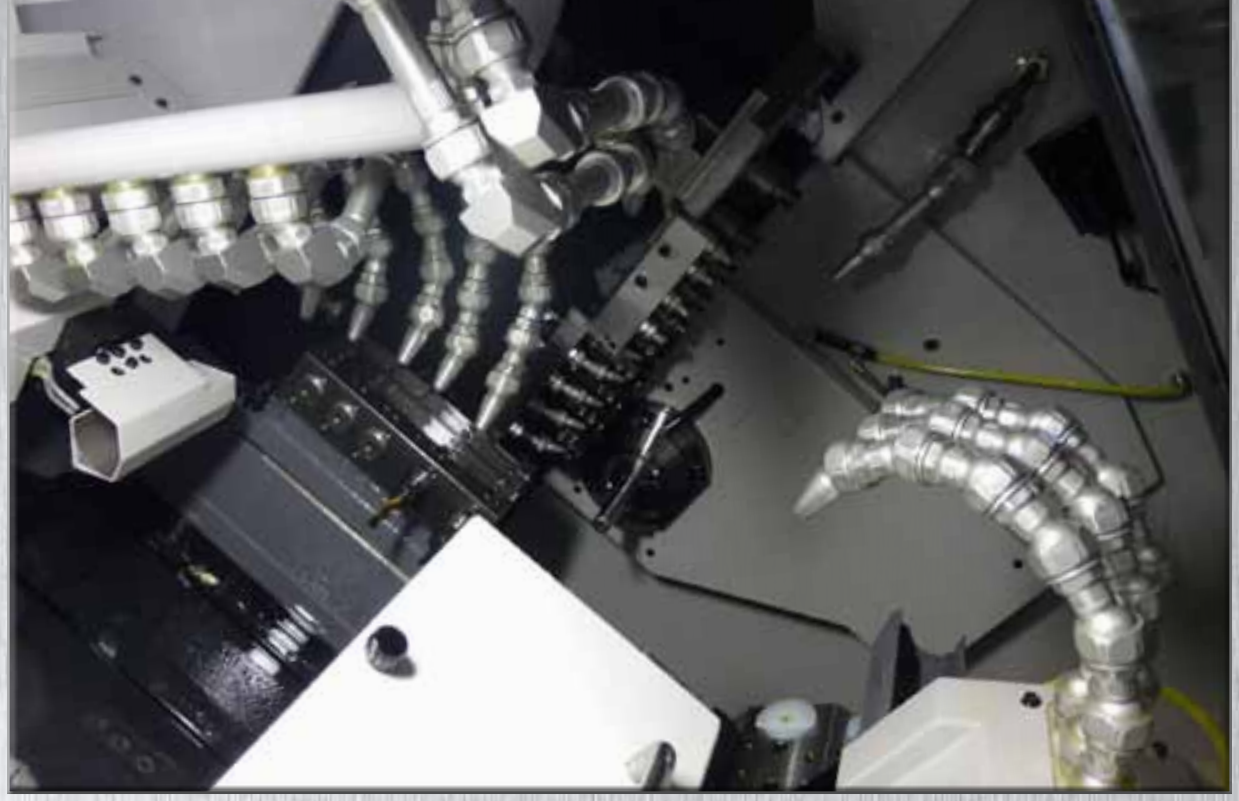


Tuyaux Modulaires Haute Pression

PIRANHA COOLING LINE®

ORIGINAL PRODUCT

HP MAX 80 bar

Tuyau Modulaire en aluminium

Présentation	46
Gamme arrosage **Ø 3.4 mm - 1/8**	47
Gamme arrosage **Ø 5.5 mm - 1/4**	48 - 49
Gamme arrosage **Ø 12 mm - 1/2**	50 - 51
Coffret **Ø 5.5 mm - 1/4**	52

KOPAL

Tuyaux articulés Haute Pression

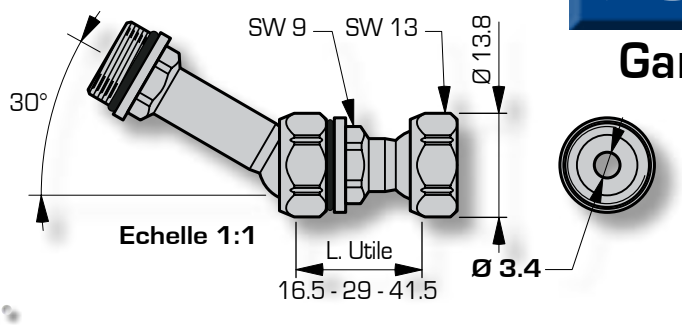
ARROSAGE MODULAIRE HP

HP MAX 80 bar

KOPAL

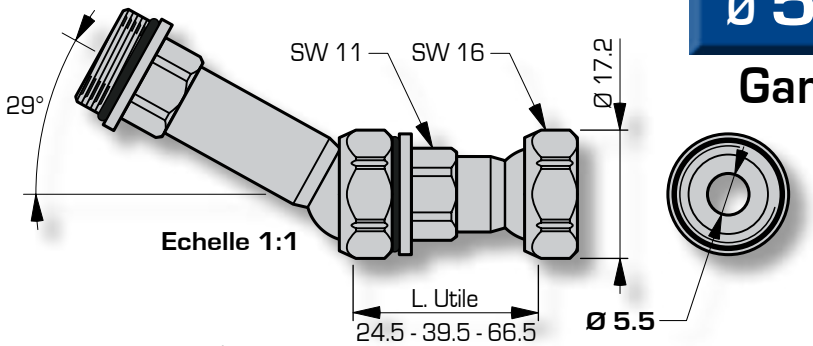
ø 3.4 mm

Gamme 1/8



ø 5.5 mm

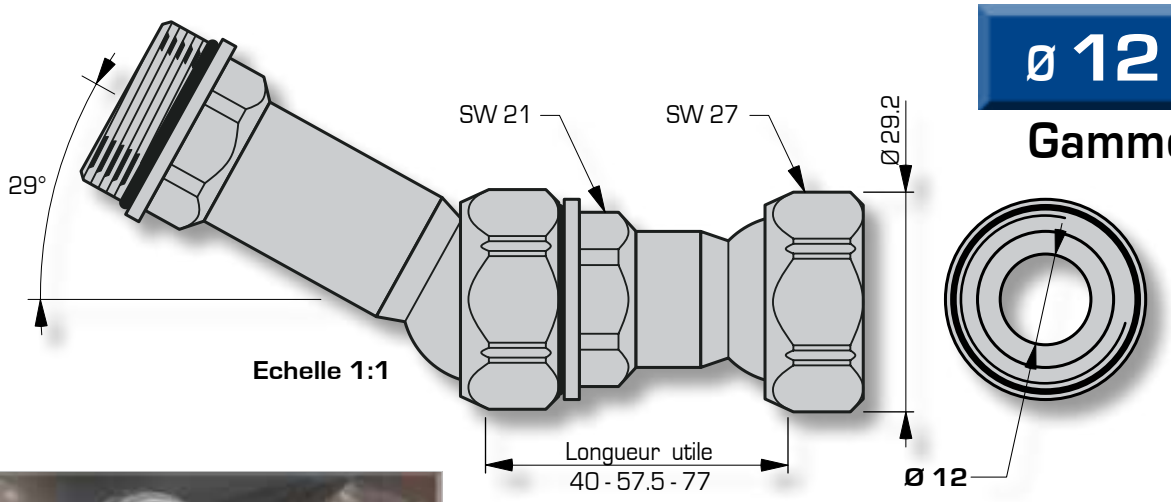
Gamme 1/4



PIRANHA COOLING LINE®

ø 12 mm

Gamme 1/2



Tuyau Modulaire en aluminium
Haute Pression jusqu'à 80 Bar
Très grande rigidité
Arrosage précis

Tuyaux articulés Ø 3.4 Gamme 1/8

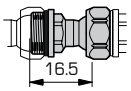
Equipement complet Ø 3.4

Equipement **raccord 1/8"**, long. 69.5 mm **CL1804**

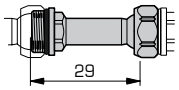
1 raccord NPT
1 segment M
1 segment S
1 buse ronde Ø 3.4 mm
1 écrou

Segments Ø 3.4

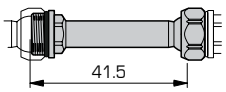
Segment S	Réf.
1 segment	CL1810
3 segments	CL1811



Segment M	
1 segment	CL1814
2 segments	CL1815

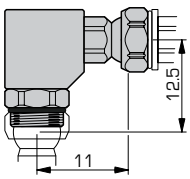


Segment L	
1 segment	CL1818



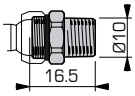
Pièces de liaison Ø 3.4

Coude	Réf.
1 sortie à 90°	CL1842



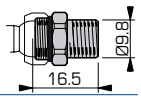
Raccords filetés Ø 3.4

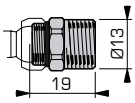
Raccord NPT	Réf.
1 Raccord 1/8	CL1866



Raccord BSPT *Conique*

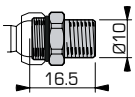
1 Raccord 1/8	CL1862
1 Raccord 1/4	CL1873



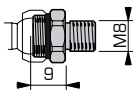


Raccord BSPT *Cylindrique*

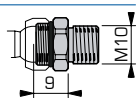
1 Raccord 1/8	CL1864



Raccord métrique	Réf.
1 Raccord M8 x 125	CL1874
1 Raccord M8 x 100	CL1875



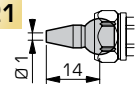
1 Raccord M10 x 100	CL1872



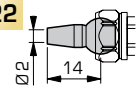
Buses Droites Ø 3.4

Buse ronde	Réf.
1 buse Ø 1 mm	CL1821

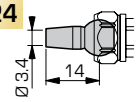
Jet fin et précis



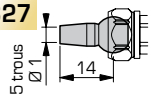
Buse ronde	
1 buse Ø 2 mm	CL1822



Buse ronde	
1 buse Ø 3.4 mm	CL1824



Buse ronde	
1 buse 5 trous Ø 1	CL1827



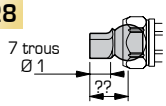
Jet puissant et précis

KOPAL

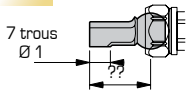
*Toute nouvelle buse doit être fixée avec un **écrou CL1882**, une buse de remplacement peut utiliser l'écrou en place.*

Buses Coudées Ø 3.4

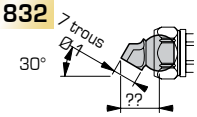
Buse coudée à 90° courte	Réf.
1 buse 7 trous Ø 1 mm	CL1828



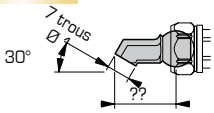
Buse coudée à 90° longue	
1 buse 7 trous Ø 1 mm	CL1830



Buse coudée à 60° courte	
1 buse 7 trous Ø 1 mm	CL1832



Buse coudée à 60° longue	
1 buse 7 trous Ø 1 mm	CL1834



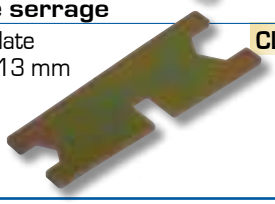
PIRANHA COOLING LINE

Accessoires Ø 3.4

Ecrou	Réf.
1 écrou pour buse	CL1882

Joint	
1 joint torique	CL1884

Clé de serrage	
1 clé plate 9 et 13 mm	CL1890



ARROSAGE MODULAIRE HP

Tuyaux articulés Ø 5,5 Gamme 1/4

Equipements complets Ø 5.5

Equipement **raccord 1/4"**, longueur 98 mm	CL1404
Equipement **raccord 1/8"**, longueur 98 mm	CL1406

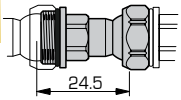
1 raccord NPT
1 segment M
1 segment S
1 buse ronde Ø 5.5 mm
1 écrou

KOPAL

Segments Ø 5.5

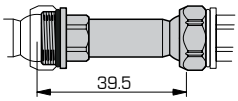
Segment S — Réf.

1 segment — CL1410
3 segments — CL1411



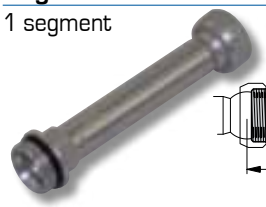
Segment M

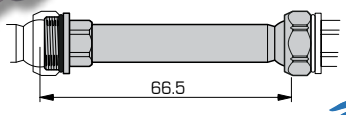
1 segment — CL1414
2 segments — CL1415



Segment L

1 segment — CL1418

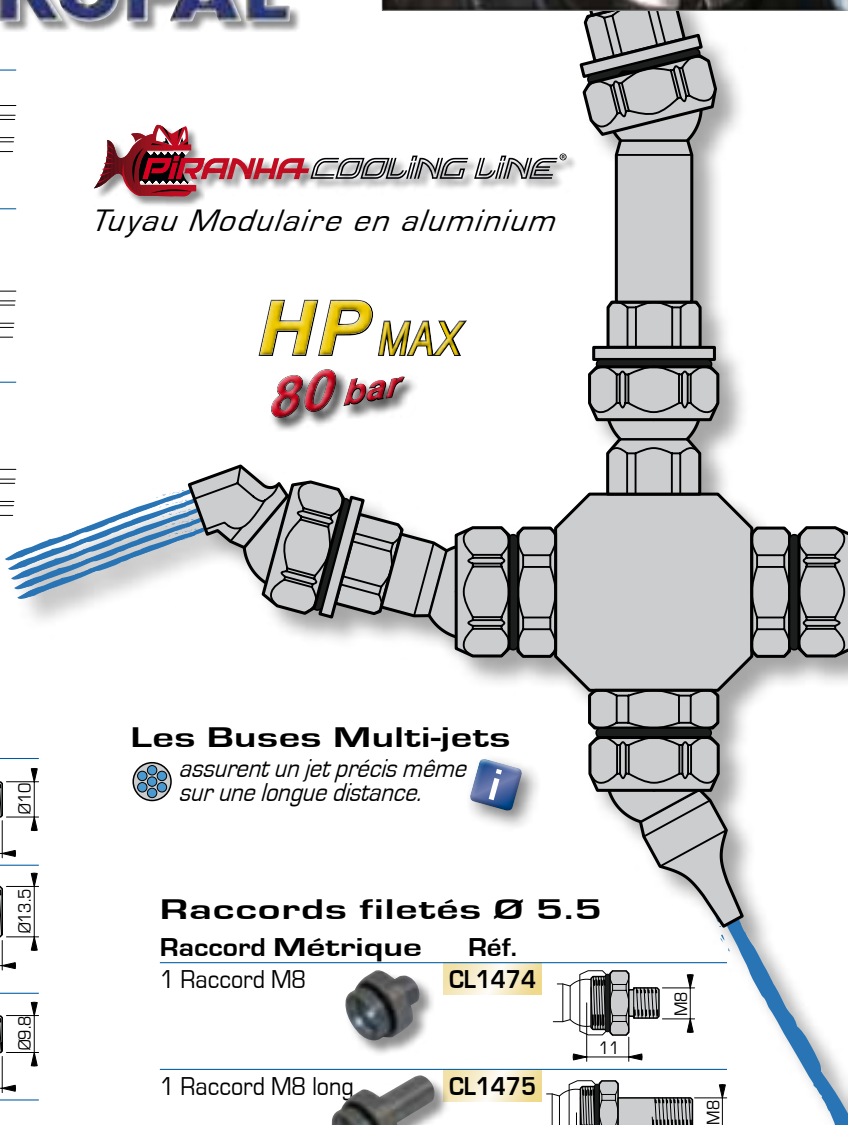




PIRANHA COOLING LINE®

Tuyau Modulaire en aluminium

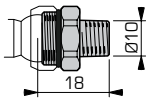
HP MAX 80 bar



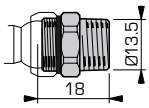
Raccords filetés Ø 5.5

Raccord NPT — Réf.

1 Raccord 1/8 — CL1468

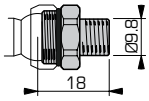


1 Raccord 1/4 — CL1466

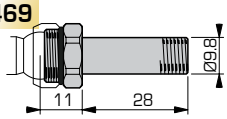


Raccord BSPT *Cylindrique*

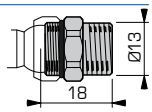
1 Raccord 1/8 — CL1470



1 Raccord 1/8 long — CL1469



1 Raccord 1/4 — CL1464



Raccord	NPT 60° Ø - filets/pouce	BSP T (gaz) 55° Ø - filets/pouce
1/8"	10 mm - 28	10 mm - 28
1/4"	13,5 mm - 18	13,2 mm - 19

Les Buses Multi-jets

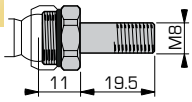
assurent un jet précis même sur une longue distance.

Raccords filetés Ø 5.5

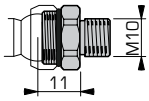
Raccord Métrique — Réf.

1 Raccord M8 — CL1474

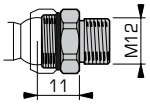
1 Raccord M8 long — CL1475



1 Raccord M10x100 — CL1472
1 Raccord M10 — CL1473

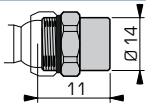


1 Raccord M12x100 — CL1462



1 Raccord Ø 14 — CL1476

DMG MORI

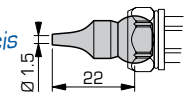


Tuyaux articulés Ø 5,5 Gamme 1/4

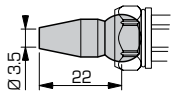
Buses Droites Ø 5.5

Buse ronde	Réf.
1 buse Ø 1.5 mm	CL1421

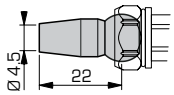
Jet fin et précis



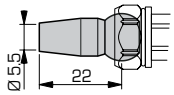
Buse ronde	Réf.
1 buse Ø 3.5 mm	CL1422



Buse ronde	
1 buse Ø 4.5 mm	CL1424

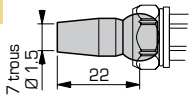


Buse ronde	
1 buse Ø 5.5 mm	CL1426

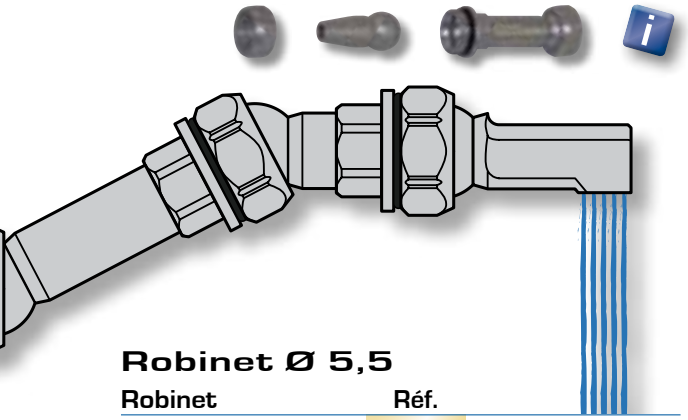


Buse ronde	
1 buse 7 trous Ø 1.5	CL1427

Jet puissant et précis

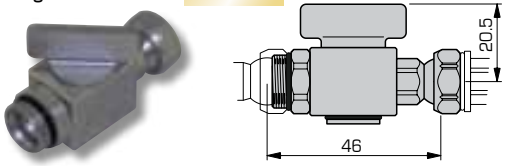


*Toute nouvelle buse doit être fixée avec un **écrou CL1482**, une buse de remplacement peut utiliser l'écrou en place.*



Robinet Ø 5,5

Robinet	Réf.
1 sortie ligne	CL1450



Le robinet peut être placé à n'importe quel endroit sur le réseau.

Accessoires Ø 5.5

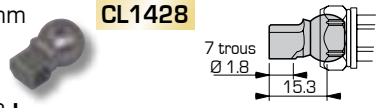
Ecrou	Réf.
1 écrou pour buse	CL1482

Joint	
1 joint torique	CL1484

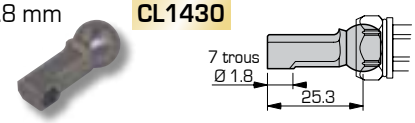
Clé de serrage	
1 clé plate 11 et 16 mm	CL1490

Buses Coudées Ø 5.5

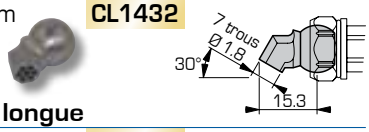
Buse coudée à 90° courte	Réf.
1 buse 7 trous Ø 1.8 mm	CL1428



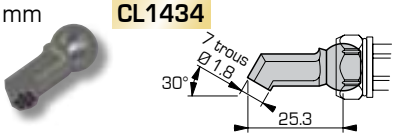
Buse coudée à 90° longue	
1 buse 7 trous Ø 1.8 mm	CL1430



Buse coudée à 60° courte	
1 buse 7 trous Ø 1.8 mm	CL1432

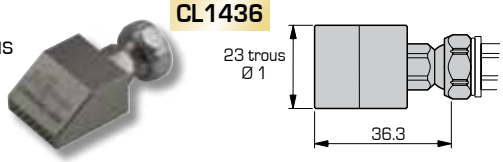


Buse coudée à 60° longue	
1 buse 7 trous Ø 1.8 mm	CL1434



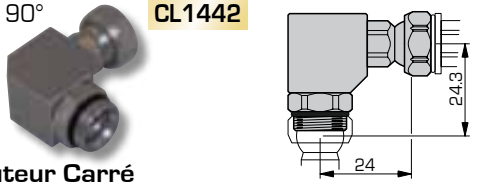
Buses Plate

Buse plate 20 mm	Réf.
1 buse 23 trous Ø1 mm	CL1436

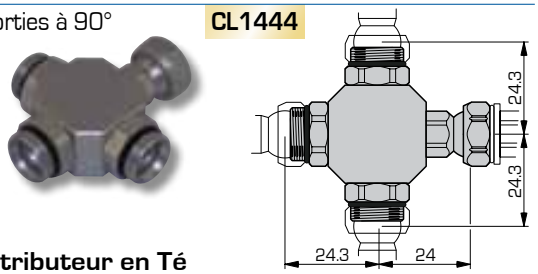


Pièces de liaison Ø 5,5

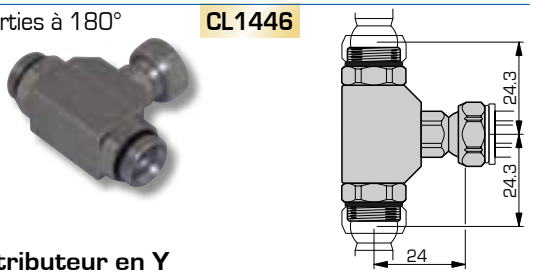
Coude	Réf.
1 sortie à 90°	CL1442



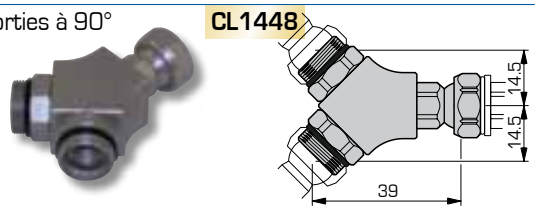
Distributeur Carré	
3 sorties à 90°	CL1444



Distributeur en Té	
2 sorties à 180°	CL1446



Distributeur en Y	
2 sorties à 90°	CL1448

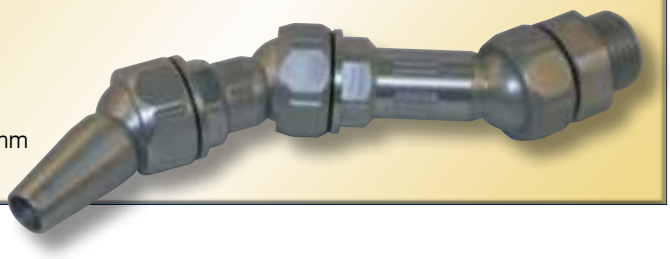


Tuyaux articulés Ø 12 Gamme 1/2

Equipements complets Ø 12

Equipement **raccord 1/2"**, longueur 160 mm	**CL1204**
Equipement **raccord 3/8"**, longueur 160 mm	**CL1206**

1 raccord NPT
1 segment M
1 segment S
1 buse ronde Ø 10 mm
1 écrou



HP MAX 80 bar

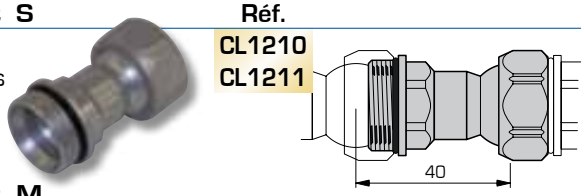
Montage des Buses

*Toute nouvelle buse doit être fixée avec un **écrou CL1282**, une buse de remplacement peut utiliser l'écrou en place.*

Segments Ø 12

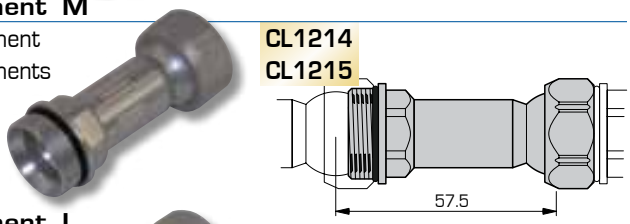
Segment S — Réf.

1 segment — **CL1210**
3 segments — **CL1211**



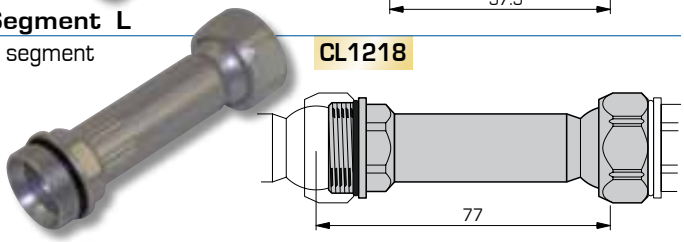
Segment M

1 segment — **CL1214**
2 segments — **CL1215**



Segment L

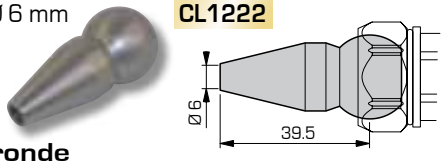
1 segment — **CL1218**



Buses Droites Ø 12

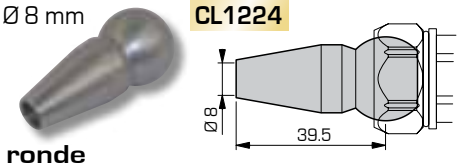
Buse ronde — Réf.

1 buse Ø 6 mm — **CL1222**



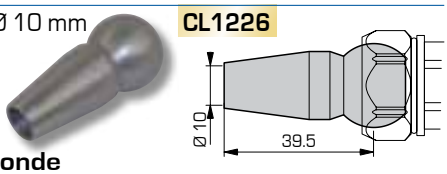
Buse ronde

1 buse Ø 8 mm — **CL1224**



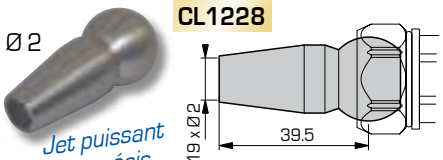
Buse ronde

1 buse Ø 10 mm — **CL1226**



Buse ronde

1 buse
19 trous Ø 2 — **CL1228**



Jet puissant et précis

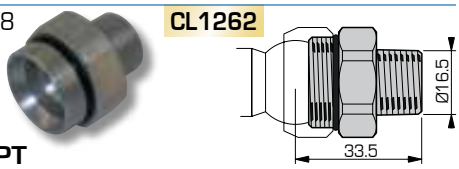
Raccord	NPT 60° Ø - filets/pouce	BSP T (gaz) 55° Ø - filets/pouce
3/8"	17,3 mm - 18	16.5 mm - 19
1/2"	21 mm - 14	21 mm - 14

PIRANHA COOLING LINE®

Raccords filetés Ø 12

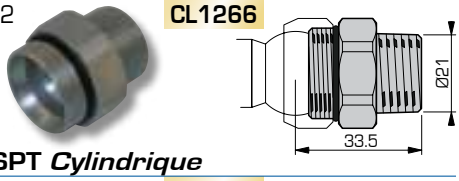
Raccord NPT — Réf.

1 Raccord 3/8 — **CL1262**



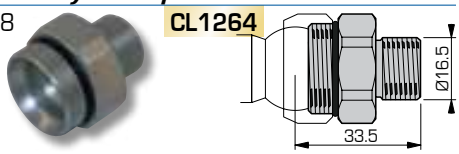
Raccord NPT

1 Raccord 1/2 — **CL1266**



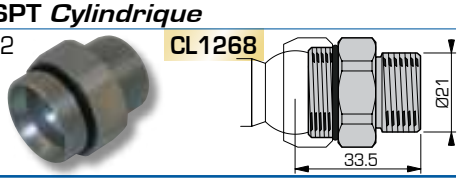
Raccord BSPT *Cylindrique*

1 Raccord 3/8 — **CL1264**



Raccord BSPT *Cylindrique*

1 Raccord 1/2 — **CL1268**

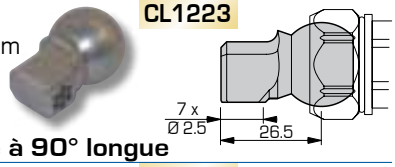


Buses Coudées Ø 12

Buse coudée à 90° courte

1 buse
7 trous Ø 2.5 mm

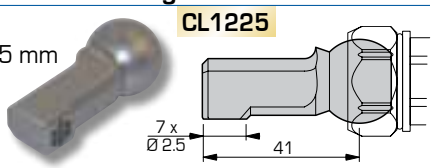
CL1223



Buse coudée à 90° longue

1 buse
7 trous Ø 2.5 mm

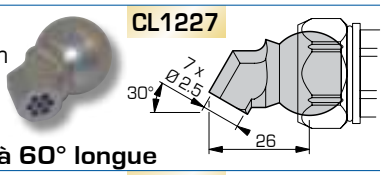
CL1225



Buse coudée à 60° courte

1 buse
7 trous Ø 2.5 mm

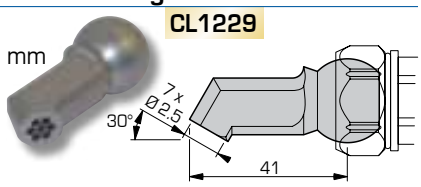
CL1227



Buse coudée à 60° longue

1 buse
7 trous Ø 2.5 mm

CL1229



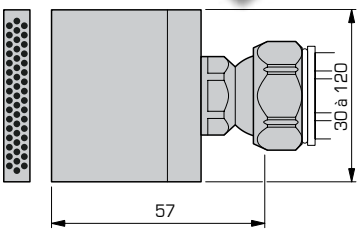
Les Buses Multi-jets

assurent un jet précis même sur une longue distance.

Buses Plates

Avec un écrou CL1282.

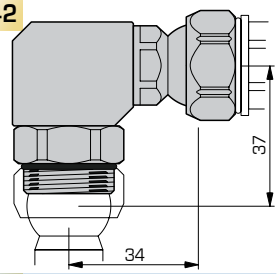
1 Buse plate	Réf.
largeur 30	CL1230
largeur 40	CL1231
largeur 50	CL1232
largeur 60	CL1233
largeur 80	CL1234
largeur 100	CL1236
largeur 120	CL1238



Pièces de liaison Ø 12

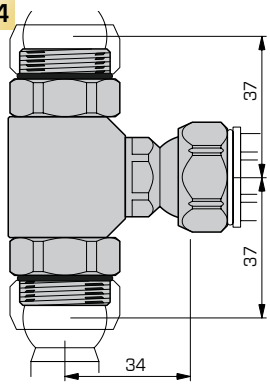
Coude

1 sortie à 90° — **CL1242** (Réf.)



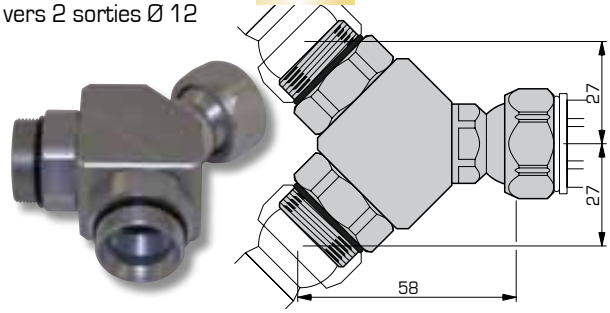
Distributeur en Té

2 sorties à 180° — **CL1244**



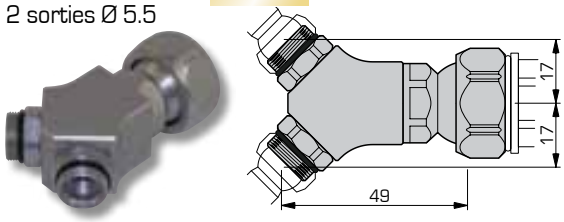
Distributeur en Y à 90°

1 entrée Ø 12
vers 2 sorties Ø 12 — **CL1248**



Réducteur en Y à 90°

1 entrée Ø 12
vers 2 sorties Ø 5.5 — **CL1246**



KOPAL

Accessoires Ø 12

Ecrou	Réf.
1 écrou pour buse	CL1282

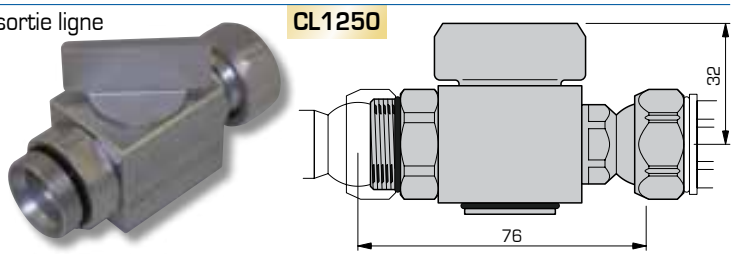
Joint	Réf.
1 joint torique	CL1284

Clé de serrage	Réf.
1 clé plate 21 et 27 mm	CL1290

Robinet Ø 12

Robinet

1 sortie ligne — **CL1250**



Coffrets Ø 3,4 - Ø 5,5 - Ø 12

HP MAX 80 bar

KOPAL

Kit Complet Réf. Ø 3,4 - 1/8" CL1802

Raccords	
1 x NPT 1/8	CL1866
1 x BSPT 1/8	CL1862
1 x M8	CL1874
1 x M8x1	CL1875
1 x M10	CL1872

Segments	
3 x 16.5 mm	CL1810
3 x 29 mm	CL1814
3 x 41.5 mm	CL1818

Buses Droites	
1 x Ø 1 mm	CL1821
1 x Ø 2 mm	CL1822
1 x Ø 3.4 mm	CL1824
1 x Ø 1 mm x 5	CL1827

Buses Coudées 7 trous	
2 x 90° courte	CL1828
2 x 90° longue	CL1830
2 x 60° courte	CL1832
2 x 60° longue	CL1834

Pièces de liaison	
1 coude à 90°	CL1842

Accessoires	
5 écrous	CL1882
2 clés plates	CL1890

Kit Complet Réf. Ø 5,5 - 1/4" CL1402

Raccords	
1 x NPT 1/4	CL1466
1 x BSPT 1/4	CL1464
1 x NPT 1/8	CL1468
1 x M10	CL1472
1 x M12	CL1462

Segments	
3 x 28 mm	CL1410
3 x 43 mm	CL1414
3 x 70 mm	CL1418

Buses Droites	
1 x Ø 3.5 mm	CL1422
1 x Ø 4.5 mm	CL1424
1 x Ø 5.5 mm	CL1426

Buses Coudées 7 trous	
1 x 90° courte	CL1428
1 x 90° longue	CL1430
1 x 60° courte	CL1432
1 x 60° longue	CL1434

Pièces de liaison	
1 coude à 90°	CL1442
1 Distributeur Y	CL1448

Accessoires	
5 écrous	CL1482
2 clés plates	CL1490

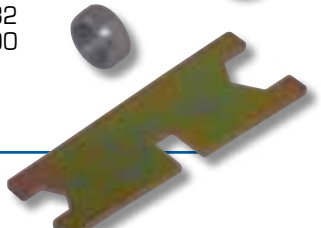
Kit Complet Réf. Ø 12 - 1/2" CL1202

Raccords	
1 x NPT 1/2	CL1266
1 x BSPT 1/2	CL1268
1 x NPT 3/8	CL1262
1 x BSPT 3/8	CL1264

Segments	
8 x 40 mm	CL1210
4 x 57.5 mm	CL1214
3 x 77 mm	CL1218

Buses Droites	
1 x Ø 6 mm	CL1222
1 x Ø 8 mm	CL1224
1 x Ø 10 mm	CL1226
1 x Ø 2 mm x 19	CL1228

Buses Coudées 7 trous	
1 x 90° courte	CL1223
1 x 90° longue	CL1225
1 x 60° courte	CL1227
1 x 60° longue	CL1229

Pièces de liaison	
1 coude à 90°	CL1242

Accessoires	
5 écrous	CL1282
2 clés plates	CL1290