





























---

QUICK EASY RELIABLE





























# **ANNEX B**

**QUICK LINE SYSTEM TECHNICAL DATA SHEETS**

**QUICK LINE SYSTEM TECHNICAL SCHEDULE**

Code	Description	D. 16	D. 20	D. 25	D. 32	D. 40	D. 50	D. 63	D. 80	D. 110	D. 168	Page
QLTUAL	Blue Aluminium pipe 											3
QLTUALGY	Grey Aluminium pipe 											3
QLTUALG	Green Aluminium pipe 											3
QLSCI	Double bend (aluminium), Blue 											3
QLMAAL	Coupling 											4
QLMASAL	Sliding coupling 											4
QLGO90AL	90° Elbow 											4
QLGO45AL	45° Elbow 											5
QLGO90MAL	90° Elbow, male threaded 		1/2"	3/4"								5
QLGO45FAL	45° Elbow, female threaded 		1/2"	1/2" 3/4"								5
QLCAAL	End cap 											6
QLTEAL	90° Tee 											6
QLTPAL	Threaded Tee, female thread 		1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"			6
QLMNMAL	Nipple socket - male threaded 		1/2" 3/4"	3/4" 1"	1.1/4"	1.1/2"	2"	2" 2.1/2"	2.1/2" 3"			7
QLMPMAL	Nipple socket - female threaded 		1/2" 3/4"	3/4" 1"	1.1/4"	1.1/2"	2"	2.1/2"				7
QLMAAL	Coupling diam. 110 mm 											8
QLGO90AL	90° Elbow diam. 110 mm 											8
QLTEAL	90° Tee diam. 110 mm 											8
QLTPAL	90° threaded Tee diam. 110 mm 									3"		8
QLMFLAL	Flanged coupling 							2"	3"			9
QLMFLAL	Flanged coupling diam. 110 mm 									4"		9
QLTFLAL	Flanged Tip 								3"	4"		9
QLRIDTU	Reduction pipe, male/male connection 									63 80		9
QLMARI	Straight Union Coupling 168,3 mm , Rigid 											10
QLMAFL	Straight Union Coupling 168,3 mm , Flexible 											10
QLFLA	Flanged adapter 168,3 x 4" DIN flange 											10
QLGO90AL	90° Elbow 168,3 mm Aluminum grooved ends 											11
QLGO45AL	45° Elbow 168,3 mm Aluminum grooved ends 											11

**QUICK LINE SYSTEM TECHNICAL SCHEDULE**

Code	Description	D. 16	D. 20	D. 25	D. 32	D. 40	D. 50	D. 63	D. 80	D. 110	D. 168	Page
QLTEAL	Equal Tee 168,3 mm Aluminum grooved ends 											11
QLRIDAL	Reduction 168,3 mm groove 											12
QLDER	Quick branch plug 168,3 female thread 											12
QLCAAL	End cap 168,3 mm Aluminium grooved end 											12
DIRAPMAL	Single port manifold, female threads 											13
DIRAPFRLAL	Three port manifold 											13
DIRAPLAL	Four port manifold 											13
DIRPMUAL120	Five port manifold 											13
DIRPMUAL200	Seven port manifold 											14
APLALL	Double port manifold, female threads 											14
APLALLMUL	Five port manifold, female threads 											14
QLVAINOX	Quick Line steel ball valve 											15
QLVAINOXF	Quick Line steel ball valve, f 			1"	1.1/2"	1.1/2"	2"	2"	3"			15
QLVAMAL	QL male threaded connection ball valve 		1/2"	3/4"								15
QLVALFAR110	Butterfly valve 110 mm 											16
QLVALFAR168	Butterfly valve 168 mm 											16
QLVAFAL	QL female threaded connection ball valve 		1/2"	3/4"								16
DIRDIL	Expansion joint, flangede 											17
QLDERAL	Quick branch plug with aluminium nut 			20	20	20 25	20 25	20 25 32	20 25 32	20 25 32		18
DIRDERFF	Quick branch plug, f thread outlet 			1/2"	1/2"	1/2" 3/4"	1/2" 3/4"	1/2" 3/4" 1"	1/2" 3/4" 1"	3/4" 1"		18
QLPUNM	Quick Line Spigot (aluminium) 	3/8"	1/2" 3/4"	1"	1.1/4"	1.1/2"	2"	2"	3"			19
DIRFLFF	Threaded flange 											19
QLFLEX	Compensator hose, male connection 											20
DIRSM	Deburrer and Reamers 											20
DIRFEM8CF	Bracket M8 thread insert pieces 											21
DIRSPE	Spacers 											21
QLCLEAL	Quick Line nut wrench Aluminium 											22
QLMISAL	Pipe-Fittings insertion meter d. 20 - 110 											22

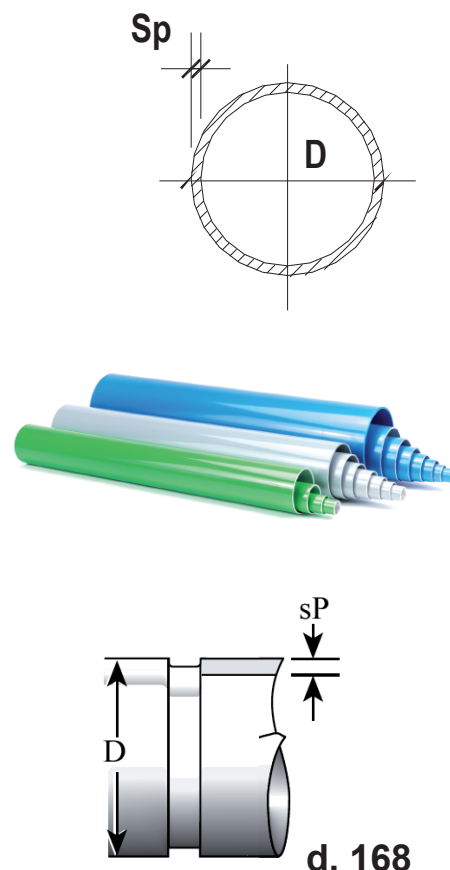
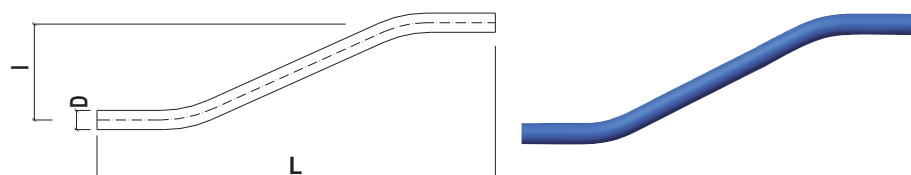
## Aluminium Pipes diam 16 ÷ 110 mm

<b>QLTUAL</b>		<b>Blue Aluminium pipe</b>		
Code	Gr/m	D	bar length	sp
QLTUAL4016	180	16	4	1
QLTUAL4020	201	20	4	1,3
QLTUAL6020	201	20	6	1,3
QLTUAL4025	273	25	4	1,4
QLTUAL6025	273	25	6	1,4
QLTUAL4032	402	32	4	1,5
QLTUAL6032	402	32	6	1,5
QLTUAL4040	586	40	4	1,8
QLTUAL6040	586	40	6	1,8
QLTUAL4050	819	50	4	2
QLTUAL6050	819	50	6	2
QLTUAL4063	1039	63	4	2
QLTUAL6063	1039	63	6	2
QLTUAL6080	1582	80	6	2,4
QLTUAL6110	2367	110	6	2,6
QLTUAL6168	5000	163	6	2,7

<b>QLTUALGY</b>		<b>Grey aluminium pipe</b>		
Code	Gr/m	D	bar length	sp
QLTUALGY6020	201	20	6	1,3
QLTUALGY6025	273	25	6	1,4
QLTUALGY6032	402	32	6	1,5
QLTUALGY6040	586	40	6	1,8
QLTUALGY6050	819	50	6	2
QLTUALGY6063	1039	63	6	2
QLTUALGY6080	1582	80	6	2,4

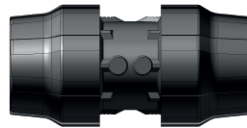
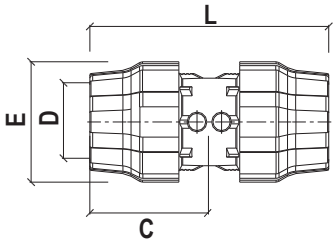
<b>QLTUALG</b>		<b>Green Aluminium pipe</b>		
Code	Gr/m	D	bar length	sp
QLTUALG6020	201	20	6	1,5
QLTUALG6025	273	25	6	1,5
QLTUALG6040	586	40	6	2
QLTUALG6063	1039	63	6	2

<b>QLSCI</b>		<b>Double Bend (Aluminium), Blue</b>		
Code	Gr	D	L	I
QLSCI016	70	16	400	120
QLSCI020	100	20	430	150
QLSCI025	130	25	460	180

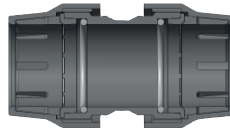
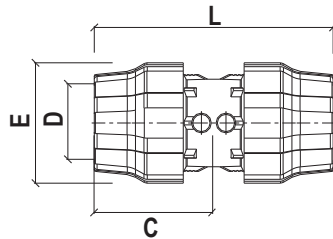


## Quick Line Fittings diam 20 ÷ 80 mm

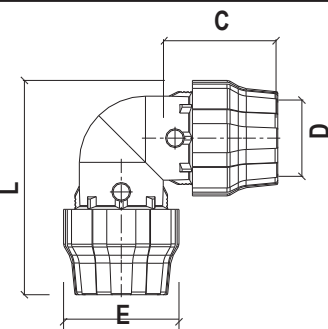
<b>QLMAAL</b>		<b>Coupling</b>			
Code	Gr.	D	L	E	C
QLMAAL020	64	20	77	38	37
QLMAAL025	100	25	95	45	45
QLMAAL032	233	32	120	56	56
QLMAAL040	283	40	156	62	77
QLMAAL050	590	50	165	81	75
QLMAAL063	966	63	193	97	95
QLMAAL080	1492	80	232	116	114



<b>QLMASAL</b>		<b>Sliding Coupling</b>			
Code	Gr.	D	L	E	C
QLMASAL032	230	32	120	56	56
QLMASAL040	280	40	156	62	77
QLMASAL050	586	50	165	81	75
QLMASAL063	962	63	193	97	95
QLMASAL080	1489	80	232	116	114



<b>QLGO90AL</b>		<b>90° Elbow</b>			
Code	Gr.	D	L	E	C
QLGO90AL020	78	20	72	38	37
QLGO90AL025	134	25	98	45	45
QLGO90AL032	275	32	120	56	56
QLGO90AL040	326	40	130	62	77
QLGO90AL050	748	50	145	81	75
QLGO90AL063	1033	63	180	97	95
QLGO90AL080	1770	80	217	116	114



**A  
L  
U  
M  
I  
N  
I  
U  
M**



See video  
20 ÷ 80 mm

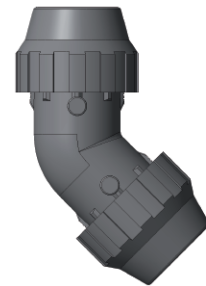
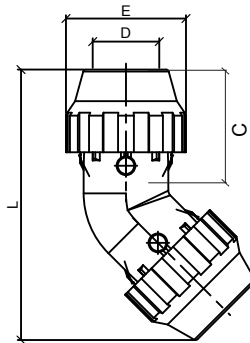
### Legend

α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

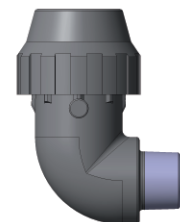
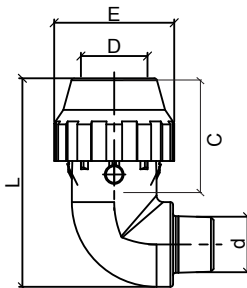
**QUICK LINE SYSTEM TECHNICAL SCHEDULE**

## Quick Line Fittings diam 20 ÷ 80 mm

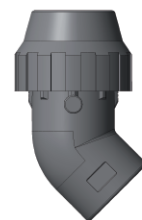
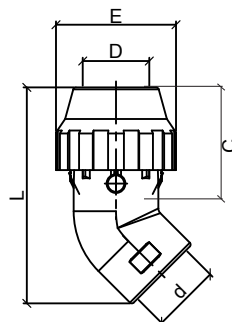
<b>QLGO45AL</b>		<b>45° Elbow</b>				
Code	Gr.	D	L	E	C	
QLGO45AL020	73	20	82	38	37	
QLGO45AL025	123	25	101	45	45	
QLGO45AL032	252	32	130	56	56	
QLGO45AL040	303	40	160	62	77	



<b>QLGO90MAL</b>		<b>90° Elbows, male thread</b>				
Code	Gr.	D	d	L	E	C
QLMASAL020048	50	20	1/2"	65	38	37
QLMASAL025048	80	25	1/2"	80	45	45
QLMASAL025068	80	25	3/4"	80	45	45



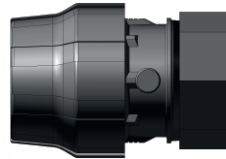
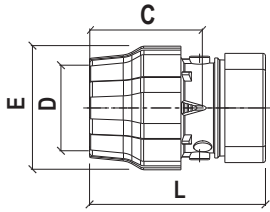
<b>QLGO45FAL</b>		<b>45° Elbows, female thread</b>				
Code	Gr.	D	d	L	E	C
QLGO45FAL020048	54	20	1/2"	65	38	37
QLGO45FAL025048	94	25	1/2"	80	45	45
QLGO45FAL025068	94	25	3/4"	80	45	45



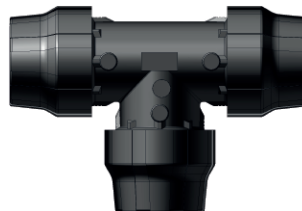
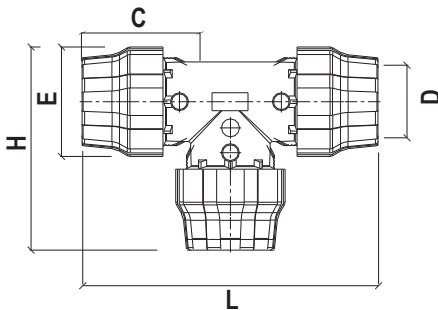
# Quick Line Fittings diam 20 ÷ 80 mm

ALUMINIUM

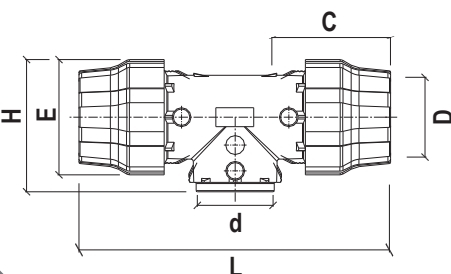
QLCAAL	End Cap				
Code	Gr.	D	L	E	C
QLCAAL020	122	20	38	38	37
QLCAAL025	142	25	45	45	45
QLCAAL032	320	32	56	56	56
QLCAAL040	425	40	94	62	77
QLCAAL050	977	50	106	81	75
QLCAAL063	1168	63	139	97	95
QLCAAL080	1609	80	163	116	114



QLTEAL	90° Tee					
Code	Gr.	D	L	E	H	C
QLTEAL020	115	20	100	38	72	37
QLTEAL025	195	25	125	45	98	45
QLTEAL032	400	32	130	56	120	56
QLTEAL040	499	40	132	62	132	77
QLTEAL050	1075	50	150	84	145	75
QLTEAL063	1453	63	263	97	181	95
QLTEAL080	2534	80	318	116	217	114



QLTPAL	Threaded Tee, female thread						
Code	Gr.	D	d	L	E	H	C
QLTPAL020048	89	20	1/2"	100	38	46	37
QLTPAL025068	160	25	3/4"	125	45	52	45
QLTPAL032088	330	32	1"	130	56	65	56
QLTPAL040108	366	40	1.1/4"	132	62	70	77
QLTPAL063168	863	50	1.1/2"	150	81	100	75
QLTPAL063168	1126	63	2"	263	97	112	95
QLTPAL080208	2120	80	2.1/2"	318	116	136	114

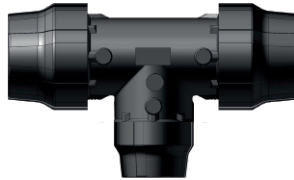
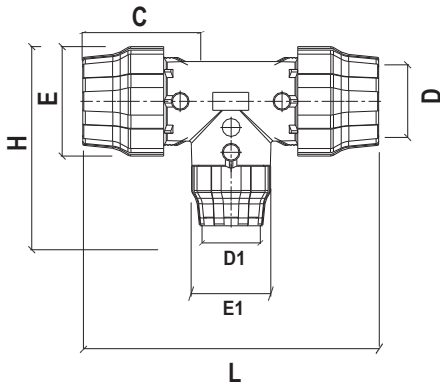


See video  
20 ÷ 80 mm

### Legend

α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

QLTRAL	Reducing tee aluminium								
Codice	Gr.	D	D1	L	E	E1	H	C	C1
QLTRAL025020	183	25	20	127	45,5	38,5	80	46	37
QLTRAL032020	335	32	20	158	56	38,5	87	57	37
QLTRAL040020	496	40	20	201	67,5	38,5	98	77	36
QLTRAL040025	516	40	25	201	67,5	45,5	106,5	77	46



**A  
L  
U  
M  
I  
N  
I  
U  
M**



See video  
20 ÷ 80 mm

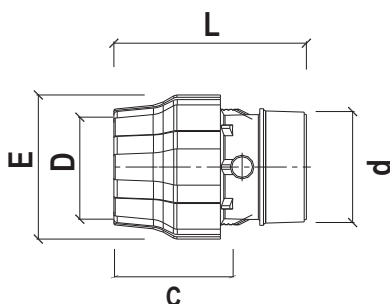
**Legend**

α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

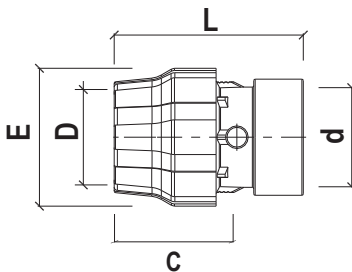


## Quick Line Fittings diam 20 ÷ 80 mm

<b>QLMNMAL</b>	<b>Nipple Socket - Aluminium body - male threaded</b>					
Code	Gr.	D	d	L	E	C
QLMNMAL020048	43	20	1/2"	53	38	37
QLMNMAL020068	45	20	3/4"	53	38	37
QLMNMAL025068	63	25	3/4"	58	45	45
QLMNMAL025088	68	25	1"	58	45	45
QLMNMAL032108	150	32	1.1/4"	81	56	56
QLMNMAL040128	322	40	1.1/2"	94	62	77
QLMNMAL050168	457	50	2"	106	81	75
QLMNMAL063168	518	63	2"	130	97	95
QLMNMAL063208	545	63	2.1/2"	130	97	95
QLMNMAL080208	907	80	2.1/2"	152	116	114
QLMNMAL080248	1027	80	3"	155	116	114



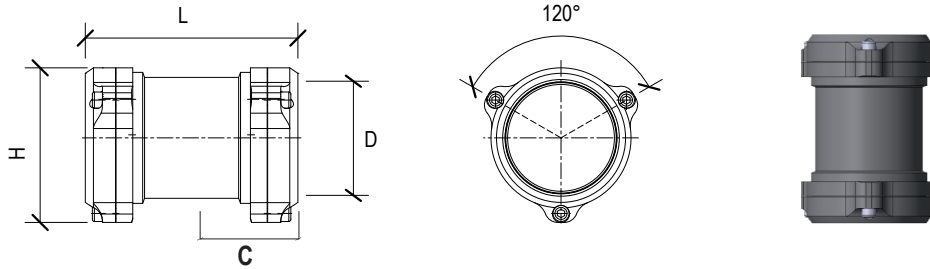
<b>QLMPMAL</b>	<b>Nipple Socket - Aluminium body - female threaded</b>					
Code	Gr.	D	d	L	E	C
QLMPMAL020048	44	20	1/2"	55	38	37
QLMPMAL020068	45	20	3/4"	55	38	37
QLMPMAL025068	68	25	3/4"	60	45	45
QLMPMAL025088	70	25	1"	60	45	45
QLMPMAL032108	157	32	1.1/4"	81	56	56
QLMPMAL040128	335	40	1.1/2"	94	62	77
QLMPMAL050168	468	50	2"	106	81	75
QLMPMAL063208	582	63	2.1/2"	134	97	95



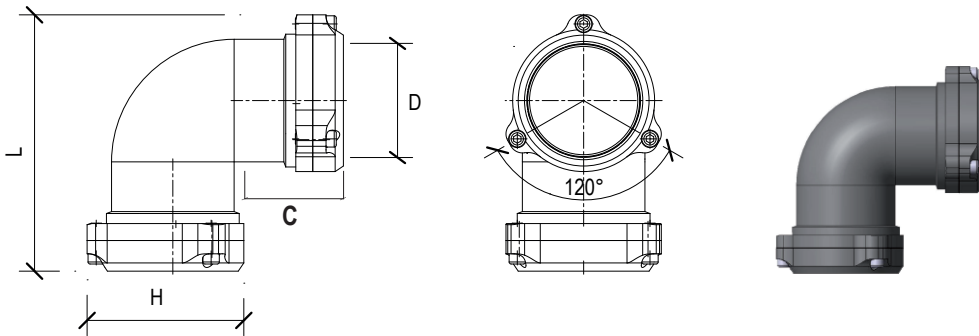
## Quick Line Fittings diam 110 mm

ALUMINIUM

<b>QLMAAL</b>		Coupling diam 110 mm			
Code	Gr.	D	L	H	C
QLMAAL110	1762	110	211	153	102

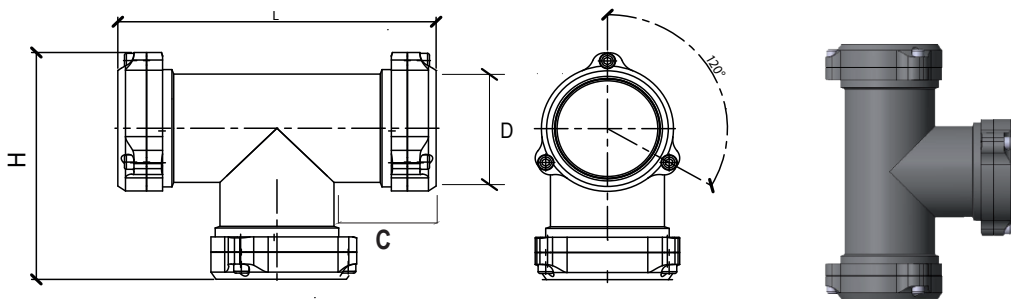


<b>QLGO90AL</b>		90° Elbow diam 110 mm			
Code	Gr.	D	L	H	C
QLGO90AL110	2190	110	251	162	102

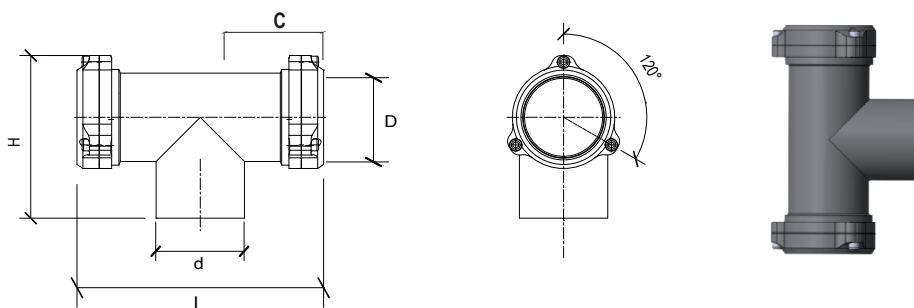


See video  
110 mm

<b>QLTEAL</b>		90° Tee diam 110 mm			
Code	Gr.	D	L	H	C
QLTEAL110	4080	110	335	227	102



<b>QLTPAL</b>		90° threaded Tee diam 110 mm				
Code	Gr.	D	d	L	H	C
QLTPAL110248	3400	110	3"	335	221	102



### Legend

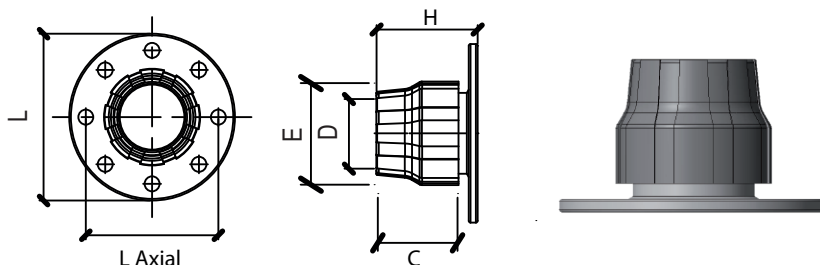
α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

QUICK LINE SYSTEM TECHNICAL SCHEDULE

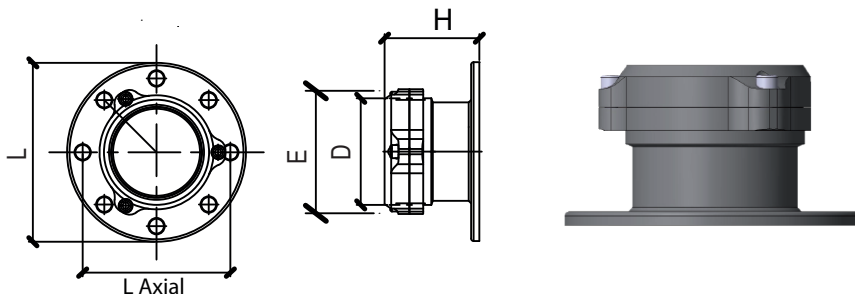
## Quick Line Fittings diam 63 ÷ 110 mm

\* Flange DN 50 threaded G 2"  
 \*\* Flange DN 80 threaded G 3"  
 \*\*\* Flange DN 100 threaded G 4"

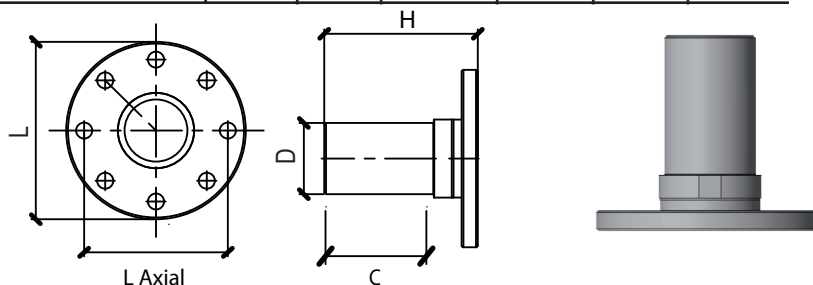
QLMFLAL	Flanged Coupling						
Code	Gr.	D	E	L	H	L Axial	C
QLMFLAL063168 *	1269	63	97	165	125	125	95
QLMFLAL080248 **	1783	80	116	200	135	160	114



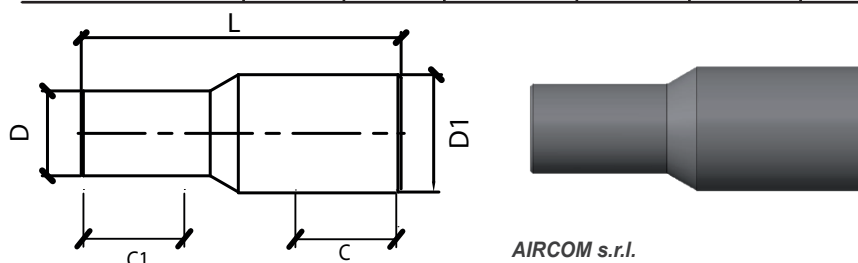
QLMFLAL	Flanged Coupling						
Code	Gr.	D	E	L	H	L Axial	C
QLMFLAL110328	2400	110	153	220	123	180	106



QLTFLAL	Flanged Tip					
Code	Gr.	D	L	H	L Axial	C
QLTFLAL80208 **	1823	80	227	172	160	114
QLTFLAL110248 ***	2610	110	227	180	180	106

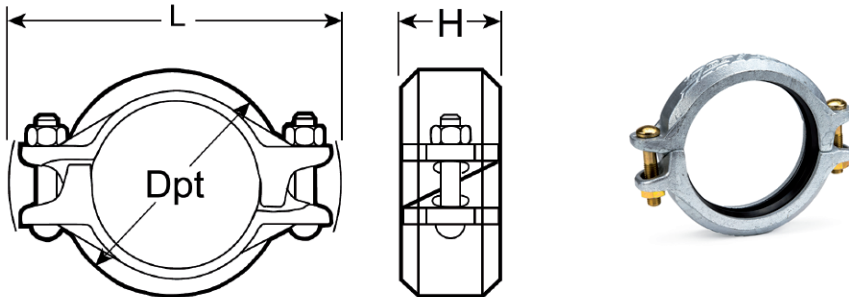


QLRIDTU	Reduction pipe, male/male connection					
Code	Gr.	D	D1	L	C	C1
QLRIDTU11063	1633	110	63	302	110	63
QLRIDTU11080	1680	110	80	302	110	80

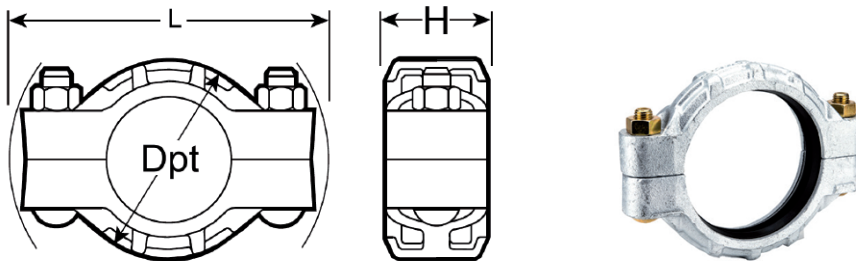


## Quick Line Fittings diam 168 mm - 6"

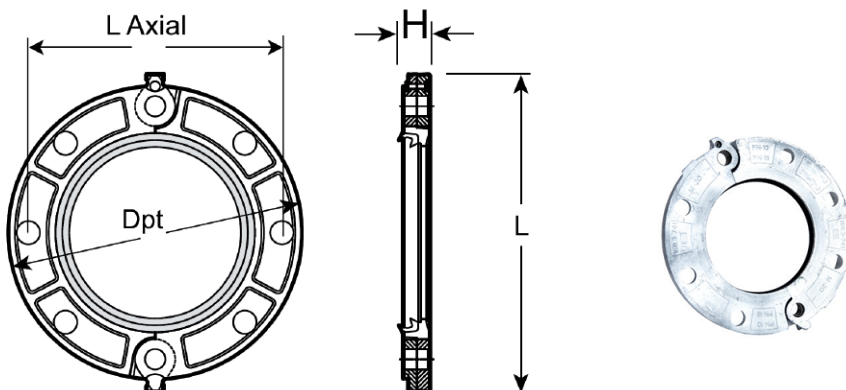
<b>QLMARI</b>		Straight Coupling 168,3 mm , Rigid				
Code	Gr.	D	L	H	Dpt	
QLMARI168	3080	168,3	275	53	210	



<b>QLMAFL</b>		Straight Coupling 168,3 mm , Flexible				
Code	Gr.	D	L	H	Dpt	
QLMAFL168	3080	168,3	302	54	219	



<b>QLFLA</b>		Flanged adapter					
Code	Gr.	D	L	H	L Axial	Dpt	
QLFLA168480D	4500	168,3	302	25	240	285	



**A  
M  
-  
N  
-  
M  
C**

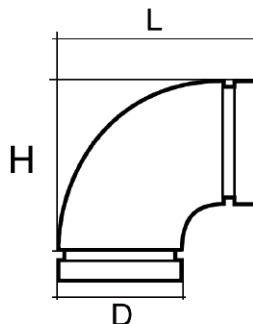
### Legend

α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

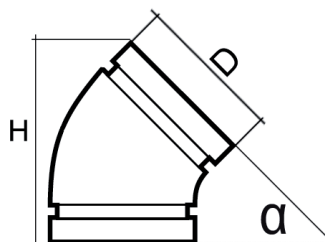
**QUICK LINE SYSTEM TECHNICAL SCHEDULE**

## Quick Line Fittings diam 168 mm - 6"

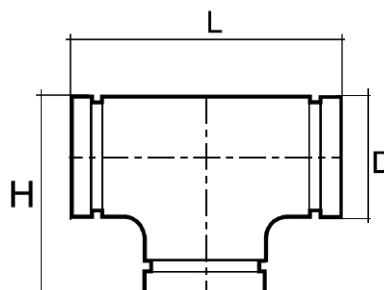
<b>QLGO90AL</b>		<b>90° Elbow 168,3 mm Aluminum grooved ends</b>				
Code	Gr.	D	L	H	C	
QLGO90AL168	6500	168,3	250	250	25	



<b>QLGO45AL</b>		<b>45° Elbow 168,3 mm Aluminum grooved ends</b>				
Code	Gr.	D	H	$\alpha$	C	
QLGO45AL168	5200	168,3	178	45°	25	

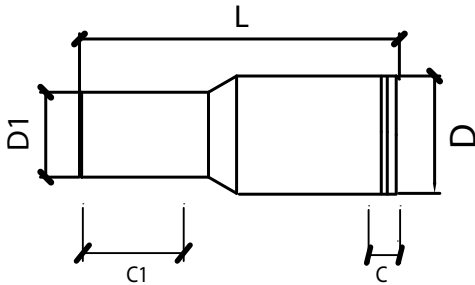


<b>QLTEAL</b>		<b>Equal Tee 168,3 mm Aluminum grooved ends</b>				
Code	Gr.	D	L	H	C	
QLTEAL168	9100	168,3	178	45°	25	



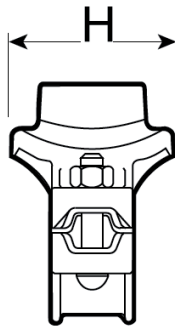
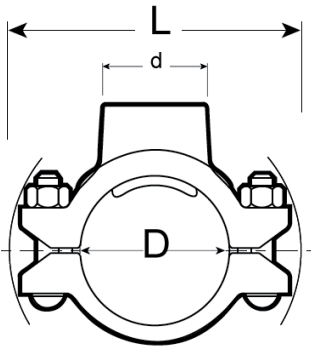
## Quick Line Fittings diam 168 mm - 6"

QLRIDAL	Reduction 168,3 mm grooved male/male connection					
Code	Gr.	D	D1	L	C	C1
QLRIDAL168063	2600	168,3	63	340,16	25	95
QLRIDAL168080	2800	168,3	80	344,59	25	114
QLRIDAL168110	3000	168,3	110	308,92	25	106

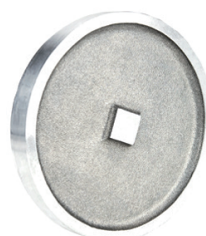
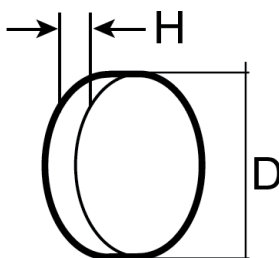


**ALUMINIUM**

QLDER	Quick branch plug female thread				
Code	Gr.	D	d	L	H
QLDER168108	2300	168,3	1.1/4"	232	83
QLDER168128	3400	168,3	1.1/2"	232	83
QLDER168168	3800	168,3	2"	267	99
QLDER168208	4000	168,3	2.1/2"	267	118
QLDER168248	4600	168,3	3"	267	135



QLCAAL	End cap 168,3 mm Aluminium grooved end			
Code	Gr.	D	L	H
QLCAAL168	3000	168,3	168,3	25



### Legend

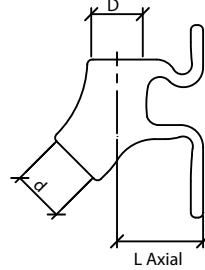
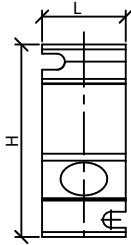
α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

**QUICK LINE SYSTEM TECHNICAL SCHEDULE**

## Wall Mount Manifolds

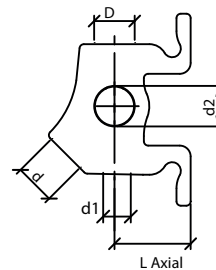
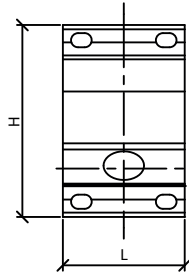
### DIRAPMAL Single port manifold, female threads

Code	Gr.	D	d	H	L	L Axial
DIRAPMAL048048	148	1/2"	1/2"	78	34	35



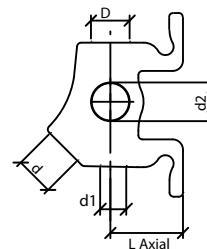
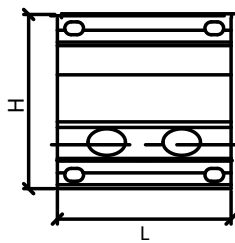
### DIRAPFRLAL Three port manifold, female threads + drain 1/4" blind

Code	Gr.	D	d	d1	d2	H	L	L axial
DIRAPFRLAL048048	360	1/2"	1/2"	1/4"	1/2"	88	55	35



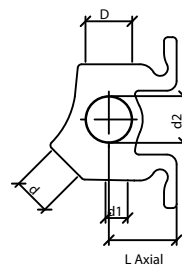
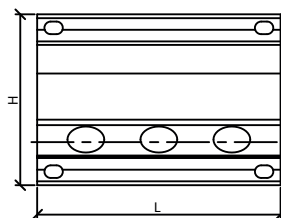
### DIRAPLAL Four port manifold, female threads + drain 1/4" blind

Code	Gr.	D	d	d1	d2	H	L	L Axial
DIRAPLAL048048	450	1/2"	1/2"	1/4"	1/2"	88	88	35
DIRAPLAL068068	465	3/4"	1/2"	1/4"	3/4"	88	88	35



### DIRPMUAL120 Five port manifold, female threads + drain 1/4" blind

Code	Gr.	D	d	d1	d2	H	L	L Axial
DIRPMUAL120	687	3/4"	1/2"	1/4"	3/4"	88	125	35



N.B. d1 = drain 1/4" (blind)

**AIRCOM s.r.l.**

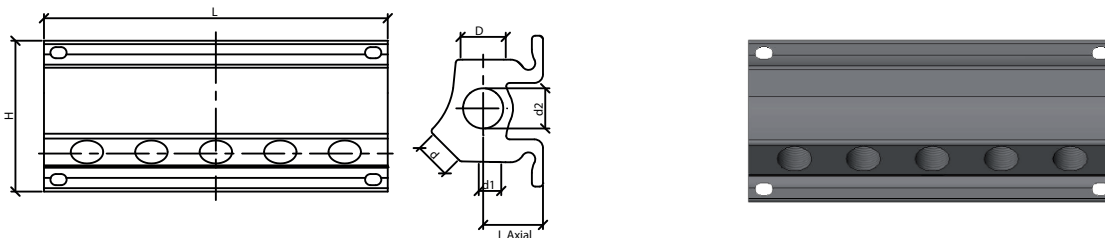
via Trattato di Maastricht • 15067 NOVI LIGURE (AL)  
Italia

Tel. + 39 0143 329502 • Fax +39 0143 358175

www.aircomsystem.com • info@aircomsystem.com

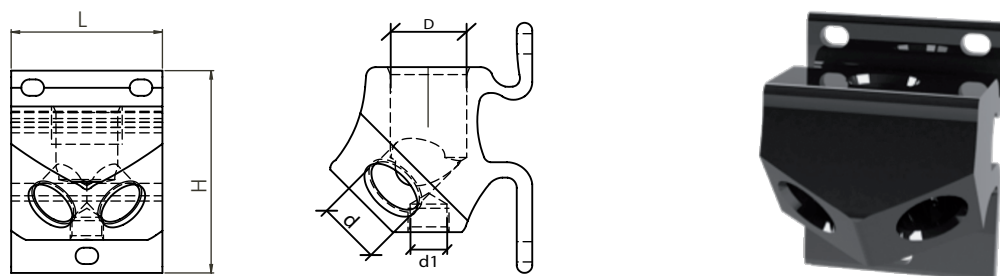
**DIRPMUAL200** Seven port manifold, female threads + drain 1/4" blind

Code	Gr.	D	d	d1	d2	H	L	L Axial
DIRPMUAL200	1122	3/4"	1/2"	1/4"	3/4"	88	200	35



**APLALL** Double port manifold, female threads + drain 1/4" \*

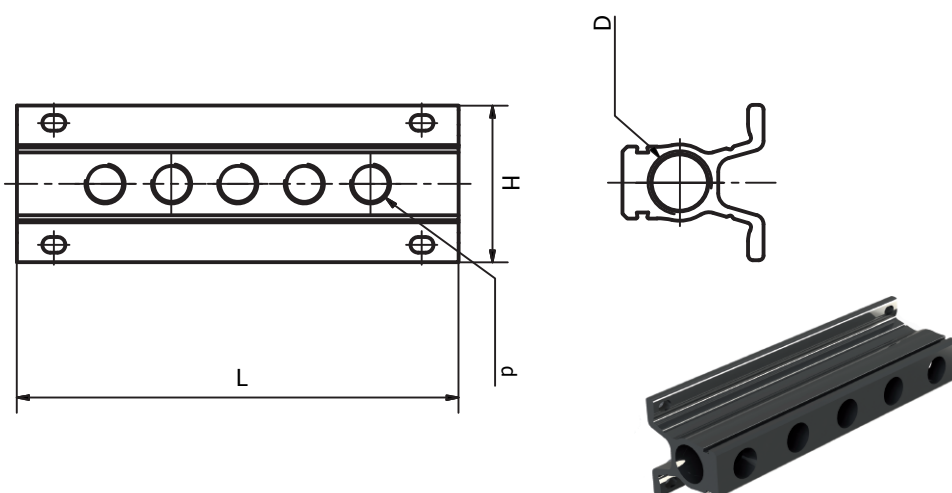
Code	Gr.	D	d	d1	H	L
APLALL048	240	1/2"	1/2"	1/4"	80,24	60
APLALL068	240	3/4"	1/2"	1/4"	80,24	60



See video  
QL Aluminium

**APLALLMUL** Five port manifold, female threads

Code	Gr.	D	d	H	L
APLALLMUL068038	487	3/4"	3/8"	65	183
APLALLMUL068048	529	3/4"	1/2"	65	183



**Legend**

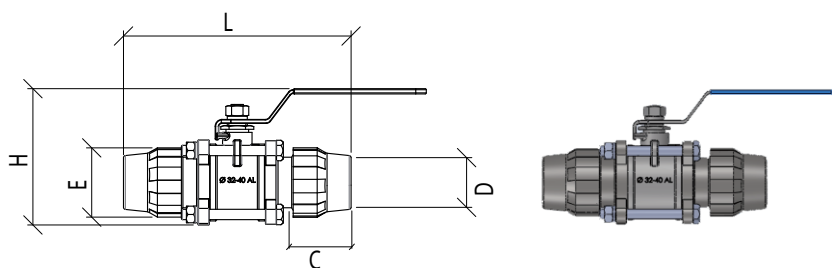
$\alpha$	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

N.B. d1 = drain 1/4" (blind)

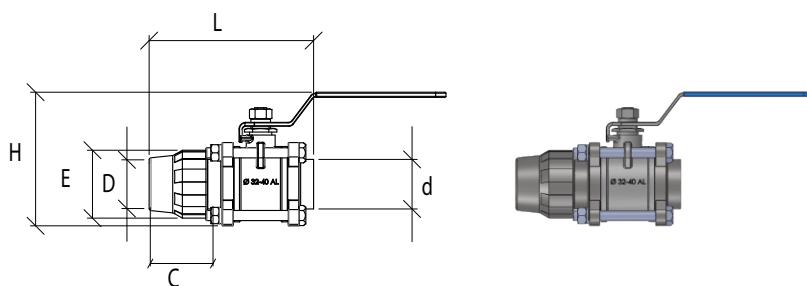


## Quick Line Valves

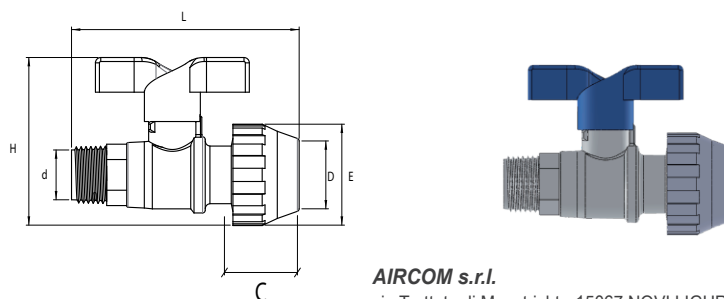
QLVAINOX	Quick Line steel ball valve, male threaded					
Code	Gr.	D	E	L	H	C
QLVAINOX025	700	25	45	168	124	45
QLVAINOX032	2040	32	56	265	138	56
QLVAINOX040	1930	40	62	269	138	77
QLVAINOX050	3000	50	81	308	147	75
QLVAINOX063	3260	63	97	376	175	95
QLVAINOX080	8390	80	116	483	200	114



QLVAINOXF	Quick Line steel ball valve, female threaded						
Code	Gr.	D	d	E	L	H	C
QLVAINOXF025088	800	25	1/2"	45	168	120	45
QLVAINOXF032128	2200	32	1.1/2"	56	215	134	56
QLVAINOXF040128	2050	40	1.1/2"	62	225	134	77
QLVAINOXF050168	3200	50	2"	81	274	143	75
QLVAINOXF063168	3500	63	2"	97	309	171	95
QLVAINOXF080248	8600	80	3"	116	393	196	114

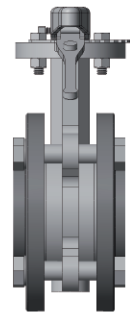
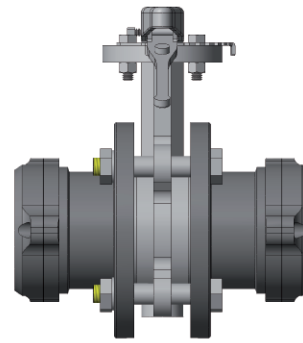
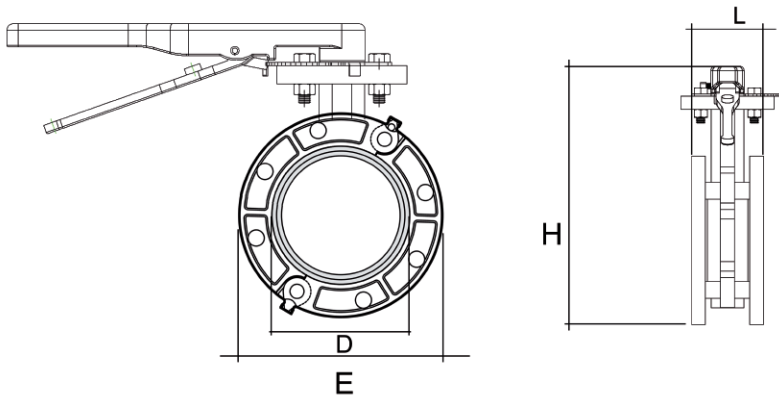
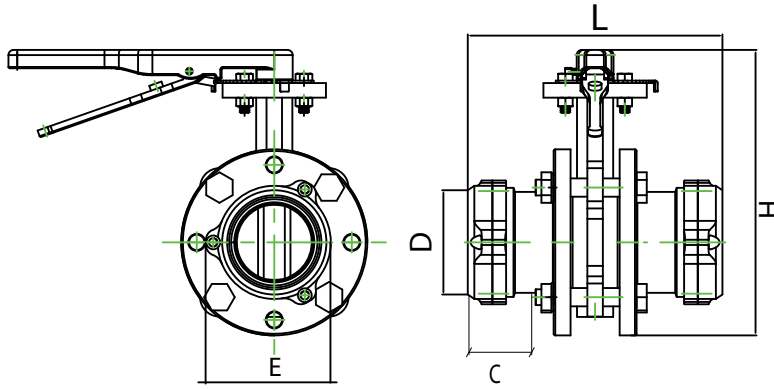


QLVAMAL	Quick Line male threaded connection ball valve						
Code	Gr.	D	d	E	L	H	C
QLVAM020048AL	320	20	1/2"	45	104	60	48
QLVAM025068AL	470	25	3/4"	51	106	60	52



# Quick Line Valves

QLVALFAR	Butterfly valve, 110 mm / 168,3 mm					
Code	Gr.	D	E	L	H	C
QLVALFAR110	30000	110	123	496	280	106
QLVALFAR168	31200	168,3	302	198	337	25

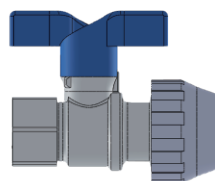
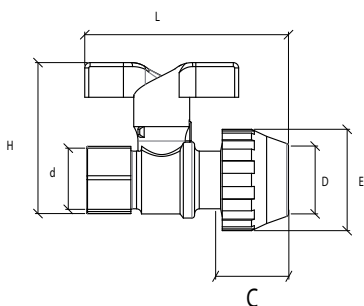


**ALUMINIUM**



See video  
QL Aluminium

QLVAFAL	Quick Line female threaded connection ball valve						
Code	Gr.	D	d	E	L	H	C
QLVAF020048AL	320	20	1/2"	45	104	60	48
QLVAF025068AL	470	25	3/4"	51	106	60	52



### Legend

α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
I	Misalignment
I1	Misalignment 1
r	Curvature radius (max)

# Quick Line Accessories

DIRDIL		Expansion joint, flanged				
Code	Gr.	D	L	L1	L Axial	On
DIRDIL063DIN	3400	63	130	185	125	4
DIRDIL080DIN	6120	80	130	200	160	8
DIRDIL110DIN	8000	110	130	220	180	8
DIRDIL168DIN	12000	168	130	285	240	8

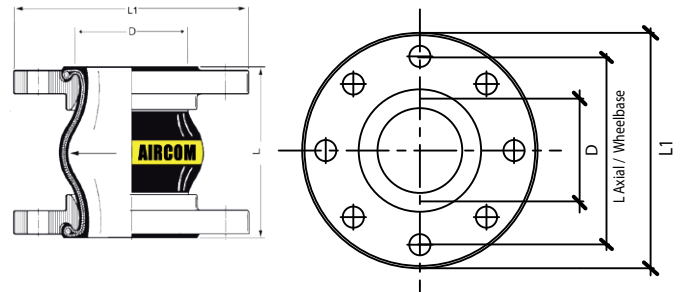


Table of minimum and maximum tolerance

INSTALLATION LENGTH		L Axial		L Lateral	$\alpha^\circ$ Angular
min	max	min	max	$\pm$ mm	$\pm \alpha^\circ$
120	135	100	150	$\pm 30$	$\pm 20$

### Union Flanged-Flanged

- The flanged expansion joint is serrated through screw assemblies M16x55 (in galvanized steel 8.8) or M16x55 (in stainless steel A 2.70)
- Screwing torque is 40 Nm for all sizes
- Do not use any solvents, glues, lubricants of any kind for the assembly

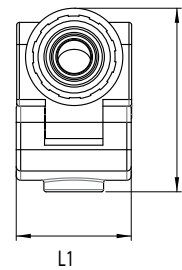
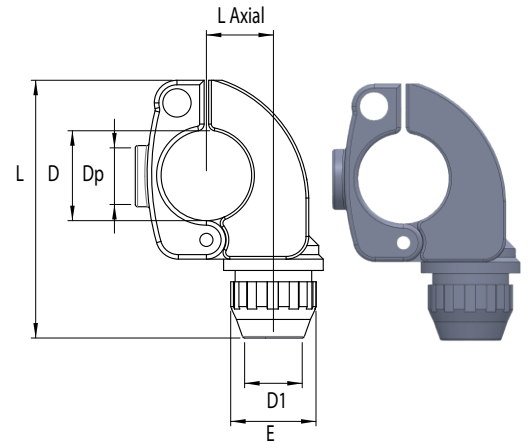
### pressure rating correction chart

working temperature	50°	70°	100°	
allowed movements depending on temperature	100%	80%	60%	
working pressure depending on temperature	PN 16	16 bar	12 bar	10 bar

- Expansion joints in High-Tech design suitable for compressed fluids
- Temperature (depending on medium) range -20°C up to +90°C, temporarily up to +100°C
- Electrically conductive

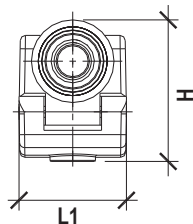
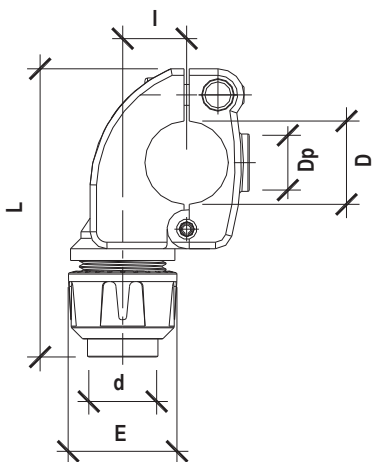
- Liner** - NBR (nitrile), seamless, abrasion resistant
- Reinforcement** - PA textile cord
- Cover** - Chloroprene CR
- Marking** - Yellow band, diameter, production date,...
- Flanges** - Swiveling, DIN PN 16, carbon steel, zinc plated

<b>QLDERAL</b>		<b>Quick branch plug with aluminium nut</b>						
Code	Gr.	D	D1	L	E	L1	Dp	L Axial
QLDERAL025020	195	25	20	113	45	52	16	24,5
QLDERAL032020	200	32	20	113	45	52	16	24,5
QLDERAL040020	250	40	20	125	45	52	20	29,6
QLDERAL040025	260	40	25	125	51	52	20	29,6
QLDERAL050020	315	50	20	145	45	60	20	31
QLDERAL050025	323	50	25	145	51	60	20	31
QLDERAL063020	360	63	20	145	45	60	20	43
QLDERAL063025	372	63	25	145	51	60	20	43
QLDERAL063032	420	63	32	145	61	60	20	43
QLDERAL080020	1080	80	20	220	45	63	20	71
QLDERAL080025	1095	80	25	220	51	63	20	71
QLDERAL080032	1140	80	32	220	61	63	20	71
QLDERAL110020	830	110	20	220	45	63	20	71
QLDERAL110025	830	110	25	220	51	63	20	71
QLDERAL110032	850	110	32	220	61	63	20	71



See video  
Quick branch plugs

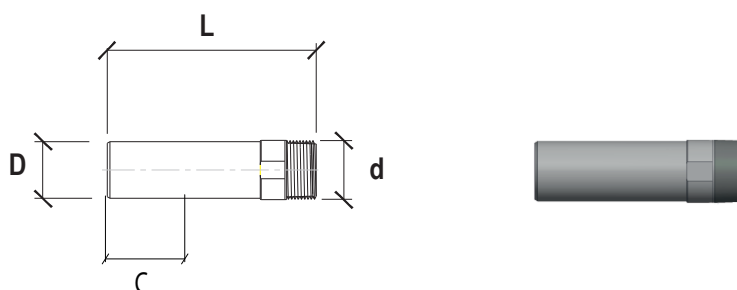
<b>DIRDERFF</b>		<b>Quick branch plug, f thread outlet (aluminium)</b>						
Code	Gr	D	d	L	E	L1	Dp	L Axial
DIRDERFF025048	238	25	1/2"	113	45	52	16	24,5
DIRDERFF032048	217	32	1/2"	113	45	52	16	24,5
DIRDERFF040048	274	40	1/2"	125	45	52	20	29,6
DIRDERFF040068	302	40	3/4"	125	51	52	20	29,6
DIRDERFF050048	402	50	1/2"	145	45	60	20	31
DIRDERFF050068	487	50	3/4"	145	51	60	20	31
DIRDERFF063048	368	63	1/2"	145	45	60	20	43
DIRDERFF063068	396	63	3/4"	145	51	60	20	43
DIRDERFF063088	620	63	1"	148	61	60	20	43
DIRDERFF080048	1191	80	1/2"	220	45	63	20	71
DIRDERFF080068	1153	80	3/4"	220	51	63	20	71
DIRDERFF080088	1160	80	1"	220	61	63	20	71
DIRDERFF110068	900	110	3/4"	220	51	63	20	71
DIRDERFF110088	900	110	1"	220	61	63	20	71



**Legend**

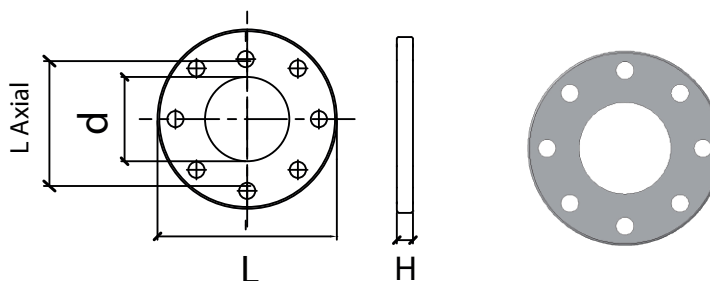
α	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
I	Misalignment
I1	Misalignment 1
r	Curvature radius (max)

QLPUNM	Male threaded Quick Line Spigot (aluminium)			
Code	Gr.	D	d	L
QLPUNM016038	25	16	3/8"	93
QLPUNM020048	36	20	1/2"	95
QLPUNM020068	52	20	3/4"	96
QLPUNM025088	86	25	1"	108
QLPUNM032108	170	32	1.1/4"	119
QLPUNM040128	224	40	1.1/2"	135
QLPUNM050168	400	50	2"	141
QLPUNM063168	481	63	2"	157
QLPUNM080248	695	80	3"	171



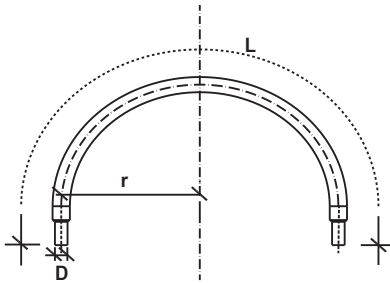
\* Flange DN 50 threaded G 2"  
 \*\* Flange DN 80 threaded G 3"  
 \*\*\* Flange DN 100 threaded G 4"

DIRFLFF	Threaded flange					
Code	Gr.	L	d	H	L Axial	On
DIRFLFF168DIN	741	165	2.1/2"	18	125	4
DIRFLFF248DIN	1123	200	3"	20	160	8
DIRFLFF328DIN	1263	220	4"	22	180	8



<b>QLFLEX</b>		<b>Compensator hose, male connection</b>				
Code	Gr	D	< r >		l1*	L
QLFLEX020	809	20	15	20	± 100	800
QLFLEX025	925	25	18	25	± 140	820
QLFLEX032	1200	32	23	32	± 180	960
QLFLEX040	1580	40	29	38	± 180	1200
QLFLEX050	3400	50	36	47	± 220	1430
QLFLEX063	4800	63	45	59	± 240	1650

\* axial seismic movement



See video  
QL Aluminium

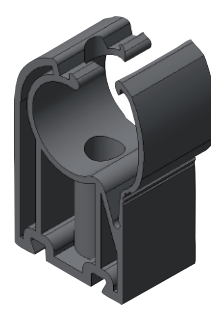
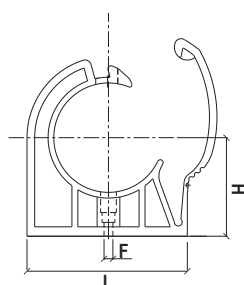
<b>DIRSM</b>		<b>Deburrers and Reamers</b>	
Code	Gr.	D	
DIRSM016050	441	16-50	
DIRSM063110	1753	63-110	



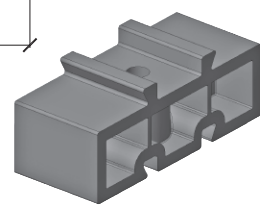
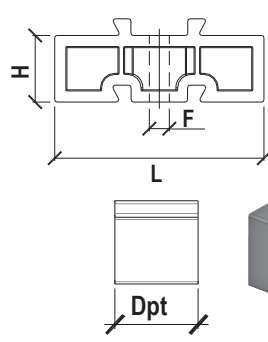
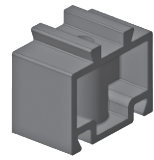
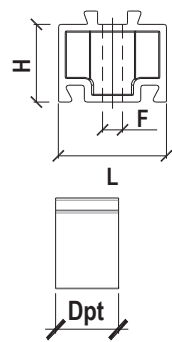
**Legend**

$\alpha$	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)

<b>DIRFEM8CF</b>		<b>Bracket M8 thread insert pieces</b>				
Code	Gr	D	L	H	F	Dpt
DIRFEM8016CF	9	16	31	35	9	30
DIRFEM8020CF	20	20	31	35	9	30
DIRFEM8025CF	30	25	38	35	9	30
DIRFEM8032CF	70	32	49	35	9	30
DIRFEM8040CF	80	40	60	70	9	40
DIRFEM8050CF	85	50	75	70	9	40
DIRFEM8063CF	110	63	94	70	9	40
DIRFEM8075CF	260	75	118	100	9	49
DIRFEM8080CF	250	80	120	100	9	49
DIRFEM8090CF	240	90	120	100	9	49
DIRFEM8110CF	330	110	163	100	9	49

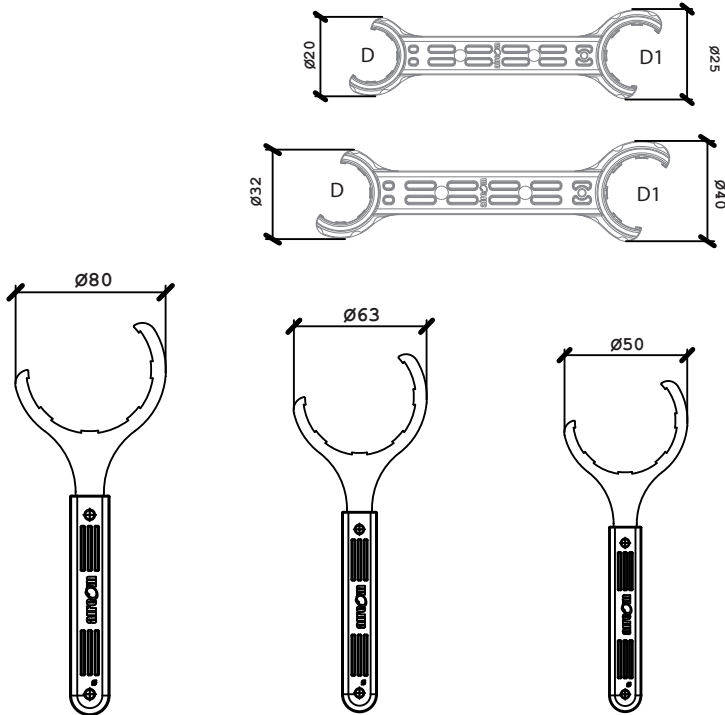


<b>DIRSPE</b>		<b>Spacers</b>				
Code	Gr	D	L	H	F	Dpt
DIRSPE020032	19	20-32	49	35	9	30
DIRSPE040063	55	40-63	94	30	9	40



## Quick Line Tools

<b>QLCLEAL</b>		Quick Line nut wrench for Aircom fittings, aluminium body		
Code	Gr.	D	D1	
QLCLEAL020025	72	20	25	
QLCLEAL032040	90	32	40	
QLCLEAL050	350	50		
QLCLEAL063	368	63		
QLCLEAL080	539	80		



<b>QLMISAL</b>		Pipe-fittings insertion meter D 20-110 (in aluminium)	
Code	Gr.	D	
QLMISAL020110	92	20-110	



See video  
QL Aluminium

### Legend

$\alpha$	Angular
C	Socket depth
C1	Socket depth 1
D	Socket diameter
D1	Socket diameter 1
Dp	Hollow mill driving diameter
Dpt	Largeness
d	Thread diameter
d1	Thread diameter 1
d2	Thread diameter 2
d3	Thread diameter 3
E	Overall outside diameter ring nut
E1	Overall outside diameter ring nut 1
Gr	Weight in grams
H	Height
On	Holes number
L	Length
L1	Length 1
L2	Length 2
L Axial	Axial Length / Wheelbase
l	Misalignment
l1	Misalignment 1
r	Curvature radius (max)





---

AIR IS OUR FUTURE

AIRCOM s.r.l.

Via Trattato di Maastricht  
15067 Novi Ligure (AL) - ITALY  
Ph. +39 0143 329502 - Fax +39 0143 358175

[www.aircomsystem.com](http://www.aircomsystem.com)  
[info@aircomsystem.com](mailto:info@aircomsystem.com)

*Information provided in this document were compiled according to our science and conscience and are representative of state of art. Information, data and pictures of Aircom products herein supplied are not binding and are supplied as a guide only. We reserve the right to introduce possible technical modifications without notice. We recommend to always check effective suitability of the product/s for the intended use. Any reprint or copying of this document and its annexes, or of part of them, requires prior written consent from Aircom Srl. All rights reserved. (E. and O. E.)*