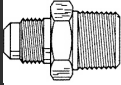


GRUNER BRASS FITTINGS

Brass Fittings

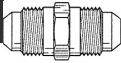
Refrigeration 45° Flare Fittings - Connectors & Unions

Male Connector U1



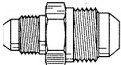
Mfg Part No	Tube Size	Pipe Thread	Straight Thread
U1-4A	1/4"	1/8"	7/16-20
U1-4B	1/4"	1/4"	9/16-20
U1-4C	1/4"	3/8"	7/16-20
U1-6B	3/8"	1/4"	5/8-18
U1-6C	3/8"	3/8"	5/8-18
U1-6D	3/8"	1/2"	5/8-16
U1-8C	1/2"	3/8"	3/4-16
U1-8D	1/2"	1/2"	3/4-16
U1-10D	5/8"	1/2"	7/8-14

Union U2



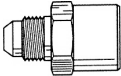
Mfg Part No	Tube Size	Straight Thread
U2-4	1/4"	7/16-20
U2-6	3/8"	5/8-18
U2-8	1/2"	3/4-16
U2-10	5/8"	7/8-14

Union Reducers UR2



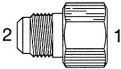
Mfg Part No	Tube Size	Tube Size	Straight Thread	Straight Thread
UR2-64	3/8"	1/4"	5/8-18	7/16-20
UR2-86	1/2"	3/8"	3/4-16	5/8-18
UR2-106	5/8"	3/8"	7/8-14	5/8-18

Female Connector U3



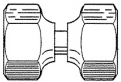
Mfg Part No	Tube Size	Pipe Thread	Straight Thread
U3-4B	1/4"	1/4"	7/16-20
U3-6C	3/8"	3/8"	5/8-18

Reducer - Female Flare to Male Flare UR3



Mfg Part No	1 Tube Size	2 Tube Size	1 Straight Thread	2 Straight Thread
UR3-46	1/4"	3/8"	7/16-20	5/8-18
UR3-64	3/8"	1/4"	5/8-18	7/16-20
UR3-86	1/2"	3/8"	3/4-16	5/8-18
UR3-108	5/8"	1/2"	7/8-14	3/4-16

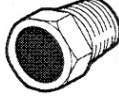
Swivel Nut Connector US4



Mfg Part No	Tube Size	Straight Thread
US4-4	1/4"	7/16-20
US4-6	3/8"	5/8-18
US4-8	1/2"	3/4-16

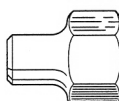
Refrigeration 45° Flare Fittings - Seals, Gaskets & Adapters

Fusible Pipe Plugs FP



Mfg Part No	Pipe Thread	Melting Temp
FP-A-165	1/8"	165°F
FP-B-165	1/4"	165°F
FP-C-165	3/8"	165°F
FP-A-212	1/8"	212°F
FP-B-212	1/4"	212°F
FP-C-212	3/8"	212°F
FP-A-280	1/8"	280°F
FP-B-280	1/4"	212°F
FP-C-280	3/8"	280°F

Long Forged Nut N4



Mfg Part No	Tube Size	Straight Thread
N4-6	3/8"	5/8-18
N4-8	1/2"	3/4-16

Short Forged Nut NS4



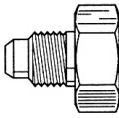
Mfg Part No	Tube Size	Straight Thread
NS4-4	1/4"	7/16-20
NS4-5	5/16"	1/2-20
NS4-6	3/8"	5/8-18
NS4-8	1/2"	3/4-16
NS4-10	5/8"	7/8-14
NS4-12	3/4"	1 1/16-14

Short Forged Reducing Nut NSR4



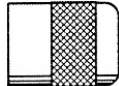
Mfg Part No	Tube Size	Straight Thread
NSR4-5-4	1/4"	1/2-20
NSR4-6-4	1/4"	5/8-18
NSR4-6-5	5/16"	5/8-18
NSR4-8-6	3/8"	3/4-16
NSR4-10-8	1/2"	7/8-14

Refrigerant Drum Adapter K1



Mfg Part No	Tube OD	Pipe Thread
K1-1	1/4"	3/4"
K1-3	3/8"	3/4"
K1-5	1/2"	3/4"
K1-8	1/4"	1/2"

Flare Seal Caps - Finger Tightening NFT5



Mfg Part No	Tube Size	Straight Thread
NFT5-4	1/4"	7/16-20
NFT5-6	3/8"	5/8-18

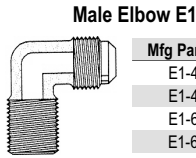
GRUNER BRASS FITTINGS

Albany, NY	518-489-0010	Rochester, NY	585-482-3876	Allentown, PA	610-437-9818	Scranton, PA	570-346-1565
Binghamton, NY	607-724-2451	Syracuse, NY	315-475-3131	Altoona, PA	814-941-7617	Stroudsburg, PA	570-424-5724
Buffalo, NY	716-853-1291	Utica, NY	315-732-4077	Erie, PA	814-459-4559	Wilkes-Barre, PA	570-824-8779
Middletown, NY	845-733-5666			Harrisburg, PA	717-558-0828	Williamsport, PA	570-323-4606

GRUNER BRASS FITTINGS

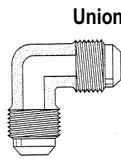
Brass Fittings

Refrigeration 45° Flare Fittings - Elbows



Male Elbow E1

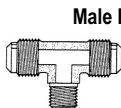
Mfg Part No	Tube Size	Pipe Thread	Straight Thread
E1-4A	1/4"	1/8"	7/16-20
E1-4B	1/4"	1/4"	7/16-20
E1-6B	3/8"	1/4"	5/8-18
E1-6C	3/8"	3/8"	5/8-18
E1-6D	3/8"	1/2"	5/8-18
E1-8D	1/2"	1/2"	3/4-16



Union Elbow E2

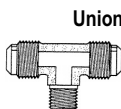
Mfg Part No	Tube Size	Straight Thread
E2-4	1/4"	7/16-20
E2-6	3/8"	5/8-18
E2-8	1/2"	3/4-16

Refrigeration 45° Flare Fittings - Tees & Crosses



Male Branch Tee T1

Mfg Part No	Tube Size	Pipe Thread	Straight Thread
T1-4A	1/4"	1/8"	7/16-20
T1-4B	1/4"	1/4"	7/16-20
T1-8C	1/2"	3/8"	3/4-16
T1-8D	1/2"	1/2"	3/4-16
T1-6C	3/8"	3/8"	5/8-18
T1-8B	1/2"	1/4"	3/4-16
T1-6B	3/8"	1/4"	5/8-18

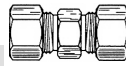


Union Tee T2

Mfg Part No	Tube Size	Straight Thread
T2-4	1/4"	7/16-20
T2-5	5/16"	1/2-20
T2-6	3/8"	5/8-18
T2-8	1/2"	3/4-16

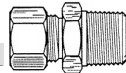
Compression Fittings

Union 62



Mfg Part No	Tube Size	Straight Thread
62-2	1/8"	5/16"-24
62-3	3/16"	3/8"-24
62-4	1/4"	7/16"-24
62-5	5/16"	1/2"-24
62-6	3/8"	9/16"-24
62-8	1/2"	1 1/16"-20

Male Connector 68

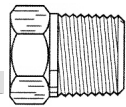


Mfg Part No	Tube Size	Pipe Thread	Straight Thread
68-4-4	1/4"	1/4"	7/16-24
68-4-2	1/4"	1/8"	7/16-24
68-8-8	1/2"	1/2"	1 1/16-20
68-6-2	3/8"	1/8"	9/16-24
68-6-4	3/8"	1/4"	9/16-24
68-8-6	1/2"	3/8"	1 1/16-20
68-3-2	3/16"	1/8"	3/8-24
68-2-2	1/8"	1/8"	5/16-24
68-6-8	3/8"	1/2"	9/16-24
68-6-6	3/8"	3/8"	9/16-24
68-3-4	3/16"	1/4"	3/8-24

Brass Fittings

Brass Pipe Fittings

Hex-Head Plug 121



Mfg Part No	Pipe Thread
121-2	1/8"
121-4	1/4"
121-6	3/8"

GRUNER BRASS FITTINGS