Pneufit C

Composite Fittings

 \varnothing 3 to 10mm 0/D tube \varnothing 1/8" to 3/8" 0/D tube



- Innovation through design & technology
- Superior levels of performance
- Compact and light weight
- Inch and metric sizes

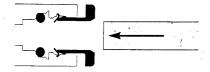


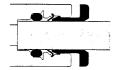
Method of assembly



1. Ensure that the end of the tube is cut square and is free from burrs.

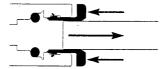
2. Push the tube through the release button and grab ring into the fitting.





3. Push the tube firmly through the '0' ring until it bottoms on the tube stop then pull back.

4. To disconnect, push the tube into the fitting, hold down the release button and withdraw the tube.



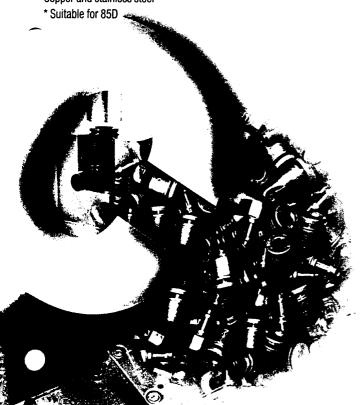
Tube sizes

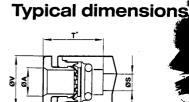
3, 4, 6, 8, 10mm O/D & 1/8", 5/32", 1/4", 5/16", 3/8" O/D

Warning: The Pneufit C design is not to be used with vehicle air braking or ancillary systems. For push-in fittings suitable for these applications, please refer to the Fleetfit range or contact Technical Sales for assistance

Tube types

Nylon 11 or 12, polyurethane* and other plasticised or unplasticised tubing which conforms to the tolerances specified in DIN 73378, NFE 49-101, ISO / WD 16026, ISO / WD 16627 Copper and stainless steel





A O/D tube	S†	T* Tube stop	٧
3mm	2,3	15,3	10,7
4mm	2,8	15,3	10,7
6mm	4,4	17,1	12,9
8mm	6,0	19,2	14,5
10mm	7,7	20,25	17,6
A O/D tube	S†	T* Tube stop	٧
1/8"	2,3	15,3	10,7
5/32"	2,8	15,3	10,7
1/4"	4,4	17,1	12,9
5/16"	6,0	19,2	14,5
3/8"	7,7	20,25	17,6

^{*} Dimensions here and in the individual tables refer to the release button in the 'OUT' position

Torque figures

Thread sealant is applied to the full circumference of the thread. The recommended tightening torque figures for designs with thread sealant are found in the table below

Thread (Tapered)	Tightening Torque (Nm)
1/8"	6,86 8,82
1/4"	11,76 13,72
3/8"	21,56 25,32
1/2"	27,44 29,40

C-Clips

For colour coding and tamper-resistant feature

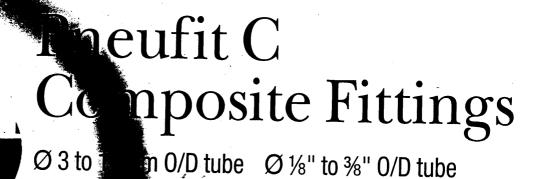
	3mm 4mm 1/8" 5/32"	6mm 1/4" >	8mm 5/16"	10mm 3/8"	
RED	48A35501	48B35501	48C35501	48D35501	
YELLOW	48A35502	48B35502	48C35502	48D35502	
ORANGE	48A35503	48B35503	48C35503	48D35503	
GREEN	48A35504	48B35504	48C35504	48D35504	_
BLACK	48A35505	48B35505	48C35505	48D35505	
BROWN	48A35506	48B35506	48C35506	48D35506	
VIOLET	48A35507	48B35507	48C35507	48D35507	_
BLUE	48A35508	48B35508	48C35508	48D35508	_
WHITE	48A35509	48B35509	48C35509	48D35509	_
SILVER	48A35510	48B35510	48C35510	48D35510	_
					_

Boxed in quantities of 30





[†] Dimensions here (minimum bore diameter) are common per tube size for all connectors, elbow and tees unless



vation through design and in-house manufacturing, Pneufit C provides a reliable and perior quality pneumatic fitting

Releasable grab ring technology combining plastic and brass components for a compact fitting design

High-level performance for gripping soft PU tube through to copper and stainless steel

Colour coding option with tamper-resistant feature

Features

Moulded mounting brackets on tube connector designs

Red/grey release sleeve indicates metric/inch tube sizes Silicone free '0' ring seals

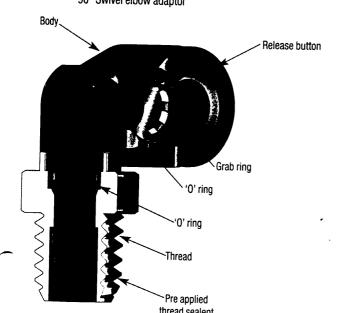
Non-PTFE based thread sealant on tapered threads

Easy tube insertion for rapid and quick assembly of pneumatic circuits

Internal hexagon on straight adaptors allows assembly in confined spaces

Corrosion resistant

Typical part number: C01470628 90° Swivel elbow adaptor



Technical data

Medium:

Compressed air

Operating pressure:

Vacuum - 18 bar unless otherwise stated (dependent on tubing specification)

Ambient temperature:

-20° to +80° C

Materials

Bodies: plastic - PBT, except straight adaptors and straight stem

Straight adaptors: nickel plated brass

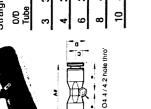
Straight stem adaptors: plastic - acetal

Threads: nickel plated brass Grab ring: stainless steel - BS 1440 Pt 2, grade 301.S21

'O' rings: silicone free nitrile



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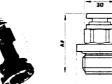
10 48,0 17,4 8,0 20,1 C00201000 39,0 12,9 6,0 15,7 C00200600 43,5 14,5 7,0 17,5 C00200800 33,5 10,7 5,0 13,6 C00200300 33,5 10,7 5,0 13,6 C00200400 о В raight connector

		_			_	_
		33,5 10,7 5,0 13,6 C20200100	5/32" 33,5 10,7 5,0 13,6 C20200200	39,0 12,9 6,0 15,7 C20200400	5/16" 43,5 14,5 7,0 17,5 C20200500	3/8" 48,0 17,4 8,1 20,1 C20200600
	٥	13,6	13,6	15,7	17,5	20,1
	ပ	5,0	5,0	0,9	2,	8,1
ector	<u>в</u>	10,7	10,7	12,9	14,5	17,4
t con	4	33,5	33,5	39,0	43,5	48,0
Straight connector	0/0 Tube	1/8"	5/32"	1/4"	5/16"	3/8"
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Stra 0/D Tub	Straight adaptor 0/D BSPP Tube Thread A	aptor A	ပ	۵	ш	
4	M3	19,2 M3	M3	1,5	10,6	10,6 C0225040
4	M5	21,2 M5	M5	2,5	10,6	C0225040

1	M3	19,2	M3	1,5	10,6	10,6 C02250403
-	M5	21,2	M5	2,5	10,6	C02250405
·	1/8	18,7	1/8"	13,8	12,0	C02250418
	14	21,5	1/4"	17,8	12,0	C02250428
	M5	24,6	M5	2,5	12,6	C02250605
	1/8	24,1	1/8"	13,8	14,0	C02250618
	1/4"	23,1	1/4"	17.8	14.0	C02250628
-	1/8"	27,0	1/8"	13.8	16.0	C02250818
	1/4"	25,0	1/4"	17,8	16,0	C02250828
	3/8"	25,0	3/8"	21,7	16,0	C02250838
	1/2"	27,5	27,5 1/2"	25,7	16,0	C02250848
	1/8"	28,1	1/8"	13.8	21.0	C02251018
	1/4"	31.1	.1/4"	17,8	21.0	C02251028
	3/8"	28,1	3/8"	21,7	21,0	C02251038





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		, (4.2 hole thro'		







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		7			

1/8" 1/8"	1/8" 1/4"	5/32" 1/8"	5/32" 1/4"	1/4" 1/8"	1/4" 1/4"	5/16" 1/8"	5/16" 1/4"	3/8" 1/4"	3/8" 3/8"	Elbow connect
	;		GØ							

33,0 17,0 C24260518

40,5 17,0 C24260528

31,6 15,8 C24260418 38,1 17,0 C24260428

28,2 15,8 C24260218

35,2 17,0 C24260228

28,2 15,8 C24260118 35,2 17,0 C24260128

Female straight adaptor

3/8"

NPTF Thread

O/D Tube

41,1 21,0 C24260628

42,1 24,0 C24260638



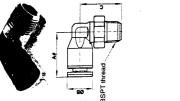
		C00400300	C00400400	C00400600	C00400800	C00401000
	ပ	6,5	6,5	7,7	7,25	8,35
tor	8	10,7	10,7	- 12,9	14,5	17,4
Elbow connector	٨	18,0	18,0	21,0	25,0	27,5
Elbow	0/0 Tube	3	4	9	8	10

C00400800	C00401000		C20400100	1 00000000
7,25	8,35	ပ	6,5	Ľ
14,5	17,4	B	10,7	107
25,0	27,5	⋖	18,0	5/30" 1AN
æ	10	O/D Tube	1/8"	14/30
	-			

Ø4.2 hole thro'

25,7 21,0 C02251048

10 1/2" 30,1 1/2"



27,1 14,0 C02260618

31,6 18,5 C02260628

1/4" 1/8" 1/4" 1/4"

8

29,7 18,5 C02260428

29,1 16,0 C02260818 34,1 18,5 C02260828 29,5 21,0 C02261028 29,5 21,0 C02261038

22,5 12,0 C02260405 25,2 14,0 C02260418

> 1/8" 1/4" 1/8"

W

Female straight adaptor

BSPP Female

90° Swivel elbow adaptor	O/D BSPT C Tube Thread A B C	3 1 1/8" 18,0 10,7 19,5 C0147031831	4 1 1/8" 18,0 10,7 19,5 C01470418	4 1/4" 18,0 10,7 20,5 C01470428	6 11/8" 21,0 12,9 21,0 C01470618	6 1/4" 21,0 12,9 24,0 C01470628	6 3/8" 21,0 12,9 26,0 C01470638	8 1/4" 25,0 14,5 25,0 C01470828	8 3/8" 25,0 14,5 26,5 C01470838	10 3/8" 27,5 17,4 28,5 C01471038	
	4			-							

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adaptor	. 60
MOC	⋖
90° Swivel elbow	NPTF Thread
80° S	O/D Tube

C24470648	36,5	17,4	3/8" 1/2" 27,5 17,4 36,5	1/2"	3/8"	
C24470638	31,0	27,5 17,4 31,0	27,5	3/8" 3/8"	3/8"	
C24470628	27,5 17,4 29,0	17,4	27,5	3/8" 1/4"	3/8"	
C24470528	27,0	25,0 14,5 27,0	25,0	5/16" 1/4"	5/16	,
C24470518	32,2	24,5 14,5	24,5	5/16" 1/8"	5/16	
C24470438	28,0	21,0 12,9 28,0	21,0	1/4" 3/8"	1/4"	
C24470428	26,5	21,0 12,9	21,0	1/4" 1/4"	1/4"	
C24470418	21,0	12,9	21,0	1/4" 1/8"	1/4"	
C24470228	26,0	10,7	18,0	1/4"	. 5/32" 1/4"	э
C24470218	20,0	10,7	18,0	5/32" 1/8"	5/35	-
C24470128	26,0	10,7	18,0	1/4"	1/8"	
C24470118	20,0	10,7	1/8" 1/8" 18,0 10,7 20,0	1/8"	1/8"	

Stem elbow	0/D Tube Stem	4 4	9 9	8 8			
			3	7		3	

	C00430400	26,0 C00430600	25,0 14,5 27,3 31,5 C00430800
-	22.5	26,0	31,5
	21.0	24,5	27,3
	10,7	21,0 12,9 24,5	14,5
	18.0	21,0	25,0
	4	9	
	4	9	ھ
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connector





Straight connector



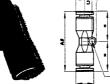


20,1 C00201000

10 48,0 17,4 8,0



Straight connector



1/8" 33,5 10,7 5,0 13,6 C20200100

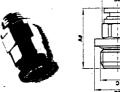
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O/D Tube









5/32" 33,5 10,7 5,0 13,6 C20200200	1/4" 39,0 12,9 6,0 15,7 C20200400	5/16" 43,5 14,5 7,0 17,5 C20200500	3/8" 48,0 17,4 8,1 20,1 C20200600	
13,6	15,7	17,5	20,1	
5,0	0'9	0,7	8,1	-
10,7	12,9	14,5	17,4	+
33,5	39,0	43,5	48,0	·
5/32"	1/4"	5/16"	3/8"	
Ī	- a			



 30

	Straight adaptor O/D BSPP Tube Thread A C 4 M3 19,2 M3	D 1,5 2,5	삐 위위
30	4 1/8" 18,7 1/8" 4 1/4" 21,5 1/4" 6 M5 24,6 M5	1/8" 13,8 12 1/4" 17,8 12 M5 2,5 12	2 2 2
,	8 2	1/8" 13,8 14 1/4" 17,8 14	= =
	8 1/8" 27,0 1/8" 8 1/4" 25,0 1/4"	13,8 16	= =
	8 3/8" 25,0 3/8" 21,7 16	21,7	۽ اڄ ا
		13.8	- ~
	10 1/4" 31,1 1/4" 17,8		N
	10 3/8" 28,1 3/8" 21,7 2	21.7	N

1,0 C02250628 3,0 C02250818

1,0 C02250618



3 33,5 10,7 5,0 13,6 000200300 33.5 10.7 5.0 713.6 000200400 6" 39,0" 12,9 6,0" 15,7 C00200600 143,5 14,5 7,0 17,5 C00200800

le si	BSP Ferr	M5	7
Female st	뚭	4	•
4	A Fr		
V			
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	V		

Fem	분	4	-
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ıle st	BSP Fem	M5	1/8
Female st	뜶	4	4
_	.		
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_	Fem	Female straight adaptor	daptor		-	
_	붑	BSPP Female	4	۵		
	4	M5	22,5	12,0	22,5 12,0 C02260405	
Ī	4	1/8"	25,2	14,0	25,2 14,0 C02260418	
	4	1/4"	29,7	18,5	29,7 18,5 C02260428	_
-	9	1/8"	27,1	14,0	27,1 14,0 C02260618	_
<u>,</u>	9	1/4"	31,6	18,5	31,6 18,5 C02260628	
	۵	1/8"	29,1	16,0	29,1 16,0 C02260818	
	8	1/4"	34,1	18,5	34,1 18,5 C02260828	
	8	1/4"	29,5	21,0	29,5 21,0 C02261028 J	-

29,5 21,0 C02261038

3/8



NPTF Thread

nale straight adaptor

Fen	25	F	÷	2/
1		L.		
•			3	

35,2 17,0 C24260128 28,2 15,8 C24260218 35,2 17,0 C24260228

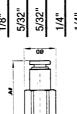
1/4"

15,8

1/8"







1/4"

1/8"

31,6 15,8 C24260418

1/8"

38,1 17,0 C24260428

1/4"

1,6 C02250403),6 C02250405 ,0 C02250418 ,0 C02250428 ,6 C02250605

5/16" 1/8"

33,0 17,0 C24260518

40,5 17,0 C24260528 41,1 21,0 C24260628

1/4" 1/4

3/8"

C24260638



	•		**				80
O/D Tube	က	4	9	8	10	O/D Tube	
4	18,0	18,0	21,0	25,0	27,5	A	
В	10,7	10,7	12,9	14,5	17,4	В	

1,0 C02251018 1,0 C02251028 1,0 C02251038

21,0 C02251048

25,7

10 1/2" 30,1 1/2"

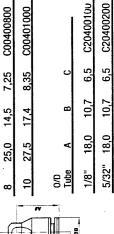
5,0 C02250838 5,0 C02250848

3,0 C02250828

C00400600 C00400800

6,5

C00400300 C00400400



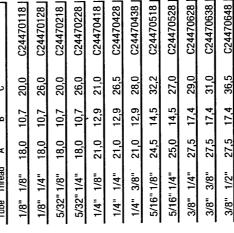


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Modi		⋖
wivel (BSPT	Tube Thread
90° Swivel elbow adaptor	00	Tube

		_	\neg	_	\neg	-7	_	_	\neg	
	18,0 10,7 19,5 C01470318	C01470418	18,0 10,7 20,5 C01470428	21,0 12,9 21,0 C01470618	21,0 12,9 24,0 C01470628	26,0 C01470638	25,0 14,5 25,0 C01470828	25,0 14,5 26,5 C01470838	27,5 17,4 28,5 C01471038	
ပ	19,5		20,5	21,0	24,0	26,0	25,0	26,5	28,5	
ω	10,7	18,0 10,7 19,5	10,7	12,9	12,9	12,9	14,5	14,5	17,4	
⋖	18,0	18.0	18,0	21,0	21.0	21,0 12,9	25,0	25,0	27,5	
0/D BSPT Tube Thread A	1/8"	1/8"	1/4"	1/8"	1/4"	3/8"	1/4"	3/8"	3/8"	
O/D Tube	က	4	4	9	9	9	8	8	9	
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	1	
	В	
	⋖	
NPTF	Thread	
Q/O	Tube	

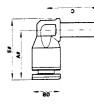




ector	8
conn	٨
Stem elbow connector	0/D Tube Stem

4	O/D Tube	0/D Tube Stem	A	8	ပ	Ē	
	4	4	18,0	18,0 10,7	21,0	22,5	- :
	9	9	21,0	12,9	24,5	26,0	
	8	8	25,0	14,5	27,3	31,5	
(

C00430400 C00430600 C00430800





C20400200

6,5 6,5

C2040010u



0/D Tube Stem A B C E 1/4" 1/4" 21,0 12,9 24,5 26,0 C20430400	Tee connector O/D Tube A B C E 3 18,0 10,7 6,5 23,5 C00600300 4 18,0 10,7 6,5 23,5 C00600400 6 21,0 12,9 7,7 27,5 C00600600 8 25,0 14,5 725,325, C00600800	A B C E 18,0 10,7 6,5 23,5 18,0 10,7 6,5 23,5	1/4" 21,0 12,9 7,7 27,5 C20600400 5/16" 25,0 14,5 7,25 32,5 C20600500 3/8" 27,5 17,4 8,35 36,5 C20600600		
5/16" 25,0 14,5 7,25 C20400500 J 3/8" 27,5 17,4 8,35 C20400600 J	elbow adaptor 1 A B C 18,0 10,7 20,0 C02470318 18,0 10,7 17,5 C02470405 18,0 10,7 20,0 C02470418 18,0 10,7 23,0 C02470428 21,0 12,9 18,5 C02470605	6 1/8" 21,0 12,9 20,5 C02470618	90° Swivel elbow adaptor 0/D UNF Tube Thread A B C 1/8" 10-32 18,0 10,7 17,5 C24470110 5/32" 10-32 18,0 10,7 17,5 C24470210	C'01 6'71 0'17 75-01	
		BSPP thread			
C01250428 C01250618 C01250628	C01250818 C01250828 C01250838 C01251018 C01251028 C01251028 C01251048	C24250110 C24250210 C24250410	C24250116 C24250118 C24250128 C24250218	C24250228 C24250418 C24250428 C24250438 C24250518 C24250528 C24250538	C24250638 C24250648 C24250648

1/8" 1/16" 21,7 10,7 1/16"

O/D NPTF Tube Thread A

1/8" 1/4" 25,7 10,7 1/4"

1/8" 1/8" 20,2 10,7 1/8"

5/32" 1/8" 21,2 10,7 1/8"

25,7 10,7 1/4" 26,1 12,9 1/8"

5/32" 1/4" 1/4" 1/8" 1/4" 1/4" 27,6 12,9 1/4"

1/4" 3/8" 27,6 12,9 3/8"

5/16" 1/4" 29,5 14,5 1/4"

5/16" 1/8" 29,5 14,5 1/8"

5/16" 3/8" 27.5 14.5 3/8" 3/8" 1/8" 31,1 17,6 1/8" 3/8" 1/4" 34.6 17.6 1/4" 30,1 17,6 3/8" 35,6 17,6 1/2"

3/8" 3/8"

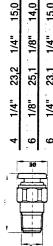
3/8" 1/2"

5/32" 10-32 21,2 10,7 10,6 1/4" 10-32 24,1 12,9 12,6

1/8" 10-32 21,2 10,7 10,6

0/D UNF Tube Thread A

Straight adaptor



25,1 1/8" 14,0 1/4" 23,1 1/4" 15,0

1/8"

28,6 1/8" 16,0 1/4" 26,1 1/4" 16,0

1/8"

3/8" 18,5

26,1

3/8"

1/8" 30,1 1/8" 21,0 10 1/4" 32,1 1/4" 21,0 29.6 3/8" 21.0 1/2" 33,1 1/2" 24,0

3/8"

1/2" 31,6 1/2" 24,0

0/0 Tube Stem A B C E 1/4" 1/4" 21,0 12,9 24,5 26,0 C20430400	Tee connector Ond Tube A B C E 3 18,0 10,7 6,5 23,5 4 18,0 10,7 6,5 23,5 4 18,0 10,7 6,5 23,5 6 21,0 12,9 7,7 27,5 2 × 04.2	1/8" 18,0 10,7 6,5 23,5 C20600100 5/32" 18,0 10,7 6,5 23,5 C20600200 1/4" 21,0 12,9 7,7 27,5 C20600400 5/16" 25,0 14,5 7,25 32,5 C20600500 5/24470210 5/24470410	
5/16" 25,0 14,5 7,25 C20400500 3/8" 27,5 17,4 8,35 C20400600	lelbow adaptor d A B C 18,0 10,7 20,0 18,0 10,7 17,5 18,0 10,7 20,0 18,0 10,7 23,0 21,0 12,9 18,5 21,0 12,9 20,5 21,0 12,9 23,5 25,0 14,5 26,5	10 3/8" 27,5 17,4 28,5 C02471038 90° Swivel elbow adaptor O/D UNF Tube Thread A B C 1/8" 10-32 18,0 10,7 17,5 C24470110 5/32" 10-32 18,0 10,7 17,5 C24470210 1/4" 10-32 21,0 12,9 18,5 C24470410	
	BSSPP thread	DE PROPERTOR DE PR	
C01250428 C01250618 C01250628 C01250818 C01250	C01250828 C01250848 C01251018 C01251028 C01251048 C01251048 C24250110	C24250410 C24250116 C24250118 C24250118 C24250218 C24250418 C24250428 C24250428 C24250428 C24250438 C24250518 C24250518 C24250518 C24250518	C24250638 C24250638 C24250648

1/4" 10-32 24,1 12,9 12,6

25,7 10,7 1/4"

1/8" 1/4"

5/32" 1/8" 21,2 10,7 1/8"

26,1 12,9 1/8"

25,7' 10,7

5/32" 1/4" 1/4" 1/8" 1/4" 1/4" 27,6 12,9 1/4" 1/4" 3/8" 27,6 12,9 3/8" 5/16" 1/8" 29,5 14,5 1/8" 5/16"1/4" 29,5 14,5 1/4" 3/8" 1/8" 31,1 17,6 1/8" 3/8" 1/4" 34.6 17.6 1/4"

5/16" 3/8" 27.5 14.5 3/8"

30,1 17,6 3/8"

3/8" 3/8" 3/8" 1/2"

17,6

35,6

1/8" 1/8" 20,2 10,7 1/8"

10,7

1/8" 1/16" 21,7

O/D NPTF Tube Thread A

1/8" 10-32 21,2 10,7 10,6 5/32" 10-32 21,2 10,7 10,6

0/D UNF Tube Thread A

Straight adaptor

23,1 1/4" 15,0

1/4" 1/8

28,6 1/8" 16,0 1/4" 26,1 1/4" 16,0 26,1 3/8" 18,5 30,1 1/8" 21,0

1/8" 1/5"

31,6 1/2" 24,0

3/8"

10 1/4" 32,1 1/4" 21,0 3/8" 29.6 3/8" 21.0

33,1 1/2"

1/2"

25,1 1/8" 14,0

1/8"

4 1/4" 23,2 1/4" 15,0

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