



LE RACCORD INDUSTRIEL
COMPONENTS FOR COLD AND GASES

FITTINGS & VALVES

FOR REFRIGERATION INDUSTRY



LE RACCORD INDUSTRIEL FRIGORIFIQUE "RIF"

Since it was founded in 1953, Le Raccord Industriel Frigorifique, has designed and manufactured fittings, valves and brazed sub-assemblies for major players in the refrigeration industry.

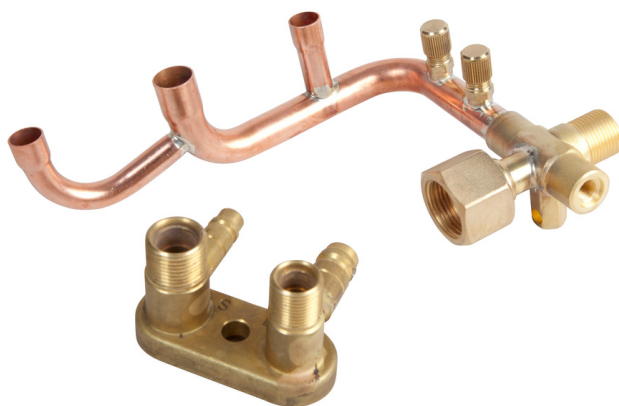
With 70 years' experience behind us, we combine traditional techniques with the latest technological advances, such as 3D digital printing, to provide the optimum response to our customers' requirements.

Our wide range of forging blanks, combined with our design, machining, brazing and assembly capabilities, enable us to offer you a wide variety of products, both simple and complex.

All our fittings and valves are made from drop-forged brass, guaranteeing homogeneity of material, absence of internal stress, excellent thermal shock resistance and enhanced mechanical characteristics.

Thanks to our long history and commitment, we're proud to continue providing superior solutions to the refrigeration industry for over seven decades.

70 years at
your service



Short nuts

Female SAE	Pipe	Product code	Femelle SAE	Pipe	Product code
Inch			Metric reductions		
3/16	3/16"	70 E033N	1/4	6mm	70 E070M
1/4	3/16"	70 E045	3/8	6mm	70 E071M
1/4	1/4"	70 E035N	3/8	8mm	70 E072M
5/16	1/4"	70 E046	3/8	10mm	70 E073M
5/16	5/16"	70 E034N	1/2	10mm	70 E074M
3/8	1/4"	70 E048	1/2	12mm	70 E075M
3/8	5/16"	70 E047	5/8	12mm	70 E076M
3/8	3/8"	70 E036N	5/8	14mm	70 E077M
1/2	1/4"	70 E049	5/8	15mm	70 E078M
1/2	3/8"	70 E050	5/8	16mm	70 E079M
1/2	1/2"	70 E037N	3/4	16mm	70 E080M
5/8	3/8"	70 E051	3/4	18mm	70 E081M
5/8	1/2"	70 E052			
5/8	5/8"	70 E038N			
3/4	1/2"	70 E053			
3/4	5/8"	70 E054			
3/4	3/4"	70 E039N			
1"	5/8"	70 E055			
1"	3/4"	70 E056			
1"	1"	70 E040			



Female SAE



Pipe

Long nuts

Female SAE	Pipe	Product code	Female SAE	Pipe	Product code
Inch			Metric reductions		
3/16	3/16"	70 E007	3/8	8mm	70 E002TER
1/4	3/16"	70 E011	3/8	10mm	70 E002BIS
1/4	1/4"	70 E001	5/8	14mm	70 E004BIS
5/16	1/4"	70 E012			
5/16	5/16"	70 E008			
3/8	1/4"	70 E014			
3/8	5/16"	70 E013			
3/8	3/8"	70 E002			
1/2	1/4"	70 E015			
1/2	3/8"	70 E016			
1/2	1/2"	70 E003			
5/8	3/8"	70 E017			
5/8	1/2"	70 E018			
5/8	5/8"	70 E004			
3/4	1/2"	70 E019			
3/4	5/8"	70 E020			
3/4	3/4"	70 E005			
1"	5/8"	70 E021			
1"	3/4"	70 E022			
1"	1"	70 E006			



Pipe



Female SAE

Nuts

Straight fittings

Bottle charging fittings

Tees

Elbows

Plugs
Gaskets and sealing caps

Cross Valves

Special products

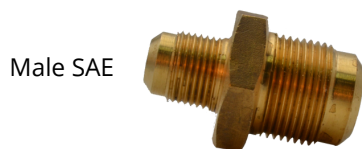
Male SAE - female SAE

Male SAE	Female SAE	Product code
5/16	1/4	70 MF040
5/16	3/8	70 MF041
1/4	1/4	70 MF001
1/4	5/16	70 D1098
1/4	3/8	70 MF002
1/4	1/2	70 MF003
1/4	5/8	70 MF004
3/8	1/4	70 MF005
3/8	3/8	70 MF006
3/8	1/2	70 MF007
3/8	5/8	70 MF008
3/8	3/4	70 MF009
1/2	1/4	70 MF010
1/2	3/8	70 MF011
1/2	1/2	70 MF012
1/2	5/8	70 MF013
1/2	3/4	70 MF014
1/2	1"	70 MF015
5/8	1/4	70 MF016
5/8	3/8	70 MF017
5/8	1/2	70 MF018
5/8	5/8	70 MF019
5/8	3/4	70 MF020
5/8	1"	70 MF021
3/4	3/8	70 MF022
3/4	1/2	70 MF023
3/4	5/8	70 MF024
3/4	3/4	70 MF025
3/4	1"	70 MF026
1"	1/2	70 MF027
1"	5/8	70 MF028
1"	3/4	70 MF029
1"	1"	70 MF030



Double male SAE

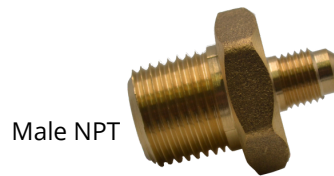
Male SAE	Male SAE	Product code
3/16	3/16	70 DM007
1/4	3/8	70 DM026
1/4	1/4	70 DM001
1/4	5/16	70 DM027
1/4	3/8	70 DM014
1/4	1/2	70 DM015
1/4	5/8	70 DM017
5/16	5/16	70 DM008
5/16	3/8	70 DM028
3/8	3/8	70 DM002
3/8	1/2	70 DM016
3/8	5/8	70 DM018
3/8	3/4	70 DM020
1/2	1/2	70 DM003
1/2	5/8	70 DM019
1/2	3/4	70 DM021
1/2	1"	70 DM023
5/8	5/8	70 DM004
5/8	3/4	70 DM022
5/8	1"	70 DM024
3/4	3/4	70 DM005
3/4	1"	70 DM025
1"	1"	70 DM006



Non-exhaustive list of combinations. Consult us for other configurations

Male SAE - male NPT

Male SAE	Male NPT	Product code
1/8	3/16	70 DM130
1/8	1/4	70 DM042
1/8	5/16	70 DM131
1/8	3/8	70 DM043
1/8	1/2	70 DM132
1/4	5/16	70 DM133
1/4	1/4	70 DM044
1/4	3/8	70 DM045
1/4	1/2	70 DM046
1/4	5/8	70 DM047
3/8	1/4	70 DM048
3/8	3/8	70 DM049
3/8	1/2	70 DM050
3/8	5/8	70 DM051
3/8	3/4	70 DM052
1/2	1/4	70 DM053
1/2	3/8	70 DM054
1/2	1/2	70 DM055
1/2	5/8	70 DM056
1/2	3/4	70 DM057
1/2	1"	70 DM058
3/4	1/2	70 DM059
3/4	5/8	70 DM060
3/4	3/4	70 DM061
3/4	1"	70 DM062
1"	5/8	70 DM063
1"	3/4	70 DM064
1"	1"	70 DM065



Nuts

Straight fittings

Bottle charging fittings

Tees

Elbows

Plugs and sealing caps

Cross Valves

Special products

male SAE - ODS (to be solder)

Male SAE	ODS	Product code
1/4	1/4"	70 DM096
1/4	5/16"	70 DM077
1/4	3/8"	70 DM078
3/8	3/8"	70 DM097
3/8	1/4"	70 DM079
3/8	5/16"	70 DM080
3/8	1/2"	70 DM081
3/8	5/8"	70 DM082
1/2	1/2"	70 DM098
1/2	3/8"	70 DM083
1/2	5/8"	72 D1254
5/8	5/8"	70 DM099
5/8	1/2"	70 DM085
5/8	3/4"	70 DM086
5/8	7/8"	70 DM087
3/4	3/4"	70 DM100
3/4	7/8"	70 DM088
7/8	7/8"	72 D1960
1"	1"	70 DM101

ODS



Male SAE



Non-exhaustive list of combinations. Consult us for other configurations



Male SAE - female NPT

Male SAE	Female NPT	Product code
1/4	1/8	70 MF070
1/4	1/4	70 MF071
1/4	3/8	70 MF072
5/16	1/8	70 MF066
5/16	1/4	70 MF067
5/16	5/16	70 MF068
5/16	3/8	70 MF069
3/8	1/8	70 MF073
3/8	1/4	70 MF074
3/8	3/8	70 MF075
3/8	1/2	70 MF076
1/2	1/4	70 MF077
1/2	3/8	70 MF078
1/2	1/2	70 MF079
5/8	1/8	70 MF084
5/8	1/4	70 MF085
5/8	3/8	70 MF082
5/8	1/2	70 MF083
5/8	3/4	70 MF086

Female NPT



Male SAE



Male NPT - female NPT

Male NPT	Female NPT	Product code
1/8	1/8	70 MF117
1/8	1/4	70 MF118
1/4	1/8	70 MF119
1/4	1/4	70 MF131
1/4	3/8	70 MF134
3/8	1/8	70 MF124
3/8	1/4	70 MF125
3/8	3/8	70 MF132
3/8	1/2	70 MF135
1/2	1/4	72 D0902
1/2	3/8	70 MF126
1/2	1/2	70 MF133
1/2	3/4	72 D2689
3/4	1/2	72 D0905
3/4	3/4	72 D2158
1"	3/4	72 D2090

Male NPT



Female NPT

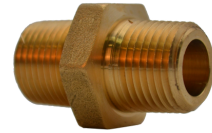


Non-exhaustive list of combinations. Consult us for other configurations

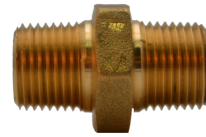


Double male NPT

Male NPT	Male NPT	Product code
1/8	1/8	70 DM109
1/8	1/4	70 DM115
1/8	3/8	70 DM116
1/8	1/2	70 D2598
1/4	1/4	70 DM110
1/4	3/8	70 DM117
1/4	1/2	70 DM118
3/8	3/8	70 DM111
3/8	1/2	70 DM119
3/8	3/4	70 DM120
1/2	1/2	70 DM112
1/2	3/4	70 DM121
1/2	1"	70 DM122
3/4	3/4	70 DM113
3/4	1"	70 DM123
1"	1"	70 DM114



Male NPT



Male NPT

Male NPT - female SAE

Male NPT



Female SAE



Male NPT	female SAE	Product code
Brass		
1/8	1/4	70 MF113
1/4	1/4	70 MF114
1/4	3/8	70 MF115
3/8	1/4	70 D1425
1/2	3/8	70 MF142
1/2	1/2	70 MF116
3/4	3/4	72 D1023
Stainless steel		
1/4	1/4	72 D1786

Nuts

Straight fittings

Bottle charging fittings

Tees

Elbows

Plugs
Gaskets and sealing caps

Cross Valves

Special products

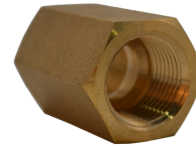
Non-exhaustive list of combinations. Consult us for other configurations



Double female SAE

Female SAE	Female SAE	Product code
1/4	1/4	70 DF001
3/8	3/8	70 DF002
1/2	1/2	70 DF003
5/8	5/8	70 DF004
3/4	3/4	70 DF005

Female SAE



Female SAE

Nuts

Straight fittings

Bottle charging fittings

Tees

Elbows

Plugs
Gaskets and sealing caps

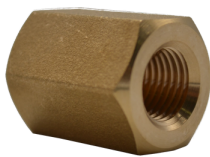
Cross Valves

Special products

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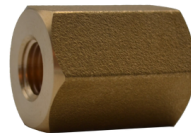
Female SAE- female NPT

Female SAE	Female NPT	Product code
1/4	1/8	70 DF012
1/4	1/4	70 DF013
3/8	1/8	72 D2793
3/8	3/8	72 D1707



Female NPT

Female SAE



Double female NPT

Female NPT	Female NPT	Product code
1/8	1/8	70 DF016
1/4	1/4	70 DF017
1/4	3/8	70 DF022
1/4	1/2	70 DF023
3/8	3/8	70 DF018
3/8	1/2	70 DF024
1/2	1/2	70 DF019

Female NPT



Female NPT

Female NPT - ODS (to be solder)

Female NPT	ODS	Product code
1/2	1/2 ODS	72 D2668
1/2	7/8 ODS	72 D1524

ODS

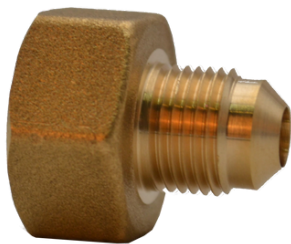


Female NPT

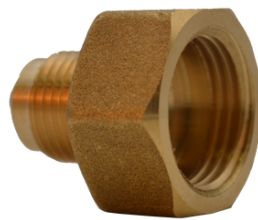
Non-exhaustive list of combinations. Consult us for other configurations

Bottle charging fittings

Female	Male SAE	Product code	
		Without gasket	With gasket
Brass			
18/150	1/4	70 MF120	70 MF120A
18/150	3/8	70 MF122	70 MF122A
21.7x1.814	1/4	70 MF127	70 MF127A
21.7x1.814	3/8	70 MF137	70 MF137A
1/2 NPT	1/4	70 MF136	70 MF136A
3/4 NPT	1/4	70 MF138	70 MF138A
3/4 NPT	1/2	70 MF139	70 MF139A
3/4 NPT	3/8	70 MF140	70 MF140A
3/4 NPT	1/2	70 MF141	70 MF141A
3/4 NPT	3/4	70 MF139	70 MF139A
W 21.8x1.814	1/4	72 D3004	72 D3004A
W 21.8x1.814	1/2	72 D3042	72 D3042A
W21.8x1.814	3/8	72 D2194	72 D2194A
W 21.8x1.814 à gauche	1/4	72 D2851	72 D2851A
W 21.8x1.814 à gauche	1/2	72 D3041	72 D3041A
W21.7x1.814 à gauche	5/16	72 D3093	-
3/4 Gaz femelle	3/8	72 D3098	-
304 Stainless steel			
21.7x1.814	1/4	72 D3077	



Male SAE



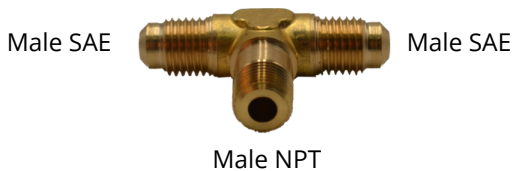
Female

Non-exhaustive list of combinations. Consult us for other configurations



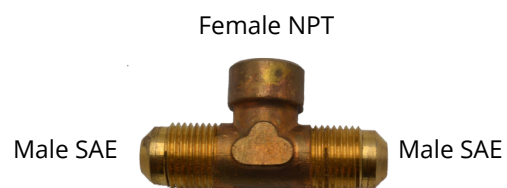
Tee male SAE - male NPT- male SAE

Male SAE	Male NPT	Male SAE	Product code
1/4	1/8	1/4	70 T066
1/4	1/4	1/4	70 T068
1/4	3/8	1/4	70 T071
3/8	1/8	3/8	70 T067
3/8	1/4	3/8	70 T069
3/8	3/8	3/8	70 T072
3/8	1/2	3/8	70 T075
1/2	1/4	1/2	70 T070
1/2	3/8	1/2	70 T073
1/2	1/2	1/2	70 T076
1/2	3/4	1/2	70 T080
1/2	1"	1/2	70 T140
5/8	1/4	5/8	70 T142
5/8	3/8	5/8	70 T074
5/8	1/2	5/8	70 T077
5/8	3/4	5/8	70 T081
5/8	1"	5/8	70 T084
3/4	3/8	3/4	70 T141
3/4	1/2	3/4	70 T078
3/4	3/4	3/4	70 T082
3/4	1"	3/4	70 T085
1"	1/2	1"	70 T079
1"	3/4	1"	70 T083
1"	1"	1"	70 T086



Tee male SAE - Female NPT- male SAE

Male SAE	Female NPT	Male SAE	Product code
1/4	1/4	1/4	70 T120
3/8	1/8	3/8	70 T117
3/8	1/4	3/8	70 T119



Non-exhaustive list of combinations. Consult us for other configurations

Tee male SAE - male SAE - male SAE

Male SAE	Male SAE	Male SAE	Product code
1/4	1/4	1/4	70 T001
1/4	3/8	1/4	70 T014
1/4	1/2	1/4	70 T015
3/8	1/4	3/8	70 T016
3/8	3/8	3/8	70 T002
3/8	1/2	3/8	70 T017
3/8	5/8	3/8	70 T018
1/2	1/4	1/2	70 T019
1/2	3/8	1/2	70 T020
1/2	1/2	1/2	70 T003
1/2	5/8	1/2	70 T021
1/2	3/4	1/2	70 T022
1/2	1"	1/2	70 T023
5/8	1/4	5/8	70 T024
5/8	3/8	5/8	70 T025
5/8	1/2	5/8	70 T026
5/8	5/8	5/8	70 T004
5/8	3/4	5/8	70 T027
5/8	1"	5/8	70 T028
3/4	3/8	3/4	70 T029
3/4	1/2	3/4	70 T030
3/4	5/8	3/4	70 T031
3/4	3/4	3/4	70 T005
3/4	1"	3/4	70 T032
1"	1/2	1"	70 T033
1"	5/8	1"	70 T034
1"	3/4	1"	70 T035
1"	1"	1"	70 T006

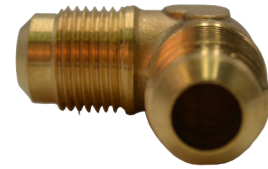


Non-exhaustive list of combinations. Consult us for other configurations



Elbow double male SAE

	Male SAE	Male SAE	Product Code
Nuts	3/16	3/16	70 C007
	1/4	1/4	70 C001
	5/16	5/16	70 C008
Straight fittings	3/8	1/4	70 C014
	3/8	3/8	70 C002
	1/2	1/4	70 C015
	1/2	3/8	70 C016
	1/2	1/2	70 C003
	5/8	1/4	70 C017
	5/8	3/8	70 C018
Bottle charging fittings	5/8	1/2	70 C019
	5/8	5/8	70 C004
	3/4	3/8	70 C020
	3/4	1/2	70 C021
	3/4	5/8	70 C022
	3/4	3/4	70 C005
	1"	1/2	70 C023
Tees	1"	5/8	70 C024
	1"	3/4	70 C025
	1"	1"	70 C006



Male SAE

Male SAE

Elbow Male SAE - Male NPT

Male SAE	Male NPT	Product code
1/4	1/8	70 C042
1/4	1/4	70 C044
1/4	3/8	70 C048
1/4	1/2	70 C053
3/8	1/8	70 C043
3/8	1/4	70 C045
3/8	3/8	70 C049
3/8	1/2	70 C054
1/2	1/4	70 C046
1/2	3/8	70 C050
1/2	1/2	70 C055
1/2	3/4	70 C059
5/8	1/4	70 C047
5/8	3/8	70 C051
5/8	1/2	70 C056
5/8	3/4	70 C060
5/8	1"	70 C063
3/4	3/8	70 C052
3/4	1/2	70 C057
3/4	3/4	70 C061
3/4	1"	70 C064
1"	1/2	70 C058
1"	3/4	70 C062
1"	1"	70 C065



Male SAE

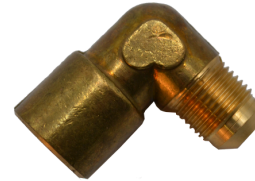
Male NPT



Non-exhaustive list of combinations. Consult us for other configurations

Elbow male SAE - Female NPT

Male SAE	Female NPT	Product code
1/4	1/8	70 C157
1/4	1/4	70 C158
1/4	3/8	70 C173
3/8	1/4	70 C159
3/8	3/8	70 C174
3/8	1/2	70 C178
3/8	3/4	70 C181
1/2	1/4	70 C160
1/2	3/8	70 C175
1/2	1/2	70 C179
1/2	3/4	70 C182
5/8	1/4	70 C189
5/8	3/8	70 C176
5/8	1/2	70 C180
5/8	3/4	70 C183
3/4	3/8	70 C184
3/4	1/2	70 C185
3/4	3/4	70 C186
1"	1/2	70 C187
1"	3/4	70 C188



Elbow male SAE - Female SAE

Male SAE	Female SAE	Product code
1/4	1/4	70 C096
1/4	3/8	70 C097
1/4	1/2	70 C098
1/4	5/8	70 C099
3/8	1/4	70 C100
3/8	3/8	70 C101
3/8	1/2	70 C102
3/8	5/8	70 C103
3/8	3/4	70 C104
1/2	1/4	70 C105
1/2	3/8	70 C106
1/2	1/2	70 C107
1/2	5/8	70 C108
1/2	3/4	70 C109
5/8	1/4	70 C110
5/8	3/8	70 C111
5/8	1/2	70 C112
5/8	5/8	70 C113
5/8	3/4	70 C114
3/4	3/8	70 C115
3/4	1/2	70 C116
3/4	5/8	70 C117
3/4	3/4	70 C118
1"	1/2	70 C119
1"	5/8	70 C120
1"	3/4	70 C121



Nuts

Straight fittings

Bottle charging fittings

Tees

Elbows

Plugs
Gaskets and sealing caps

Cross Valves

Special products

Non-exhaustive list of combinations. Consult us for other configurations



Male plugs

Plugs	Product code	
	Male SAE	Male NPT
1/8	-	70 BM012
3/16	70 BM006	-
1/4	70 BM001	70 BM013
5/16	70 BM007	-
3/8	70 BM002	70 BM014
1/2	70 BM003	70 BM015
5/8	70 BM004	-
3/4	70 BM005	70 BM016
1"	-	70 BM017



Female Plugs

Plugs	Product code	
	Female SAE	Female NPT
1/8	-	70 BF030
1/4	70 BF001	70 BF031
5/16	70 D0874	-
3/8	70 BF002	70 BF032
1/2	70 BF003	70 BF033
5/8	70 BF004	-
3/4	70 BF005	70 BF034

Special plugs

1/4 prise mano	69 BF010	-
hex. 1/4"	70 BF015	-



1/4 prise mano



hex. 1/4"



Sealing cap (Red copper)

SAE	Product code
1/4	70 JOB001
3/8	70 JOB002
1/2	70 JOB003
5/8	70 JOB004
3/4	70 JOB005
1"	70 JOB006



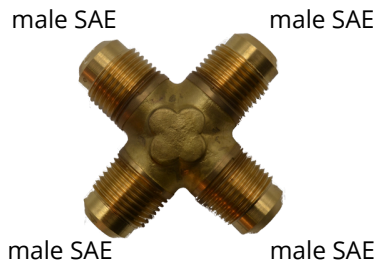
Gasket (Red copper)

SAE	Product code
1/4	70 JIN001
3/8	70 JIN002
1/2	70 JIN003
5/8	70 JIN004
3/4	70 JIN005
1"	70 JIN006



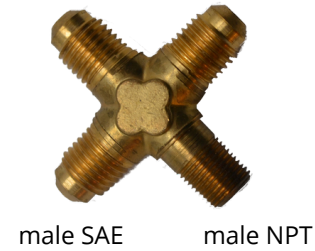
Male SAE cross

SAE	Product code
1/4	70 X001
3/8	70 X002
1/2	70 X003
5/8	70 X004



Nuts
Straight fittings

male SAE male SAE



Male SAE - male NPT cross

Male SAE	Male NPT	Product code
1/4	1/8	70 X010
1/4	1/4	70 X011

Bottle charging fittings

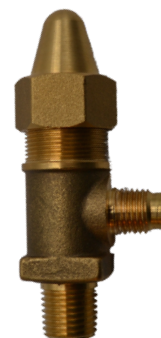
Shut-off valve (Direct passage)

SAE	Product code
1/4	70 V11
3/8	70 V12
1/2	70 V13



Angle valve (Liquid flow)

SAE	NPT	Product code
1/4	1/4	70 V151
1/4	3/8	70 V152
3/8	1/4	70 V153
3/8	3/8	70 V154
1/2	1/4	70 V156
1/2	3/8	70 V157
NPT	SAE	Product code
1/4	1/4	70 V151B



Tees
Elbows
Plugs
Gaskets and sealing caps

Cross Valves

Special products

Non-exhaustive list of combinations. Consult us for other configurations

Tee male SAE - female SAE with swivel nut - male SAE

Male SAE	Female SAE	Male SAE	Product code
1/4	1/4	1/4	73 D1995/1



Elbow male SAE - female SAE with swivel nut

female SAE



male SAE

Male SAE	Female SAE	Product code
1/4	1/4	73 CT001
3/8	1/4	73 CT007
3/8	3/8	73 CT002
1/2	1/4	73 CT008
1/2	3/8	73 CT009
1/2	1/2	73 CT003
5/8	5/8	73 CT004
3/4	3/4	73 CT005
1"	1"	73 CT006

Mallette "Les Essentiels du Frigoriste"

We've put together a case containing the main fittings used by refrigeration engineers.

The case contains 220 pieces in forged brass and copper:

- 1/4, 3/8, 1/2 and 5/8 copper gaskets
- 1/4, 3/8, 1/2 and 5/8 copper sealing caps
- 1/4, 3/8, 1/2 and 5/8 SAE nuts
- SAE female plugs in 1/4, 3/8, 1/2 and 5/8
- SAE male, ODS fittings in 1/4, 3/8 and 1/2
- SAE double male fittings in 1/4, 3/8, 1/2 and 5/8



Non-exhaustive list of combinations. Consult us for other configurations