

PRODUCT INDEX


































The range of Imperial couplings may be used with either steel or copper tubes, but where high vibration stresses are involved, the use of copper tube is not recommended and a heavier gauge of steel tube is preferred. Two tables are shown giving details of tube wall thickness.

- 1 minimum wall thickness for which Pirtek couplings are suitable (either steel or copper tubes) and
- 2 recommended minimum wall thicknesses where high vibration stresses are involved (steel tubes only).

The couplings are suitable for the following working pressures, up to and including:

- 1" O.D. 690 bar (10,000 P.S.I.) hydraulic or 345 bar (5,000 P.S.I.) gas;
- 1 1/4" O.D. 552 bar (8,000 P.S.I.) hydraulic or 276 bar (4,000 P.S.I.) gas;
- 1 1/2" O.D. 414 bar (6,000 P.S.I.) hydraulic or 207 bar (3,000 P.S.I.) gas.

Please note that the pressures for which couplings are suitable do not necessarily relate to the tube wall thickness tables listed above. Tubes of heavier gauge should be used for higher pressures and adverse working conditions.

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1	
Outside Diameter of Tube	Minimum Wall Thickness
1/4" to 3/8"	20 sg. .036"
1/2" to 5/8"	18 sg. .048"
3/4" to 1 1/4"	16 sg. .064"
1 1/2"	14 sg. .080"

2	
Outside Diameter of Tube	Minimum Wall Thickness
1/4" to 1/2"	16 sg. .064"
5/8" to 1"	14 sg. .080"
1 1/4" to 1 1/2"	12 sg. .104"

Nominal Bore	Fractional Outside Dia.	Max. Dia.	Min. Dia.
1/8"	13/32"	.411"	.386"
1/4"	17/32"	.547"	.522"
3/8"	11/16"	.685"	.660"
1/2"	27/32"	.856"	.831"
3/4"	1 1/16"	1.072"	1.047"
1"	1 11/32"	1.346"	1.316"
1 1/4"	1 11/16"	1.687"	1.657"
1 1/2"	1 29/32"	1.919"	1.889"

Banjo Couplings - O.D



Part Number	Tube Size	Male Thread BSPP (ins)
BJ-04-02	1/4	1/8
BJ-04-04	1/4	1/4
BJ-05-04	5/16	1/4
BJ-06-04	3/8	1/4
BJ-06-06	3/8	3/8
BJ-08-06	1/2	3/8
BJ-08-08	1/2	1/2
BJ-10-08	5/8	1/2
BJ-12-08	3/4	1/2
BJ-12-12	3/4	3/4
BJ-14-12	7/8	3/4
BJ-16-16	1	1

Equal Tees - O.D



Part Number	Tube Size
T-04-04-04	1/4
T-05-05-05	5/16
T-06-06-06	3/8
T-08-08-08	1/2
T-10-10-10	5/8
T-12-12-12	3/4
T-14-14-14	7/8
T-16-16-16	1
T-20-20-20	1 1/4
T-24-24-24	1 1/2
T-32-32-32	2

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Blanking Plugs - O.D



Part Number	Tube Size
IBP-04	1/4
IBP-06	3/8
IBP-08	1/2
IBP-12	3/4
IBP-16	1
IBP-20	1 1/4
IBP-24	1 1/2

Female Stud Couplings Fixed BSPP Female - O.D



Part Number	Tube Size	Female Thread BSPP (ins)
FC-04-02	1/4	1/8
FC-04-04	1/4	1/4
FC-04-06	1/4	3/8
FC-06-04	3/8	1/4
FC-06-06	3/8	3/8
FC-06-08	3/8	1/2
FC-08-04	1/2	1/4
FC-08-06	1/2	3/8
FC-08-08	1/2	1/2
FC-08-12	1/2	3/4
FC-10-08	5/8	1/2
FC-12-12	3/4	3/4
FC-14-12	7/8	3/4
FC-16-16	1	1
FC-20-20	1 1/4	1 1/4
FC-24-24	1 1/2	1 1/2

Bulkhead Couplings - O.D



Part Number	Tube Size
BH-04-04	1/4
BH-05-05	5/16
BH-06-06	3/8
BH-08-08	1/2
BH-10-10	5/8
BH-12-12	3/4
BH-14-14	7/8
BH-16-16	1
BH-20-20	1 1/4
BH-24-24	1 1/2

Female Stud Couplings Fixed NPT Female - O.D



Part Number	Tube Size	Female Thread NPT
FC-04-02AT	1/4	1/8
FC-04-04AT	1/4	1/4
FC-04-06AT	1/4	3/8
FC-06-04AT	3/8	1/4
FC-06-06AT	3/8	3/8
FC-06-08AT	3/8	1/2
FC-08-06AT	1/2	3/8
FC-08-08AT	1/2	1/2
FC-08-12AT	1/2	3/4
FC-12-12AT	3/4	3/4
FC-16-16AT	1	1
FC-20-20AT	1 1/4	1 1/4

Equal Elbows -O.D



Part Number	Tube Size
E-04-04	1/4
E-05-05	5/16
E-06-06	3/8
E-08-08	1/2
E-10-10	5/8
E-12-12	3/4
E-14-14	7/8
E-16-16	1
E-20-20	1 1/4
E-24-24	1 1/2

IMPERIAL TUBE COUPLINGS

Male Stud Couplings - BSPP - O.D

Part Number	Tube Size	Male Thread BSPP (ins)
MC-04-02	1/4	1/8
MC-03-04	3/16	1/4
MC-04-04	1/4	1/4
MC-04-06	1/4	3/8
MC-05-04	5/16	1/4
MC-06-04	3/8	1/4
MC-06-06	3/8	3/8
MC-06-08	3/8	1/2
MC-08-04	1/2	1/4
MC-08-06	1/2	3/8
MC-08-08	1/2	1/2
MC-08-12	1/2	3/4
MC-10-08	5/8	1/2
MC-10-10	5/8	5/8
MC-10-12	5/8	3/4
MC-12-08	3/4	1/2
MC-12-12	3/4	3/4
MC-14-12	7/8	3/4
MC-14-16	7/8	1
MC-16-12	1	3/4
MC-16-16	1	1
MC-16-20	1	1 1/4
MC-20-16	1 1/4	1
MC-20-20	1 1/4	1 1/4
MC-20-24	1 1/4	1 1/2
MC-24-20	1 1/2	1 1/4
MC-24-24	1 1/2	1 1/2



Male Stud Couplings - NPT - O.D

Part Number	Tube Size	Male Thread NPT
MC-04-02AT	1/4	1/8
MC-04-04AT	1/4	1/4
MC-04-06AT	1/4	3/8
MC-06-04AT	3/8	1/4
MC-06-06AT	3/8	3/8
MC-06-08AT	3/8	1/2
MC-08-04AT	1/2	1/4
MC-08-06AT	1/2	3/8
MC-08-08AT	1/2	1/2
MC-10-08AT	5/8	1/2
MC-12-08AT	3/4	1/2
MC-12-12AT	3/4	3/4
MC-16-12AT	1	3/4
MC-16-16AT	1	1
MC-20-16AT	1 1/4	1
MC-20-20AT	1 1/4	1 1/4
MC-24-20AT	1 1/2	1 1/4
MC-24-24AT	1 1/2	1 1/2



Male Stud Couplings - BSPT - O.D

Part Number	Tube Size	Male Thread BSPT
MC-04-02T	1/4	1/8
MC-04-04T	1/4	1/4
MC-04-06T	1/4	3/8
MC-05-04T	5/16	1/4
MC-06-04T	3/8	1/4
MC-06-06T	3/8	3/8
MC-06-08T	3/8	1/2
MC-08-04T	1/2	1/4
MC-08-06T	1/2	3/8
MC-08-08T	1/2	1/2
MC-10-08T	5/8	1/2
MC-12-08T	3/4	1/2
MC-12-12T	3/4	3/4
MC-14-12T	7/8	3/4
MC-16-12T	1	3/4
MC-16-16T	1	1
MC-20-16T	1 1/4	1
MC-20-20T	1 1/4	1 1/4
MC-24-20T	1 1/2	1 1/4
MC-24-24T	1 1/2	1 1/2



Male Stud Elbows - BSPP - O.D

Part Number	Tube Size	Male Thread BSPP (ins)
ME-04-02	1/4	1/8
ME-04-04	1/4	1/4
ME-05-04	5/16	1/4
ME-06-04	3/8	1/4
ME-06-06	3/8	3/8
ME-08-06	1/2	3/8
ME-08-08	1/2	1/2
ME-10-08	5/8	1/2
ME-12-08	3/4	1/2
ME-12-12	3/4	3/4
ME-16-12	1	3/4
ME-16-16	1	1
ME-20-16	1 1/4	1
ME-20-20	1 1/4	1 1/4
ME-24-24	1 1/2	1 1/2



Male Stud Elbows - BSPT - O.D

Part Number	Tube Size	Male Thread BSPT
ME-04-02T	1/4	1/8
ME-04-04T	1/4	1/4
ME-06-04T	3/8	1/4
ME-06-06T	3/8	3/8
ME-08-06T	1/2	3/8
ME-08-08T	1/2	1/2
ME-10-08T	5/8	1/2
ME-12-08T	3/4	1/2
ME-12-12T	3/4	3/4
ME-16-12T	1	3/4
ME-16-16T	1	1
ME-20-16T	1 1/4	1
ME-20-20T	1 1/4	1 1/4
ME-24-24T	1 1/2	1 1/2



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Male Stud Elbows - NPT - O.D



Part Number	Tube Size	Male Thread NPT
ME-04-02AT	1/4	1/8
ME-04-04AT	1/4	1/4
ME-05-04AT	5/16	1/4
ME-06-04AT	3/8	1/4
ME-06-06AT	3/8	3/8
ME-08-06AT	1/2	3/8
ME-08-08AT	1/2	1/2
ME-10-08AT	5/8	1/2
ME-12-08AT	3/4	1/2
ME-12-12AT	3/4	3/4
ME-16-12AT	1	3/4
ME-16-16AT	1	1
ME-20-16AT	1 1/4	1
ME-20-20AT	1 1/4	1 1/4
ME-24-20AT	1 1/2	1 1/4
ME-24-24AT	1 1/2	1 1/2

Reducing Adaptors - O.D



Part Number	Tube Size	O.D. of Standpipe
RA-04-06	1/4	3/8
RA-04-08	1/4	1/2
RA-04-10	1/4	5/8
RA-06-08	3/8	1/2
RA-06-10	3/8	5/8
RA-06-12	3/8	3/4
RA-08-10	1/2	5/8
RA-08-12	1/2	3/4
RA-08-14	1/2	7/8
RA-08-16	1/2	1
RA-10-12	5/8	3/4
RA-12-16	3/4	1
RA-12-20	3/4	1 1/4
RA-14-20	7/8	1 1/4
RA-14-24	7/8	1 1/2
RA-16-20	1	1 1/4
RA-20-24	1 1/4	1 1/2

Male Stud Standpipes - BSPP - O.D



Part Number	Male Thread BSPP	O.D. of Standpipe
SA-02-04	1/8	1/4
SA-04-04	1/4	1/4
SA-04-05	1/4	5/16
SA-04-06	1/4	3/8
SA-06-06	3/8	3/8
SA-06-08	3/8	1/2
SA-08-08	1/2	1/2
SA-08-10	1/2	5/8
SA-08-12	1/2	3/4
SA-12-12	3/4	3/4
SA-12-14	3/4	7/8
SA-12-16	3/4	1
SA-16-16	1	1
SA-16-20	1	1 1/4
SA-20-20	1 1/4	1 1/4
SA-20-24	1 1/4	1 1/2
SA-24-24	1 1/2	1 1/2

Reducing Couplings - O.D



No.	Tube Size	Tube Size
RC-05-04	5/16	1/4
RC-06-04	3/8	1/4
RC-06-05	3/8	5/16
RC-08-04	1/2	1/4
RC-08-06	1/2	3/8
RC-10-08	5/8	1/2
RC-12-06	3/4	3/8
RC-12-08	3/4	1/2
RC-12-10	3/4	5/8
RC-16-08	1	1/2
RC-16-12	1	3/4
RC-16-14	1	7/8
RC-20-12	1 1/4	3/4
RC-20-16	1 1/4	1
RC-24-16	1 1/2	1
RC-24-20	1 1/2	1 1/4

Nut - O.D



Part Number	Tube Size
N-04	1/4
N-05	5/16
N-06	3/8
N-08	1/2
N-10	5/8
N-12	3/4
N-14	7/8
N-16	1
N-20	1 1/4
N-24	1 1/2
N-32	2

Straight Couplings - O.D



Part Number	Tube Size
SC-04-04	1/4
SC-05-05	5/16
SC-06-06	3/8
SC-08-08	1/2
SC-10-10	5/8
SC-12-12	3/4
SC-14-14	7/8
SC-16-16	1
SC-20-20	1 1/4
SC-24-24	1 1/2

Ferrule - O.D



Part Number	Tube Size
F-04	1/4
F-05	5/16
F-06	3/8
F-08	1/2
F-10	5/8
F-12	3/4
F-14	7/8
F-16	1
F-20	1 1/4
F-24	1 1/2
F-32	2

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IMPERIAL TUBE COUPLINGS

Banjo Couplings - N.B

Part Number	N.B. Tube Size	Male Thread BSPP (ins)
NBJ-02-02	1/8	1/8
NBJ-02-04	1/8	1/4
NBJ-04-04	1/4	1/4
NBJ-04-06	1/4	3/8
NBJ-06-06	3/8	3/8
NBJ-06-08	3/8	1/2
NBJ-08-08	1/2	1/2



Female Stud Couplings - Fixed BSPP Female - N.B

Part Number	N.B. Tube Size	Female Thread BSPP (ins)
NFC-02-02	1/8	1/8
NFC-04-02	1/4	1/8
NFC-04-04	1/4	1/4
NFC-04-06	1/4	3/8
NFC-04-08	1/4	1/2
NFC-06-06	3/8	3/8
NFC-06-08	3/8	1/2
NFC-08-06	1/2	3/8
NFC-08-08	1/2	1/2
NFC-08-12	1/2	3/4
NFC-12-12	3/4	3/4
NFC-16-16	1	1
NFC-20-20	1 1/4	1 1/4
NFC-24-24	1 1/2	1 1/2



Blanking Plugs - N.B

Part Number	N.B. Tube Size
NBP-02	1/8
NBP-04	1/4
NBP-06	3/8
NBP-08	1/2
NBP-12	3/4
NBP-16	1
NBP-20	1 1/4
NBP-24	1 1/2



Male Stud Couplings - BSPP - N.B

Part Number	N.B. Tube Size	Male Thread BSPP (ins)
NMC-02-02	1/8	1/8
NMC-02-04	1/8	1/4
NMC-02-06	1/8	3/8
NMC-04-02	1/4	1/8
NMC-04-04	1/4	1/4
NMC-04-06	1/4	3/8
NMC-04-08	1/4	1/2
NMC-06-04	3/8	1/4
NMC-06-06	3/8	3/8
NMC-06-08	3/8	1/2
NMC-06-12	3/8	3/4
NMC-08-04	1/2	1/4
NMC-08-06	1/2	3/8
NMC-08-08	1/2	1/2
NMC-08-12	1/2	3/4
NMC-08-16	1/2	1
NMC-12-08	3/4	1/2
NMC-12-12	3/4	3/4
NMC-12-16	3/4	1
NMC-16-12	1	3/4
NMC-16-16	1	1
NMC-16-20	1	1 1/4
NMC-20-16	1 1/4	1
NMC-20-20	1 1/4	1 1/4
NMC-20-24	1 1/4	1 1/2
NMC-24-24	1 1/2	1 1/2
NMC-24-32	1 1/2	2



Bulkhead Couplings - N.B

Part Number	N.B. Tube Size
NBH-02-02	1/8
NBH-04-04	1/4
NBH-06-06	3/8
NBH-08-08	1/2
NBH-12-12	3/4
NBH-16-16	1
NBH-20-20	1 1/4
NBH-24-24	1 1/2



Equal Elbows - N.B

Part Number	N.B. Tube Size
NE-02-02	1/8
NE-04-04	1/4
NE-06-06	3/8
NE-08-08	1/2
NE-12-12	3/4
NE-16-16	1
NE-20-20	1 1/4
NE-24-24	1 1/2



Equal Tees - N.B

Part Number	N.B. Tube Size
NT-02-02-02	1/8
NT-04-04-04	1/4
NT-06-06-06	3/8
NT-08-08-08	1/2
NT-12-12-12	3/4
NT-16-16-16	1
NT-20-20-20	1 1/4
NT-24-24-24	1 1/2



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Male Stud Couplings - BSPT - N.B



Part Number	N.B. Tube Size	Male Thread BSPT
NMC-02-02T	1/8	1/8
NMC-02-04T	1/8	1/4
NMC-04-04T	1/4	1/4
NMC-04-06T	1/4	3/8
NMC-04-08T	1/4	1/2
NMC-06-04T	3/8	1/4
NMC-06-06T	3/8	3/8
NMC-06-08T	3/8	1/2
NMC-08-08T	1/2	1/2
NMC-08-12T	1/2	3/4
NMC-12-12T	3/4	3/4
NMC-16-16T	1	1
NMC-16-20T	1	1 1/4
NMC-20-16T	1 1/4	1
NMC-20-20T	1 1/4	1 1/4
NMC-20-24T	1 1/4	1 1/2
NMC-24-24T	1 1/2	1 1/2

Male Stud Standpipes - BSPP - N.B



Part Number	Male Thread BSPP	N.B. Size Standpipe
NSA-04-04	1/4	1/4
NSA-06-04	3/8	1/4
NSA-06-06	3/8	3/8
NSA-08-06	1/2	3/8
NSA-08-08	1/2	1/2
NSA-12-08	3/4	1/2
NSA-12-12	3/4	3/4
NSA-12-16	3/4	1
NSA-16-12	1	3/4
NSA-16-16	1	1
NSA-16-20	1	1 1/4
NSA-20-16	1 1/4	1
NSA-20-20	1 1/4	1 1/4
NSA-24-24	1 1/2	1 1/2

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Male Stud Elbows - BSPP - N.B



Part Number	N.B. Tube Size	Male Thread BSPP (ins)
NME-02-02	1/8	1/8
NME-04-04	1/4	1/4
NME-04-06	1/4	3/8
NME-06-06	3/8	3/8
NME-08-08	1/2	1/2
NME-12-12	3/4	3/4
NME-16-16	1	1
NME-20-20	1 1/4	1 1/4
NME-24-24	1 1/2	1 1/2

Nut - N.B



Part Number	N.B. Tube Size
NN-02	1/8
NN-04	1/4
NN-06	3/8
NN-08	1/2
NN-12	3/4
NN-16	1
NN-20	1 1/4
NN-24	1 1/2

Male Stud Elbows - BSPT - N.B



Part Number	N.B. Tube Size	Male Thread BSPT
NME-02-04T	1/8	1/4
NME-04-04T	1/4	1/4
NME-04-06T	1/4	3/8
NME-06-06T	3/8	3/8
NME-08-08T	1/2	1/2
NME-12-12T	3/4	3/4
NME-16-16T	1	1
NME-20-20T	1 1/4	1 1/4
NME-24-24T	1 1/2	1 1/2

Ferrule - N.B



Part Number	N.B. Tube Size
NF-02	1/8
NF-04	1/4
NF-06	3/8
NF-08	1/2
NF-12	3/4
NF-16	1
NF-20	1 1/4
NF-24	1 1/2

IMPERIAL TUBE COUPLINGS

Reducing Adaptors - N.B

Part Number	N.B. Tube Size	N.B. Dia. of Standpipe
NRA-04-08	1/4	1/2
NRA-06-12	3/8	3/4
NRA-06-16	3/8	1
NRA-08-12	1/2	3/4
NRA-08-20	1/2	1 1/4
NRA-08-24	1/2	1 1/2
NRA-12-16	3/4	1
NRA-12-20	3/4	1 1/4
NRA-12-24	3/4	1 1/2
NRA-16-20	1	1 1/4
NRA-16-24	1	1 1/2
NRA-20-24	1 1/4	1 1/2



Straight Couplings - N.B

Part Number	N.B. Tube Size
NSC-02-02	1/8
NSC-04-04	1/4
NSC-06-06	3/8
NSC-08-08	1/2
NSC-12-12	3/4
NSC-16-16	1
NSC-20-20	1 1/4
NSC-24-24	1 1/2



Reducing Couplings - N.B

Part Number	N.B. Tube Size	N.B. Tube Size
NRC-04-02	1/4	1/8
NRC-06-04	3/8	1/4
NRC-08-04	1/2	1/4
NRC-12-08	3/4	1/2
NRC-16-12	1	3/4
NRC-20-16	1 1/4	1
NRC-24-20	1 1/2	1 1/4

