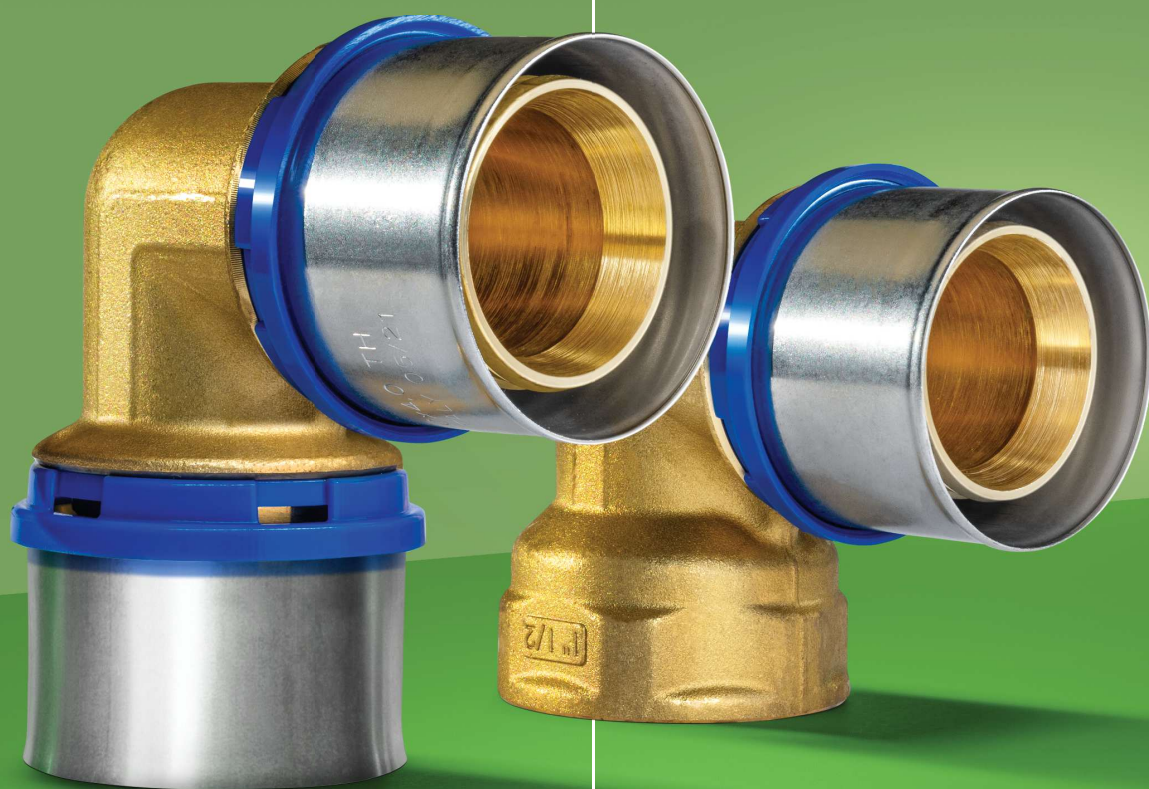


FITTINGS



APL SERIES

PRESS FITTING FOR MULTILAYER PIPES

Site
BRESCIA

1964
APE RACCORDERIE
IS FOUNDED

with the name
"Minuterie Metalliche
di Pe Angelo"

Commercial
presence
in over

50
COUNTRIES

Today, with

52,000 m²
it is one of the few
manufacturing companies

APE[®]
RACCORDERIE

on the national
and international market for

almost 60 years

**MANUFACTURERS OF ENTIRE
HEATING AND SANITARY SYSTEMS**

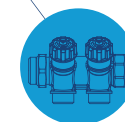
Fittings that
can be tightened
or crimped



Multilayer
pipe



Floor, wall and ceiling
radiant systems



Distribution
manifolds

All products
and systems are
certified by major
international bodies



FITTINGS

PIPES

GAS

THERM

FITTINGS



APL
SERIES

Press fittings
for multilayer pipes



Certificates valid for diameters Ø16- Ø20- Ø26- Ø32- Ø40- Ø50- Ø63



Certificates valid for diameters Ø26- Ø32- Ø40- Ø50- Ø63



Certificates valid for diameters Ø16- Ø20- Ø26- Ø32



Certificate valid for diameters Ø16- Ø20- Ø25- Ø32

APL SERIES

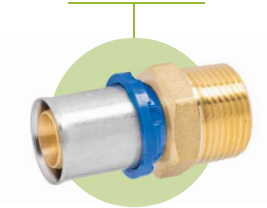
Press fittings for multilayer pipes

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APL SERIES

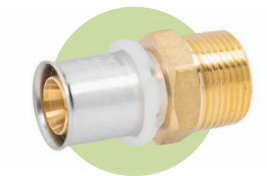
Press fittings for multilayer pipes

MALE STRAIGHT
ART. APL 10



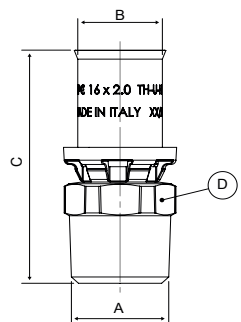
Code	Size	Bag (nr)	Box (nr)
ARL1002100	3/8" x Ø16 (2.0)	10	150
ARL1003100	1/2" x Ø16 (2.0)	10	140
ARL1003800	1/2" x Ø18 (2.0)	10	100
ARL1003200	1/2" x Ø20 (2.0)	10	80
ARL1004100	3/4" x Ø16 (2.0)	10	100
ARL1004200	3/4" x Ø20 (2.0)	10	80
ARL1004900	3/4" x Ø25 (2.5)	5	60
ARL1004300	3/4" x Ø26 (3.0)	5	60
ARL1010900	1" x Ø25 (2.5)	5	50
ARL1010300	1" x Ø26 (3.0)	5	50
ARL1010400	1" x Ø32 (3.0)	5	40
ARL1011500	1"1/4 x Ø40 (3.5)	1	25
ARL1012600	1"1/2 x Ø50 (4.0)	1	15
ARL1020700	2" x Ø63 (4.5)	1	8

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL1002100	R 3/8" ISO 7	Ø16 (2.0)	48,30	CH 18
ARL1003100	R 1/2" ISO 7	Ø16 (2.0)	51,80	CH 22
ARL1003800	R 1/2" ISO 7	Ø18 (2.0)	51,70	CH 22
ARL1003200	R 1/2" ISO 7	Ø20 (2.0)	51,70	CH 22
ARL1004100	R 3/4" ISO 7	Ø16 (2.0)	54,30	CH 28
ARL1004200	R 3/4" ISO 7	Ø20 (2.0)	54,20	CH 28
ARL1004900	R 3/4" ISO 7	Ø25 (2.5)	54,30	CH 28
ARL1004300	R 3/4" ISO 7	Ø26 (3.0)	55	CH 28
ARL1010900	R 1" ISO 7	Ø25 (2.5)	58,10	CH 34
ARL1010300	R 1" ISO 7	Ø26 (3.0)	58,80	CH 34
ARL1010400	R 1" ISO 7	Ø32 (3.0)	63,30	CH 34
ARL1011500	R 1"1/4 ISO 7	Ø40 (3.5)	65,70	CH 45
ARL1012600	R 1"1/2 ISO 7	Ø50 (4.0)	75,40	CH 50
ARL1020700	R 2" ISO 7	Ø63 (4.5)	83	CH 62



Code	Size	Bag (nr)	Box (nr)
ARL1002100W	3/8" x Ø16 (2.0)	10	150
ARL1003100W	1/2" x Ø16 (2.0)	10	140
ARL1003200W	1/2" x Ø20 (2.0)	10	80
ARL1004100W	3/4" x Ø16 (2.0)	10	100
ARL1004200W	3/4" x Ø20 (2.0)	10	80

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL1002100W	R 3/8" ISO 7	Ø16 (2.0)	48,30	CH 18
ARL1003100W	R 1/2" ISO 7	Ø16 (2.0)	51,80	CH 22
ARL1003200W	R 1/2" ISO 7	Ø20 (2.0)	51,70	CH 22
ARL1004100W	R 3/4" ISO 7	Ø16 (2.0)	54,30	CH 28
ARL1004200W	R 3/4" ISO 7	Ø20 (2.0)	54,20	CH 28



APL SERIES

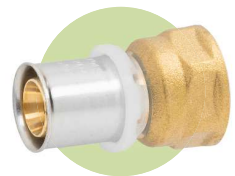
Press fittings for multilayer pipes

FEMALE STRAIGHT
ART. APL 11



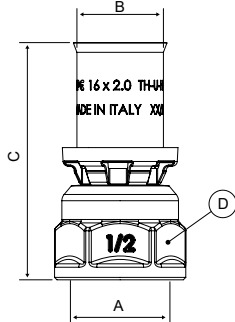
Code	Size	Bag (nr)	Box (nr)
ARL1102100	3/8" x Ø16 (2.0)	10	130
ARL1103100	1/2" x Ø16 (2.0)	10	130
ARL1103800	1/2" x Ø18 (2.0)	10	100
ARL1103200	1/2" x Ø20 (2.0)	10	90
ARL1104200	3/4" x Ø20 (2.0)	10	80
ARL1104900	3/4" x Ø25 (2.5)	5	60
ARL1104300	3/4" x Ø26 (3.0)	5	60
ARL1110900	1" x Ø25 (2.5)	5	45
ARL1110300	1" x Ø26 (3.0)	5	45
ARL1110400	1" x Ø32 (3.0)	5	35
ARL1111500	1"1/4 x Ø40 (3.5)	1	20
ARL1112600	1"1/2 x Ø50 (4.0)	1	15
ARL1120700	2" x Ø63 (4.5)	1	6

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL1102100	Rp 3/8" ISO 7	Ø16 (2.0)	46,80	CH 24
ARL1103100	Rp 1/2" ISO 7	Ø16 (2.0)	48,80	CH 24
ARL1103800	Rp 1/2" ISO 7	Ø18 (2.0)	48,70	CH 24
ARL1103200	Rp 1/2" ISO 7	Ø20 (2.0)	48,70	CH 24
ARL1104200	Rp 3/4" ISO 7	Ø20 (2.0)	50	CH 30
ARL1104900	Rp 3/4" ISO 7	Ø25 (2.5)	50,10	CH 30
ARL1104300	Rp 3/4" ISO 7	Ø26 (3.0)	50,80	CH 30
ARL1110900	Rp 1" ISO 7	Ø25 (2.5)	53,80	CH 38
ARL1110300	Rp 1" ISO 7	Ø26 (3.0)	54,50	CH 38
ARL1110400	Rp 1" ISO 7	Ø32 (3.0)	59	CH 38
ARL1111500	Rp 1"1/4 ISO 7	Ø40 (3.5)	57,60	CH 47
ARL1112600	Rp 1"1/2 ISO 7	Ø50 (4.0)	67,30	CH 53
ARL1120700	Rp 2" ISO 7	Ø63 (4.5)	73,90	CH 65



Code	Size	Bag (nr)	Box (nr)
ARL1103100W	1/2" x Ø16 (2.0)	10	130
ARL1103200W	1/2" x Ø20 (2.0)	10	90
ARL1104200W	3/4" x Ø20 (2.0)	10	80

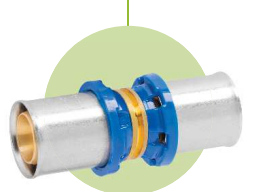
Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL1103100W	Rp 1/2" ISO 7	Ø16 (2.0)	48,80	CH 24
ARL1103200W	Rp 1/2" ISO 7	Ø20 (2.0)	48,70	CH 24
ARL1104200W	Rp 3/4" ISO 7	Ø20 (2.0)	50	CH 30



APL SERIES

Press fittings for multilayer pipes

STRAIGHT COUPLING ART. APL 12



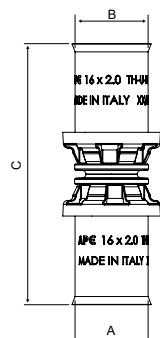
Code	Size	Bag (nr)	Box (nr)
ARL1200110	Ø16 (2.0) x Ø16 (2.0)	10	100
ARL1200880	Ø18 (2.0) x Ø18 (2.0)	10	90
ARL1200220	Ø20 (2.0) x Ø20 (2.0)	10	90
ARL1200990	Ø25 (2.5) x Ø25 (2.5)	5	50
ARL1200330	Ø26 (3.0) x Ø26 (3.0)	5	50
ARL1200440	Ø32 (3.0) x Ø32 (3.0)	5	30
ARL1200550	Ø40 (3.5) x Ø40 (3.5)	1	20
ARL1200660	Ø50 (4.0) x Ø50 (4.0)	1	15
ARL1200770	Ø63 (4.5) x Ø63 (4.5)	1	8

Code	A (mm)	B (mm)	C (mm)
ARL1200110	Ø16 (2.0)	Ø16 (2.0)	63,60
ARL1200880	Ø18 (2.0)	Ø18 (2.0)	63,40
ARL1200220	Ø20 (2.0)	Ø20 (2.0)	63,40
ARL1200990	Ø25 (2.5)	Ø25 (2.5)	63,60
ARL1200330	Ø26 (3.0)	Ø26 (3.0)	65
ARL1200440	Ø32 (3.0)	Ø32 (3.0)	74
ARL1200550	Ø40 (3.5)	Ø40 (3.5)	69,40
ARL1200660	Ø50 (4.0)	Ø50 (4.0)	88,80
ARL1200770	Ø63 (4.5)	Ø63 (4.5)	90



Code	Size	Bag (nr)	Box (nr)
ARL1200110W	Ø16 (2.0) x Ø16 (2.0)	10	100
ARL1200220W	Ø20 (2.0) x Ø20 (2.0)	10	90
ARL1200330W	Ø26 (3.0) x Ø26 (3.0)	5	50

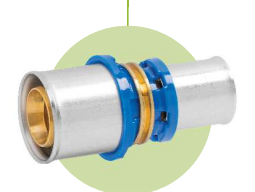
Code	A (mm)	B (mm)	C (mm)
ARL1200110W	Ø16 (2.0)	Ø16 (2.0)	63,60
ARL1200220W	Ø20 (2.0)	Ø20 (2.0)	63,40
ARL1200330W	Ø26 (3.0)	Ø26 (3.0)	65



APL SERIES

Press fittings for multilayer pipes

MALE ELBOW ART. APL 13



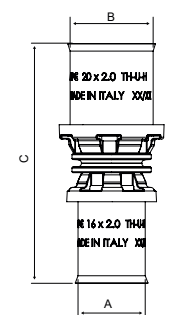
Code	Size	Bag (nr)	Box (nr)
ARL1300210	Ø16 (2.0) x Ø20 (2.0)	10	90
ARL1300910	Ø16 (2.0) x Ø25 (2.5)	5	60
ARL1300310	Ø16 (2.0) x Ø26 (3.0)	5	60
ARL1300410	Ø16 (2.0) x Ø32 (3.0)	5	30
ARL1300920	Ø20 (2.0) x Ø25 (2.5)	5	60
ARL1300320	Ø20 (2.0) x Ø26 (3.0)	5	60
ARL1300420	Ø20 (2.0) x Ø32 (3.0)	5	30
ARL1300430	Ø26 (3.0) x Ø32 (3.0)	5	30
ARL1300520	Ø40 (3.5) x Ø20 (2.0)	1	25
ARL1300590	Ø40 (3.5) x Ø25 (2.5)	1	25
ARL1300530	Ø40 (3.5) x Ø26 (3.0)	1	25
ARL1300540	Ø40 (3.5) x Ø32 (3.0)	1	20
ARL1300630	Ø50 (4.0) x Ø26 (3.0)	1	15
ARL1300640	Ø50 (4.0) x Ø32 (3.0)	1	15
ARL1300650	Ø50 (4.0) x Ø40 (3.5)	1	15
ARL1300750	Ø63 (4.5) x Ø40 (3.5)	1	10
ARL1300760	Ø63 (4.5) x Ø50 (4.0)	1	10

Code	A (mm)	B (mm)	C (mm)
ARL1300210	Ø16 (2.0)	Ø20 (2.0)	63,50
ARL1300910	Ø16 (2.0)	Ø25 (2.5)	63,60
ARL1300310	Ø16 (2.0)	Ø26 (3.0)	64,30
ARL1300410	Ø16 (2.0)	Ø32 (3.0)	68,80
ARL1300920	Ø20 (2.0)	Ø25 (2.5)	63,50
ARL1300320	Ø20 (2.0)	Ø26 (3.0)	64,20
ARL1300420	Ø20 (2.0)	Ø32 (3.0)	68,70
ARL1300430	Ø26 (3.0)	Ø32 (3.0)	69,50
ARL1300520	Ø40 (3.5)	Ø20 (2.0)	66,90
ARL1300590	Ø40 (3.5)	Ø25 (2.5)	67,70
ARL1300530	Ø40 (3.5)	Ø26 (3.0)	67,70
ARL1300540	Ø40 (3.5)	Ø32 (3.0)	72,20
ARL1300630	Ø50 (4.0)	Ø26 (3.0)	77,40
ARL1300640	Ø50 (4.0)	Ø32 (3.0)	81,90
ARL1300650	Ø50 (4.0)	Ø40 (3.5)	79,10
ARL1300750	Ø63 (4.5)	Ø40 (3.5)	79,70
ARL1300760	Ø63 (4.5)	Ø50 (4.0)	90,40



Code	Size	Bag (nr)	Box (nr)
ARL1300210W	Ø16 (2.0) x Ø20 (2.0)	10	90
ARL1300310W	Ø16 (2.0) x Ø26 (3.0)	5	60
ARL1300320W	Ø20 (2.0) x Ø26 (3.0)	5	60

Code	A (mm)	B (mm)	C (mm)
ARL1300210W	Ø16 (2.0)	Ø20 (2.0)	63,50
ARL1300310W	Ø16 (2.0)	Ø26 (3.0)	64,30
ARL1300320W	Ø20 (2.0)	Ø26 (3.0)	64,20



APL SERIES

Press fittings for multilayer pipes

MALE ELBOW ART. APL 30



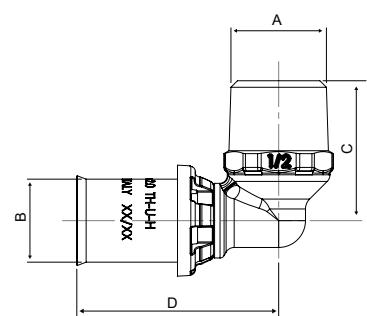
Code	Size	Bag (nr)	Box (nr)
ARL3003100	1/2" x Ø16 (2.0)	10	100
ARL3003800	1/2" x Ø18 (2.0)	10	80
ARL3003200	1/2" x Ø20 (2.0)	10	80
ARL3004200	3/4" x Ø20 (2.0)	10	60
ARL3004900	3/4" x Ø25 (2.5)	5	40
ARL3004300	3/4" x Ø26 (3.0)	5	40
ARL3010900	1" x Ø25 (2.5)	5	70
ARL3010300	1" x Ø26 (3.0)	5	40
ARL3010400	1" x Ø32 (3.0)	5	30
ARL3011500	1"1/4 x Ø40 (3.5)	1	15
ARL3012600	1"1/2 x Ø50 (4.0)	1	10
ARL3020700	2" x Ø63 (4.5)	1	5

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL30031 00	R 1/2" ISO 7	Ø16 (2.0)	30	43,30
ARL3003800	R 1/2" ISO 7	Ø18 (2.0)	32	44,20
ARL3003200	R 1/2" ISO 7	Ø20 (2.0)	32	44,20
ARL3004200	R 3/4" ISO 7	Ø20 (2.0)	38	45,20
ARL3004900	R 3/4" ISO 7	Ø25 (2.5)	40	47,30
ARL3004300	R 3/4" ISO 7	Ø26 (3.0)	40	48
ARL3010900	R 1" ISO 7	Ø25 (2.5)	46	49,80
ARL3010300	R 1" ISO 7	Ø26 (3.0)	46	50,50
ARL3010400	R 1" ISO 7	Ø32 (3.0)	46	56
ARL3011500	R 1"1/4 ISO 7	Ø40 (3.5)	61,5	59,20
ARL3012600	R 1"1/2 ISO 7	Ø50 (4.0)	67	73,90
ARL3020700	R 2" ISO 7	Ø63 (4.5)	80	86



Code	Size	Bag (nr)	Box (nr)
ARL3003100W	1/2" x Ø16 (2.0)	10	100
ARL3003200W	1/2" x Ø20 (2.0)	10	80
ARL3004200W	3/4" x Ø20 (2.0)	10	60

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL30031 00W	R 1/2" ISO 7	Ø16 (2.0)	30	43,30
ARL3003200W	R 1/2" ISO 7	Ø20 (2.0)	32	44,20
ARL3004200W	R 3/4" ISO 7	Ø20 (2.0)	38	45,20



FEMALE ELBOW ART. APL 31



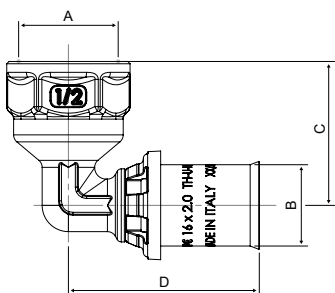
Code	Size	Bag (nr)	Box (nr)
ARL3103100	1/2" x Ø16 (2.0)	10	100
ARL3103800	1/2" x Ø18 (2.0)	10	70
ARL3103200	1/2" x Ø20 (2.0)	10	70
ARL3104200	3/4" x Ø20 (2.0)	10	60
ARL3104900	3/4" x Ø25 (2.5)	5	40
ARL3104300	3/4" x Ø26 (3.0)	5	40
ARL3110900	1" x Ø25 (2.5)	5	70
ARL3110300	1" x Ø26 (3.0)	5	35
ARL3110400	1" x Ø32 (3.0)	5	25
ARL3111500	1"1/4 x Ø40 (3.5)	1	12
ARL3112600	1"1/2 x Ø50 (4.0)	1	10

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL3103100	Rp 1/2" ISO 7	Ø16 (2.0)	31,50	41,80
ARL3103800	Rp 1/2" ISO 7	Ø18 (2.0)	31,50	43,20
ARL3103200	Rp 1/2" ISO 7	Ø20 (2.0)	31,50	43,20
ARL3104200	Rp 3/4" ISO 7	Ø20 (2.0)	35	44,70
ARL3104900	Rp 3/4" ISO 7	Ø25 (2.5)	36,50	46,30
ARL3104300	Rp 3/4" ISO 7	Ø26 (3.0)	36,50	47
ARL3110900	Rp 1" ISO 7	Ø25 (2.5)	43	48,80
ARL3110300	Rp 1" ISO 7	Ø26 (3.0)	43	49,50
ARL3110400	Rp 1" ISO 7	Ø32 (3.0)	43	54,50
ARL3111500	Rp 1"1/4 ISO 7	Ø40 (3.5)	54	59,20
ARL3112600	Rp 1"1/2 ISO 7	Ø50 (4.0)	58	73,90



Code	Size	Bag (nr)	Box (nr)
ARL3103100W	1/2" x Ø16 (2.0)	10	100
ARL3103200W	1/2" x Ø20 (2.0)	10	70
ARL3104200W	3/4" x Ø20 (2.0)	10	60

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL3103100W	Rp 1/2" ISO 7	Ø16 (2.0)	31,50	41,80
ARL3103200W	Rp 1/2" ISO 7	Ø20 (2.0)	31,50	43,20
ARL3104200W	Rp 3/4" ISO 7	Ø20 (2.0)	35	44,70



APL SERIES

Press fittings for multilayer pipes

90° EQUAL ELBOW ART. APL 32



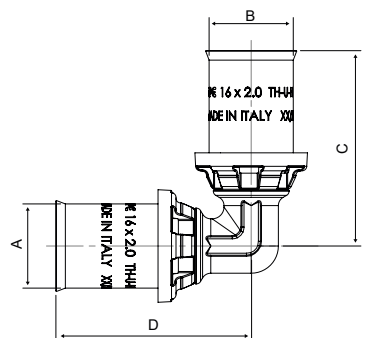
Code	Size	Bag (nr)	Box (nr)
ARL3200110	Ø16 (2.0) x Ø16 (2.0)	10	100
ARL3200880	Ø18 (2.0) x Ø18 (2.0)	10	60
ARL3200220	Ø20 (2.0) x Ø20 (2.0)	10	60
ARL3200990	Ø25 (2.5) x Ø25 (2.5)	5	40
ARL3200330	Ø26 (3.0) x Ø26 (3.0)	5	40
ARL3200440	Ø32 (3.0) x Ø32 (3.0)	5	25
ARL3200550	Ø40 (3.5) x Ø40 (3.5)	1	15
ARL3200660	Ø50 (4.0) x Ø50 (4.0)	1	8
ARL3200770	Ø63 (4.5) x Ø63 (4.5)	1	4

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL3200110	Ø16 (2.0)	Ø16 (2.0)	41,30	41,30
ARL3200880	Ø18 (2.0)	Ø18 (2.0)	43,20	43,20
ARL3200220	Ø20 (2.0)	Ø20 (2.0)	43,20	43,20
ARL3200990	Ø25 (2.5)	Ø25 (2.5)	46,30	46,30
ARL3200330	Ø26 (3.0)	Ø26 (3.0)	47	47
ARL3200440	Ø32 (3.0)	Ø32 (3.0)	54,50	54,50
ARL3200550	Ø40 (3.5)	Ø40 (3.5)	59,20	59,20
ARL3200660	Ø50 (4.0)	Ø50 (4.0)	73,90	73,90
ARL3200770	Ø63 (4.5)	Ø63 (4.5)	86	86



Code	Size	Bag (nr)	Box (nr)
ARL3200110W	Ø16 (2.0) x Ø16 (2.0)	10	100
ARL3200220W	Ø20 (2.0) x Ø20 (2.0)	10	60

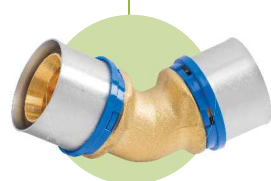
Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL3200110W	Ø16 (2.0)	Ø16 (2.0)	41,30	41,30
ARL3200220W	Ø20 (2.0)	Ø20 (2.0)	43,20	43,20



APL SERIES

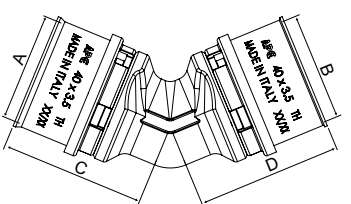
Press fittings for multilayer pipes

45° EQUAL ELBOW ART. APL 88

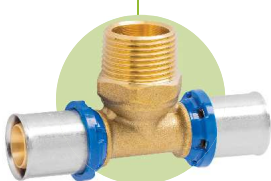


Code	Size	Bag (nr)	Box (nr)
ARL8800333	Ø26 (3.0) x Ø26 (3.0)	5	40
ARL8800444	Ø32 (3.0) x Ø32 (3.0)	5	25
ARL8800555	Ø40 (3.5) x Ø40 (3.5)	1	12
ARL8800666	Ø50 (4.0) x Ø50 (4.0)	1	8
ARL8800777	Ø63 (4.5) x Ø63 (4.5)	1	4

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL8800333	Ø26 (3.0)	Ø26 (3.0)	46	46
ARL8800444	Ø32 (3.0)	Ø32 (3.0)	51	51
ARL8800555	Ø40 (3.5)	Ø40 (3.5)	54,20	54,20
ARL8800666	Ø50 (4.0)	Ø50 (4.0)	70,40	70,40
ARL8800777	Ø63 (4.5)	Ø63 (4.5)	75,50	75,50

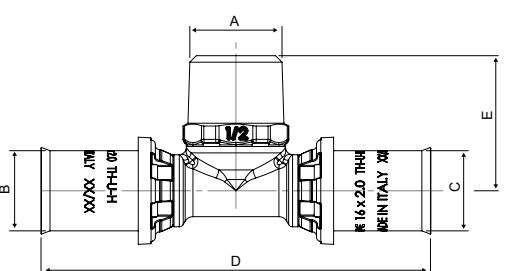


MALE TEE ART. APL 20



Code	Size	Bag (nr)	Box (nr)
ARL2003101	Ø16 (2.0) x 1/2" x Ø16 (2.0)	10	50
ARL2003202	Ø20 (2.0) x 1/2" x Ø20 (2.0)	10	50
ARL2004202	Ø20 (2.0) x 3/4" x Ø20 (2.0)	10	30
ARL2004909	Ø25 (2.5) x 3/4" x Ø25 (2.5)	5	30
ARL2004303	Ø26 (3.0) x 3/4" x Ø26 (3.0)	5	30
ARL2010404	Ø32 (3.0) x 1" x Ø32 (3.0)	5	15

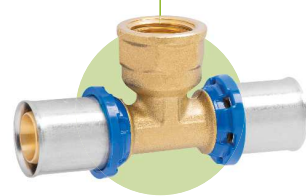
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL2003101	R 1/2" ISO 7	Ø16 (2.0)	Ø16 (2.0)	86,60	30
ARL2003202	R 1/2" ISO 7	Ø20 (2.0)	Ø20 (2.0)	88,40	32
ARL2004202	R 3/4" ISO 7	Ø20 (2.0)	Ø20 (2.0)	90,40	38
ARL2004909	R 3/4" ISO 7	Ø25 (2.5)	Ø25 (2.5)	94,60	40
ARL2004303	R 3/4" ISO 7	Ø26 (3.0)	Ø26 (3.0)	96	40
ARL2010404	R 1" ISO 7	Ø32 (3.0)	Ø32 (3.0)	109	46



APL SERIES

Press fittings for multilayer pipes

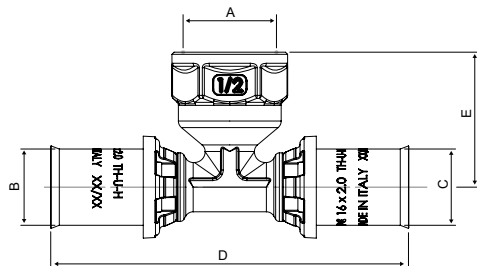
FEMALE TEE
ART. APL 21



Code	Size	Bag (nr)	Box (nr)
ARL2103101	Ø16 (2.0) x 1/2" x Ø16 (2.0)	10	60
ARL2103202	Ø20 (2.0) x 1/2" x Ø20 (2.0)	10	40
ARL2104202	Ø20 (2.0) x 3/4" x Ø20 (2.0)	10	40
ARL2104909	Ø25 (2.5) x 3/4" x Ø25 (2.5)	5	30
ARL2104303	Ø26 (3.0) x 3/4" x Ø26 (3.0)	5	30
ARL2110404	Ø32 (3.0) x 1" x Ø32 (3.0)	5	15
ARL2110500	Ø40 (3.5) x 1" x Ø40 (3.5)	1	10
ARL2110600	Ø50 (4.0) x 1" x Ø50 (4.0)	1	6
ARL2110700	Ø63 (4.5) x 1" x Ø63 (4.5)	1	4
ARL2111500	Ø40 (3.5) x 1" 1/4 x Ø40 (3.5)	1	10
ARL2112600	Ø50 (4.0) x 1" 1/2 x Ø50 (4.0)	1	6
ARL2112700	Ø63 (4.5) x 1" 1/2 x Ø63 (4.5)	1	3



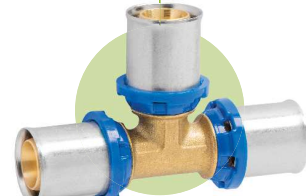
Code	Size	Bag (nr)	Box (nr)
ARL2103101W	Ø16 (2.0) x 1/2" x Ø16 (2.0)	10	60
ARL2103202W	Ø20 (2.0) x 1/2" x Ø20 (2.0)	10	40
ARL2104202W	Ø20 (2.0) x 3/4" x Ø20 (2.0)	10	40



APL SERIES

Press fittings for multilayer pipes

EQUAL TEE
ART. APL 22



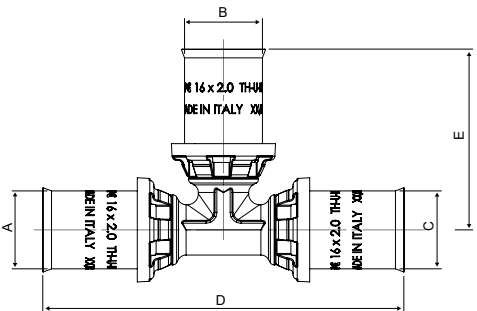
Code	Size	Bag (nr)	Box (nr)
ARL2200111	Ø16 (2.0) x Ø16 (2.0) x Ø16 (2.0)	10	60
ARL2200888	Ø18 (2.0) x Ø18 (2.0) x Ø18 (2.0)	10	40
ARL2200222	Ø20 (2.0) x Ø20 (2.0) x Ø20 (2.0)	10	40
ARL2200999	Ø25 (2.5) x Ø25 (2.5) x Ø25 (2.5)	5	25
ARL2200333	Ø26 (3.0) x Ø26 (3.0) x Ø26 (3.0)	5	25
ARL2200444	Ø32 (3.0) x Ø32 (3.0) x Ø32 (3.0)	5	15
ARL2200555	Ø40 (3.5) x Ø40 (3.5) x Ø40 (3.5)	1	10
ARL2200666	Ø50 (4.0) x Ø50 (4.0) x Ø50 (4.0)	1	5
ARL2200777	Ø63 (4.5) x Ø63 (4.5) x Ø63 (4.5)	1	3



Code	Size	Bag (nr)	Box (nr)
ARL2200111W	Ø16 (2.0) x Ø16 (2.0) x Ø16 (2.0)	10	60
ARL2200222W	Ø20 (2.0) x Ø20 (2.0) x Ø20 (2.0)	10	40

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL2200111	Ø16 (2.0)	Ø16 (2.0)	Ø16 (2.0)	82,6	41,3
ARL2200888	Ø18 (2.0)	Ø18 (2.0)	Ø18 (2.0)	86,4	43,2
ARL2200222	Ø20 (2.0)	Ø20 (2.0)	Ø20 (2.0)	86,4	43,2
ARL2200999	Ø25 (2.5)	Ø25 (2.5)	Ø25 (3.0)	92,6	46,3
ARL2200333	Ø26 (3.0)	Ø26 (3.0)	Ø26 (3.0)	94	47
ARL2200444	Ø32 (3.0)	Ø32 (3.0)	Ø32 (3.0)	108,88	54,5
ARL2200555	Ø40 (3.5)	Ø40 (3.5)	Ø40 (3.5)	118,4	59,2
ARL2200666	Ø50 (4.0)	Ø50 (4.0)	Ø50 (4.0)	147,8	73,9
ARL2200777	Ø63 (4.5)	Ø63 (4.5)	Ø63 (4.5)	172	86

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL2200111W	Ø16 (2.0)	Ø16 (2.0)	Ø16 (2.0)	82,6	41,3
ARL2200222W	Ø20 (2.0)	Ø20 (2.0)	Ø20 (2.0)	86,4	43,2



APL SERIES

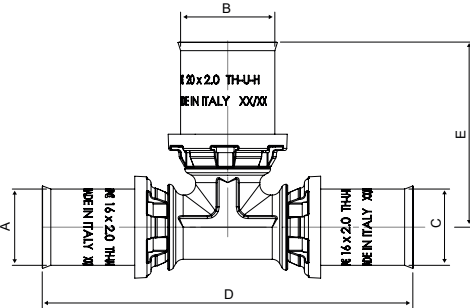
Press fittings for multilayer pipes

REDUCING TEE
ART. APL 24



Code	Size	Bag (nr)	Box (nr)
ARL2400121	Ø16 (2.0) x Ø20 (2.0) x Ø16 (2.0)	10	40
ARL2400211	Ø20 (2.0) x Ø16 (2.0) x Ø16 (2.0)	10	40
ARL2400212	Ø20 (2.0) x Ø16 (2.0) x Ø20 (2.0)	10	40
ARL2400221	Ø20 (2.0) x Ø20 (2.0) x Ø16 (2.0)	10	40
ARL2400919	Ø25 (2.5) x Ø16 (2.0) x Ø25 (2.5)	5	25
ARL2400922	Ø25 (2.5) x Ø20 (2.0) x Ø20 (2.0)	5	25
ARL2400929	Ø25 (2.5) x Ø20 (2.0) x Ø25 (2.5)	5	23
ARL2400992	Ø25 (2.5) x Ø25 (2.5) x Ø20 (2.0)	5	23
ARL2400311	Ø26 (3.0) x Ø16 (2.0) x Ø16 (2.0)	5	25
ARL2400313	Ø26 (3.0) x Ø16 (2.0) x Ø26 (3.0)	5	25
ARL2400322	Ø26 (3.0) x Ø20 (2.0) x Ø20 (2.0)	5	25
ARL2400323	Ø26 (3.0) x Ø20 (2.0) x Ø26 (3.0)	5	23
ARL2400332	Ø26 (3.0) x Ø26 (3.0) x Ø20 (2.0)	5	23
ARL2400414	Ø32 (3.0) x Ø16 (2.0) x Ø32 (3.0)	5	15
ARL2400424	Ø32 (3.0) x Ø20 (2.0) x Ø32 (3.0)	5	15
ARL2400499	Ø32 (3.0) x Ø25 (2.5) x Ø25 (2.5)	5	15
ARL2400494	Ø32 (3.0) x Ø25 (2.5) x Ø32 (3.0)	5	15

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
Ø16 (2.0)	Ø20 (2.0)	Ø16 (2.0)	86,60	43,20
Ø20 (2.0)	Ø16 (2.0)	Ø16 (2.0)	86,40	43,30
Ø20 (2.0)	Ø16 (2.0)	Ø20 (2.0)	86,10	43,30
Ø20 (2.0)	Ø20 (2.0)	Ø16 (2.0)	86,50	43,20
Ø25 (2.5)	Ø16 (2.0)	Ø25 (2.5)	92,60	46,30
Ø25 (2.5)	Ø20 (2.0)	Ø20 (2.0)	92,50	46,20
Ø25 (2.5)	Ø20 (2.0)	Ø25 (2.5)	92,60	46,20
Ø25 (2.5)	Ø25 (2.5)	Ø20 (2.0)	92,50	46,30
Ø26 (3.0)	Ø16 (2.0)	Ø16 (2.0)	93,30	46,30
Ø26 (3.0)	Ø16 (2.0)	Ø26 (3.0)	94	46,30
Ø26 (3.0)	Ø20 (2.0)	Ø20 (2.0)	93,20	46,20
Ø26 (3.0)	Ø20 (2.0)	Ø26 (3.0)	94	46,20
Ø26 (3.0)	Ø26 (3.0)	Ø20 (2.0)	93,20	47
Ø32 (3.0)	Ø16 (2.0)	Ø32 (3.0)	109	49,30
Ø32 (3.0)	Ø20 (2.0)	Ø32 (3.0)	109	49,20
Ø32 (3.0)	Ø25 (2.5)	Ø25 (2.5)	103,80	49,30
Ø32 (3.0)	Ø25 (2.5)	Ø32 (3.0)	109	49,30

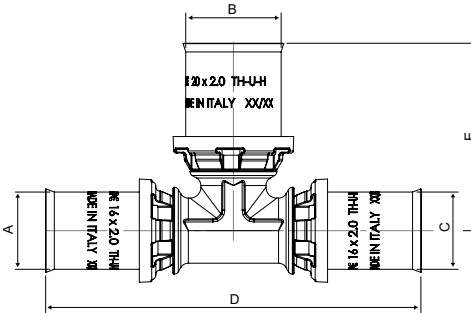


REDUCING TEE
ART. APL 24



Code	Size	Bag (nr)	Box (nr)
ARL2400433	Ø32 (3.0) x Ø26 (3.0) x Ø26 (3.0)	5	15
ARL2400434	Ø32 (3.0) x Ø26 (3.0) x Ø32 (3.0)	5	15
ARL2400449	Ø32 (2.5) x Ø32 (3.0) x Ø25 (2.5)	5	15
ARL2400443	Ø32 (3.0) x Ø32 (3.0) x Ø26 (3.0)	5	15
ARL2400525	Ø40 (3.5) x Ø20 (2.0) x Ø40 (3.5)	1	10
ARL2400595	Ø40 (3.5) x Ø25 (2.5) x Ø40 (3.5)	1	10
ARL2400535	Ø40 (3.5) x Ø26 (3.0) x Ø40 (3.5)	1	10
ARL2400545	Ø40 (3.5) x Ø32 (3.0) x Ø40 (3.5)	2	10
ARL2400626	Ø50 (4.0) x Ø20 (2.0) x Ø50 (4.0)	1	6
ARL2400696	Ø50 (4.0) x Ø25 (2.5) x Ø50 (4.0)	1	5
ARL2400636	Ø50 (4.0) x Ø26 (3.0) x Ø50 (4.0)	1	5
ARL2400646	Ø50 (4.0) x Ø32 (3.0) x Ø50 (4.0)	2	5
ARL2400656	Ø50 (4.0) x Ø40 (3.5) x Ø50 (4.0)	2	5
ARL2400737	Ø63 (4.5) x Ø26 (3.0) x Ø63 (4.5)	1	3
ARL2400747	Ø63 (4.5) x Ø32 (3.0) x Ø63 (4.5)	1	3
ARL2400757	Ø63 (4.5) x Ø40 (3.5) x Ø63 (4.5)	1	3
ARL2400767	Ø63 (4.5) x Ø50 (4.0) x Ø63 (4.5)	1	3

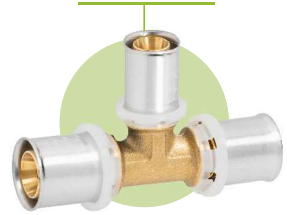
A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
Ø32 (3.0)	Ø26 (3.0)	Ø26 (3.0)	104,50	50
Ø32 (3.0)	Ø26 (3.0)	Ø32 (3.0)	109	50
Ø32 (3.0)	Ø32 (3.0)	Ø25 (2.5)	103,80	54,50
Ø32 (3.0)	Ø32 (3.0)	Ø26 (3.0)	104,50	54,50
Ø40 (3.5)	Ø20 (2.0)	Ø40 (3.5)	118,40	56,70
Ø40 (3.5)	Ø25 (2.5)	Ø40 (3.5)	118,40	56,80
Ø40 (3.5)	Ø26 (3.0)	Ø40 (3.5)	118,40	57,50
Ø40 (3.5)	Ø32 (3.0)	Ø40 (3.5)	118,40	62
Ø50 (4.0)	Ø20 (2.0)	Ø50 (4.0)	147,80	61,70
Ø50 (4.0)	Ø25 (2.5)	Ø50 (4.0)	147,80	61,80
Ø50 (4.0)	Ø26 (3.0)	Ø50 (4.0)	147,80	62,50
Ø50 (4.0)	Ø32 (3.0)	Ø50 (4.0)	147,80	67
Ø50 (4.0)	Ø40 (3.5)	Ø50 (4.0)	147,80	64,20
Ø63 (4.5)	Ø26 (3.0)	Ø63 (4.5)	172	74
Ø63 (4.5)	Ø32 (3.0)	Ø63 (4.5)	172	75,70
Ø63 (4.5)	Ø40 (3.5)	Ø63 (4.5)	172	75,70
Ø63 (4.5)	Ø50 (4.0)	Ø63 (4.5)	172	87,40



APL SERIES

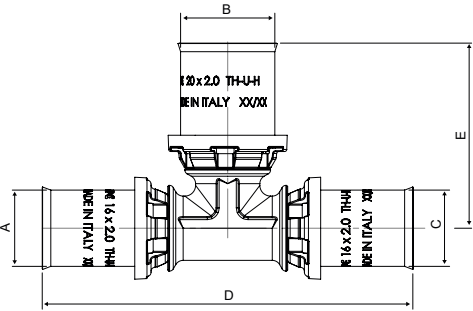
Press fittings for multilayer pipes

REDUCING TEE ART. APL 24



Code	Size	Bag (nr)	Box (nr)
ARL2400121W	Ø16 (2.0) x Ø20 (2.0) x Ø16 (2.0)	10	40
ARL2400211W	Ø20 (2.0) x Ø16 (2.0) x Ø16 (2.0)	10	40
ARL2400212W	Ø20 (2.0) x Ø16 (2.0) x Ø20 (2.0)	10	40
ARL2400221W	Ø20 (2.0) x Ø20 (2.0) x Ø16 (2.0)	10	40
ARL2400311W	Ø26 (3.0) x Ø16 (2.0) x Ø16 (2.0)	5	25
ARL2400313W	Ø26 (3.0) x Ø16 (2.0) x Ø26 (3.0)	5	25
ARL2400322W	Ø26 (3.0) x Ø20 (2.0) x Ø20 (2.0)	5	25
ARL2400323W	Ø26 (3.0) x Ø20 (2.0) x Ø26 (3.0)	5	23
ARL2400332W	Ø26 (3.0) x Ø26 (3.0) x Ø20 (2.0)	5	23
ARL2400424W	Ø32 (3.0) x Ø20 (2.0) x Ø32 (3.0)	5	15

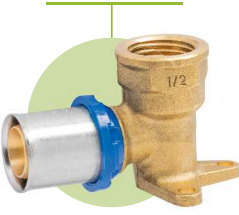
A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
Ø16 (2.0)	Ø20 (2.0)	Ø16 (2.0)	86,60	43,20
Ø20 (2.0)	Ø16 (2.0)	Ø16 (2.0)	86,40	43,30
Ø20 (2.0)	Ø16 (2.0)	Ø20 (2.0)	86,10	43,30
Ø20 (2.0)	Ø20 (2.0)	Ø16 (2.0)	86,50	43,20
Ø26 (3.0)	Ø16 (2.0)	Ø16 (2.0)	93,30	46,30
Ø26 (3.0)	Ø16 (2.0)	Ø26 (3.0)	94	46,30
Ø26 (3.0)	Ø20 (2.0)	Ø20 (2.0)	93,20	46,20
Ø26 (3.0)	Ø20 (2.0)	Ø26 (3.0)	94	46,20
Ø26 (3.0)	Ø26 (3.0)	Ø20 (2.0)	93,20	47
Ø32 (3.0)	Ø20 (2.0)	Ø32 (3.0)	109	49,20



APL SERIES

Press fittings for multilayer pipes

FEMALE ELBOW WITH FLANGE ART. APL 35



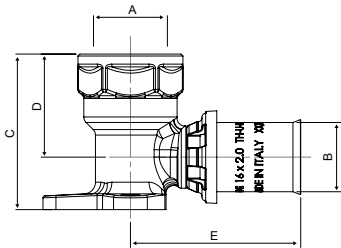
Code	Size	Bag (nr)	Box (nr)
ARL3503100	1/2" x Ø16 (2.0)	5	50
ARL3503800	1/2" x Ø18 (2.0)	5	40
ARL3503200	1/2" x Ø20 (2.0)	5	40
ARL3504200	3/4" x Ø20 (2.0)	5	40

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL3503100	Rp 1/2" ISO 7	Ø16 (2.0)	40	26,5	43,80
ARL3503800	Rp 1/2" ISO 7	Ø18 (2.0)	42	26,5	45,20
ARL3503200	Rp 1/2" ISO 7	Ø20 (2.0)	42	26,5	45,20
ARL3504200	Rp 3/4" ISO 7	Ø20 (2.0)	45	29,5	48,20



Code	Size	Bag (nr)	Box (nr)
ARL3503100W	1/2" x Ø16 (2.0)	5	50
ARL3503200W	1/2" x Ø20 (2.0)	5	40

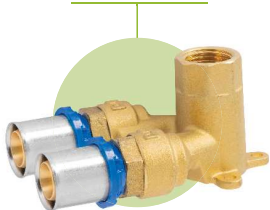
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL3503100W	Rp 1/2" ISO 7	Ø16 (2.0)	40	26,5	43,80
ARL3503200W	Rp 1/2" ISO 7	Ø20 (2.0)	42	26,5	45,20



APL SERIES

Press fittings for multilayer pipes

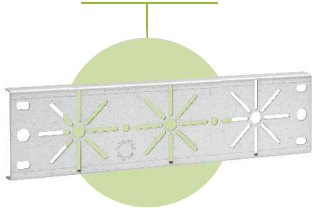
DOUBLE ELBOW WITH FLANGE
ART. APL 37



Code	Size	Bag (nr)	Box (nr)
ARL3703100	1/2" x Ø16 (2.0)	5	15
ARL3703200	1/2" x Ø20 (2.0)	5	15

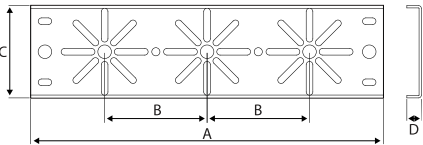
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
ARL3703100	Rp 1/2" ISO 7	Ø16 (2.0)	50	35	76,80	40	CH 26
ARL3703200	Rp 1/2" ISO 7	Ø20 (2.0)	50	35	76,70	40	CH 26

PLATE FOR TAP CONNECTOR
ART. APL 35-37



Code	Size	Bag (nr)	Box (nr)
3AP493001	Staffa con interasse 153/76,5	10	20

Code	A (mm)	B (mm)	C (mm)	D (mm)
3AP493001	260	75,50	68	10,70



APL SERIES

Press fittings for multilayer pipes

BUILT-IN BALL VALVE
ART. APL 60



Code	Size	Bag (nr)	Box (nr)
ARL6000110	Ø16 (2.0) x Ø16 (2.0)	2	12
ARL6000220	Ø20 (2.0) x Ø20 (2.0)	2	10

Ricambi			
3AP136CON-C	Cappuccio con rosone	1	40
3AP136PR12C	Prolunga 24,5 mm	1	150
3AP136VIT-C	Vitone 1/2"	1	10

Code	A (mm)	B (mm)	C _{Min} (mm)	C _{Max} (mm)	D (mm)	E (mm)
ARL6000110	Ø16 (2.0)	100,60	27,50	63,49	77,20	Ø69
ARL6000220	Ø20 (2.0)	100,40	27,50	63,49	77,20	Ø69

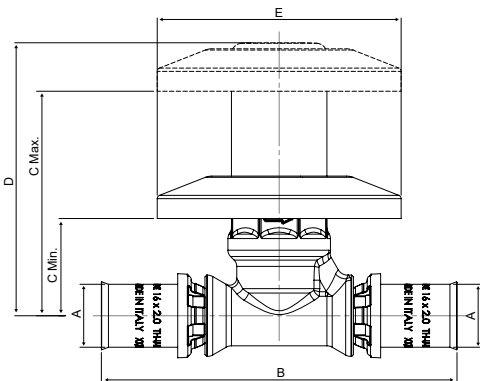
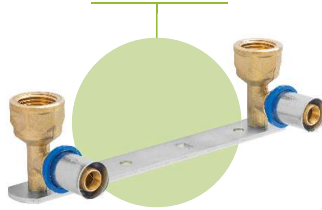
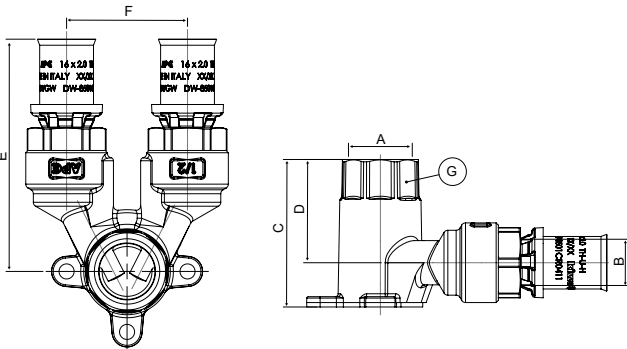
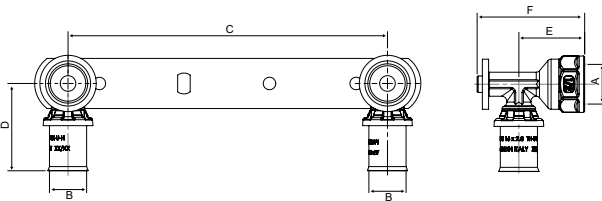


PLATE WITH TWO FEMALE ELBOWS
ART. APL 38



Code	Size	Bag (nr)	Box (nr)
ARL3803100	1/2" x Ø16 (2.0)	2	10
ARL3803200	1/2" x Ø20 (2.0)	2	

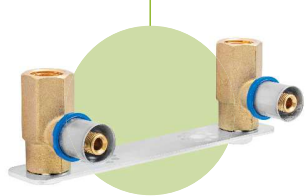
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
ARL3803100	Rp 1/2" ISO 7	Ø16 (2.0)	153	41,8	31,5	51,5
ARL3803200	Rp 1/2" ISO 7	Ø20 (2.0)				



APL SERIES

Press fittings for multilayer pipes

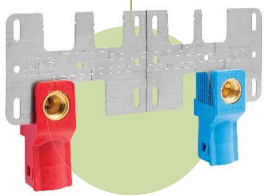
PLATE WITH TWO FEMALE
TAP CONNECTOR
ART. APL 50



Code	Size	Bag (nr)	Box (nr)
ARL5003100	1/2" ISO7 x Ø16 (2.0)	1	10

Code	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	F (mm)	G (mm)
ARL5003100	1/2" ISO7	Ø16 (2.0)	153	80	47.30	33	56	27

WALL BOX SET
ART. APL 36



Code	Size	Bag (nr)	Box (nr)
ARL3603100	1/2" x Ø16 (2.0)	1	2
ARL3603200	1/2" x Ø20 (2.0)	1	2

Code	A (mm)	B (mm)	C _{min} (mm)	C _{max} (mm)
ARL3603100	1/2" ISO 228	Ø16 (2.0)	6	34
ARL3603200	1/2" ISO 228	Ø20 (2.0)	6	34

APL SERIES

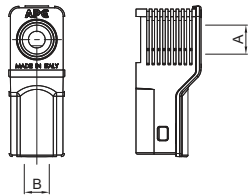
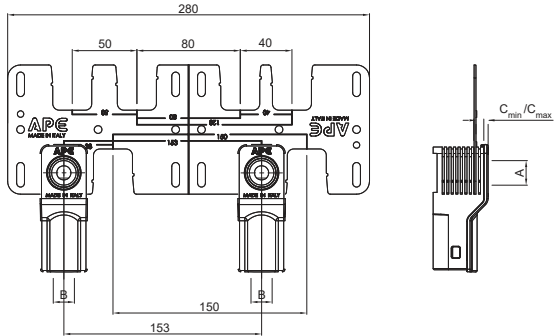
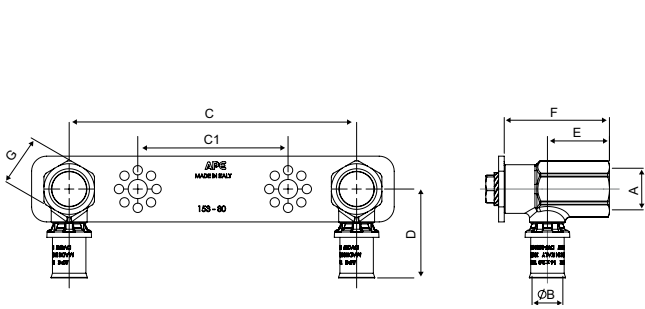
Press fittings for multilayer pipes

SINGLE WALL BOX
ART. APL 36B



Code	Size	Bag (nr)	Box (nr)
ARL3603100B	1/2" x Ø16 (2.0)	1	6
ARL3603200B	1/2" x Ø20 (2.0)	1	6

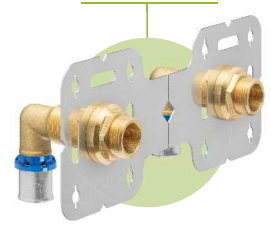
Code	A (mm)	B (mm)
ARL3603100B	1/2" ISO 228	Ø16 (2.0)
ARL3603200B	1/2" ISO 228	Ø20 (2.0)



APL SERIES

Press fittings for multilayer pipes

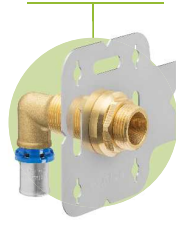
DOUBLE DRYWALL BOX SET
ART. APL 63



Code	Size	Bag (nr)	Box (nr)
ARL6354101	3/4" x Ø16 (2.0)	1	3
ARL6354202	3/4" x Ø20 (2.0)	1	3

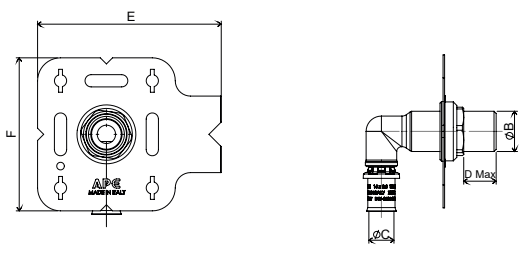
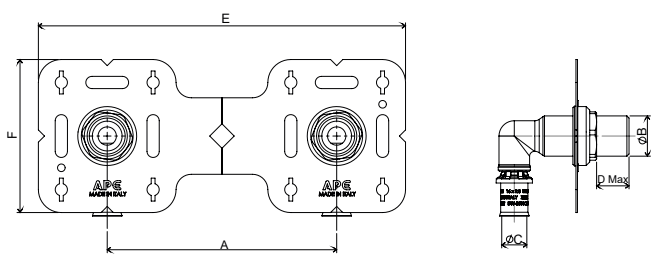
Code	A (mm)	B (mm)	C (mm)	D Max (mm)	E (mm)	F (mm)
ARL6354101	150	3/4" ISO 228	Ø16 (2.0)	35	240	100
ARL6354202	150	3/4" ISO 228	Ø20 (2.0)	35	240	100

SINGLE DRYWALL BOX SET
ART. APL 63



Code	Size	Bag (nr)	Box (nr)
ARL6354100	3/4" x Ø16 (2.0)	1	6

Code	B (mm)	C (mm)	D Max (mm)	E (mm)	F (mm)
ARL6354100	3/4" ISO 228	Ø16 (2.0)	35	240	100



APL SERIES

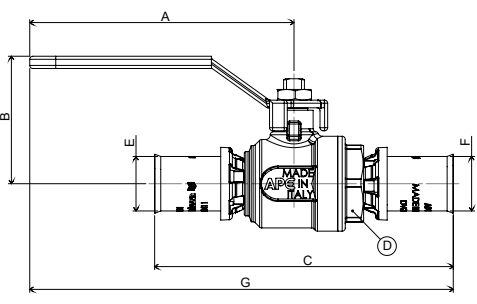
Press fittings for multilayer pipes

HANDLE BALL VALVE
ART. APL 61L

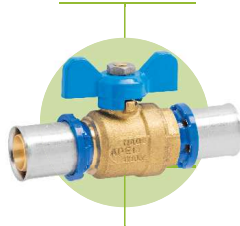


Code	Size	Bag (nr)	Box (nr)
ARL6153110LB	Ø16 (2.0) x Ø16 (2.0)	10	20
ARL6153220LB	Ø20 (2.0) x Ø20 (2.0)	10	20
ARL6153990LB	Ø25 (2.5) x Ø25 (2.5)	5	15
ARL6153330LB	Ø26 (3.0) x Ø26 (3.0)	5	15
ARL6153440LB	Ø32 (3.0) x Ø32 (3.0)	5	10

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
ARL6153110LB	86,40	41,70	97,60	CH 28	Ø16 (2.0)	Ø16 (2.0)	138,40
ARL6153220LB	86,40	41,70	97,40	CH 28	Ø20 (2.0)	Ø20 (2.0)	138,30
ARL6153990LB	113,36	52,40	102,60	CH 31	Ø25 (2.5)	Ø25 (2.5)	169,74
ARL6153330LB	113,36	52,40	104	CH 31	Ø26 (3.0)	Ø26 (3.0)	169,74
ARL6153440LB	113,36	52,40	111	CH 31	Ø32 (3.0)	Ø32 (3.0)	174,23

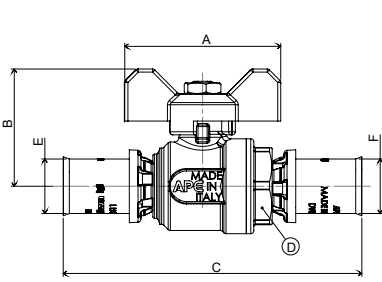


BUTTERFLY BALL VALVE
ART. APL 61F



Code	Size	Bag (nr)	Box (nr)
ARL6153110FB	Ø16 (2.0) x Ø16 (2.0)	10	20
ARL6153220FB	Ø20 (2.0) x Ø20 (2.0)	10	20
ARL6153990FB	Ø25 (2.5) x Ø25 (2.5)	5	15
ARL6153330FB	Ø26 (3.0) x Ø26 (3.0)	5	15
ARL6153440FB	Ø32 (3.0) x Ø32 (3.0)	5	10

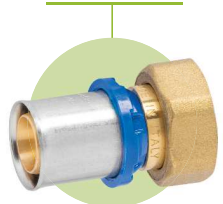
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
ARL6153110FB	51	38,30	97,60	CH 28	Ø16 (2.0)	Ø16 (2.0)
ARL6153220FB	51	38,30	97,40	CH 28	Ø20 (2.0)	Ø20 (2.0)
ARL6153990FB	65	48,46	102,60	CH 31	Ø25 (2.5)	Ø25 (2.5)
ARL6153330FB	65	48,46	104	CH 31	Ø26 (3.0)	Ø26 (3.0)
ARL6153440FB	65	48,46	111	CH 31	Ø32 (3.0)	Ø32 (3.0)



APL SERIES

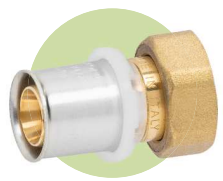
Press fittings for multilayer pipes

STRAIGHT FITTING WITH ROTATING NUT
ART. APL 70



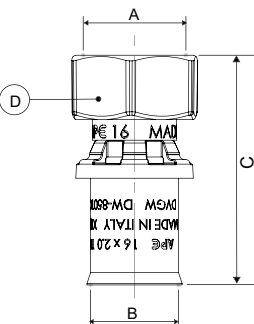
Code	Size	Bag (nr)	Box (nr)
ARL7052100	3/8" x Ø16 (2.0)	10	120
ARL7053100	1/2" x Ø16 (2.0)	10	100
ARL7053200	1/2" x Ø20 (2.0)	5	70
ARL7054100	3/4" x Ø16 (2.0)	10	100
ARL7054200	3/4" x Ø20 (2.0)	5	60
ARL7054900	3/4" x Ø25 (2.5)	5	60
ARL7054300	3/4" x Ø26 (3.0)	5	60
ARL7060900	1" x Ø25 (2.5)	5	75
ARL7060300	1" x Ø26 (3.0)	5	50
ARL7060400	1" x Ø32 (3.0)	5	40
ARL7061500	1"1/4 x Ø40 (3.5)	1	20
ARL7062500	1"1/2 x Ø40 (3.5)	1	20
ARL7062600	1"1/2 x Ø50 (4.0)	1	15
ARL7070600	2" x Ø50 (4.0)	1	12
ARL7070700	2" x Ø63 (4.5)	1	10

Complete with flat and conical gasket



Code	Size	Bag (nr)	Box (nr)
ARL7052100W	3/8" x Ø16 (2.0)	10	120
ARL7053100W	1/2" x Ø16 (2.0)	10	100
ARL7053200W	1/2" x Ø20 (2.0)	5	70
ARL7054100W	3/4" x Ø16 (2.0)	10	100
ARL7054200W	3/4" x Ø20 (2.0)	5	60

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL7052100	3/8" ISO 228	Ø16 (2.0)	51,67	CH 19
ARL7053100	1/2" ISO 228	Ø16 (2.0)	46,50	CH 25
ARL7053200	1/2" ISO 228	Ø20 (2.0)	54,44	CH 25
ARL7054100	3/4" ISO 228	Ø16 (2.0)	46,50	CH 30
ARL7054200	3/4" ISO 228	Ø20 (2.0)	46,40	CH 30
ARL7054900	3/4" ISO 228	Ø25 (2.5)	55,36	CH 30
ARL7054300	3/4" ISO 228	Ø26 (3.0)	56,06	CH 30
ARL7060900	1" ISO 228	Ø25 (2.5)	54	CH 37
ARL7060300	1" ISO 228	Ø26 (3.0)	54,70	CH 37
ARL7060400	1" ISO 228	Ø32 (3.0)	62,84	CH 37
ARL7061500	1"1/4 ISO 228	Ø40 (3.5)	65,85	CH 46
ARL7062500	1"1/2 ISO 228	Ø40 (3.5)	59,70	CH 51
ARL7062600	1"1/2 ISO 228	Ø50 (4.0)	77,48	CH 51
ARL7070600	2" ISO 228	Ø50 (4.0)	79,40	CH 65
ARL7070700	2" ISO 228	Ø63 (4.5)	87,10	CH 65



APL SERIES

Press fittings for multilayer pipes

ELBOW FITTING WITH ROTATING NUT
ART. APL 72



Code	Size	Bag (nr)	Box (nr)
ARL7253100	1/2" x Ø16 (2.0)	10	80
ARL7253200	1/2" x Ø20 (2.0)	10	80
ARL7254100	3/4" x Ø16 (2.0)	10	70
ARL7254200	3/4" x Ø20 (2.0)	10	70
ARL7254300	3/4" x Ø26 (3.0)	5	40
ARL7260300	1" x Ø26 (3.0)	5	35
ARL7260400	1" x Ø32 (3.0)	5	25

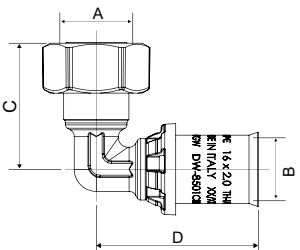
Complete with flat and conical gasket.

Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL7253100	G1/2" ISO 228	Ø16 (2.0)	32,85	42,30
ARL7253200	G1/2" ISO 228	Ø20 (2.0)	43,20	38,46
ARL7254100	G3/4" ISO 228	Ø16 (2.0)	43,30	34,59
ARL7254200	G3/4" ISO 228	Ø20 (2.0)	43,20	34,59
ARL7254300	G3/4" ISO 228	Ø26 (3.0)	47,0	34,60
ARL7260300	G1" ISO 228	Ø26 (3.0)	47,0	41,66
ARL7260400	G1" ISO 228	Ø32 (3.0)	54,5	44,24



Code	Size	Bag (nr)	Box (nr)
ARL7253100W	1/2" x Ø16 (2.0)	10	80
ARL7253200W	1/2" x Ø20 (2.0)	10	80
ARL7254100W	3/4" x Ø16 (2.0)	10	70
ARL7254200W	3/4" x Ø20 (2.0)	10	70

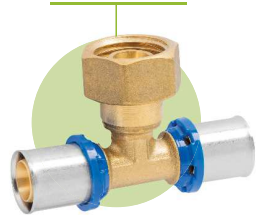
Code	A (mm)	B (mm)	C (mm)	D (mm)
ARL7253100W	G1/2" ISO 228	Ø16 (2.0)	33,85	42,30
ARL7253200W	G1/2" ISO 228	Ø20 (2.0)	43,20	38,48
ARL7254100W	G3/4" ISO 228	Ø16 (2.0)	43,30	34,59
ARL7254200W	G3/4" ISO 228	Ø20 (2.0)	43,20	34,62



APL SERIES

Press fittings for multilayer pipes

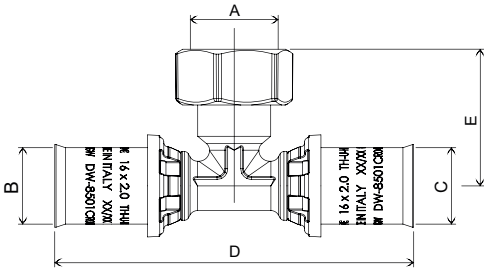
TEE FITTING WITH ROTATING NUT
ART. APL 73



Code	Size	Bag (nr)	Box (nr)
ARL7353101	1/2" x Ø16 (2.0)	10	60
ARL7353202	1/2" x Ø20 (2.0)	10	50

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL7353101	G1/2" ISO 228	Ø16 (2.0)	Ø16 (2.0)	83,60	31,85
ARL7353202	G1/2" ISO 228	Ø20 (2.0)	Ø20 (2.0)	86,40	32,83

Complete with flat and conical gasket

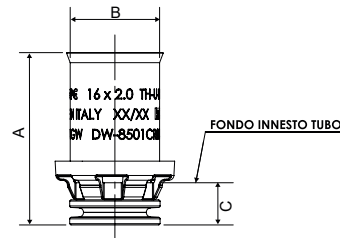


PLUG TEST SYSTEM
ART. APL 71



Code	Size	Bag (nr)	Box (nr)
ARL7100100	Ø16 (2.0)	10	200
ARL7100800	Ø18 (2.0)	10	150
ARL7100200	Ø20 (2.0)	10	150
ARL7100900	Ø25 (2.5)	5	60
ARL7100300	Ø26 (3.0)	5	60
ARL7100400	Ø32 (3.0)	5	50

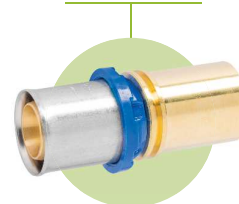
Code	A (mm)	B (mm)	C (mm)
ARL7100100	34,30	Ø16 (2.0)	8,40
ARL7100800	34,20	Ø18 (2.0)	8,40
ARL7100200	34,20	Ø20 (2.0)	8,40
ARL7100900	34,30	Ø25 (2.5)	8,50
ARL7100300	35,00	Ø26 (2.0)	8,50
ARL7100400	39,50	Ø32 (2.0)	8,50



APL SERIES

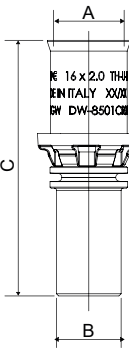
Press fittings for multilayer pipes

STRAIGHT ADAPTER MULTILAYER
PIPE/SOLDERING COPPER PIPE
ART. APL 15

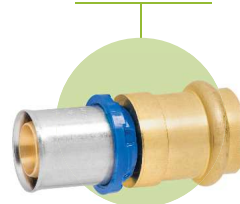


Code	Size	Bag (nr)	Box (nr)
ARL1500912	Ø16 (2.0) x Ø15	10	120
ARL1500913	Ø20 (2.0) x Ø15	10	100
ARL1500914	Ø20 (2.0) x Ø22	10	100
ARL1500915	Ø26 (3.0) x Ø22	5	50
ARL1500916	Ø26 (3.0) x Ø28	5	50
ARL1500917	Ø32 (3.0) x Ø28	5	30

Code	A (mm)	B (mm)	C (mm)
ARL1500912	Ø16 (2.0)	Ø15	59,30
ARL1500913	Ø20 (2.0)	Ø15	59,20
ARL1500914	Ø20 (2.0)	Ø22	65,20
ARL1500915	Ø26 (3.0)	Ø22	66
ARL1500916	Ø26 (3.0)	Ø28	66
ARL1500917	Ø32 (3.0)	Ø28	79,50

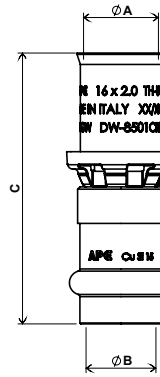


STRAIGHT ADAPTER MULTILAYER
PIPE/PRESS COPPER PIPE
ART. APL 16



Code	Size	Bag (nr)	Box (nr)
ARL1600912	Ø16 (2.0) x Ø15	10	100
ARL1600913	Ø20 (2.0) x Ø15	10	90
ARL1600914	Ø20 (2.0) x Ø22	10	80
ARL1600915	Ø26 (3.0) x Ø22	5	60

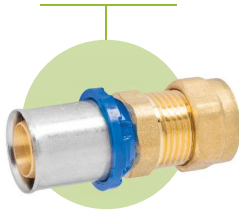
Code	A (mm)	B (mm)	C (mm)
ARL1600912	Ø16 x 2.0	Ø15,3	59,30
ARL1600913	Ø20 x 2.0	Ø15,3	59,20
ARL1600914	Ø20 x 2.0	Ø22,3	62,70
ARL1600915	Ø26 x 3.0	Ø22,3	63,50



APL SERIES

Press fittings for multilayer pipes

STRAIGHT ADAPTER MULTILAYER
PIPE/COMPRESSION COPPER PIPE
ART. APL 14



Code	Size	Bag (nr)	Box (nr)
ARL1453100	Ø16 (2.0) x Ø15	10	100
ARL1453200	Ø20 (2.0) x Ø15	10	60
ARL1490200	Ø20 (2.0) x Ø22	10	50

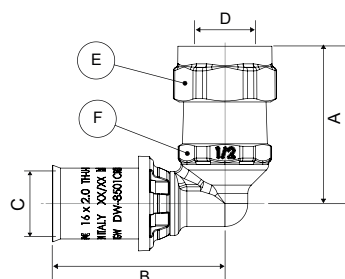
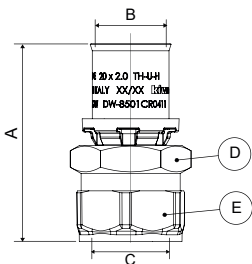
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL1453100	61,31	Ø16 (2.0)	Ø15	CH 22	CH 24
ARL1453200	61,21	Ø20 (2.0)	Ø15	CH 22	CH 24
ARL1490200	56,68	Ø20 (2.0)	Ø22	CH 30	CH 30

ELBOW ADAPTER MULTILAYER
PIPE/COMPRESSION COPPER PIPE
ART. APL 40



Code	Size	Bag (nr)	Box (nr)
ARL4053100	Ø16 (2.0) x Ø15	10	80
ARL4053200	Ø20 (2.0) x Ø15	10	60
ARL4090200	Ø20 (2.0) x Ø22	10	50

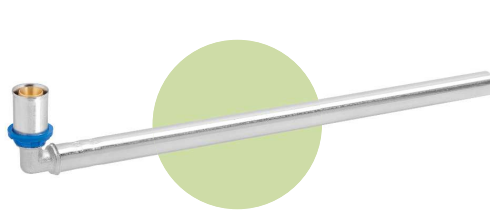
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
ARL4053100	39,51	43,30	Ø16 (2.0)	Ø15	CH 24	CH 22
ARL4053200	41,51	44,20	Ø20 (2.0)	Ø15	CH 24	CH 22
ARL4090200	40,98	44,60	Ø20 (2.0)	Ø22	CH 30	--



SERIE APL

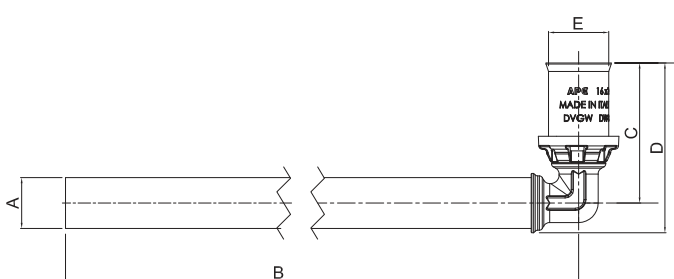
Raccordi a pressione per tubo multistrato

ELBOW COPPER EXTENSION
ART. APL 33



Code	Size	Bag (nr)	Box (nr)
ARL3300001	Ø16 (2.0) x Ø15	10	40

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ARL3300001	Ø15	300	41,30	50,10	Ø16 (2.0)

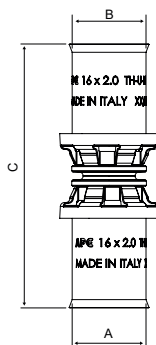


STRAIGHT ADAPTER MULTILAYER
PIPE/PRESS PEX
ART. APL 17



Code	Size	Bag (nr)	Box (nr)
ARL1700110	Ø16 (2.0) x Ø16 (1.5)	10	100
ARL1700210	Ø20 (2.0) x Ø16 (1.5)	10	90
ARL1700220	Ø20 (2.0) x Ø20 (2.0)	10	90

Code	A (mm)	B (mm)	C (mm)
ARL1700110	Ø16 (1.5) PEX-AL-PEX	Ø16 (1.5) PEX	63,60
ARL1700210	Ø20 (2.0) PEX-AL-PEX	Ø16 (1.5) PEX	63,50
ARL1700220	Ø20 (2.0) PEX-AL-PEX	Ø20 (2.0) PEX	63,50



TOOLS



Code	Description
URL3000100	TH Ø 16 pressing jaw
URL3000150	TH Ø 18 pressing jaw
URL3000200	TH Ø 20 pressing jaw
URL3000250	TH Ø 25 pressing jaw
URL3000300	TH Ø 26 pressing jaw
URL3000400	TH Ø 32 pressing jaw
URL3000500	TH Ø 40 pressing jaw
URL3000600	TH Ø 50 pressing jaw



Code	Description
URL3111700	TH Ø 63 pressing chain



Code	Description
UTM5010001	Handle for calibrator



Code	Description
UTM5020100	16x2.0 deburrer
UTM5020150	18x2.0 deburrer
UTM5020200	20x2.0 deburrer
UTM5020250	25x2.5 deburrer
UTM5030300	26x3.0 deburrer
UTM5030400	32x3.0 deburrer
UTM5035500	40x3.5 deburrer
UTM5040600	50x4.0 deburrer
UTM5045700	63x4.5 deburrer



Code	Description
UTM5010002	Case for calibrator

TECHNICAL SPECIFICATIONS

APL SERIES



INTRODUZIONE

The press fittings series APL, conforming to UNI EN ISO 21003-3, UNI EN 1254-3 and to Ministerial Decree 174, are designed and produced to increase their sealing characteristics and reduce installation times, thus assisting plumbers in system assembly.

Provided with double O-Ring seals and with a polyamide lock-ring supporting the pipe sleeve, these fitting are used in sanitary water and heating systems and are available in a range of types and sizes from Ø 16 mm to Ø 63 mm.

The APL press coupling system has been developed to reach the highest safety level during installation; fittings that are not tight will leak during pressure testing (at up to a test pressure of 6 bar) and can be immediately identified. The seal between pipe and fitting is guaranteed by the profile of the press fitting and by the presence of two O-Rings [2] positioned in the fitting itself. Using a pressing unit with suitable jaws [see the notes below on pressing profiles] the fitting [4] is permanently deformed and the pressing force in turn deforms the multi-layer pipe onto the specific profile.



The lock-ring [3] has inspection slots that allow to check the correct coupling between pipe and fitting. The thickness of the lock-ring is such as to support high pressures even in the presence of large temperature changes. This ring is in steel type AISI 304 which has been subjected to a further solubilisation treatment for stress relief and to avoid uneven stress developing in time; this heat treatment cancels the stress memory of the material, avoiding any future cracks and leaks.

The presence of the ring [3] insulates the aluminum layer of the pipe from the brass body of the fittings, thus avoiding electro-chemical corrosion effects

N.	Description	Materials and conformity
1	Body	Brass CW617N Conforms to UNI EN 12164; UNI EN 12165; UNI EN 12168
2	O-ring	Peroxide-cured EPDM 70 SCH Conforms to EN 681.1
3	Pipe lock-ring support	B2800 (polyamide)
4	Lock-ring sleeve	Steel AISI 304 Conforms to UNI EN 10088-2

Differing from fittings to be tightened, the coupling in press fittings has the special characteristic of being **immovable**: this means that the APL fitting, when compressed correctly, undergoes a permanent deformation that guarantees long-term sealing. For this reason, press fittings are the only type of coupling that can be used and guaranteed in embedded systems.

TECHNICAL SPECIFICATIONS

Field of application	Heating and hot water systems
Fluids carried	Drinking water, water for technical purposes and water containing glycol
Temperature range	from 5 °C to 80 °C
Operating pressure:	max 10 bar
Type of pipe:	Multilayer PE-Xb/AL/PE-Xb (compliant with UNI 21003)

** if operating temperatures below 5°C are required, use glycol in the percentages indicated by the supplier.*

The AP tube fitting system has been certified by the following bodies: **KIWA** K94485, **DVGW** DW-8501CR0411, **WRAS** 1906357, **ATG** 3212, **AFNOR** n° 101160 holder 045, **AENOR** 001/007418, **KOMO** K25301.

PRESS PROFILES

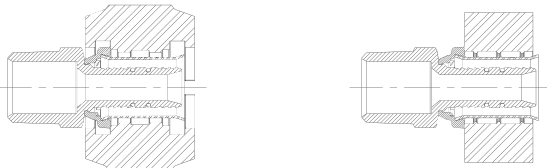
AP series fittings can be installed using different press profiles (TH, H, B, and U). The use of tools with appropriate press profiles is fundamental to ensure perfect coupling between the pipe and the fitting, guaranteeing the best system performance.

The table below lists the crimping profiles to be used for the various diameters:

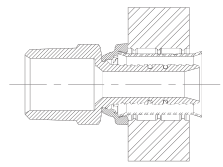
Diameter	Crimping profile		
Ø16 (2.0)	TH	H	U
Ø18 (2.0)	TH	H	U
Ø20 (2.0)	TH	H	U
Ø25 (2.0)	TH	H	
Ø26 (3.0)	TH	H	
Ø32 (3.0)	TH	H	
Ø40 (3.5)	TH		
Ø50 (4.0)	TH		
Ø63 (4.5)	TH		

The illustrations below show the correct position for the crimping tool in relation to the profile: crimping must take place at the correct position with respect to the O-rings, in order to ensure the fitting's tightness.

TH: Ø16 - Ø18 - Ø20 - Ø25 - Ø26 - Ø32 - Ø40 - Ø50 - Ø63 **H: Ø16 - Ø18 - Ø20 - Ø25 - Ø26 - Ø32**



U: Ø16 - Ø18 - Ø20



- Before proceeding to crimp the fittings, always:
1. Ensure that you have chosen the correct crimping tool for the fitting. If the wrong tool, or a tool that does not correspond to the diameter of the pipe (e.g. use of Ø25 on sleeve Ø26) is used, the fitting will never provide a tight seal.
 2. Ensure that the crimping tool profile is correct, referring to the table above.
 3. Choose original profiles (e.g. REMS tool with KLAU-KE jaws or vice-versa): profiles do not always work properly when not used with the original tool.
 4. Ensure that the crimping tool profile is not damaged, that the tool is not faulty or worn and that the tool lever springs are not broken or faulty.
 5. When using a battery operated crimping tool, check that the battery charge is sufficient for effective crimping.



INSTALLATION INSTRUCTIONS

APL SERIES



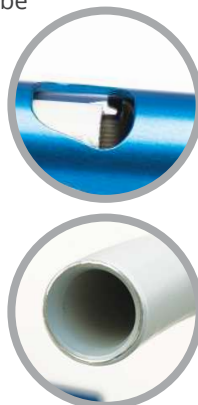
In order to achieve a perfect joint between the pipe and the fitting, we recommend that you carefully follow the following assembly instructions.

CUT

Cut the pipe to the desired length using Ape's special pipe cutter. The cut must be perpendicular to the axis of the pipe.

CALIBRATION AND COUNTERSINKING

This is the most important operation to be performed before inserting the hose barb into the pipe. Insert the pipe calibrator into the pipe and turn it several times until obtaining a perfectly rounded circle. In the meantime the calibrator countersinks the edge of the pipe reshaping it into a truncated cone as a result of the action of three cutters arranged at 120° at the base of the calibrator. Once the pipe is calibrated and flared remove the shavings that formed as a result of these operations. Before using the calibrators check that they are perfectly intact and functional.



1



2



3



LUBRICATION

Before inserting the pipe into the hose fitting, it is strictly necessary to lubricate the inner pipe edge by applying a special silicone-based solution. The lubricant has the dual function of facilitating the pipe insertion and preserving the O-rings over time, protecting them against cuts and/or removal which would compromise their sealing capacity.

4



INSTALLATION

Insert the pipe into the fitting and, through the inspection holes, make sure that the pipe has been inserted fully. This operation must be done with no effort, otherwise remove and check the fitting to verify the integrity of the O-rings.

5



PRESSING

Once the pipe is inserted into the fitting the bush must be pressed using the special press equipped with the special jaw or inserts. Ape presses have an end stop which triggers the press to reopen when it is reached. At the end of the operation check that the imprint on the bush is uniform and that the margins of the jaw are aligned.

Note: Any press can be used provided that it is equipped with jaws that are consistent with the profile of the AP series parts (see table).

Warning: the pipe connected to the fitting must not be folded.





APE RACCORDERIE S.R.L.

HEAD OFFICE

Via Guido Gozzano 8, - 25068 - Ponte Zanano - Sarezzo (BS) - Tel: +39 0308920912
ape-raccorderie.com - info@ape-raccorderie.com

WAREHOUSE

Via Salvella, 20/22 - 25038 - Rovato (BS)

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