093365
200	Sector Bend	11093366
250	Sector Bend	11093367
315	Sector Bend	11093368
355	Sector Bend	11093369
400	Sector Bend	11093370
450	Sector Bend	11093371
500	Sector Bend	11093372
560	Sector Bend	11094125
630	Sector Bend	11093373
710	Sector Bend	11094126
800	Sector Bend	11093374
900	Sector Bend	11094127
1000	Sector Bend	11093375
1120	Sector Bend	11094128
1250	Sector Bend	11094129

60° Bend



APPLICATION

- Enables a change in the direction of the ductwork by 60°.

INSTALLATION

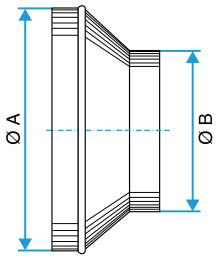
- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø	Type	Code
125	Sector Bend	11093323
160	Sector Bend	11093325
200	Sector Bend	11093326
250	Sector Bend	11093327
315	Sector Bend	11093328
355	Sector Bend	11093329
400	Sector Bend	11093330
450	Sector Bend	11093331
500	Sector Bend	11093332
560	Sector Bend	11094115
630	Sector Bend	11093333
710	Sector Bend	11094116
800	Sector Bend	11093334
900	Sector Bend	11094117
1000	Sector Bend	11093335
1120	Sector Bend	11094118
1250	Sector Bend	11094119

Galvanised Reducing Connections

Concentric Conical Reducing Connection: RCC



APPLICATION

- Used to interconnect two ducts with different diameters of ducts.

INSTALLATION

- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

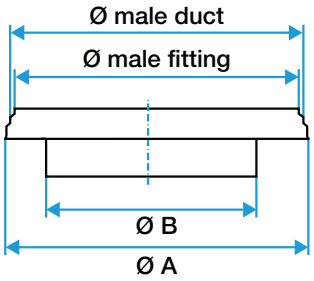
Ø A	Ø B	Code
100	80	11093500
125	100	11093501
	80	11093502
160	125	11093503
	100	11093504
	80	11093505
200	160	11093506
	125	11093507
	100	11093508
250	200	11093509
	160	11093510
	125	11093511
315	250	11093512
	200	11093513
	160	11093514

Ø A	Ø B	Code
355	315	11093516
	250	11093517
	200	11093518
400	355	11093521
	315	11093522
	250	11093523
	200	11093524
450	400	11093548
	355	11094670
	315	11094671
	250	11094672
500	450	11093547
	400	11093527
	355	11093528
	315	11093529
	250	11093530
560	500	11094063
	450	11094064
	400	11094065
	355	11094066
	315	11094067
630	560	11094669
	500	11093534
	450	11093546
	400	11093535
	355	11093536
	315	11093537

Ø A	Ø B	Code
710	630	11094068
	560	11094069
	500	11094070
	450	11094071
	400	11094072
800	710	11094073
	630	11093940
	560	11094074
	500	11093941
	450	11093943
	400	11093942
900	800	11094075
	710	11094076
	630	11094077
	560	11093944
	500	11093945
1000	900	11094078
	800	11093949
	710	11094079
	630	11093950
	560	11093952
	500	11093951
1120	1000	11094080
	900	11094081
	800	11094082
1250	1120	11094083
	1000	11094084
	900	11094085

Galvanised Reducing Connections

Concentric Flat Reducing Connecting: RPC



APPLICATION

- Used to interconnect two ducts with different diameters the minimum possible length.
- Reduction connection has to be avoided for air supply ducts due to the pressure drop generated: Use an RCC.

INSTALLATION

- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø A	Ø B	Code
125	80	11093452
160	125	11093453
	100	11093454
	80	11093455
200	160	11093456
	125	11093457
	100	11093458
250	200	11093459
	160	11093460
	125	11093461

Ø A	Ø B	Code
315	250	11093462
	200	11093463
	160	11093464
	125	11093465
355	315	11093466
	250	11093467
	200	11093468
	160	11093469
	125	11093470
400	355	11093471
	315	11093472
	250	11093473
	200	11093474
	160	11093475
	125	11093476
450	400	11093496
	355	11093497
	315	11093498
	250	11094675
	200	11093827
	160	11093828
	125	11093829

Ø A	Ø B	Code
500	450	11093493
	400	11093477
	355	11093478
	315	11093479
	250	11093480
	200	11093481
	160	11093482
	125	11093483
560	500	11093930
	450	11093931
	400	11093932
	355	11093933
	315	11093934
	250	11093935
	200	11093936
	160	11093937
	125	11093938
630	560	11093451
	500	11093484
	450	11093495
	400	11093485
	355	11093486
	315	11093487
	250	11093488
	200	11093489
	160	11093490
	125	11093491

Galvanised Connection casings

Connection Casing: CP and CP2A

Compliances

- Equipment meets the requirements of DTU 68-2/ 6.46.

Advantages

- CP 2A exclusive Aldes patent.
- 35% decrease in pressure losses in relation to a standard CP.
- Improved sound attenuation: - 7dB (A) on the radiated noise by the fan, - 3dB (A) better than a standard CP.
- Reduction in fan energy consumption.
- The column remains accessible.

APPLICATION

- Connection casing specifically designed for columns emerging from attics or terraced roofs for which the airtight reading is made before fitting the casing-connection (> 95 % of cases).
- Equipment meets the requirements of the DTU 68-2.
- CP 2A Version (aeraulics/ sound attenuation): 35 % decrease in pressure loss (i.e. -7 Pa at 4 m/s) and noise attenuation of the fan (-7dB (A) approx.).
- The aeraulic characteristics of the CP2A decrease the pressure loss necessary for the fan and can therefore allow you to choose a less powerful fan, thus less noisy and less energy consuming fan.

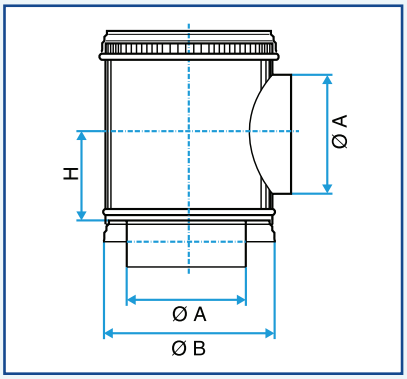
DESCRIPTION

- Reduced dimensions to facilitate installation.
- Stop ring on the body to maintain the plug in a stable position: limits the risk of leaks.
- 2A Version:

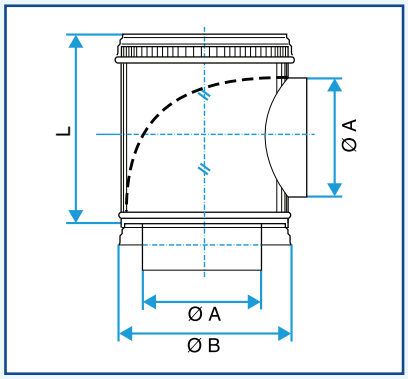
- Acoustics: M1 acoustic foam with high level of sound attenuation,
- Aeraulics: sheet metal deflector can be dismantled without tools.

- L = 300 mm for Ø B = 200 mm,
- L = 415 mm for Ø B from 250 to 450 mm,
- L = 665 mm for Ø B f 500 to 630 mm,

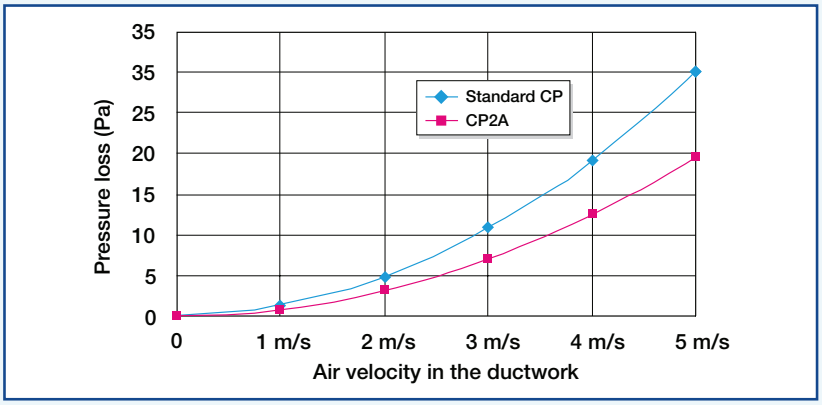
TECHNICAL DETAILS



CP



CP 2A



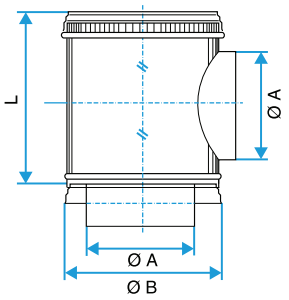
- Sound attenuation of the CP2A is due to 2 phenomena:
- The acoustic pressure drop due to the shape of the CP itself; this pressure drop will mainly reduce noise on frequencies of < 500 Hz,
- The high density acoustic foam of the CP2A; this foam will mainly reduce noise on frequencies of > 500 Hz.
- In this way on low frequencies, the CP2A is complementary to the passive silencer.

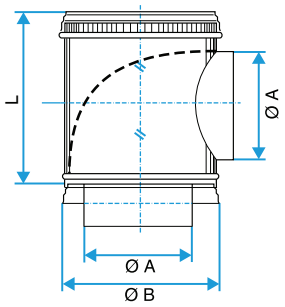
RANGE R23

Ø A	Ø B	Sound Attenuation/ Aeraulics Code	Standard Code
125	200	11093922	11093609
160	250	11093923	11093601
200	315	11093924	11093602
250	355	11093925	11093603
315	400	11093926	11093604
355	500	11093927	11093605
400	560	11093928	11093628
450	630	11093929	11093608
500	630	11093947	11093607

Galvanised Connections Casing

Connection Casing for airtightness readings: CPT and CPT 2A





APPLICATION

- Specific connection casing for columns emerging from terrace roofs for which the airtightness reading is carried out after fitting the CPT.
- Equipment in compliance with the DTU 68-2 requirements and which facilitates airtightness readings on terraced roofs.
- CPT 2A Version: -35 % in pressure losses and attenuation of the noise from the fan (about 7 dB (A)).
- Ø > 315, take a CP (Ø B - Ø A ≥ 100 mm as from 355).

DESCRIPTION

- Ø B - Ø A ≥ 100 mm allowing for carrying out airtightness readings on terraced roofs.
- Stop ring on the body to maintain the plug in a stable position: limits the risk of leaks.
- 2A Version: see CP2A.
- Installation on a flat roof penetration sleeve: See page 503.

RANGE R23

Ø A	Ø B	Sound Attenuation - Airflows Code	Standard Code
125	250	11094860	11094871
160	315	11094861	11094872
200	355	11094862	11094873
250	400	11094863	11094874
315	450	11094864	11094875

Galvanised Connection casings

2A deflector for CP/CPC and CPT

Advantages

- Ideal for improving the operation of an existing installation:
- considerable decrease in the radiated noise by the fan,
- increase in available pressure at the grilles,
- reduction in fan energy consumption.

APPLICATION

- Deflector is inserted into existing CPC and CPT in order to improve the performance of existing installations.
- Reduces pressure losses on the CPC or CPT by 35 %
- Reduces fan noise (-3 dB (A) in addition to the installed connection casing).

INSTALLATION

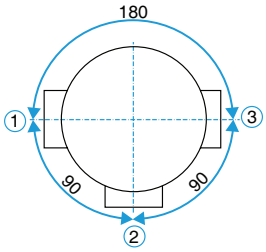
- Can be installed without tools in existing connection casings.
- Can be fitted by simple elastic folding of the sheet metal + foam assembly (photos opposite).

RANGE R23

Type and airflow (m^3/h)	Dimensions	Code
CP & CPC	125/200	11093878
CP & CPC	160/250	11093879
CP & CPC	200/315	11093880
CP & CPC	250/355	11093881
CP & CPC	315/400	11093882
CP/CPC & CPT	355/500	11093883
CP/CPC & CPT	400/560	11093884
CP/CPC & CPT	450/630	11093885
CP/CPC & CPT	500/630	11093886
CPT	125/250	11093888
CPT	160/315	11093889
CPT	200/355	11093890
CPT	250/400	11093891
CPT	315/450	11093892

Galvanised Multi-floor Manifold

CRE Standard



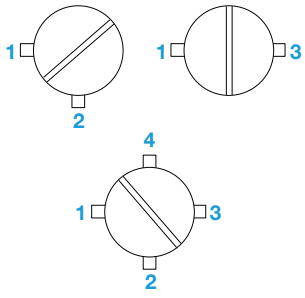
APPLICATION

- Allow to connect from 1 to 4 - Ø 125 mm connection(s) on the vertical column.
- Guarantees an installation without leakage or excessive pressure drops from connections.
- Complementary to standard storey height elements (2.47m)
- Height 400mm up to Ø 355 mm; 490 mm beyond that.

RANGE R23

Ø A	1/125 Code	1/125 2/125 Code	1/125 3/125 Code	1/125 2/125 3/125 Code	1/125 2/125 3/125 4/125 Code
125	11093899	11093898	11093897		
160	11093700	11093704	11093702	11093707	
200	11093711	11093715	11093713	11093718	
250	11093722	11093726	11093724	11093729	11093733
315	11093735	11093739	11093737	11093742	11093746
355	11093748	11093752	11093750	11093755	11093759
400	11093761	11093765	11093763	11093768	11093772
500	11093774	11093778	11093776	11093781	11093785
630	11093787	11093791	11093789	11093794	11093798

CRE – Multi-floor manifold



Compliances

- As per French Technical Notice 14/01-1034.
- Complies with the NRA and DTU Acoustic Regulations.

Advantages

- 2 individual dwellings connected to a single CRE.
- Reduction in the number of ducts thereby saving useful surface area.

APPLICATION

- Allow to connect between 1 and 6 connection(s) of 125 diameter for two separate apartments on a single vertical duct.
- Guarantees an installation without leakage or excessive pressure drop from connections.

DESCRIPTION

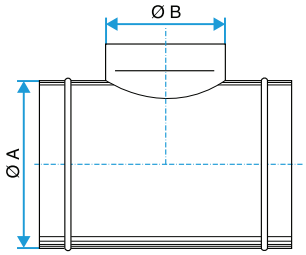
- Height H = 800 mm.

RANGE R23

Ø A	1/125 2/125 Code	1/125 3/125 Code	1/125 2/125 3/125 4/125 Code
200	11093900	11093901	11093902
250	11093903	11093904	11093905
315	11093906	11093907	11093035
355	11093908	11093909	11093910
400	11093912	11093913	11093914
450	11093916	11093917	11093918

Galvanised T-branches

T – Piece: TE 90°



APPLICATION

- Used for connecting two ductwork branches with an angle of 90°.
- Guarantees an installation without leakage or excessive pressure drop from connections.

INSTALLATION

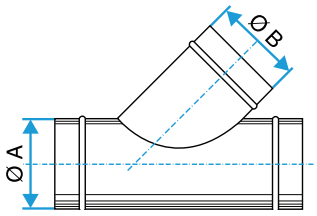
- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø A	Ø B	Code
80	80	11093102
100	100	11093104
	80	11093105
125	125	11093107
	100	11093108
	80	11093109
160	160	11093111
	125	11093112
	100	11093113
	80	11093114
200	200	11093116
	160	11093117
	125	11093118
	100	11093119
	80	11093120
250	250	11093122
	200	11093123
	160	11093124
	125	11093125
315	315	11093129
	250	11093130
	200	11093131
	160	11093132
	125	11093133
355	355	11093135
	315	11093136
	250	11093137
	200	11093138
	160	11093139
	125	11093140
400	400	11093142
	355	11093143
	315	11093144
	250	11093145
	200	11093146
	160	11093147
	125	11093148
450	450	11093195
	355	11093197
	250	11093199
	400	11093196
	315	11093198
450	200	11094173
	160	11094174
	125	11094175
500	500	11093150
	450	11093188
	400	11093151
	355	11093152
	315	11093153
	250	11093154
	200	11093155
	160	11093156
	125	11093157
560	560	11094001
	500	11094002
	450	11094003
	400	11094004
	355	11094005
	315	11094006
	250	11094176
	200	11094177
	160	11094178
630	630	11093159
	500	11093160
	450	11093187
	400	11093161
	355	11093162
	315	11093163
	250	11093164
	200	11093165
	160	11093166
710	710	11094007
	630	11094008
	560	11094009
	500	11094010
	450	11094011
	400	11094012
	355	11094179
	315	11094180
	250	11094181
	200	11094182
	160	11094183
800	800	11093168
	710	11094184
	630	11093169
	560	11094185
	500	11093170
	450	11094013
	400	11093171
	355	11093172
	315	11093173
	250	11093174
	200	11093175
	160	11093176
900	900	11094014
	800	11094015
	710	11094016
	630	11094017
	560	11094186
	500	11094187
	450	11094188
	400	11094189
	355	11094190
	315	11094191
	250	11094192
	200	11094193
	160	11094194
1000	1000	11093177
	900	11094019
	800	11093178
	710	11094021
	630	11093179
	560	11094023
	500	11093180
	450	11094195
	400	11093181
	355	11093182
	315	11093183
	250	11093184
	200	11093185
	160	11093186
1120	1120	11094024
	1000	11094025
	900	11094026
	800	11094027
	710	11094196
	630	11094197
	560	11094198
	500	11094199
	450	11093801
	400	11093802
	355	11093803
	315	11093804
	250	11093805
	200	11093806
1250	1250	11094028
	1120	11094029
	1000	11094030
	900	11094031
	800	11093807
	710	11093808
	630	11093809
	560	11093810
	500	11093811
	450	11093812
	400	11093813
	355	11093814
	315	11093815
	250	11093816

Galvanised T-branches

Oblique T-Branch: TO 45°



APPLICATION

- Used for connecting two ductwork branches with an angle of 45°.
- The TO are to be given preference over the TE in the case of an air supply ductwork.
- Guarantees an installation without leakage or excessive pressure drop from connections.

INSTALLATION

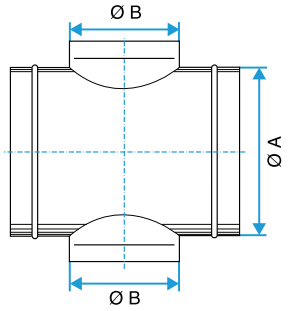
- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø A	Ø B	Code
80	80	11093202
100	100	11093204
	80	11093205
125	125	11093207
	100	11093208
	80	11093209
160	160	11093211
	125	11093212
	100	11093213
	80	11093214
200	200	11093216
	160	11093217
	125	11093218
	100	11093219
	80	11093220
250	250	11093222
	200	11093223
	160	11093224
	125	11093225
315	315	11093229
	250	11093230
	200	11093231
	160	11093232
	125	11093233
355	355	11093235
	315	11093236
	250	11093237
	200	11093238
	160	11093239
	125	11093240
400	400	11093242
	355	11093243
	315	11093244
	250	11093245
	200	11093246
	160	11093247
	125	11093248
450	450	11093295
	400	11093296
	355	11093297
	315	11093298
	250	11093299
450	200	11093834
	160	11093835
	125	11093836
500	500	11093250
	450	11094169
	400	11093251
	355	11093252
	315	11093253
	250	11093254
	200	11093255
	160	11093256
	125	11093257
560	560	11094032
	500	11094033
	450	11094034
	400	11094035
	355	11094036
	315	11094037
	250	11093837
	200	11093838
	160	11093839
630	630	11093259
	500	11093260
	450	11094170
	400	11093261
	355	11093262
	315	11093263
	250	11093264
	200	11093265
	160	11093266
710	710	11094038
	630	11094039
	560	11094040
	500	11094041
	450	11094042
	400	11094043
	355	11093840
	315	11093841
	250	11093842
	200	11093843
	160	11093844
800	800	11093268
	710	11093845
	630	11093269
	560	11093846
	500	11093270
	450	11094044
	400	11093271
	355	11093272
	315	11093273
	250	11093274
	200	11093275
	160	11093276
900	900	11094045
	800	11094046
	710	11094047
	630	11094048
	560	11093847
	500	11093848
	450	11093849
	400	11093850
	355	11093851
	315	11093852
	250	11093853
	200	11093854
	160	11093855
1000	1000	11093277
	900	11094050
	800	11093278
	710	11094052
	630	11093279
	560	11094054
	500	11093280
	450	11093856
	400	11093281
	355	11093282
	315	11093283
	250	11093284
	200	11093285
	160	11093286

Galvanised T-branches

Square Cross: CXE



APPLICATION

- Allows connection of a duct towards three branches at 90° to each other.
- Guarantees an installation without leakage or excessive pressure drop from connections.

INSTALLATION

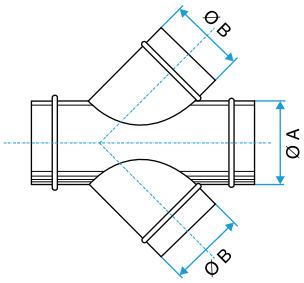
- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø A	Ø B	Code
80	80	11094202
100	100	11094204
	80	11094205
125	125	11094207
	100	11094208
	80	11094209
160	160	11094211
	125	11094212
	100	11094213
	80	11094214
200	200	11094216
	160	11094217
	125	11094218
	100	11094219
	80	11094220
250	250	11094222
	200	11094223
	160	11094224
	125	11094225
315	315	11094229
	250	11094230
	200	11094231
	160	11094232
	125	11094233
355	355	11094235
	315	11094236
	250	11094237
	200	11094238
	160	11094239
	125	11094240
400	400	11094242
	355	11094243
	315	11094244
	250	11094245
	200	11094246
	160	11094247
	125	11094248
450	450	11097096
	400	11097097
	355	11097098
	315	11097099
	250	11097100
	200	11097101
	160	11097102
	125	11097103
500	500	11094250
	450	11097145
	400	11094251
	355	11094252
	315	11094253
	250	11094254
	200	11094255
	160	11094256
	125	11094257
560	560	11097104
	500	11097105
	450	11097106
	400	11097107
	355	11097108
	315	11097109
	250	11097110
	200	11097111
	160	11097112
630	630	11094259
	500	11094260
	400	11094261
	355	11094262
	315	11094263
	250	11094264
	200	11094265
	160	11094266
710	710	11097114
	630	11097115
	560	11097116
	500	11097117
	450	11097118
	400	11097119
	355	11097120
	315	11097121
	250	11097122
	200	11097123
	160	11097124
800	800	11094268
	710	11097125
	630	11094269
	560	11097126
	500	11094270
	450	11097140
	400	11094271
	355	11094272
	315	11094273
	250	11094274
	200	11094275
	160	11094276

Galvanised T-branches

Oblique Cross Piece: CXO



APPLICATION

- Allows connection of a duct towards three branches at 45° to each other.
- Guarantees an installation without leakage or excessive pressure drop from connections.

INSTALLATION

- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

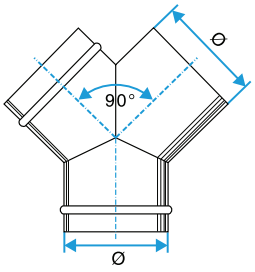
Ø A	Ø B	Code
80	80	11094302
100	100	11094304
	80	11094305
125	125	11094307
	100	11094308
	80	11094309
160	160	11094311
	125	11094312
	100	11094313
	80	11094314
200	200	11094316
	160	11094317
	125	11094318
	100	11094319
	80	11094320
250	250	11094322
	200	11094323
	160	11094324
	125	11094325
315	315	11094329
	250	11094330
	200	11094331
	160	11094332
	125	11094333

Ø A	Ø B	Code
355	355	11094335
	315	11094336
	250	11094337
	200	11094338
	160	11094339
	125	11094340
400	400	11094342
	355	11094343
	315	11094344
	250	11094345
	200	11094346
	160	11094347
	125	11094348
450	450	11097147
	400	11097148
	355	11097149
	315	11097150
	250	11097151
	200	11097152
	160	11097153
	125	11097154
500	500	11094350
	450	11097156
	400	11094351
	355	11094352
	315	11094353
	250	11094354
	200	11094355
	160	11094356
	125	11094357
560	560	11097157
	500	11097158
	450	11097159
	400	11097160
	355	11097161
	315	11097162
	250	11097163
	200	11097164
	160	11097165

Ø A	Ø B	Code
630	630	11094359
	500	11094360
	400	11094361
	355	11094362
	315	11094363
	250	11094364
	200	11094365
	160	11094366
710	710	11097167
	630	11097168
	560	11097169
	500	11097170
	450	11097171
	400	11097172
	355	11097173
	315	11097174
	250	11097175
	200	11097176
	160	11097177
800	800	11094368
	710	11097178
	630	11094369
	560	11097179
	500	11094370
	450	11097146
	400	11094371
	355	11094372
	315	11094373
	250	11094374
	200	11094375
	160	11094376

Galvanised T-branches

90°Y-branch: CS 90°



APPLICATION

- Confluence of 2 ductwork branches at 90° to each other.
- Aeraulic design means limited pressure loss, especially when used for air supply.

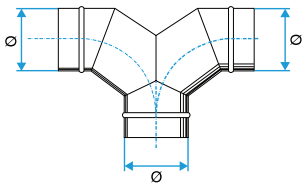
INSTALLATION

- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø	Code
80	11093081
100	11093082
125	11093083
160	11093085
200	11093086
250	11093087
315	11093088
355	11093089
400	11093090
450	11093091
500	11093092
560	11093821
630	11093093
710	11093822
800	11093094

180°Y-branch: CS 180°



APPLICATION

- Confluence of 2 ductwork branches at 180°.
- Aeraulic design means limited pressure loss, especially when used for air supply.

INSTALLATION

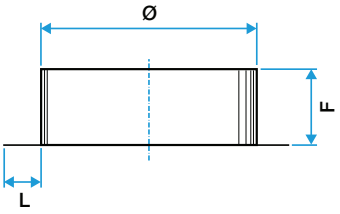
- Easy-to-assemble fittings, using interlocking parts: the ducts are female, the fittings are male.

RANGE R23

Ø	Code
80	11093631
100	11093632
125	11093633
160	11093635
200	11093636
250	11093637
315	11093638
355	11093639
400	11093640
450	11093641
500	11093642
560	11093824
630	11093643
710	11093825
800	11093644

Galvanised Connections

Take-off: PEP 90°



APPLICATION

- 90°branches on a flat surface.

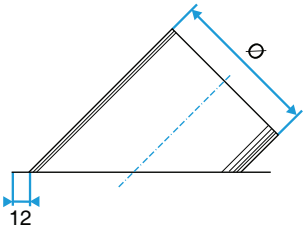
INSTALLATION

- Pay attention to potential pressure drop, noise and leakage which could happen during the installation process.

RANGE R23

Ø	Code
80	11094611
100	11094612
125	11094613
160	11094614
200	11094615
250	11094616
315	11094617
355	11094618
400	11094619
450	11094624
500	11094620
560	11094140
630	11094621
710	11094141
800	11094622
900	11094142
1000	11094623
1120	11094143
1250	11094144

Oblique Take-off: POP 45°



APPLICATION

- 45°branches on a flat surface.

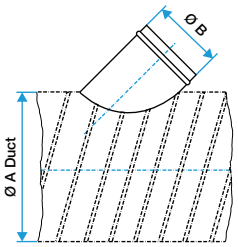
INSTALLATION

- Pay attention to potential pressure drops, noise and leakage which could happen during the installation process.

RANGE R23

Ø	Code
100	11097360
125	11097361
160	11097362
200	11097363
250	11097364
315	11097365
355	11097366
400	11097367
450	11097368
500	11097369
560	11097370
630	11097371
710	11097372
800	11097373
900	11097374
1000	11097375

Oblique Collar Saddle: POC



APPLICATION

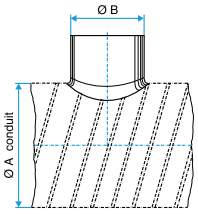
- Connection at 45°on a circular duct.
- Pay attention to potential pressure drop, noise which could happen during the installation process.

RANGE R23

Ø B	Ø A	Code
80	125	11097355
	160	11097356
	200	11097357
100	100	11097197
	125	11097198
	160	11097200
	200	11097201
	250	11097202
	315	11097203
	355	11097204
	400	11097205
	450	11097206
	500	11097207
	560	11097208
	630	11097209
125	125	11097210
	160	11097212
	200	11097213
	250	11097214
	315	11097215
	355	11097216
	400	11097217
	450	11097218
	500	11097219
	560	11097220
	630	11097221
160	160	11097222
	200	11097223
	250	11097224
	315	11097225
	355	11097226
	400	11097227
	450	11097228
	500	11097229
	560	11097230
	630	11097231
	710	11097232
	800	11097233
	900	11097234
200	200	11097236
	250	11097237
	315	11097238
	355	11097239
	400	11097240
	450	11097241
	500	11097242
	560	11097243
200	630	11097244
	710	11097245
	800	11097246
	900	11097247
	1000	11097248
	1120	11097249
250	250	11097250
	315	11097251
	355	11097252
	400	11097253
	450	11097254
	500	11097255
	560	11097256
	630	11097257
	710	11097258
	800	11097259
	900	11097260
	1000	11097261
	1120	11097262
	1250	11097263
315	315	11097264
	355	11097265
	400	11097266
	455	11097267
	500	11097268
	560	11097269
	630	11097270
	710	11097271
	800	11097272
	900	11097273
	1000	11097274
	1120	11097275
	1250	11097276
355	355	11097277
	400	11097278
	450	11097279
	500	11097280
	560	11097281
	630	11097282
	710	11097283
	800	11097284
	900	11097285
	1000	11097286
	1120	11097287
	1250	11097288
400	400	11097289
	450	11097290
	500	11097291
	560	11097292
	630	11097293
	710	11097294
	800	11097295
	900	11097296
	1000	11097297
	1120	11097298
	1250	11097299
450	450	11097300
	500	11097301
	560	11097302
	630	11097303
	710	11097304
	800	11097305
	900	11097306
	1000	11097307
	1120	11097308
	1250	11097309
500	500	11097310
	560	11097311
	630	11097312
	710	11097313
	800	11097314
	900	11097315
	1000	11097316
	1120	11097317
	1250	11097318
560	560	11097319
	630	11097320
	710	11097321
	800	11097322
	900	11097323
	1000	11097324
	1120	11097325
	1250	11097326
630	630	11097327
	710	11097328
	800	11097329
	900	11097330
	1000	11097331
	1120	11097332
	1250	11097333
710	710	11097334
	800	11097335
	900	11097336
	1000	11097337
	1120	11097338
	1250	11097339
800	800	11097340
	900	11097341
	1000	11097342
	1120	11097343
	1250	11097344
900	900	11097345
	1000	11097346
	1120	11097347
	1250	11097348
1000	1000	11097349
	1120	11097350
	1250	11097351

Galvanised Connections

Collar Saddle: PEC



APPLICATION

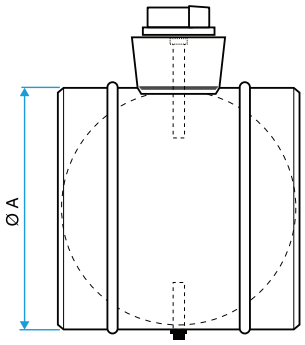
- Connection at 90°on a circular duct.
- Pay attention to potential pressure drop, noise which could happen during the installation process.

RANGE R23

Ø B	Ø A	Code
80	80	11094570
	100	11094571
	125	11094572
	160	11094573
	200	11094573
	250	11094574
	315	11094574
	355	11094574
100	100	11094575
	125	11094576
	160	11094577
	200	11094578
	250	11094545
	315	11094545
	355	11094547
	400	11094547
	450	11094547
	500	11094547
	560	11097001
	630	11094548
125	125	11094541
	160	11094542
	200	11094543
	250	11094544
	315	11094544
	355	11094546
	400	11094546
	450	11094546
	500	11094546
	560	11097002
	630	11094549
160	160	11094501
	200	11094502
	250	11094503
	315	11094504
	355	11094504
	400	11094504
	450	11094505
	500	11094507
	560	11097003
	630	11094535
	710	11097004
	800	11097005
	900	11097006
	1000	11097007
200	200	11094508
	250	11094509
	315	11094510
	355	11094510
	400	11094512
	450	11094506
	500	11094513
	560	11097008
	630	11094536
	710	11097009
	800	11097010
	900	11097011
	1000	11097012
	1120	11097013
250	250	11094514
	315	11094515
	355	11094516
	400	11094517
	450	11094517
	500	11094518
	560	11097014
	630	11094537
	710	11097015
	800	11097016
	900	11097017
	1000	11097018
	1120	11097019
	1250	11097020
315	315	11094519
	355	11094521
	400	11094522
	450	11094511
	500	11094523
	560	11097021
	630	11094538
	710	11097022
	800	11097023
	900	11097024
	1000	11097025
	1120	11097025
	1250	11097027
355	355	11094524
	400	11094525
	450	11094550
	500	11094526
	560	11097028
	630	11094539
	710	11097029
	800	11097030
	900	11097031
	1000	11097032
	1120	11097033
	1250	11097034
400	400	11094527
	450	11094551
	500	11094528
	560	11097035
	630	11094529
	710	11097036
	800	11097037
	900	11097038
	1000	11097039
400	1120	11097040
	1250	11097041
450	450	11094520
	500	11094532
	560	11097042
	630	11094534
	710	11097043
	800	11097044
	900	11097045
	1000	11097046
	1120	11097047
	1250	11097048
500	500	11094530
	560	11097049
	630	11094531
	710	11097050
	800	11097051
	900	11097052
	1000	11097053
	1120	11097054
	1250	11097055
560	560	11094155
	630	11097056
	710	11097057
	800	11097058
	900	11097059
	1000	11097060
	1120	11097061
	1250	11097062
630	630	11094533
	710	11097063
	800	11097064
	900	11097065
	1000	11097066
	1120	11097067
	1250	11097068
710	710	11094156
	800	11097069
	900	11097070
	1000	11097071
	1120	11097072
	1250	11097073
800	800	11094157
	900	11097074
	1000	11097075
	1120	11097076
	1250	11097077
900	900	11094158
	1000	11097078
	1120	11097079
	1250	11097080
1000	1000	11094159
	1120	11097081
	1250	11097082
1120	1120	11094160
	1250	11097083
1250	1250	11094161

Galvanised volume dampers.

Volume Dampers RG/ RGP



APPLICATION

- RG: Used for pressure adjustment in aeraulic ductwork branches.
- RGP: Used to provide more accurate levels of pressure adjustment than standard dampers; avoids have a completely close branch.

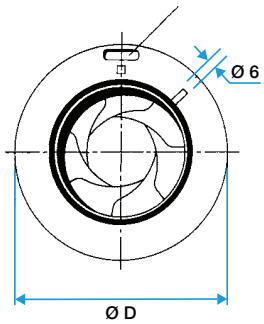
DESCRIPTION

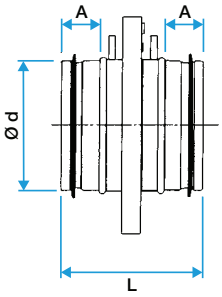
- Body and diaphragm are in galvanised steel.
- RGP: perforated disk with 40 % of free area, Ø 5 mm holes;
- Through shafts in lexan M1 up to d315, and steel from d355 to d630.
- Adjustable handle can be locked by screws.
- Upper jumper allows for external insulation.
- All the RG/RGP volume dampers can be motorised with code 11055122 (see RGE).
- Beyond Ø 630 mm, for mechanical strength reasons, provide for a CRGE type volume control damper with connecting plates to the Ø of the ductwork.

RANGE R23

Ø	RG Code	RGP Code
80	11094439	
100	11094440	
125	11094441	11094581
160	11094442	11094582
200	11094443	11094583
250	11094444	11094584
315	11094445	11094585
355	11094446	11094586
400	11094447	11094587
450	11094448	11094588
500	11094449	11094589
560	11094450	11094590
630	11094451	11094591

Iris Damper





APPLICATION

- Allows for fine adjustment to be made to the airflow in a branch of the duct network.
- Integrated airflow/ pressure plugs (Ø 6 mm): measurement devices (page 395).
- Operating range: -20° C/ +80° C.

DESCRIPTION

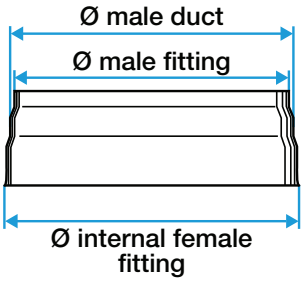
- Iris damper with highly accurate adjustment of the diaphragm by hexagonal nut.
- Seals on the connection sleeves.
- Adjustment tolerance 7 % on the airflow rate.

RANGE R23

Ø A	Code
100	11055090
125	11055091
160	11055092
200	11055093
250	11055094
315	11055095
400	11055096
500	11055097
630	11055098
800	11055099

Galvanised End Caps

Male/ Female End Cap: BMF



APPLICATION

- Plug compatible for use on an accessory as for a duct.

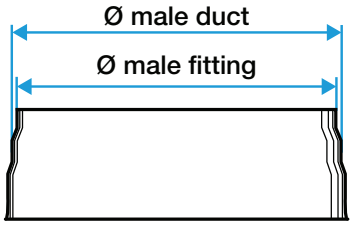
INSTALLATION

- Male part to plug up a duct.
- Female part to plug up an accessory.

RANGE R23

Ø	Code
80	11093401
100	11093402
125	11093403
160	11093405
200	11093406
250	11093407
315	11093408
355	11093409
400	11093410
450	11093411
500	11093412
560	11094150
630	11093413
710	11094151
800	11093414
900	11094152
1000	11093415
1120	11094153
1250	11094154

Mesh End Cap – with Handle: BMG - BMP



APPLICATION

- BMG: BMG Mesh end cap.
- BMP: End cap with handle to make removal easier.

INSTALLATION

- Plugs directly into a duct.

RANGE R23

Ø	BMG Code	BMP Code
80	11094920	
100	11094921	
125	11094922	11093423
160	11094923	11093425
200	11094924	11093426
250	11094925	11093427
315	11094926	11093428
355	11094927	11093429
400	11094928	11093430
450	11094929	11093431
500	11093818	11093432
560	11093819	11093817
630	11093820	11093433

Galvanised Airthightness

Sealing Head Guard

APPLICATION

- Ensures airtight sealing in roof penetrations.

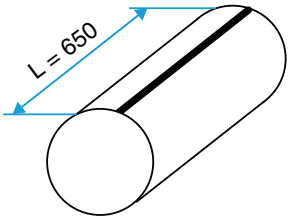
INSTALLATION

- Adjustment with two screws allowing it to fit male or female diameters.
- The final seal is carried out on-site using mastic or silicon.

RANGE R23

Ø	Code
100	11094776
125	11094777
160	11094778
200	11094779
250	11094780
315	11094781
355	11094782
400	11094783
450	11094784
500	11094785
560	11094786
630	11094787

Flat roof penetration sleeve: FT



APPLICATION

- Flat roof penetration sleeve in compliance with the requirements of DTU 68-2.
- Installed using a CPT.

RANGE R23

Ø (mm)	Ø A	Code
160	125	11094601
200	160	11094602
250	200	11094603
315	250	11094604
355	315	11094605
400	355	11094606
450	400	11094607
500	450	11094610
550	500	11094608
680	630	11094609