




DOUBLE WALL ROUND DUCT & FITTINGS

KGL



Dimensions



Description

- Thermal Double Wall Duct
- Outer Shell: Solid Galvanized Steel
- Inner Shell: Solid Galvanized Steel
- Insulation 25mm or 50 mm
- Insulation Density: 24 kg/m³ as standard, other densities available on request.

Note: PKG Profile is used for inner and outer shell to strengthen the duct when needed.

Ordering


Product Code: KGL - aaa / bbb

Type _____

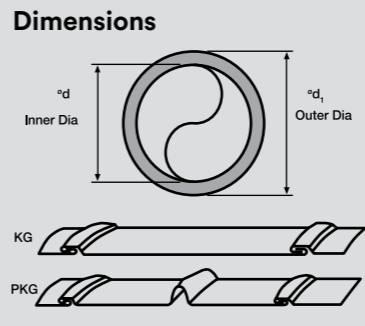
∅d _____

∅d₁ _____

KGS



Dimensions



Description

- Acoustic Double Wall Duct
- Outer Shell: Solid Galvanized Steel
- Inner Shell: Perforated Galvanized Steel
- Insulation 25mm or 50 mm
- Insulation Density: 24 kg/m³ as standard, other densities available on request.

Note: PKG Profile is used for inner and outer shell to strengthen the duct when needed.

Ordering

Product Code: KGS - aaa / bbb

Type _____

∅d _____

∅d₁ _____

Duct Size (mm)			
∅d Inner	∅d ₁ Outer	L ₁ std.	L ₂ mm
100	152	6	3
125	180	6	3
140	180	6	3
160	200	6	3
180	224	6	3
200	250	6	3
224	280	6	3
250	305	6	3
280	325	6	3
305	355	6	3
350	400	6	3
400	450	6	3
450	500	6	3
500	550	6	3
550	600	6	3

∅d Inner	∅d ₁ Outer	L ₁ std.	L ₂ mm
630	680	6	3
700	750	6	3
800	850	6	3
900	950	6	3
1000	1062	6	3
1120	1187	6	3
1250	1300	6	3
1300	1350	6	3
1400	1450	6	3
1450	1500	6	3
1500	1550	6	3
1550	1600	6	3
1600*	1700	6	3

*50mm thick insulation for diameters 1600 mm and above.

Duct Size (mm)			
∅d Inner	∅d ₁ Outer	L ₁ std.	L ₂ mm
100	152	6	3
125	180	6	3
140	180	6	3
160	200	6	3
180	224	6	3
200	250	6	3
224	280	6	3
250	305	6	3
280	325	6	3
305	355	6	3
350	400	6	3
400	450	6	3
450	500	6	3
500	550	6	3
550	600	6	3

∅d Inner	∅d ₁ Outer	L ₁ std.	L ₂ mm
630	680	6	3
700	750	6	3
800	850	6	3
900	950	6	3
1000	1062	6	3
1120	1187	6	3
1250	1300	6	3
1300	1350	6	3
1400	1450	6	3
1450	1500	6	3
1500	1550	6	3
1550	1600	6	3
1600*	1700	6	3

*50mm thick insulation for diameters 1600 mm and above.

CONSTRUCTION & STANDARD SIZES

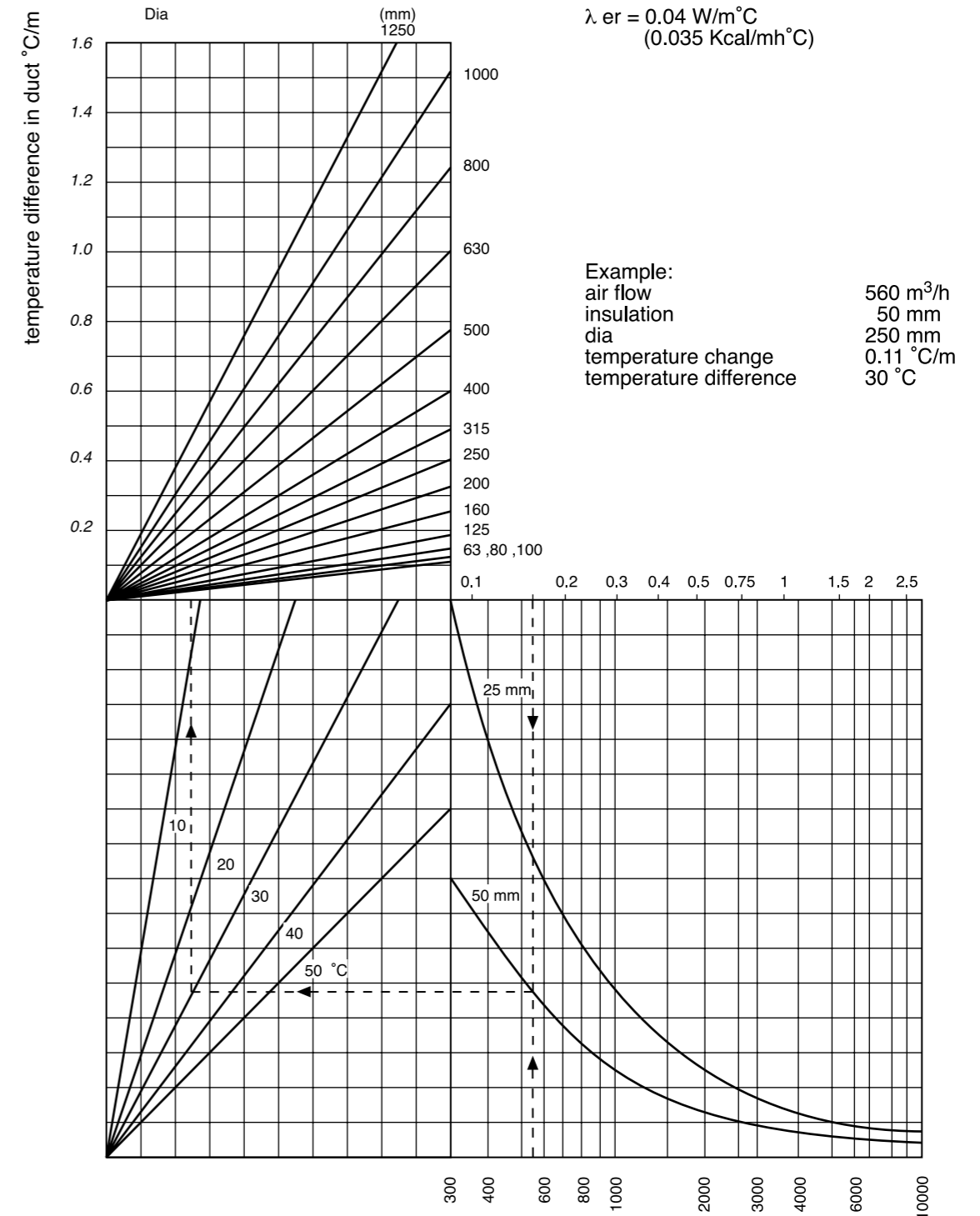
Standard Sizes (Insulation Thickness 25mm)

Duct Size (mm)		Spiral Ducts				Fittings	
Inner	Outer	Inner Shell		Outer Shell		Inner	Outer
		Gauge	Profile	Gauge	Profile	Gauge	Gauge
100	152	26	KG	26	PKG	24	24
125	180	26	KG	26	PKG	24	24
140	180	26	KG	26	PKG	24	24
160	200	26	KG	26	PKG	24	24
180	224	26	KG	26	PKG	24	24
200	250	26	KG	26	PKG	24	24
224	280	26	KG	26	PKG	24	24
250	305	26	KG	26	PKG	24	24
280	325	26	KG	26	PKG	24	24
305	355	26	KG	26	PKG	24	24
350	400	26	KG	26	PKG	24	24
400	450	26	KG	26	PKG	24	24
450	500	26	KG	26	PKG	24	24
500	550	26	PKG	26	PKG	24	24
550	600	26	PKG	26	PKG	24	24
600	650	26	PKG	24	PKG	24	22
650	700	24	PKG	24	PKG	22	22
700	750	24	PKG	24	PKG	22	22
750	800	24	PKG	24	PKG	22	22
800	850	24	PKG	24	PKG	22	22
850	900	24	PKG	24	PKG	22	22
900	950	24	PKG	24	PKG	22	20
950	1000	24	PKG	24	PKG	20	20
1000	1062	24	PKG	24	PKG	20	20
1120	1187	22	PKG	22	PKG	20	20
1250	1300	22	PKG	22	PKG	20	18
1300	1350	22	PKG	22	PKG	18	18
1400	1450	22	PKG	22	PKG	18	18
1450	1500	22	PKG	22	PKG	18	18
1500	1550	22	PKG	22	PKG	18	18
1550	1600	22	PKG	22	PKG	18	18
1600*	1700	22	PKG	22	PKG	18	18

- Standard fiberglass insulation thickness: 25mm
- Standard fiberglass insulation density: 24 kg/m³
- Various types, thickness and densities of insulation are available upon request.

*50mm thick insulation for diameters 1600 mm and above.

THERMAL DATA

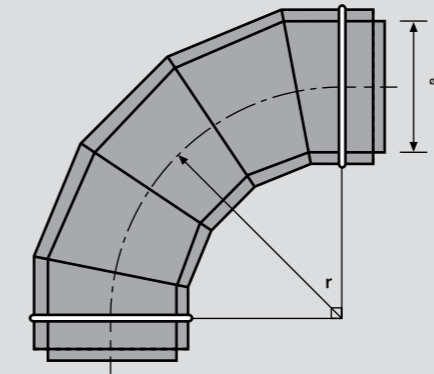


ACOUSTIC DATA

Acoustical Data (Insulation Thickness 25mm)

Inner Diameter (mm)	Sound Absorption DB/lm of duct					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
100	2.7	3.8	6.2	7.3	7.1	6.6
125	2.2	3.5	6.1	7.3	7.1	6.6
140	1.9	3.2	6.0	7.3	7.1	6.6
160	1.7	3.0	5.9	7.3	7.1	6.4
180	1.5	2.9	5.8	7.3	7.1	6.2
200	1.3	2.8	5.7	7.3	7.1	6.0
224	1.2	2.6	5.5	7.3	7.1	5.7
250	1.1	2.5	5.3	7.3	7.1	5.4
280	1.0	2.4	5.1	7.3	7.1	5.1
315	1.0	2.3	5.0	7.3	7.1	4.8
355	0.9	2.2	4.6	6.9	6.3	4.1
400	0.9	2.1	4.2	6.6	5.5	3.5
450	0.8	2.0	4.0	6.3	4.7	3.1
500	0.8	1.9	3.8	6.0	4.1	2.6
560	0.7	1.8	3.5	5.8	3.4	2.0
630	0.7	1.8	3.3	5.4	3.0	1.7
710	0.6	1.7	3.0	4.9	2.5	1.7
800	0.5	1.5	2.8	4.2	2.3	1.7
900	0.4	1.4	2.5	3.6	2.0	1.7
1000	0.4	1.3	2.3	3.0	1.8	1.7
1120	0.3	1.2	2.0	2.4	1.6	1.6
1250	0.3	1.1	1.8	1.8	1.5	1.5

Dimensions



KYL/90°
KYS/90°



Description

- KYL/90° = Thermal Double Wall Bend 90°
- KYS/90° = Acoustic Double Wall Bend 90°
- Inner shell dia mm d
- Insulation 25 mm or 50 mm
- 5 gore bend (segmented) as a standard
- r = 1.5 d
- Insulation density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KYL/90 - aaa

Type

∅d



∅d mm	r mm
63	95
80	120
100	150
125	188
160	240
200	300
250	375
315	473
355	533
400	600
500	750
630	945
800	1200
1000	1500
1250	1875
1400	2100
1600	2400

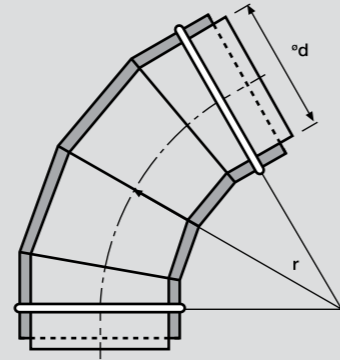
*For other available sizes, see pages 76 - 78.

PRE-INSULATED BEND 60°

KYL/60°
KYS/60°



Dimensions



Description

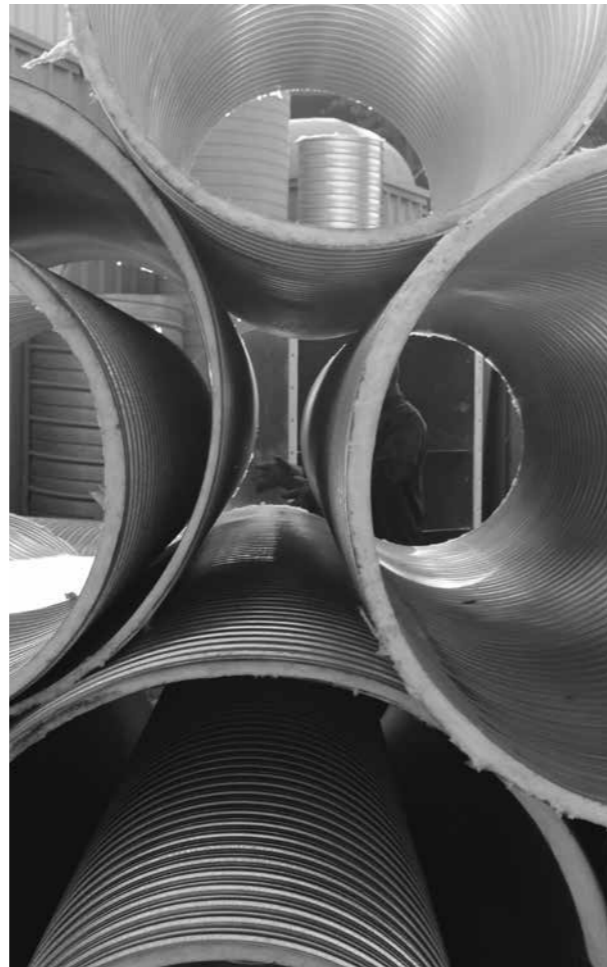
- KYL/60° = Thermal Double Wall Bend 60°
- KYS/60° = Acoustical Double Wall Bend 60°
- Inner shell dia mm d
- Insulation 25 mm or 50 mm
- 4 gore bend (segmented) as a standard
- $r = 1.5 d$
- Insulation density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KYL/60 - aaa

Type _____
∅d _____

∅d mm	r mm
63	95
80	120
100	150
125	188
160	240
200	300
250	375
315	473
355	533
400	600
500	750
630	945
800	1200
1000	1500
1250	1875



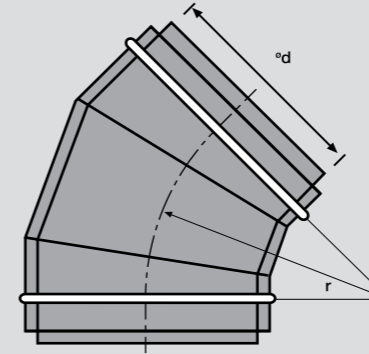
*For other available sizes, see pages 76 - 78.

PRE-INSULATED BEND 45°

KYL/45°
KYS/45°



Dimensions



Description

- KYL/45° = Thermal Double Wall Bend 45°
- KYS/45° = Acoustical Double Wall Bend 45°
- Inner shell dia mm d
- Insulation 25 mm or 50 mm
- 3 gore bend (segmented) as a standard
- $r = 1.5 d$
- Insulation density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KYL/45 - aaa

Type _____
∅d _____

∅d mm	r mm
63	95
80	120
100	150
125	188
160	240
200	300
250	375
315	473
355	533
400	600
500	750
630	945
800	1200
1000	1500
1250	1875

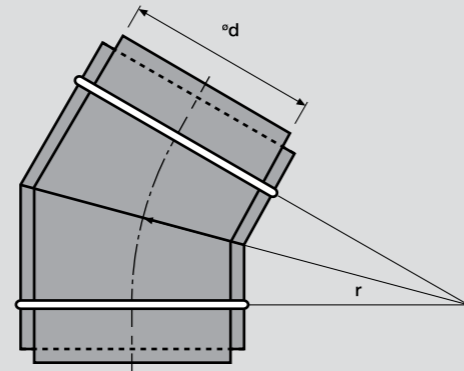


*For other available sizes, see pages 76 - 78.

KYL/30°
KYS/30°



Dimensions



Description

- KYL/30° = Thermal Double Wall Bend 30°
- KYS/30° = Acoustical Double Wall Bend 30°
- Inner shell dia mm d
- Insulation 25 mm or 50 mm
- 2 gore bend (segmented) as a standard
- $r = 1.5 d$
- Insulation density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KYL/30 - aaa

Type _____
∅d _____

∅d mm	r mm
63	95
80	120
100	150
125	188
160	240
200	300
250	375
315	473
355	533
400	600
500	750
630	945
800	1200
1000	1500
1250	1875

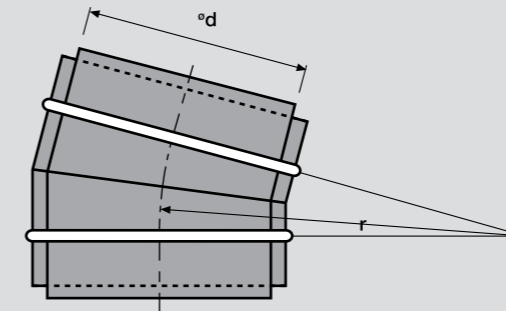


*For other available sizes, see pages 76 - 78.

KYL/15°
KYS/15°



Dimensions



Description

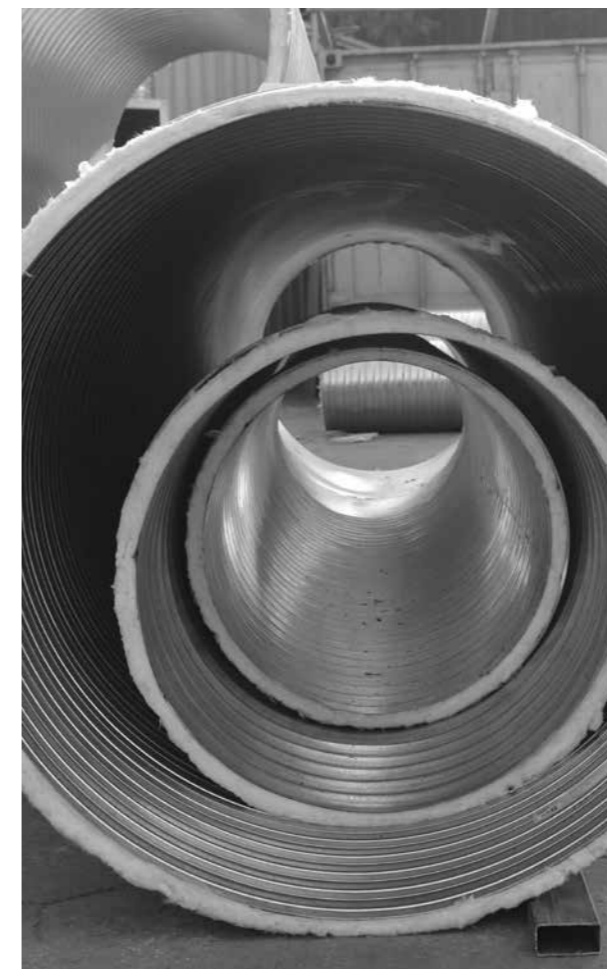
- KYL/15° = Thermal Double Wall Bend 15°
- KYS/15° = Acoustical Double Wall Bend 15°
- Inner shell dia mm d
- Insulation 25 mm or 50 mm
- 2 gore bend (segmented) as a standard
- $r = 1.5 d$
- Insulation density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KYL/15 - aaa

Type _____
∅d _____

∅d mm	r mm
63	95
80	120
100	150
125	188
160	240
200	300
250	375
315	473
355	533
400	600
500	750
630	945
800	1200
1000	1500
1250	1875

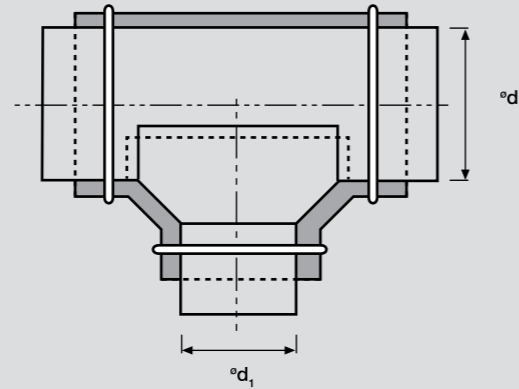


*For other available sizes, see pages 76 - 78.

TYL
TYS



Dimensions



Description

- TYL = Thermal Double Wall Tee
- TYS = Acoustic Double Wall Tee
- Inner shell dia mm d, d₁
- Insulation 25 mm or 50 mm
- Insulation Density L 24 kg/m³ as standard, other densities available on request.

Ordering

Product Code: TYL - aaa / bbb

Type _____

°d _____

°d₁ _____

°d mm	°d ₁ mm	L mm	H mm
63	63	233	106
80	80	250	115
	63	233	115
100	100	270	125
	80	250	125
	63	233	125
125	125	295	137
	100	270	137
	80	270	137
152	152	322	151
	125	295	151
	10	270	151
	80	250	151
160	160	330	155
	152	322	155
	125	295	155
	100	270	155
	80	250	155
180	180	350	165

°d mm	°d ₁ mm	L mm	H mm
	160	330	165
	152	322	165
	125	295	165
	100	270	165
	80	250	165
200	200	370	175
	180	350	175
	160	330	175
	152	322	175
	125	295	175
	100	270	175
	80	250	175
224	224	394	187
	200	370	187
	180	350	187
	160	330	187
	152	322	187
	125	295	187
	100	270	187

*For other available sizes, see pages 76 - 78.

°d mm	°d ₁ mm	L mm	H mm
224	80	250	187
250	250	420	200
	224	394	200
	200	370	200
	180	350	200
	160	330	200
	152	322	200
	125	295	200
	100	270	200
	80	250	200
280	280	450	215
	250	420	215
	224	394	215
	200	370	215
	180	350	215
	160	330	215
	152	322	215
	125	295	215
	100	270	215
305	305	475	227
	280	450	227
	250	420	227
	224	394	227
	200	370	227
	180	350	227
	160	330	227
	152	322	227
	125	295	227
	100	270	227
315	315	485	232
	305	475	232
	280	450	232
	250	420	232
	224	394	232
	200	370	232
	180	350	232
	160	330	232
	152	322	232

°d mm	°d ₁ mm	L mm	H mm
315	125	295	232
	100	270	232
355	355	525	252
	315	485	252
	305	475	252
	280	450	252
	250	420	252
	224	394	252
	200	370	252
	180	350	252
	160	330	252
	152	322	252
	125	295	252
	100	270	252
400	400	570	275
	355	525	275
	315	485	275
	305	475	275
	280	450	275
	250	420	275
	224	394	275
	200	370	275
	180	350	275
	160	330	275
	152	322	275
450	450	620	300
	400	570	300
	355	525	300
	315	485	300
	305	475	300
	280	450	300
	224	394	300
	200	370	300
	180	350	300
	160	330	300
	152	322	300
500	500	670	325
	450	620	325

*For other available sizes, see pages 76 - 78.

PRE-INSULATED TEE



TYL, TYS

SAFID DOUBLE WALL

°d mm	°d ₁ mm	L mm	H mm
500	400	570	325
	355	525	325
	315	485	325
	305	475	325
	280	450	325
	250	420	325
	224	384	325
	200	370	325
	160	330	325
560	560	730	355
	500	670	355
	450	620	355
	400	570	355
	355	525	355
	315	485	355
	305	475	355
	280	450	355
	250	420	355
	224	394	355
	200	370	355
600	600	770	375
	560	730	375
	500	670	375
	450	620	375
	400	570	375
	355	525	375
	315	485	375
	305	475	375
630	630	800	390
	600	770	390
	560	730	390
	500	670	390
	450	620	390
	400	570	390
	355	525	390
	315	485	390
650	650	820	400
	630	800	400

DOUBLE WALL ROUND DUCT & FITTINGS

°d mm	°d ₁ mm	L mm	H mm
650	600	770	400
	560	730	400
	500	670	400
	450	620	400
	400	570	400
	355	525	400
680	680	850	415
	650	820	415
	630	800	415
	600	770	415
	560	730	415
	500	670	415
	450	620	415
	400	570	415
	355	525	415
710	710	880	430
	680	850	430
	650	820	430
	630	800	430
	600	770	430
	560	730	430
	500	670	430
	450	620	415
	400	570	430
800	800	970	475
	710	880	475
	680	850	475
	650	820	475
	630	800	475
	600	770	475
	560	730	475
	500	670	475
	450	620	475
	400	570	475
850	850	1020	500
	800	970	500
	710	880	500
	680	850	500

*For other available sizes, see pages 76 - 78.

SAFID DOUBLE WALL

°d mm	°d ₁ mm	L mm	H mm
850	650	820	500
	630	800	500
	600	770	500
	560	730	500
	500	670	500
	450	620	500
900	900	1070	525
	850	1020	525
	800	970	525
	750	920	525
	710	880	525
	680	850	525
	650	820	525
	630	800	525
	600	770	525
	560	730	525
	500	670	525
	450	620	525
950	950	1120	550
	900	1070	550
	850	1020	550
	800	970	550
	710	880	550
	680	850	550
	650	820	550
	630	800	550
	600	770	550
	560	730	550
	500	670	550
1000	1000	1170	575
	950	1120	575
	900	1070	575
	850	1020	575
	800	970	575
	710	880	575
	680	850	575
	650	820	575
	630	800	575
	600	770	575

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

°d mm	°d ₁ mm	L mm	H mm
1000	560	730	575
	500	670	575
1062	1062	1232	591
	1000	1170	591
	950	1120	591
	900	1070	591
	850	1020	591
	800	970	591
	710	880	591
	680	850	591
	650	820	591
	630	800	591
	600	770	591
1100	1100	1270	625
	1062	1232	625
	1000	1170	625
	950	1120	625
	900	1070	625
	850	1020	625
	800	970	625
	710	880	625
	680	850	625
	650	820	625
1200	1200	1370	675
	1100	1270	675
	1062	1232	675
	1000	1170	675
	950	1120	675
	900	1070	675
	850	1020	675
	800	970	675
1250	1250	1420	700
	1200	1370	700
	1100	1270	700
	1062	1232	700
	1000	1170	700
	950	1120	700
	900	1070	700
	850	1020	700

PRE-INSULATED TEE ECCENTRIC

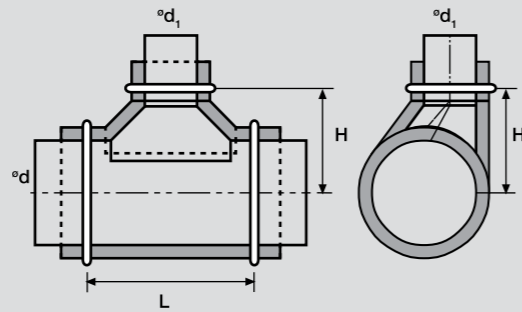


SAFID DOUBLE WALL

TYEL



Dimensions



Description

- TYEL = Thermal Double Wall Tee
- TYES = Acoustic Double Wall Tee
- Inner Shell dia mm d, d_1
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: TYEL - aaa / bbb

Type _____
 $\varnothing d$ _____
 $\varnothing d_1$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	L mm	H mm
400	315	485	280
	250	420	280
	200	375	280
500	400	570	330
	315	485	330
	250	420	330
630	500	670	395
	400	570	395
	315	485	395
800	630	800	480
	500	670	480
	400	570	480
1000	800	970	580
	630	800	580
	400	670	580
1250	1000	1220	730
	800	970	705
	630	800	705



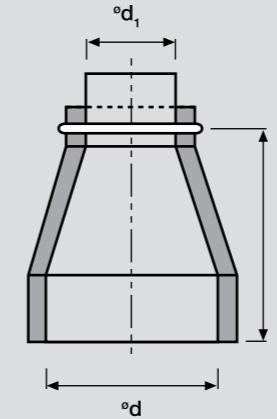
*For other available sizes, see pages 76 - 78.

PRE-INSULATED REDUCER



SAFID DOUBLE WALL

Dimensions



MYL



Description

- Reducer Centric = Female / Male
- MYL = Thermal Double Wall Reducer
- MYS = Acoustic Double Wall Reducer
- $\varnothing d_1$ - Connected straight to Spiral Duct
- $\varnothing d$ - Connected straight to fittings
- Inner Shell dia mm d, d_1
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.
- Fabricated with continuous seam or stitch welding.

Ordering

Product Code: MYL - aaa / bbb

Type _____
 $\varnothing d$ _____
 $\varnothing d_1$ _____



*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

PRE-INSULATED ECCENTRIC REDUCER



MYL, MYEL, MYS, MYES

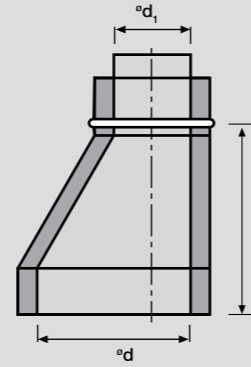
SAFID DOUBLE WALL

SAFID DOUBLW WALL

MYEL



Dimensions

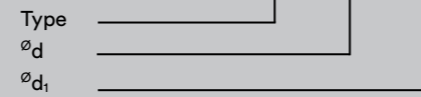


Description

- Reducer Centric = Female / Male
- MYEL = Thermal Double Wall Eccentric Reducer
- MYES = Acoustic Double Wall Eccentric Reducer
- °d₁ - Connected straight to Spiral Duct
- °d - Connected straight to Fittings
- Inner Shell dia mm d₁
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.
- Fabricated with continuous seam or stitch welding.

Ordering

Product Code: MYEL - aaa / bbb



°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
100	63	117	149
	80	122	120
112	63	127	170
	80	117	140
	100	107	130
125	63	139	192
	80	124	163
	100	132	128
	112	109	108
140	63	152	218
	80	137	189
	100	120	154
	112	134	134
	125	113	111
152	63	162	239
	80	147	210
	100	130	175
	112	120	154
	125	135	132
	140	107	130
160	63	169	253
	80	154	224
	100	137	189
	112	127	168
	125	115	146
	140	122	120
	152	115	115
180	80	172	258
	100	154	224
	112	144	203
	125	133	180
	140	120	154
	152	137	136
	160	122	120
200	80	189	293
	100	172	258
	112	161	238
	125	150	215
	140	137	189

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
200	152	127	168
	160	120	154
	180	122	120
224	100	192	300
	112	182	279
	125	171	257
	140	158	231
	152	147	210
	160	140	196
	180	123	161
	200	130	127
250	100	215	345
	112	205	324
	125	193	302
	140	180	276
	152	170	255
	160	163	241
	180	146	206
	200	128	172
	224	134	130
280	125	133	180
	140	120	154
	152	196	307
	160	189	293
	180	172	258
	200	154	224
	224	134	182
	250	141	137
305	125	241	397
	140	228	371
	152	218	350
	160	211	336
	180	193	302
	200	176	267
	224	155	225
	250	133	180
	280	132	128
315	125	250	414
	140	237	388

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS



PRE-INSULATED REDUCER



MYL, MYEL, MYS, MYES

SAFID DOUBLE WALL

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)	
315	152	226	367	
	160	219	354	
	180	202	319	
	200	185	285	
	224	164	243	
	250	141	198	
	280	115	146	
	305	123	122	
	355	160	254	423
		180	237	388
200		219	354	
224		199	312	
250		176	267	
280		150	215	
305		128	172	
315		120	154	
400		160	293	501
		180	276	466
	200	258	432	
	224	238	390	
	250	215	345	
	280	189	293	
	305	167	250	
	315	159	232	
	355	124	163	
	450	200	302	518
224		281	477	
250		258	432	
280		232	380	
305		211	366	
315		202	319	
355		167	250	
400		128	172	
500		200	345	605
		224	324	563
	250	302	518	
	280	276	466	
	305	254	423	
	315	245	406	

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)	
500	355	211	336	
	400	172	258	
	450	128	172	
	550	250	345	605
	280	319	553	
	305	297	510	
	315	289	492	
	355	254	423	
	400	215	345	
	450	172	258	
560	250	354	622	
	280	328	570	
	305	306	527	
	315	297	510	
	355	263	440	
	400	224	362	
	450	163	241	
	500	137	189	
	600	250	388	692
	280	362	640	
600	250	388	692	
	280	362	640	
	305	341	596	
	315	332	579	
	355	297	510	
	400	258	432	
	450	215	345	
	500	172	258	
	550	128	172	
	560	120	154	
630	250	414	744	
	280	388	692	
	305	367	648	
	315	358	631	
	355	323	477	
	400	284	484	
	450	241	397	
	500	198	310	
	550	154	224	
	560	146	206	

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
650	600	141	137
	305	381	683
	315	375	666
	355	341	596
	400	302	518
	450	258	432
	500	215	345
	550	172	258
	560	163	241
	600	128	172
680	305	410	735
	315	401	717
	355	367	648
	400	328	570
	450	284	484
	500	241	397
	550	198	310
	560	189	293
	600	154	224
	630	128	172
700	315	418	752
	355	384	683
	400	345	605
	450	302	518
	500	258	432
	550	215	345
	560	206	328
	600	172	258
	630	146	206
	650	128	172
710	355	393	700
	400	354	622
	450	310	536
	500	267	449
	550	224	362
	560	215	345

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
750	600	180	276
	630	154	224
	650	137	189
	680	141	137
	400	388	692
	450	345	605
	500	302	518
	550	258	432
	560	250	414
	600	215	345
800	630	189	293
	650	172	258
	680	146	206
	700	128	172
	710	120	154
	400	432	778
	450	388	692
	500	345	605
	550	302	518
	560	293	501
850	600	258	432
	630	232	380
	650	215	345
	680	189	293
	700	172	258
	710	163	241
	750	128	172
	400	475	865
	450	432	778
	500	388	692
550	345	605	
560	336	588	
600	302	518	
630	276	466	
650	258	432	
680	232	380	
700	215	345	
710	206	328	
750	172	258	

*For other available sizes, see pages 76 - 78.

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

PRE-INSULATED REDUCER



MYL, MYEL, MYS, MYES

SAFID DOUBLE WALL

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
850	800	128	172
900	450	475	865
	500	432	778
	550	388	692
	560	380	674
	600	345	605
	630	319	553
	650	302	518
	680	276	466
	700	258	432
	710	250	414
	750	215	345
	800	172	258
	850	128	172
950	450	518	952
	500	475	865
	550	432	778
	560	423	761
	600	388	692
	630	362	640
	650	345	605
	680	319	553
	700	302	518
	710	293	501
	750	258	432
	800	215	345
	850	172	258
	900	128	172
1000	500	518	952
	550	475	865
	560	466	848
	600	432	778
	630	406	726
	650	388	692
	680	362	640
	700	345	605
	710	336	588
	750	302	518
	800	258	432

DOUBLE WALL ROUND DUCT & FITTINGS

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
1000	850	215	345
	900	172	258
	950	128	172
1050	500	562	1038
	550	518	952
	560	510	934
	600	475	865
	630	449	813
	650	432	778
	680	406	726
	700	388	692
	710	380	674
	750	345	605
	800	302	518
	850	258	432
	900	215	345
	950	172	258
	1000	128	172
1062	500	572	1059
	550	529	972
	560	520	955
	600	485	886
	630	459	834
	650	442	799
	680	416	747
	700	399	712
	710	390	695
	750	355	626
	800	312	539
	850	269	452
	900	225	366
	950	182	279
	1000	140	192
1100	600	518	9522
	630	492	900
	650	475	865
	700	432	778
	710	423	761
	750	388	692

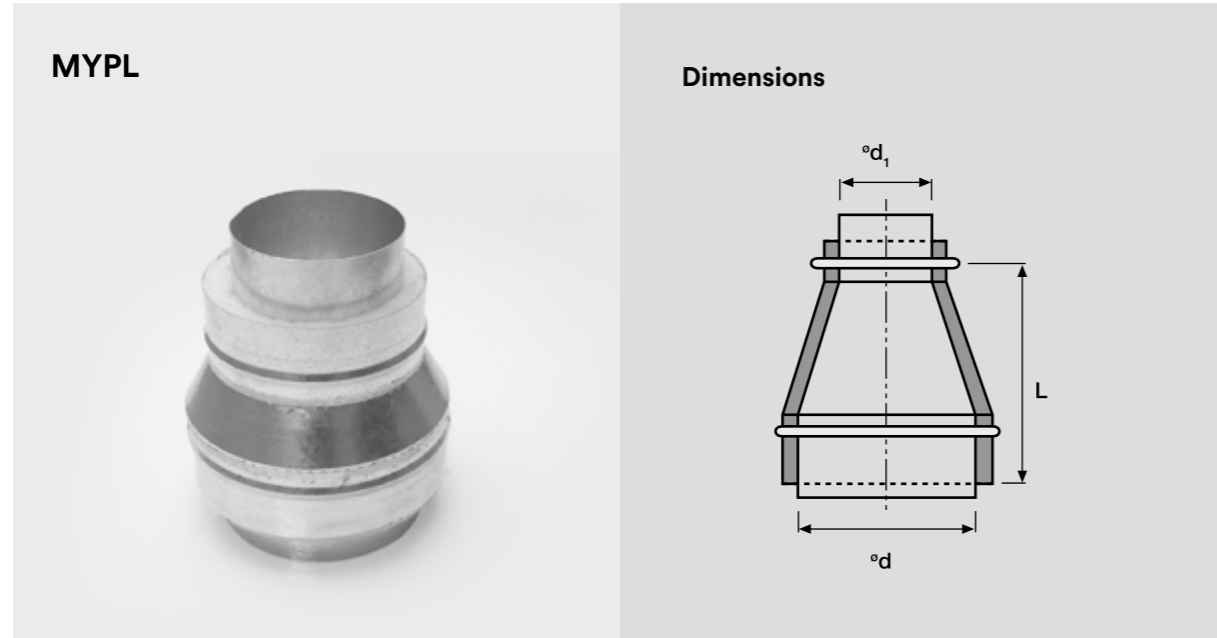
*For other available sizes, see pages 76 - 78.

°d mm	°d ₁ mm	MYL L (mm)	MYEL L (mm)
1100	800	345	605
	850	302	528
	900	258	432
	950	215	345
	1000	172	258
	1062	118	151
1120	560	570	1056
	600	536	986
	630	510	934
	650	492	900
	680	466	848
	700	449	813
	710	440	796
	750	491	726
	800	362	640
	850	315	553
	900	276	466
	1000	189	293
	1050	146	106
	1062	135	185
1150	600	562	1038
	630	536	986
	650	518	952
	700	475	865
	710	466	848
	750	432	778
	800	388	692
	850	345	605
	900	302	518
	950	258	432
	1000	215	345
	1050	172	258
	1062	161	238
	1100	128	172
1200	600	605	1125
	630	579	1073
	650	562	1038
	680	536	986
	700	518	952

*For other available sizes, see pages 76 - 78.

SAFID DOUBLE WALL

DOUBLE WALL ROUND DUCT & FITTINGS



Description

- Reducer Centric = Male / Male
- MYPL = Thermal Double Wall Reducer
- MYPS = Acoustic Double Wall Reducer
- $\varnothing d_1$ - Connected straight to Spiral Duct
- $\varnothing d$ - Connected straight to Fittings
- Inner Shell dia mm d, d_1
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.
- Fabricated with continuous seam or stitch welding.

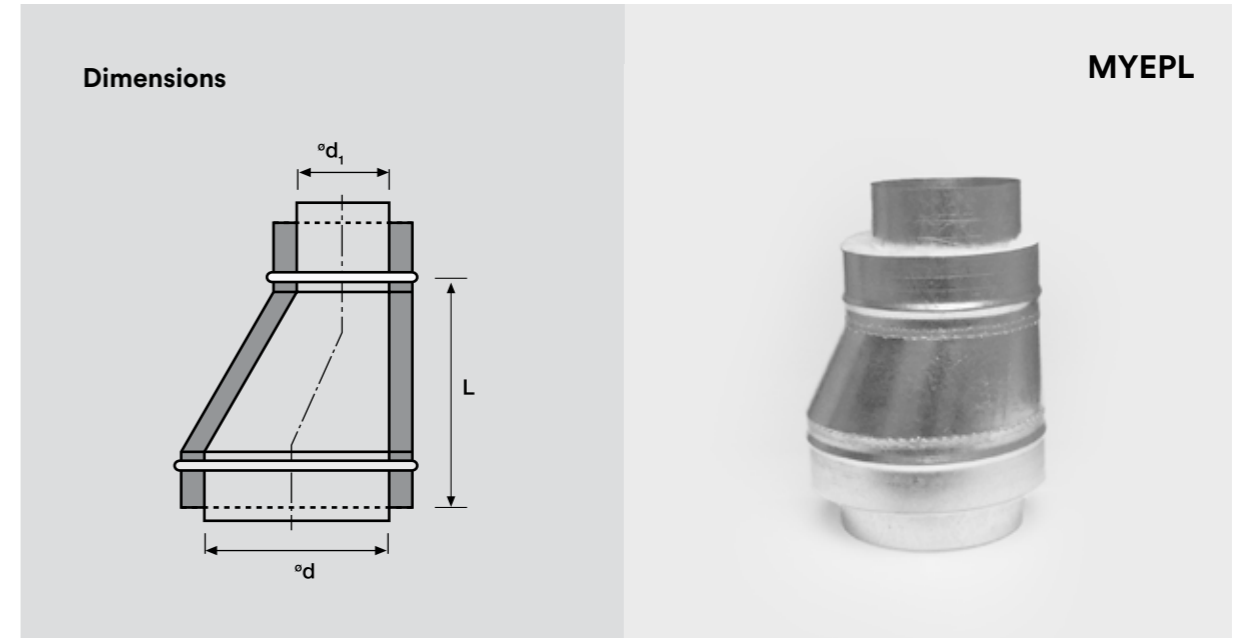
Ordering

Product Code: MYPL - aaa / bbb

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____



Description

- Reducer Centric = Male / Male
- MYEPL = Thermal Double Wall Eccentric Reducer
- MYEPS = Acoustic Double Wall Eccentric Reducer
- $\varnothing d_1$ - Connected straight to Spiral Duct
- $\varnothing d$ - Connected straight to Fittings
- Inner Shell dia mm d, d_1
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.
- Fabricated with continuous seam or stitch welding.

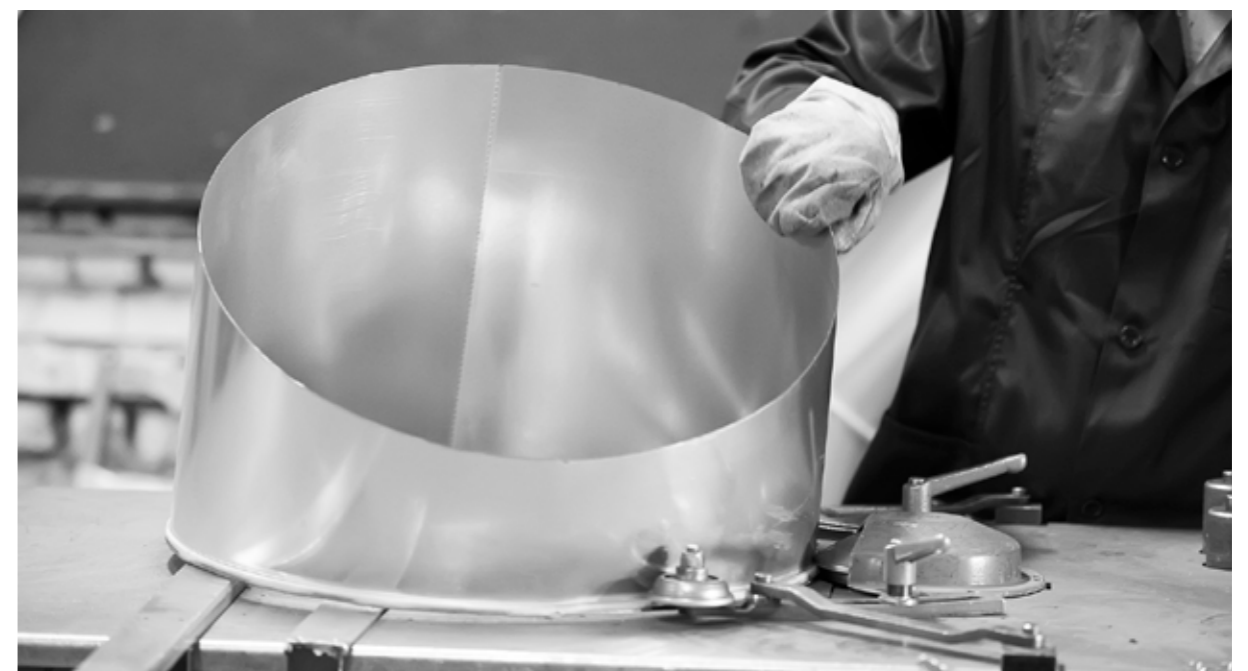
Ordering

Product Code: MYEPL - aaa / bbb

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____



PRE-INSULATED REDUCER



MYPL, MYEPL, MYPS, MYEPS

SAFID DOUBLE WALL

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
100	63	117	149
	80	122	120
112	63	127	170
	80	117	140
	100	107	130
125	63	139	192
	80	124	163
	100	132	128
	112	109	108
140	63	152	218
	80	137	189
	100	120	154
	112	134	134
	125	113	111
152	63	162	239
	80	147	210
	100	130	175
	112	120	154
	125	135	132
	140	107	130
160	63	169	253
	80	154	224
	100	137	189
	112	127	168
	125	115	146
	140	122	120
	152	115	115
180	80	172	258
	100	154	224
	112	144	203
	125	133	180
	140	120	154
	152	137	136
	160	122	120
200	80	189	293
	100	172	258
	112	161	238
	125	150	215
	140	137	189

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
200	152	127	168
	160	120	154
	180	122	120
224	100	192	300
	112	182	279
	125	171	257
	140	158	231
	152	147	210
	160	140	196
	180	123	161
	200	130	127
250	100	215	345
	112	205	324
	125	193	302
	140	180	276
	152	170	255
	160	163	241
	180	146	206
	200	128	172
	224	134	130
280	125	133	180
	140	120	154
	152	196	307
	160	189	293
	180	172	258
	200	154	224
	224	134	182
	250	141	137
305	125	241	397
	140	228	371
	152	218	350
	160	211	336
	180	193	302
	200	176	267
	224	155	225
	250	133	180
	280	132	128
315	125	250	414
	140	237	388

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
315	152	226	367
	160	219	354
	180	202	319
	200	185	285
	224	164	243
	250	141	198
	280	115	146
	305	123	122
355	160	254	423
	180	237	388
	200	219	354
	224	199	312
	250	176	267
	280	150	215
	305	128	172
	315	120	154
400	160	293	501
	180	276	466
	200	258	432
	224	238	390
	250	215	345
	280	189	293
	305	167	250
	315	159	232
	355	124	163
450	200	302	518
	224	281	477
	250	258	432
	280	232	380
	305	211	366
	315	202	319
	355	167	250
	400	128	172
500	200	345	605
	224	324	563
	250	302	518
	280	276	466
	305	254	423
	315	245	406

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
500	355	211	336
	400	172	258
	450	128	172
550	250	345	605
	280	319	553
	305	297	510
	315	289	492
	355	254	423
	400	215	345
	450	172	258
	500	128	172
560	250	354	622
	280	328	570
	305	306	527
	315	297	510
	355	263	440
	400	224	362
	450	163	241
	500	137	189
600	250	388	692
	280	362	640
	305	341	596
	315	332	579
	355	297	510
	400	258	432
	450	215	345
	500	172	258
	550	128	172
	560	120	154
630	250	414	744
	280	388	692
	305	367	648
	315	358	631
	355	323	477
	400	284	484
	450	241	397
	500	198	310
	550	154	224
	560	146	206

*For other available sizes, see pages 76 - 78.

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

PRE-INSULATED REDUCER



MYPL, MYEPL, MYPS, MYEPS

SAFID DOUBLE WALL

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
650	600	141	137
	305	381	683
	315	375	666
	355	341	596
	400	302	518
	450	258	432
	500	215	345
	550	172	258
	560	163	241
	600	128	172
680	630	122	120
	305	410	735
	315	401	717
	355	367	648
	400	328	570
	450	284	484
	500	241	397
	550	198	310
	560	189	293
	600	154	224
700	630	128	172
	650	141	137
	315	418	752
	355	384	683
	400	345	605
	450	302	518
	500	258	432
	550	215	345
	560	206	328
	600	172	258
710	630	146	206
	650	128	172
	680	122	120
	355	393	700
	400	354	622
	450	310	536
	500	267	449
	550	224	362
	560	215	345

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
750	600	180	276
	630	154	224
	650	137	189
	680	141	137
	400	388	692
	450	345	605
	500	302	518
	550	258	432
	560	250	414
	600	215	345
800	630	189	293
	650	172	258
	680	146	206
	700	128	172
	710	120	154
	400	432	778
	450	388	692
	500	345	605
	550	302	518
	560	293	501
850	600	258	432
	630	232	380
	650	215	345
	680	189	293
	700	172	258
	710	163	241
	750	128	172
	400	475	865
	450	432	778
	500	388	692

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
850	800	128	172
	900	450	865
	500	432	778
	550	388	692
	560	380	674
	600	345	605
	630	319	553
	650	302	518
	680	276	466
	700	258	432
950	710	250	414
	750	215	345
	800	172	258
	850	128	172
	450	518	952
	500	475	865
	550	432	778
	560	423	761
	600	388	692
	630	362	640
1000	650	345	605
	680	319	553
	700	302	518
	710	293	501
	750	258	432
	800	215	345
	850	172	258
	900	128	172
	500	518	952
	550	475	865

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
1000	850	215	345
	900	172	258
	950	128	172
	500	562	1038
	550	518	952
	560	510	934
	600	475	865
	630	449	813
	650	432	778
	680	406	726
1050	700	388	692
	710	380	674
	750	345	605
	800	302	518
	850	258	432
	900	215	345
	950	172	258
	1000	128	172
	500	572	1059
	550	529	972
1062	560	520	955
	600	485	886
	630	459	834
	650	442	799
	680	416	747
	700	399	712
	710	390	695
	750	355	626
	800	312	539
	850	269	452
1100	900	225	366
	950	182	279
	1000	140	192
	600	518	952
	630	492	900
	650	475	865
	700	432	778
	710	423	761
	750	388	692

*For other available sizes, see pages 76 - 78.

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

PRE-INSULATED REDUCER



SAFID DOUBLE WALL

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
1100	800	345	605
	850	302	528
	900	258	432
	950	215	345
	1000	172	258
	1062	118	151
1120	560	570	1056
	600	536	986
	630	510	934
	650	492	900
	680	466	848
	700	449	813
	710	440	796
	750	491	726
	800	362	640
	850	315	553
	900	276	466
	1000	189	293
	1050	146	106
	1062	135	185
1150	600	562	1038
	630	536	986
	650	518	952
	700	475	865
	710	466	848
	750	432	778
	800	388	692
	850	345	605
	900	302	518
	950	258	432
	1000	215	345
	1050	172	258
	1062	161	238
	1100	128	172
1200	600	605	1125
	630	579	1073
	650	562	1038
	680	536	986
	700	518	952

DOUBLE WALL ROUND DUCT & FITTINGS

°d mm	°d ₁ mm	MYPL L (mm)	MYEPL L (mm)
1200	710	510	934
	750	475	865
	800	432	778
	850	388	692
	900	345	605
	950	302	518
	1000	258	432
	1050	215	345
	1062	205	324
	1100	172	258
	1120	154	224
	1150	128	172
1250	600	648	1213
	630	622	1160
	650	605	1125
	680	579	1073
	700	562	1038
	719	533	1021
	750	518	952
	800	475	865
	850	432	778
	900	388	692
	950	345	605
	1000	302	518
	1050	258	432
	1062	248	411
	1100	215	345
	1120	198	310
	1150	172	258
	1200	128	172

*For other available sizes, see pages 76 - 78.



PRE-INSULATED REDUCING TEE

SAFID DOUBLE WALL

Dimensions

**TYRL
TYRS**

Description

- TYRL = Thermal Double Wall Reducing Tee
- TYRS = Acoustic Double Wall Reducing Tee
- Inner Shell dia mm d, d₁, d₂
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: TYRL - aaa / bbb / ccc

Type _____

°d _____

°d₁ _____

°d₂ _____

°d mm	°d ₁ mm	°d ₂ mm
80	63	63
100	80	80
	63	63
125	100	100
	80	80
160	125	125
	100	100
	80	80
200	160	160
	125	125
	100	100
250	200	200
	160	160
	125	125
315	250	250
	200	200
	160	160
355	315	315
	250	250
	200	200

°d mm	°d ₁ mm	°d ₂ mm
400	355	355
	315	315
	250	250
500	400	400
	355	355
	315	315
630	500	500
	400	400
	355	355
800	630	630
	500	500
	400	400
1000	800	800
	500	500
1250	1000	1000
	800	800
	630	630

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

PRE-INSULATED LATERAL TEE

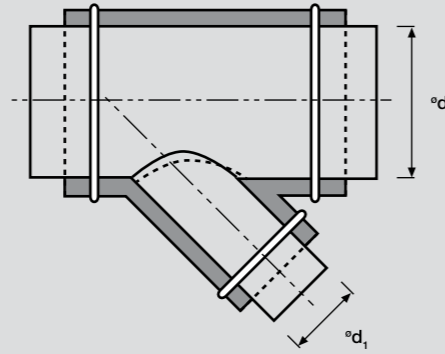


SAFID DOUBLE WALL

TYL/45°
TYS/45°



Dimensions



Description

- TYL/45° = Thermal Double Wall Lateral Tee 45°
- TYS/45° = Acoustic Double Wall Lateral Tee 45°
- Inner Shell dia mm d, d₁
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: TYL/45 - aaa / bbb

Type _____
 $\varnothing d$ _____
 $\varnothing d_1$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm
80	63
100	80
	63
125	100
	80
160	125
	100
	80
200	160
	125
	100
250	200
	160
	125
315	250
	200
	160
355	315
	250

$\varnothing d$ mm	$\varnothing d_1$ mm
	200
400	355
	315
	250
500	400
	355
	315
630	500
	400
	355
800	630
	500
	400
1000	800
	500
1250	1000
	800
	630

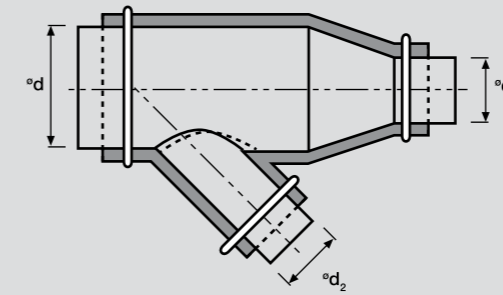
*For other available sizes, see pages 76 - 78.

PRE-INSULATED LATERAL REDUCING TEE



SAFID DOUBLE WALL

Dimensions



TYRL/45°
TYRS/45°



Description

- TYRL/45° = Thermal Double Wall Lateral Reducing Tee 45°
- TYRS/45° = Acoustic Double Wall Lateral Reducing Tee 45°
- Inner Shell dia mm d, d₁, d₂
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: TYRL/45 - aaa / bbb / ccc

Type _____
 $\varnothing d$ _____
 $\varnothing d_1$ _____
 $\varnothing d_2$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
80	63	63
100	80	80
	63	63
125	100	100
	80	80
160	125	125
	100	100
	80	80
200	160	160
	125	125
	100	100
250	200	200
	160	160
	125	125
315	250	250
	200	200
	160	160
355	315	315
	250	250
	200	200

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
400	355	355
	315	315
	250	250
500	400	400
	355	355
	315	315
630	500	500
	400	400
	355	355
800	630	630
	500	500
	400	400
1000	800	800
	500	500
1250	1000	1000
	800	800
	630	630

*For other available sizes, see pages 76 - 78.

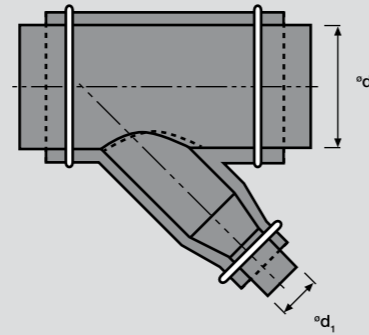
DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

TYCL/45°
TYCS/45°



Dimensions



Description

- TYCL/45° = Thermal Double Wall Conical Reducing Tee 45°
- TYCS/45° = Acoustic Double Wall Conical Reducing Tee 45°
- Inner Shell dia mm d, d₁
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other

Ordering

Product Code: TYCL/45 - aaa / bbb

Type _____
 $\varnothing d$ _____
 $\varnothing d_1$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm
80	63
100	80
125	100
160	125
200	160
250	200
315	250
355	315

80	63
100	80
125	100
160	125
200	160
250	200
315	250
355	315

$\varnothing d$ mm	$\varnothing d_1$ mm
400	200
500	315
630	250
800	400
1000	355
1250	500
	400
	355
	800
	630
	500
	400
	800
	1000
	800
	630

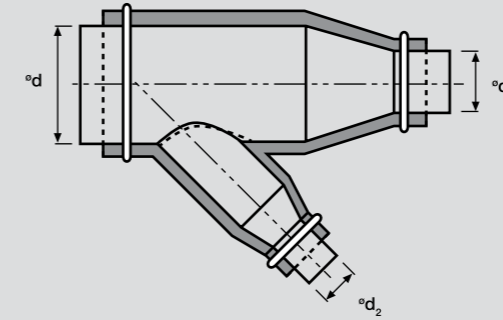
400	200
500	315
630	250
800	400
1000	355
1250	500
	400
	355
	800
	630
	500
	400
	800
	1000
	800
	630

*For other available sizes, see pages 76 - 78.

TYCRL/45°
TYCRS/45°



Dimensions



Description

- TYCRL/45° = Thermal Double Wall Conical Lateral Reducing Tee 45°
- TYCRS/45° = Acoustic Double Wall Conical Lateral Reducing Tee 45°
- Inner Shell dia mm d, d₁, d₂
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: TYCRL/45 - aaa / bbb / ccc

Type _____
 $\varnothing d$ _____
 $\varnothing d_1$ _____
 $\varnothing d_2$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
80	63	63
100	80	80
125	100	100
160	125	125
200	160	160
250	200	200
315	250	250
355	315	315

80	63	63
100	80	80
125	100	100
160	125	125
200	160	160
250	200	200
315	250	250
355	315	315

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
400	355	355
500	400	400
630	500	500
800	630	630
1000	800	800
1250	1000	1000
	800	800
	630	630

400	355	355
500	400	400
630	500	500
800	630	630
1000	800	800
1250	1000	1000
	800	800
	630	630

*For other available sizes, see pages 76 - 78.

PRE-INSULATED CROSS

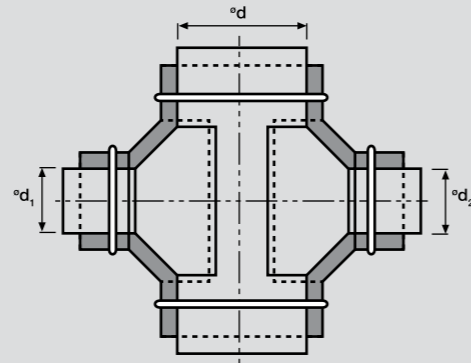


SAFID DOUBLE WALL

RKL



Dimensions



Description

- RKL = Thermal Double Wall Cross
- RKS = Acoustic Double Wall Cross
- Inner Shell dia mm d_1 , d_2
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: RKL - aaa / bbb / ccc

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____

$\varnothing d_2$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
80	63	63
100	80	80
	63	63
125	100	100
	80	80
160	125	125
	100	100
200	80	80
	160	160
	125	125
250	100	100
	200	200
	160	160
315	125	125
	250	250
	200	200
355	160	160
	315	315
	250	250
200	200	

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
400	355	355
	315	315
	250	250
500	400	400
	355	355
	315	315
630	500	500
	400	400
	355	355
800	630	630
	500	500
	400	400
1000	800	800
	500	500
	400	400
1250	1000	1000
	800	800
	630	630

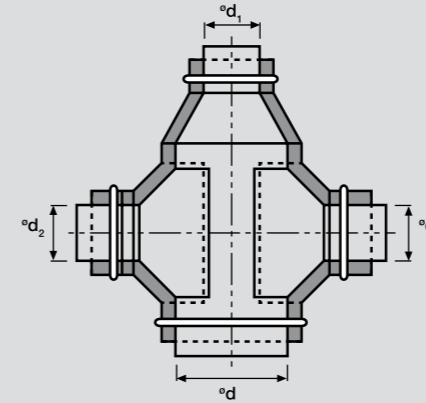
*For other available sizes, see pages 76 - 78.



PRE-INSULATED REDUCING CROSS

SAFID DOUBLE WALL

Dimensions



RKRL



Description

- RKRL = Thermal Double Wall Reducing Cross
- RKRS = Acoustic Double Wall Reducing Cross
- Inner Shell dia mm d_1 , d_2 , d_3
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: RKRL - aaa / bbb / ccc / ddd

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____

$\varnothing d_2$ _____

$\varnothing d_3$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$\varnothing d_3$ mm
80	63	55	55
100	80	63	63
112	100	80	80
125	112	100	100
140	125	112	112
160	140	125	125
180	160	140	140
200	180	160	160
224	200	180	180
250	224	200	200
280	250	224	224
315	280	250	250
355	315	280	280
400	355	315	315
450	400	355	355
500	450	400	400
560	500	450	450
630	560	500	500
710	630	560	560

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$\varnothing d_3$ mm
800	710	630	630
900	800	710	710
1000	900	800	800
1120	1000	900	900
1250	1120	1000	1000
1300	1250	1120	1120

*For other available sizes, see pages 76 - 78.

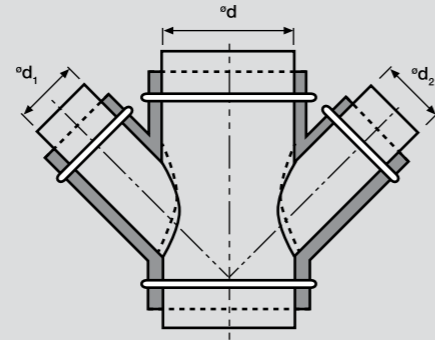
DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

RKL/45°



Dimensions



Description

- RKL/45° = Thermal Double Wall Lateral Cross 45°
- RKS/45° = Acoustic Double Wall Lateral Cross 45°
- Inner Shell dia mm d, d_1 , d_2
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: RKL/45 - aaa / bbb / ccc

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____

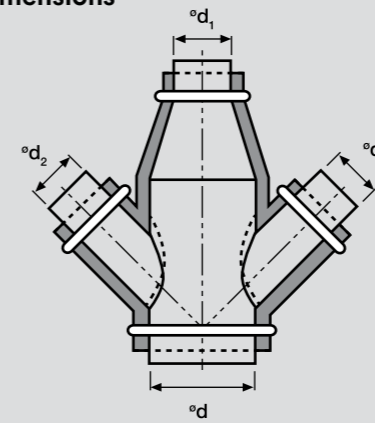
$\varnothing d_2$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
80	63	63
100	80	80
	63	63
125	100	100
	80	80
160	125	125
	100	100
200	80	80
	160	160
250	125	125
	100	100
315	200	200
	160	160
355	125	125
	250	250
355	200	200
	160	160
355	315	315
	250	250
355	200	200

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
400	355	355
	315	315
500	250	250
	400	400
630	355	355
	315	315
630	500	500
	400	400
800	355	355
	630	630
1000	500	500
	400	400
1250	800	800
	500	500
1250	1000	1000
	800	800
1250	630	630

*For other available sizes, see pages 76 - 78.

Dimensions



RKRL/45°



Description

- RKRL/45° = Thermal Double Wall Reducing Cross 45°
- RKRS/45° = Acoustic Double Wall Reducing Cross 45°
- Inner Shell dia mm d, d_1 , d_2 , d_3
- Insulation 25 mm or 50 mm

Ordering

Product Code: RKRL/45 - aaa / bbb / ccc / ddd

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____

$\varnothing d_2$ _____


$\varnothing d_3$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$\varnothing d_3$ mm
80	63	55	55
100	80	63	63
112	100	80	80
125	112	100	100
140	125	112	112
160	140	125	125
180	160	140	140
200	180	160	160
224	200	180	180
250	224	200	200
280	250	224	224
315	280	250	250
355	315	280	280
400	355	315	315
450	400	355	355
500	450	400	400
560	500	450	450
630	560	500	500
710	630	560	560

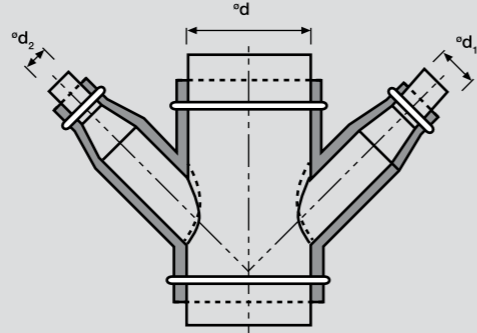
$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$\varnothing d_3$ mm
800	710	630	630
900	800	710	710
1000	900	800	800
1120	1000	900	900
1250	1120	1000	1000
1300	1250	1120	1120

*For other available sizes, see pages 76 - 78.

RKCL/45°



Dimensions



Description

- RKCL/45° = Thermal Double Wall Conical Lateral Cross 45°
- RKCS/45° = Acoustic Double Wall Conical Lateral Cross 45°
- Inner Shell dia mm d, d₁, d₂
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other

Ordering

Product Code: RKCL/45 - aaa / bbb / ccc

Type _____

∅d _____

∅d₁ _____

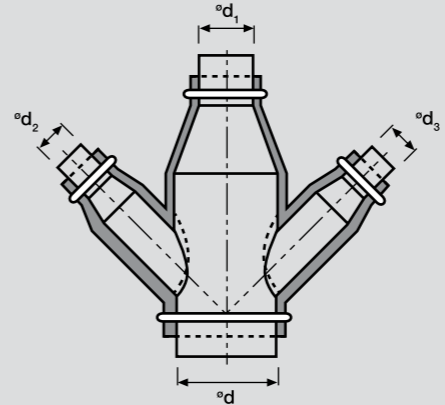
∅d₂ _____

∅d mm	∅d ₁ mm	∅d ₂ mm
80	63	63
100	80	80
	63	63
125	100	100
	80	80
160	125	125
	100	100
	80	80
200	160	160
	125	125
	100	100
250	200	200
	160	160
	125	125
315	250	250
	200	200
	160	160
355	315	315
	250	250
	200	200


∅d mm	∅d ₁ mm	∅d ₂ mm
400	355	355
	315	315
	250	250
500	400	400
	355	355
	315	315
630	500	500
	400	400
	355	355
800	630	630
	500	500
	400	400
1000	800	800
	500	500
1250	1000	1000
	800	800
	630	630

*For other available sizes, see pages 76 - 78.

Dimensions



**RKCRL/45°
RKCRS/45°**



Description

- RKCRL/45° = Thermal Double Wall Conical Lateral Reducing Cross 45°
- RKCRS/45° = Acoustic Double Wall Conical Lateral Reducing Cross 45°
- Inner Shell dia mm d, d₁, d₂, d₃
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: RKCRL/45 - aaa / bbb / ccc / ddd

Type _____

∅d _____

∅d₁ _____

∅d₂ _____

∅d₃ _____

∅d mm	∅d ₁ mm	∅d ₂ mm	∅d ₃ mm
80	63	55	55
100	80	63	63
112	100	80	80
125	112	100	100
140	125	112	112
160	140	125	125
180	160	140	140
200	180	160	160
224	200	180	180
250	224	200	200
280	250	224	224
315	280	250	250
355	315	280	280
400	355	315	315
450	400	355	355
500	450	400	400
560	500	450	450
630	560	500	500
710	630	560	560

∅d mm	∅d ₁ mm	∅d ₂ mm	∅d ₃ mm
800	710	630	630
900	800	710	710
1000	900	800	800
1120	1000	900	900
1250	1120	1000	1000
1300	1250	1120	1120

*For other available sizes, see pages 76 - 78.

PRE-INSULATED TWINBEND

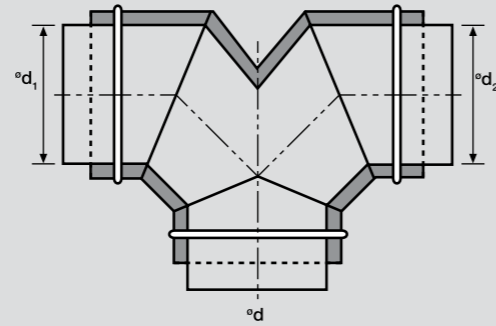


SAFID DOUBLE WALL

KKYL/90°
KKYS/90°



Dimensions



Description

- KKYL/90° = Thermal Double Wall Twinbend 90°
- KKYS/90° = Acoustic Double Wall Twinbend 90°
- Inner Shell dia mm d, d_1 , d_2
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KKYL/90 - aaa

Type _____
 $\varnothing d$ _____



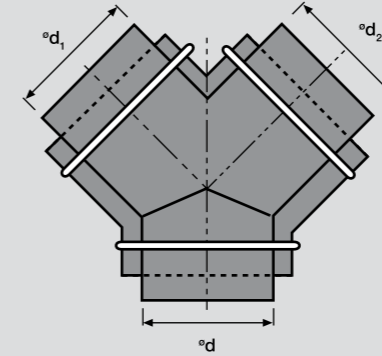
PRE-INSULATED TWINBEND

SAFID DOUBLW WALL

KKYL/45°
KKYS/45°



Dimensions



Description

- KKYL/45° = Thermal Double Wall Twinbend 45°
- KKYS/45° = Acoustic Double Wall Twinbend 45°
- Inner Shell dia mm d, d_1 , d_2
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KKYL/45 - aaa

Type _____
 $\varnothing d$ _____

DOUBLE WALL ROUND DUCT & FITTINGS

$\varnothing d$ mm	$\varnothing d$ mm
63	710
80	800
100	1000
112	1120
125	1250
140	
160	
180	
200	
224	
250	
280	
315	
355	
400	
450	
500	
560	
630	

*For other available sizes, see pages 76 - 78.



$\varnothing d$ mm	$\varnothing d$ mm
63	710
80	800
100	1000
112	1120
125	1250
140	
160	
180	
200	
224	
250	
280	
315	
355	
400	
450	
500	
560	
630	

*For other available sizes, see pages 76 - 78.

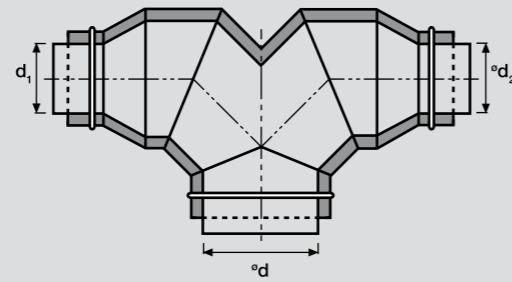


DOUBLE WALL ROUND DUCT & FITTINGS

KKYRL/90°
KKYRS/90°



Dimensions



Description

- KKYRL/90° = Thermal Double Wall Reducing Twinbend 90°
- KKYRS/90° = Acoustic Double Wall Reducing Twinbend 90°
- Inner Shell dia mm d, d_1 , d_2
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KKYRL/90 - aaa / bbb / ccc

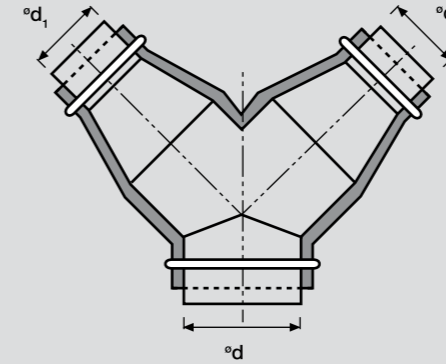
Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____

$\varnothing d_2$ _____

Dimensions



KKYRL/45°
KKYRS/45°



Description

- KKYRL/45° = Thermal Double Wall Reducing Twinbend 45°
- KKYRS/45° = Acoustic Double Wall Reducing Twinbend 45°
- Inner Shell dia mm d, d_1 , d_2
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: KKYRL/45 - aaa / bbb / ccc

Type _____

$\varnothing d$ _____

$\varnothing d_1$ _____

$\varnothing d_2$ _____

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
80	63	55
100	80	63
112	100	80
125	112	100
140	125	112
160	140	125
180	160	140
200	180	160
224	200	180
250	224	200
280	250	224
315	280	250
355	315	280
400	355	315
450	400	355
500	450	400
560	500	450
630	560	500
710	630	560

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
800	710	630
900	800	710
1000	900	800
1120	1000	900
1250	1120	1000

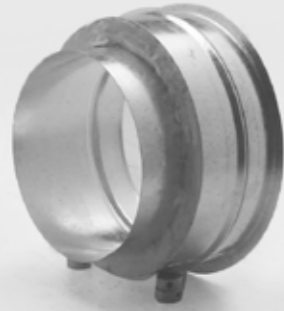
*For other available sizes, see pages 76 - 78.

$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
80	63	55
100	80	63
112	100	80
125	112	100
140	125	112
160	140	125
180	160	140
200	180	160
224	200	180
250	224	200
280	250	224
315	280	250
355	315	280
400	355	315
450	400	355
500	450	400
560	500	450
630	560	500
710	630	560

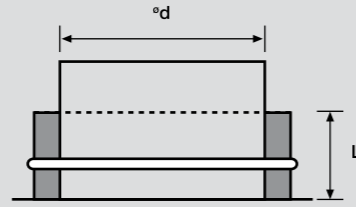
$\varnothing d$ mm	$\varnothing d_1$ mm	$\varnothing d_2$ mm
800	710	630
900	800	710
1000	900	800
1120	1000	900
1250	1120	1000

*For other available sizes, see pages 76 - 78.

LYTL
LYTS



Dimensions



Description

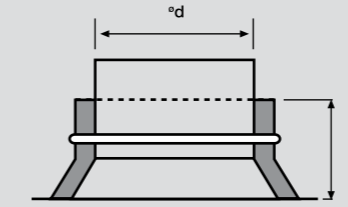
- LYTL = Thermal Double Wall Take off
- LYTS = Acoustic Double Wall Take off
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: LYTL - aaa

Type _____
ød _____

Dimensions



Description

- LKTL = hermal Double Wall Take off
- LKTS = Acoustic Double Wall Take off
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: LKTL - aaa

Type _____
ød _____

LKTL
LKTS



ød mm	L mm
----------	---------

63	85
80	85
100	85
112	85
125	85
140	85
160	85
180	85
200	85
224	85
250	85
280	85
315	85
355	85
400	85
450	85
500	85
560	85
630	85
710	85
800	85

ød mm	L mm
----------	---------

1000	85
1120	85
1250	85

ød mm	L mm
----------	---------

63	68
80	68
100	68
112	68
125	68
140	68
160	68
180	68
200	68
224	68
250	68
280	68
315	68
355	68
400	68
450	68
500	68
560	68
630	68
710	68
800	68

ød mm	L mm
----------	---------

1000	68
1120	68
1250	68t

*For other available sizes, see pages 76 - 78.

*For other available sizes, see pages 76 - 78.

INSULATION END

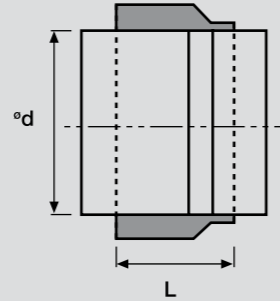


SAFID DOUBLE WALL

EPP-O, EPP-P
EPO-O, EPO-P



Dimensions



Description

- L = Thermal Double Wall Insulation End
- S = Acoustic Double Wall Insulation End
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.
- From double wall to single wall
- EPP-O = from duct to fitting
- EPO-O = from fitting to fitting
- EPP-P = from duct to duct
- EPO-P = from fitting to duct

NOTE: If 50 mm insulation, add 43 mm to the length.

Ordering

Product Code: EPP-O - aaa

Type _____
∅d _____

∅d mm	EPP-O L (mm)	EPP-P L (mm)	EPO-P L (mm)	EPO-P L (mm)
63	118	93	143	118
80	118	93	143	118
100	118	93	143	118
112	118	93	143	118
125	118	93	143	118
140	118	93	143	118
160	118	93	143	118
180	118	93	143	118
200	118	93	143	118
224	118	93	143	118
250	118	93	143	118
280	118	93	143	118
315	118	93	143	118
355	118	93	143	118
400	118	93	143	118
450	118	93	143	118
500	118	93	143	118
560	118	93	143	118

∅d mm	EPP-O L (mm)	EPP-P L (mm)	EPO-P L (mm)	EPO-P L (mm)
630	118	93	143	118
710	118	93	143	118
800	118	93	143	118
900	118	93	143	118
1000	118	93	143	118
1120	118	93	143	118
1250	118	93	143	118

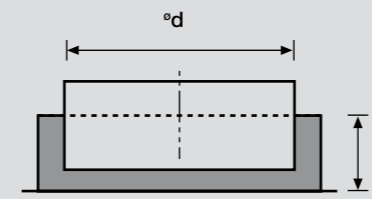
*For other available sizes, see pages 76 - 78.



PRE-INSULATED END CAP

SAFID DOUBLW WALL

Dimensions



Description

- TPL = Thermal Double Wall End Cap
- TPS = Acoustic Double Wall End Cap
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: TPL - aaa

Type _____
∅d _____

TPL
TPS



∅d mm	L mm
63	50
80	50
100	50
112	50
125	50
140	50
160	50
180	50
200	50
224	50
250	50
280	50
315	50
355	50
400	50
450	50
500	50
560	50
630	50
710	50
800	50

∅d mm	L mm
1000	50
1120	50
1250	50

*For other available sizes, see pages 76 - 78.

DOUBLE WALL ROUND DUCT & FITTINGS

INSULATION COUPLING

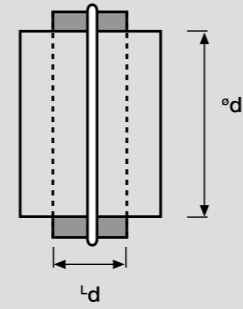


SAFID DOUBLE WALL

LYPL
LYPS



Dimensions



Description

- LYPL = Thermal Double Wall Coupling
- LYPS = Acoustic Double Wall Coupling
- LYP = for joining duct to duct
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: LYPL - aaa

Type _____
 $\varnothing d$ _____

$\varnothing d$ mm	L mm
63	100
80	100
100	100
112	100
125	100
140	100
160	100
180	100
200	100
224	100
250	100
280	100
315	100
355	100
400	100
450	100
500	100
560	100
630	100
710	100
800	100

$\varnothing d$ mm	L mm
1000	100
1120	100
1250	100

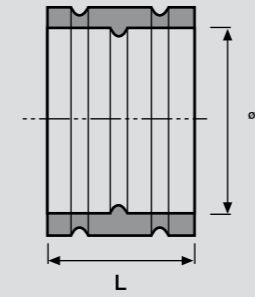
*For other available sizes, see pages 76 - 78.



PRE-INSULATED COUPLING

SAFID DOUBLW WALL

Dimensions



LYOL
LYOS



Description

- LYOL = Thermal Double Wall Coupling
- LYOS = Acoustic Double Wall Coupling
- LYO = for joining fitting to fitting
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: LYOL - aaa

Type _____
 $\varnothing d$ _____

$\varnothing d$ mm	L mm
63	200
80	200
100	200
112	200
125	200
140	200
160	200
180	200
200	200
224	200
250	200
280	200
315	200
355	200
400	200
450	200
500	200
560	200
630	200
710	200
800	200

$\varnothing d$ mm	L mm
1000	200
1120	200
1250	200

*For other available sizes, see pages 76 - 78.

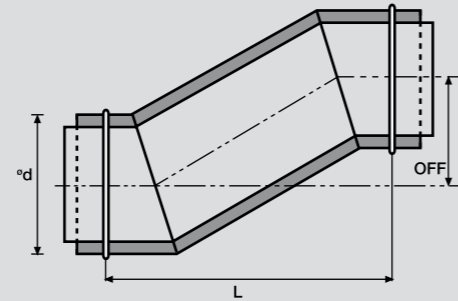
DOUBLE WALL ROUND DUCT & FITTINGS

DOUBLE WALL ROUND DUCT & FITTINGS

**OFFL
OFFS**



Dimensions



Description

- OFFL = Thermal Double Wall Offset
- OFFS = Acoustical Double Wall Offset
- Inner Shell dia mm d
- Insulation 25 mm or 50 mm
- Insulation Density: 24 kg/m³ as standard other densities available on request.

Ordering

Product Code: OFFL - aaa / bbb

Type _____
 ød _____
 ød₁ _____

ød mm	ød ₁ mm
63	55
80	63
100	80
112	100
125	112
140	125
160	140
180	160
200	180
224	200
250	224
280	250
315	280
355	315
400	355
450	400
500	450
560	500
630	560

ød mm	ød ₁ mm
710	630
800	710
900	800
1000	900
1120	1000
1250	1120

*For other available sizes, see pages 76 - 78.

I. General

A. All round supply, return and exhaust ductwork shown on the plans or indicated in the project specification to be insulated shall be SafidDouble Wall as manufactured by Safid or approved equal. The duct system shall consist of fittings that are factory fabricated and spiral duct which, when installed according to the manufacturer's instructions, (seal duct joints with duct sealer and cold shrink band) will render an air tight system.

B. The contractor may, at his option, convert any or all double wall rectangular or oval ductwork to double wall round provided that the project space limitations are properly addressed and that the overall system design static pressure not be exceeded.

II. Materials

A. Unless otherwise noted, all duct and fittings shall be a minimum of G-90 galvanized steel in accordance with ASTM A-924 and A-653 (Formerly A-527, A-525).

B. Perforated liner shall consist of 3 mm perforations on 6 mm staggered centers corresponding to an overall open area of 22.5%.

C. Fiberglass insulation shall have a maximum conductivity factor (K) of 0.038 w/m.°C at 24°C mean ambient temperature (0.26 BTU-in/hr • ft² • °F at 75°F mean ambient temperature).

D. When specified on contract documents, stainless steel type 304 or 316 in accordance with ASTM A-240 shall be provided.

III. Construction

A. Unless otherwise noted, all double wall duct and fittings shall be constructed as shown in the following table:

Diameter (mm)	Spiral Duct		Fittings	
	Inner	Outer	Inner	Outer
100 - 305	26	26	24	24
350 - 600	26	26	22	22
650 - 850	24	24	20	20
900 - 950	24	22	20	20
1000 - 1200	22	22	20	20
1250 - 1500	22	20	20	18

B. Fittings:

1. All fitting shall be factory fabricated and calibrated to manufacturer's published dimensional tolerance standard.

2. Double wall duct and fittings shall consist of a perforated or solid inner liner, a 25mm, 24kg/m³ (1 inch, 1.50 lb/ft³ unless otherwise specified) layer of fiberglass insulation and a solid outer pressure shell. For 25mm (1-inch) thick insulation, the outer pressure shell diameter shall be 50mm (2 inches) larger than the inner liner.

3. Double wall to single wall transitions shall be provided where insulated duct connects to noninsulated, single wall duct. Transitions also act as insulation ends reducing the double wall outer shell diameter to inner shell diameter.

4. When contract documents require divided flow fittings, only full body fittings will be accepted. Double wall saddle taps are unacceptable.

5. All double wall duct and fittings shall be furnished with both an inner liner and a outer pressure shell coupling. The inner liners shall not be fastened together to allow for expansion and contraction.

C. Spiral Duct

1. Spiral duct shall be calibrated to manufacturer's published dimensional tolerance standard.

2. All outer shell of spiral duct 350 Dia. and larger can be corrugated for added strength and rigidity. Inner and outer duct will be of spiral lockseam construction.

IV. Performance

A. Duct system performance shall meet SMACNA's Leakage Class 3 requirements at the system design static pressure as indicated on the contract documents not to exceed -5000 pa. (-20 in W.G.) or 3000 pa. (+12 in W.G.)