

OHO® STAINLESS STEEL PRESS FITTINGS

OHO PRESS FITTINGS ADVANTAGES

Convenient, Easy and Speedy

No brazing, soldering or threading. Simply measure, fit-in, and join the tube and fitting by using press tools. Installation is done in fraction of the time taken using conventional methods.



Clean and Safer Installation

No flame, flammable gases and fluxes resulting in a much cleaner, safer work place and condition.

Consistency in Joints

Irregularity on tube and fitting connection is often found in conventional brazing or soldering method. By using press tools, equal amount of force is delivered when joining fitting and tube. This provides the desired consistency in leak-free and secure connection.

Clean and Neat Appearance

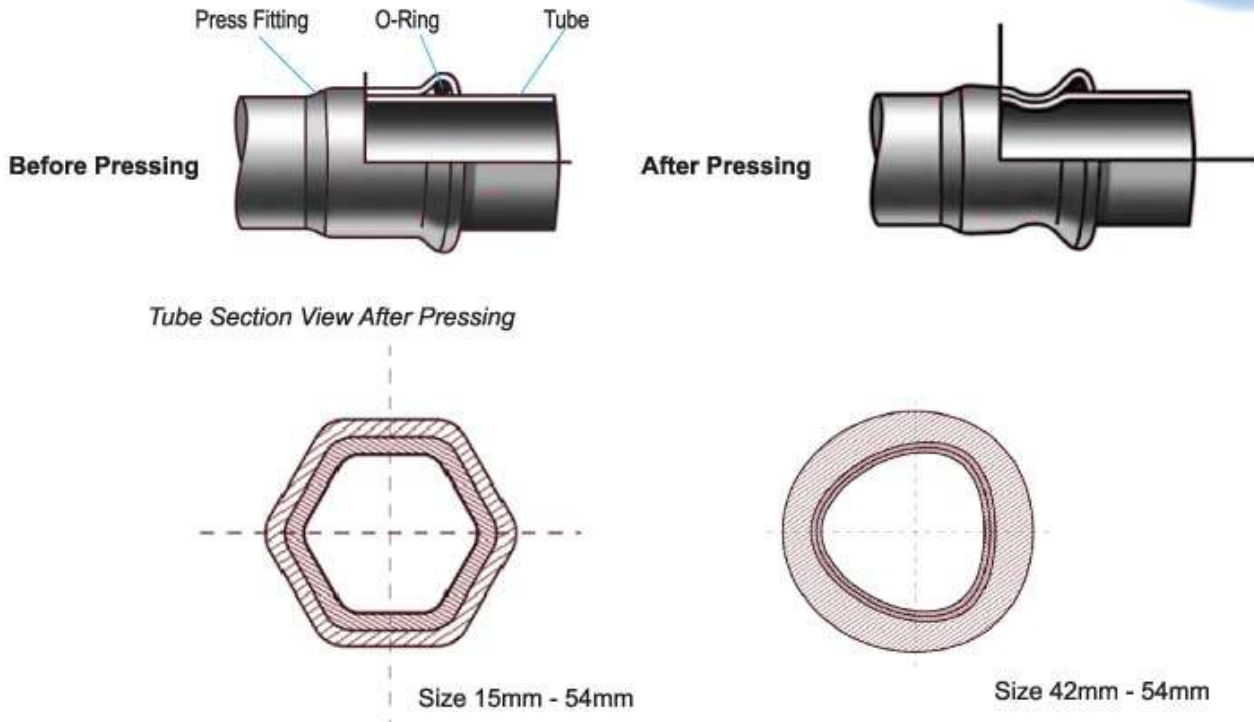
Precise, tidy and speedy installation is achievable. With OHO press fittings, creating clean joints and connections without the mess of excess solder or discoloration are feasible, further boosting your professionalism on every job.

STAINLESS STEEL MATERIAL ADVANTAGES

- Excellent corrosion resistance properties
- Good strength and ductility
- Hygienic
- Aesthetic appearance
- Fully recyclable
- Total life cycle costs savings
- Excellent durability

OHO® PRESS FITTING JOINING CONCEPT

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The stainless steel press fitting has a special ends which consists of U-shaped grooves and O-shaped seal rings. Using press tool to secure connection - the end of tube and press fitting are compressed and fitted together to be in hexagonal shape or 'triangle-oval' shape. This provides ample strength for fitting and excellent seal properties as the sealing ring is compressed.

SPECIFICATIONS OF OHO STAINLESS STEEL PRESS FITTINGS

Material	Stainless steel grade SS304 (standard stock) & SS316 EPDM rubber grade O-ring or upon specification request
Pressure Rating	16 bar to BS EN 1254-2
Operating Temperature	-20°C to 120°C
Suitable Tube	BS EN 10312 Stainless Steel Tube BS EN 1057 Copper Tube
Applications	Potable water services General hot and cold water applications

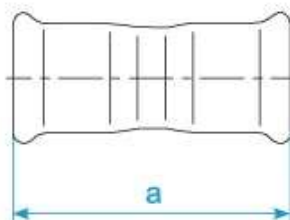
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OHO® PRESS FITTING DIMENSIONS

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Coupling

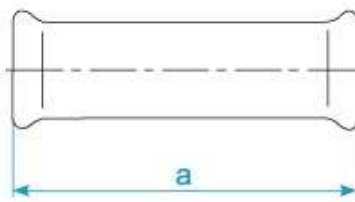
Size mm	a mm	Model No.
15	48	30101
22	50	30102
28	54	30103
35	62	30104
42	71	30105
54	83	30106



Coupling

Sleeve Coupling

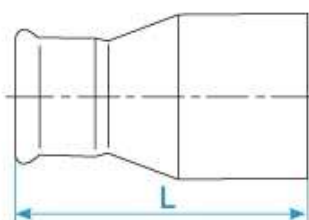
Size mm	a mm	Model No.
15	80	30201
22	84	30202
28	91	30203
35	102	30204
42	120	30205
54	140	30206



Sleeve Coupling

Fitting Reducer

Size mm	L mm	Model No.
22 x 15	59	30301
28 x 15	66	30302
28 x 22	57	30303
35 x 15	73	30304
35 x 22	71	30305
35 x 28	68	30306
42 x 15	81	30307
42 x 22	79	30308
42 x 28	79	30309
42 x 35	72	30310
54 x 15	97	30311
54 x 28	95	30312
54 x 35	95	30313
54 x 42	89	30314



Fitting Reducer

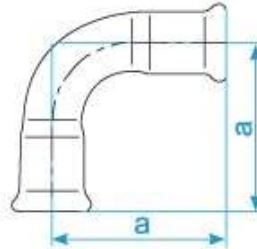
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OHO® PRESS FITTING DIMENSIONS

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90° Elbow

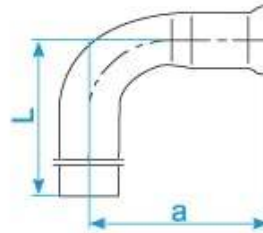
Size mm	a mm	Model No.
15	49	30401
22	61	30402
28	72	30403
35	86	30404
42	112	30405
54	138	30406



90° Elbow

90° Elbow with Plain End

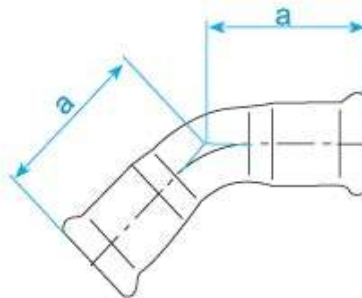
Size mm	a mm	L mm	Model No.
15	55	55	30501
22	67	67	30502
28	78	78	30503
35	130	130	30504
42	176	176	30505
54	211	211	30506



90° Elbow with Plain End

45° Elbow

Size mm	a mm	Model No.
15	36	30601
22	42	30602
28	48	30603
35	55	30604
42	65	30605
54	78	30606



45° Elbow

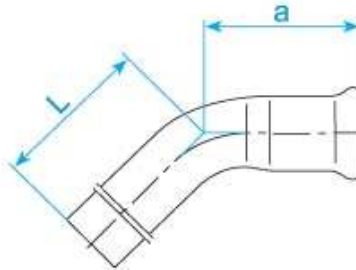
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OHO® PRESS FITTING DIMENSIONS

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45° Elbow with Plain End

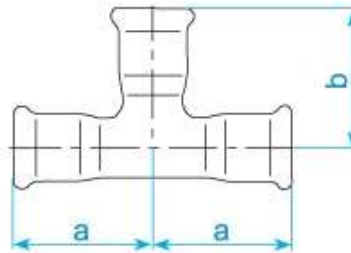
Size mm	a mm	L mm	Model No.
15	36	41	30701
22	42	48	30702
28	48	54	30703
35	55	81	30704
42	65	99	30705
54	78	127	30706



45° Elbow with Plain End

Equal Tee

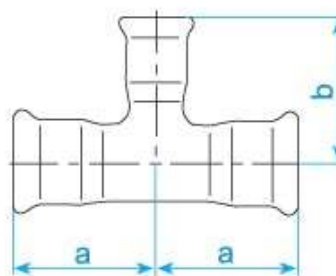
Size mm	a mm	b mm	Model No.
15	32	39	30801
22	37	45	30802
28	42	52	30803
35	50	58	30804
42	57	63	30805
54	69	78	30806



Equal Tee

Reducing Tee

Size mm	a mm	b mm	Model No.
22 x 15 x 22	37	43	30901
28 x 15 x 28	42	45	30902
28 x 22 x 28	42	47	30903
35 x 15 x 35	50	49	30904
35 x 22 x 35	50	51	30905
35 x 28 x 35	50	52	30906
42 x 22 x 42	57	53	30907
42 x 28 x 42	57	56	30908
42 x 35 x 42	57	61	30909
54 x 22 x 54	69	59	30910
54 x 28 x 54	69	64	30911
54 x 35 x 54	69	67	30912
54 x 42 x 54	69	70	30913



Reducing Tee

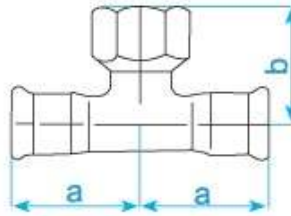
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Female Branch Tee

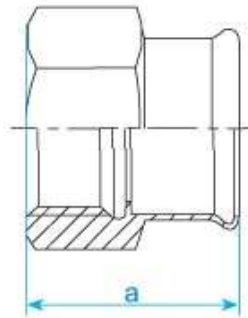
Size mm x inch x mm	a mm	b mm	Model No.
15 x 1/2" x 15	32	37	31001
22 x 1/2" x 22	37	38.50	31002
22 x 3/4" x 22	37	44.50	31003
28 x 1/2" x 28	42	42.50	31004
28 x 3/4" x 28	42	48	31005
35 x 1/2" x 35	50	46.50	31006
35 x 3/4" x 35	50	53	31007
42 x 1/2" x 42	57	49.50	31008
42 x 3/4" x 42	57	56	31009
54 x 1/2" x 54	69	55.50	31010
54 x 3/4" x 54	69	62	31011
54 x 2" x 54	69	72	31012



Female Branch Tee

Female Adaptor

Size mm x inch	a mm	Model No.
15 x 1/2"	37	31101
15 x 3/4"	38	31102
22 x 1/2"	36	31103
22 x 3/4"	38	31104
22 x 1"	42	31105
28 x 1/2"	38	31106
28 x 3/4"	39	31107
28 x 1"	44	31108
28 x 1 1/4"	46	31109
35 x 1"	45	31110
35 x 1 1/4"	49	31111
35 x 1 1/2"	49	31112
42 x 1 1/4"	51	31113
42 x 1 1/2"	53	31114
54 x 1 1/2"	58	31115
54 x 2"	62	31116



Female Adaptor

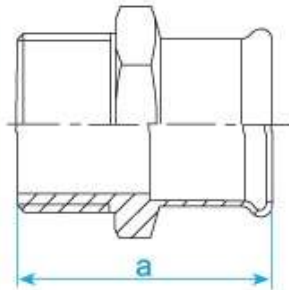
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OHO® PRESS FITTING DIMENSIONS

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Male Adaptor

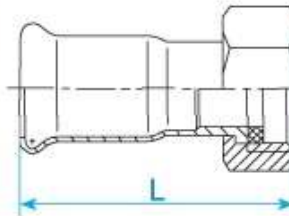
Size mm x inch	a mm	Model No.
15 x ½"	41	31201
15 x ¾"	43	31202
22 x ½"	42	31203
22 x ¾"	44	31204
22 x 1"	46	31205
28 x ¾"	46	31206
28 x 1"	48	31207
28 x 1¼"	48	31208
35 x 1"	51	31209
35 x 1¼"	53	31210
35 x 1½"	53	31211
42 x 1¼"	57	31212
42 x 1½"	57	31213
54 x 1½"	62	31214
54 x 2"	71	31215



Male Adaptor

Union Adaptor with Female Thread

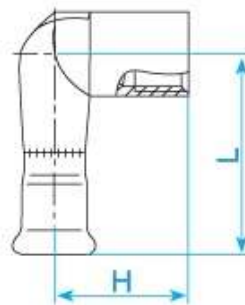
Size mm x inch	L mm	Model No.
15 x ¾"	49	31301
15 x 1¼"	50	31302
22 x 1"	56	31303
28 x 1¼"	63	31304
28 x 1½"	69	31305
35 x 1½"	43	31306
42 x ¾"	61	31307



Union Adaptor with
Female Thread

90° Elbow with Female Thread

Size mm x inch	L mm	H mm	Model No.
15 x ½"	57	37	31401
22 x ¾"	60	46	31402
28 x 1"	67	54	31403
35 x 1¼"	75	63	31404



90° Elbow with
Female Thread

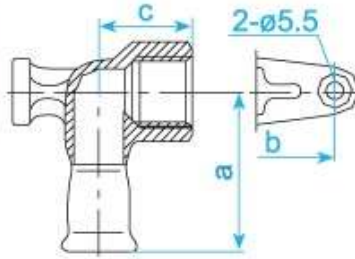
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OHO® PRESS FITTING DIMENSIONS

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Wall-Plate Elbow with Female Thread

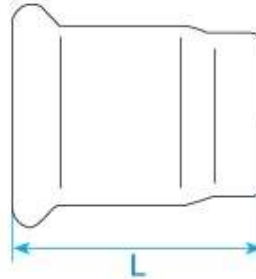
Size mm x inch	a mm	b mm	c mm	Model No.
15 x 1/2"	50	40	30	31501
22 x 3/4"	54	40	34	31502



Wall-Plate Elbow with Female Thread

End Cap

Size mm	L mm	Model No.
15	33	31601
22	34	31602
28	36	31603
35	40	31604
42	44	31605
54	49	31606



End Cap

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SPECIFICATIONS OF OHO COPPER PRESS FITTINGS

Material	Copper, Bronze (Female Elbow Adaptor & Male Adaptor) With EPDM rubber grade O-ring
Pressure Rating	16 bar to BS EN 1254-2
Operating Temperature	0°C to 80°C
Suitable Tube	BS EN 1057 Copper Tube
Applications	Potable water services General hot and cold water applications

COPPER PRESS FITTING RANGE

Coupling



Size
mm

15
22
28

Sleeve Coupling



Size
mm

15
22
28

Fitting Reducer



Size
mm

22 x 15
28 x 15
28 x 22

Coupling Reducer



Size
mm

22 x 15
28 x 15
28 x 22

90° Elbow



Size
mm

15
22
22 x 15
28

90° Elbow with Plain End



Size
mm

15
22
28

45° Elbow



Size
mm

15
22
28

45° Elbow with Plain End



Size
mm

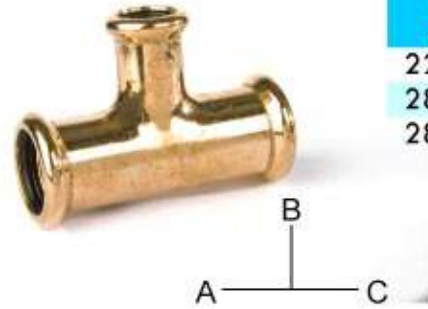
15
22
28

Equal Tee



Size
mm
15
22
28

Reducing Tee

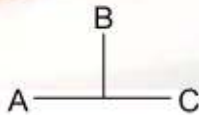


Size mm
A x B x C
22 x 15 x 22
28 x 15 x 28
28 x 22 x 28

Reducing Tee



Size mm
A x B x C
22 x 15 x 15
22 x 22 x 15
28 x 22 x 22
28 x 28 x 22



Partial Crossover



Size
mm
15

Male Adaptor



Size
mm x inch
15 x 1/2"
22 x 3/4"
28 x 1"
35 x 1 1/4"
42 x 1 1/2"
54 x 2"

Female Elbow Adaptor



Size
mm x inch
15 x 1/2"

PRESS TOOLS

Pressing tools are commercially available by a number of manufacturers. OHO press fittings can be used with press tools that offer *M* profile press jaws or clamps. The following are a selection of Press Tool manufacturers.

Manufacturers	Model Name	Press Jaws / Clamps Profile	Dimensions
REMS	Several Types	M	15 – 54 mm
Novopress	Several Types	M	15 – 54 mm

OHO® INSTALLATION GUIDELINES



1 Cutting Pipe

Cut out the pipe with pipe cutting tool. Remove sharp edges and burrs at the pipe end to avoid damaging the O-shaped seal ring.



2 Inserting Pipe

Before inserting pipe, please note the following:-

- ✓ Check O-shaped seal ring. Ensure that the O-shaped seal ring is properly fitted in the grooved-end of press fitting.
- ✓ Remove any dirt and foreign particle that may harm the O-shaped seal ring.
- ✓ Care should be taken to avoid damaging the rubber O-shaped seal ring (fitted in grooved-end of press fitting).
- ✓ Insert or join pipe into the fitting with a slight rotating motion until it hits the stop.



3 Drawing Line Mark

Pipe should be marked with a felt-tip pen where it meets the fitting so that any movement before or after pressing can be identified.



4 Pressing

Align the ring-form concave of pressing jaw with the rim on press fitting, in groove of which a rubber ring is mounted, and compress it by using press tool.

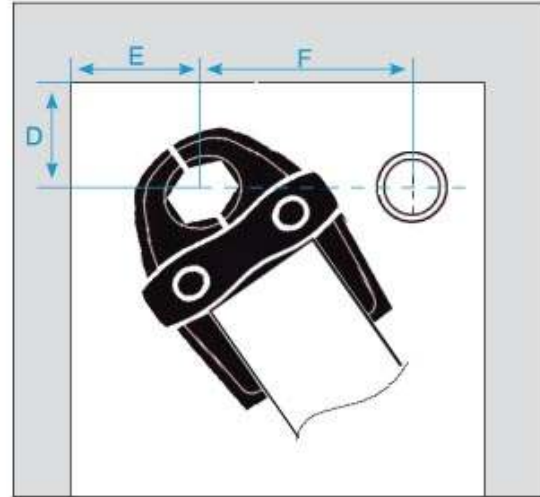
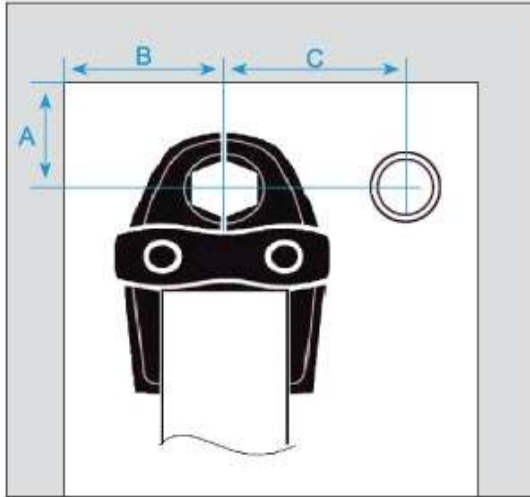


5 After Pressing

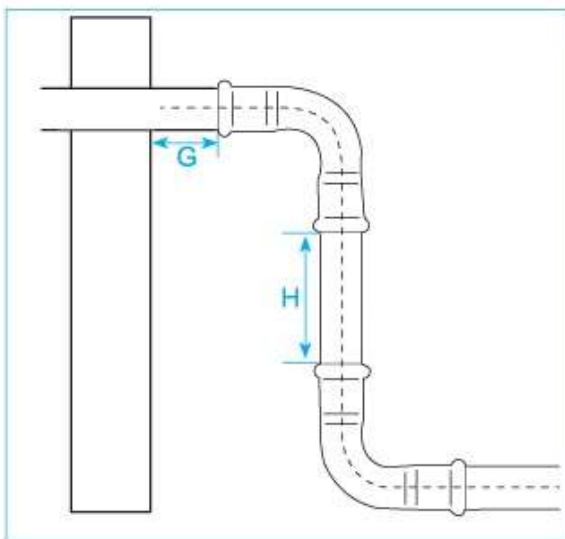
Area near the fitting's end should be slightly depressed for secure connection. The press fitting assembly is done.

OHO® INSTALLATION AREA CLEARANCE

Allow some space when working with press tools. Below illustration is the space needed. Please note that the space measurement is estimation. Minimum space clearance may differ depending on the press tools & jaws that are used.



Size mm	A mm	B mm	C mm	D mm	E mm	F mm
15	20	28	56	25	28	75
22	25	35	65	31	35	80
28	25	35	75	31	35	80
35	30	44	75	31	44	80
42	60	75	140	75	75	140
54	60	85	140	85	85	140



Size mm	Distance Projection G mm	Distance Between Press Fitting H mm
15	35	10
22	35	10
28	35	10
35	35	10
42	35	20
54	35	20