



Certificate of Conformity

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Product designation

CHIBRO, pressfitting System, pipe and fittings

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Marine Equipment International Pty Ltd
Unit 4, 4 Pat Devlin Close, CHIPPING NORTON, NSW, AUSTRALIA, 2170

Registrant

Marine Equipment International Pty Ltd
Unit 4, 4 Pat Devlin Close, CHIPPING NORTON, NSW, AUSTRALIA, 2170

Producer

CHIBRO S.p.A.
Via Valtellina, 15 - 22070 Montano Lucino (CO), ITALY

Conformance criteria and evaluation

The CHIBRO, pressfitting System, pipe and fittings has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4118.2.1-1995, 'Fire sprinkler systems - Piping - General' incl. Amdt 1 (22 June 2005).
2. Australian Standard AS 3688-2005, 'Water supply - Metallic fittings and end connectors' incl. Amdt 1 (4 October 2006).
3. Technical rule VdS 2344en : 2012-07, 'Procedure for testing, approval, certification and conformity assessment of products and systems for fire protection and security technologies'.
4. Guidelines VdS 2100-26en : 2007-03, 'Guidelines for Water Extinguishing Systems, Requirements and Test Methods for Metal Pressfitting Pipe Systems'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

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- i. Fire sprinkler equipment, system design and installation should be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction. Due considerations include the occupancy fire loading, sprinkler location, coverage, response, hydraulic characteristics and other specified requirements relevant to the conformance and effectiveness of the equipment and installed system.
- ii. Specific or special requirements in relation to this product must be considered and included in the system design and installation.
- iii. The dimensional and mechanical compatibility of this product must be verified with the actual size and characteristics of the pipe to which it is to be connected.
- iv. Only o-rings specified and sourced from the producer of this product shall be used.
- v. The maximum working pressure is 1600 kPa (16 bar).

Producer's description

The basic elements of the CHIBRO, pressfitting System, pipe and fittings are available in various forms and dimensions for the installation of pipelines and reticulation by using specially designed fittings and straight pipes.

At each end of the fittings is a toroidal groove with a synthetic rubber o-ring seal, which is deformed by a pressing tool that provides the tightness to the coupling. The mechanical strength is ensured by the deformation of fitting and inserted pipe, after the compression.

Technical specification

The following details are a representative extract of the technical specification for the CHIBRO, pressfitting System, pipe and fittings and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Fittings

- Austenitic Cr-Ni-Mo stainless steel, according to AISI 316L standard – No 1.4404 according to UNI EN 10088

Pipe

- Welded pipes of Austenitic Cr-Ni-Mo stainless steel No 1.4404 – AISI 316L standard according to UNI EN 10088.

Working pressure: 1600 kPa (16 Bar)

Working temperature; -20 to 120 °C (Standard (black EPDM) o-ring.

Designation details - Fittings

Trade brand	Article num.	Type description	Nominal size	Outside diameter (O.D.) of tube
Chibro	6301	Sleeve with stop	15 mm	15 mm
Chibro	6303	Sleeve with stop	18 mm	18 mm
Chibro	6305	Sleeve with stop	20 mm	22 mm
Chibro	6307	Sleeve with stop	25 mm	28 mm
Chibro	6309	Sleeve with stop	32 mm	35 mm
Chibro	6311	Sleeve with stop	40 mm	42 mm
Chibro	6313	Sleeve with stop	50 mm	54 mm
Chibro	6315	Sleeve with stop	65 mm	76.1 mm
Chibro	6317	Sleeve with stop	80 mm	88.9 mm
Chibro	6319	Sleeve with stop	100 mm	108 mm
Chibro	6351	Slip sleeve	15 mm	15 mm
Chibro	6353	Slip sleeve	18 mm	18 mm
Chibro	6355	Slip sleeve	20 mm	22 mm
Chibro	6357	Slip sleeve	25 mm	28 mm
Chibro	6359	Slip sleeve	32 mm	35 mm
Chibro	6361	Slip sleeve	40 mm	42 mm
Chibro	6363	Slip sleeve	50 mm	54 mm
Chibro	6365	Slip sleeve	65 mm	76.1 mm
Chibro	6367	Slip sleeve	80 mm	88.9 mm
Chibro	6369	Slip sleeve	100 mm	108 mm
Chibro	5001	90° Elbow 1.5D F.F.	15 mm	15 mm
Chibro	5003	90° Elbow 1.5D F.F.	18 mm	18 mm
Chibro	5005	90° Elbow 1.5D F.F.	20 mm	22 mm

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Trade brand	Article num.	Type description	Nominal size	Outside diameter (O.D.) of tube
Chibro	5007	90° Elbow 1.5D F.F.	25 mm	28 mm
Chibro	5009	90° Elbow 1.5D F.F.	32 mm	35 mm
Chibro	5011	90° Elbow 1.5D F.F.	40 mm	42 mm
Chibro	5013	90° Elbow 1.5D F.F.	50 mm	54 mm
Chibro	5015	90° Elbow 1.5D F.F.	65 mm	76.1 mm
Chibro	5017	90° Elbow 1.5D F.F.	80 mm	88.9 mm
Chibro	5019	90° Elbow 1.5D F.F.	100 mm	108 mm
Chibro	5101	90° Elbow 1.5D M.F.	15 mm	15 mm
Chibro	5103	90° Elbow 1.5D M.F.	18 mm	18 mm
Chibro	5105	90° Elbow 1.5D M.F.	20 mm	22 mm
Chibro	5107	90° Elbow 1.5D M.F.	25 mm	28 mm
Chibro	5109	90° Elbow 1.5D M.F.	32 mm	35 mm
Chibro	5111	90° Elbow 1.5D M.F.	40 mm	42 mm
Chibro	5113	90° Elbow 1.5D M.F.	50 mm	54 mm
Chibro	5115	90° Elbow 1.5D M.F.	65 mm	76.1 mm
Chibro	5117	90° Elbow 1.5D M.F.	80 mm	88.9 mm
Chibro	5119	90° Elbow 1.5D M.F.	100 mm	108 mm
Chibro	5201	60° Elbow 1.5D F.F.	15 mm	15 mm
Chibro	5203	60° Elbow 1.5D F.F.	18 mm	18 mm
Chibro	5205	60° Elbow 1.5D F.F.	20 mm	22 mm
Chibro	5207	60° Elbow 1.5D F.F.	25 mm	28 mm
Chibro	5209	60° Elbow 1.5D F.F.	32 mm	35 mm
Chibro	5211	60° Elbow 1.5D F.F.	40 mm	42 mm
Chibro	5213	60° Elbow 1.5D F.F.	50 mm	54 mm
Chibro	5215	60° Elbow 1.5D F.F.	65 mm	76.1 mm
Chibro	5217	60° Elbow 1.5D F.F.	80 mm	88.9 mm
Chibro	5219	60° Elbow 1.5D F.F.	100 mm	108 mm
Chibro	5301	60° Elbow 1.5D M.F.	15 mm	15 mm
Chibro	5303	60° Elbow 1.5D M.F.	18 mm	18 mm
Chibro	5305	60° Elbow 1.5D M.F.	20 mm	22 mm
Chibro	5307	60° Elbow 1.5D M.F.	25 mm	28 mm
Chibro	5309	60° Elbow 1.5D M.F.	32 mm	35 mm
Chibro	5311	60° Elbow 1.5D M.F.	40 mm	42 mm
Chibro	5313	60° Elbow 1.5D M.F.	50 mm	54 mm
Chibro	5315	60° Elbow 1.5D M.F.	65 mm	76.1 mm
Chibro	5317	60° Elbow 1.5D M.F.	80 mm	88.9 mm
Chibro	5319	60° Elbow 1.5D M.F.	100 mm	108 mm
Chibro	5401	45° Elbow 1.5D F.F.	15 mm	15 mm
Chibro	5403	45° Elbow 1.5D F.F.	18 mm	18 mm
Chibro	5405	45° Elbow 1.5D F.F.	20 mm	22 mm
Chibro	5407	45° Elbow 1.5D F.F.	25 mm	28 mm
Chibro	5409	45° Elbow 1.5D F.F.	32 mm	35 mm
Chibro	5411	45° Elbow 1.5D F.F.	40 mm	42 mm
Chibro	5413	45° Elbow 1.5D F.F.	50 mm	54 mm
Chibro	5415	45° Elbow 1.5D F.F.	65 mm	76.1 mm
Chibro	5417	45° Elbow 1.5D F.F.	80 mm	88.9 mm
Chibro	5419	45° Elbow 1.5D F.F.	100 mm	108 mm
Chibro	5501	45° Elbow 1.5D M.F.	15 mm	15 mm
Chibro	5503	45° Elbow 1.5D M.F.	18 mm	18 mm
Chibro	5505	45° Elbow 1.5D M.F.	20 mm	22 mm
Chibro	5507	45° Elbow 1.5D M.F.	25 mm	28 mm
Chibro	5509	45° Elbow 1.5D M.F.	32 mm	35 mm
Chibro	5511	45° Elbow 1.5D M.F.	40 mm	42 mm
Chibro	5513	45° Elbow 1.5D M.F.	50 mm	54 mm
Chibro	5515	45° Elbow 1.5D M.F.	65 mm	76.1 mm
Chibro	5517	45° Elbow 1.5D M.F.	80 mm	88.9 mm
Chibro	5519	45° Elbow 1.5D M.F.	100 mm	108 mm
Chibro	5601	30° Elbow 1.5D F.F.	15 mm	15 mm
Chibro	5603	30° Elbow 1.5D F.F.	18 mm	18 mm
Chibro	5605	30° Elbow 1.5D F.F.	20 mm	22 mm
Chibro	5607	30° Elbow 1.5D F.F.	25 mm	28 mm

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Trade brand	Article num.	Type description	Nominal size	Outside diameter (O.D.) of tube
Chibro	5609	30° Elbow 1.5D F.F.	32 mm	35 mm
Chibro	5611	30° Elbow 1.5D F.F.	40 mm	42 mm
Chibro	5613	30° Elbow 1.5D F.F.	50 mm	54 mm
Chibro	5615	30° Elbow 1.5D F.F.	65 mm	76.1 mm
Chibro	5807	15° Elbow 1.5D F.F.	25 mm	28 mm
Chibro	5809	15° Elbow 1.5D F.F.	32 mm	35 mm
Chibro	5811	15° Elbow 1.5D F.F.	40 mm	42 mm
Chibro	5813	15° Elbow 1.5D F.F.	50 mm	54 mm
Chibro	5815	15° Elbow 1.5D F.F.	65 mm	76.1 mm
Chibro	5817	15° Elbow 1.5D F.F.	80 mm	88.9 mm
Chibro	5819	15° Elbow 1.5D F.F.	100 mm	108 mm
Chibro	5901	15° Elbow 1.5D M.F.	15 mm	15 mm
Chibro	5903	15° Elbow 1.5D M.F.	18 mm	18 mm
Chibro	5905	15° Elbow 1.5D M.F.	20 mm	22 mm
Chibro	5907	15° Elbow 1.5D M.F.	25 mm	28 mm
Chibro	5909	15° Elbow 1.5D M.F.	32 mm	35 mm
Chibro	5911	15° Elbow 1.5D M.F.	40 mm	42 mm
Chibro	5913	15° Elbow 1.5D M.F.	50 mm	54 mm
Chibro	5915	15° Elbow 1.5D M.F.	65 mm	76.1 mm
Chibro	5917	15° Elbow 1.5D M.F.	80 mm	88.9 mm
Chibro	5919	15° Elbow 1.5D M.F.	100 mm	108 mm
Chibro	7001	Overrun	15 mm	15 mm
Chibro	7003	Overrun	18 mm	18 mm
Chibro	7005	Overrun	20 mm	22 mm
Chibro	7007	Overrun	25 mm	28 mm
Chibro	7021	Crossover	15 mm	15 mm
Chibro	7023	Crossover	18 mm	18 mm
Chibro	7025	Crossover	20 mm	22 mm
Chibro	7027	Crossover	25 mm	28 mm
Chibro	6901	Reducer	18 mm x 15 mm	18 mm x 15 mm
Chibro	6903	Reducer	20 mm x 15 mm	22 mm x 15 mm
Chibro	6905	Reducer	20 mm x 18 mm	22 mm x 18 mm
Chibro	6907	Reducer	25 mm x 15 mm	28 mm x 15 mm
Chibro	6909	Reducer	25 mm x 18 mm	28 mm x 18 mm
Chibro	6911	Reducer	25 mm x 20 mm	28 mm x 22 mm
Chibro	6912	Reducer	32 mm x 15 mm	35 mm x 15 mm
Chibro	6917	Reducer	32 mm x 20 mm	35 mm x 22 mm
Chibro	6919	Reducer	32 mm x 25 mm	35 mm x 28 mm
Chibro	6925	Reducer	40 mm x 20 mm	42 mm x 22 mm
Chibro	6927	Reducer	40 mm x 25 mm	42 mm x 28 mm
Chibro	6929	Reducer	40 mm x 32 mm	42 mm x 35 mm
Chibro	6937	Reducer	50 mm x 25 mm	54 mm x 28 mm
Chibro	6939	Reducer	50 mm x 32 mm	54 mm x 35 mm
Chibro	6941	Reducer	50 mm x 40 mm	54 mm x 42 mm
Chibro	6943	Reducer	50 mm x 40 mm	76.1 mm x 42 mm
Chibro	6945	Reducer	65 mm x 50 mm	76.1 mm x 54 mm
Chibro	6947	Reducer	80 mm x 50 mm	88.9 mm x 54 mm
Chibro	6949	Reducer	80 mm x 65 mm	88.9 mm x 76.1 mm
Chibro	6951	Reducer	100 mm x 50 mm	108 mm x 54 mm
Chibro	6953	Reducer	100 mm x 65 mm	108 mm x 76.1 mm
Chibro	6955	Reducer	100 mm x 80 mm	108 mm x 88.9 mm
Chibro	6937	Reducer	50 mm x 25 mm	54 x 28 mm
Chibro	7051	MM 90° bent pipe 90	15 mm	15 mm
Chibro	7053	MM 90° bent pipe 90	18 mm	18 mm
Chibro	7055	MM 90° bent pipe 90	20 mm	22 mm
Chibro	7057	MM 90° bent pipe 90	25 mm	28 mm
Chibro	7059	MM 90° bent pipe 90	32 mm	35 mm
Chibro	7061	MM 90° bent pipe 90	40 mm	42 mm
Chibro	7063	MM 90° bent pipe 90	50 mm	54 mm
Chibro	6601	Equal (Straight) tee	15 mm x 15 mm (branch)	15 mm x 15 mm
Chibro	6603	Equal (Straight) tee	18 mm x 18 mm (branch)	18 mm x 18 mm

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Chibro	6605	Equal (Straight) tee	20 mm x 20 mm (branch)	22 mm x 22 mm
Chibro	6607	Equal (Straight) tee	25 mm x 25 mm (branch)	28 mm x 28 mm
Chibro	6609	Equal (Straight) tee	32 mm x 32 mm (branch)	35 mm x 35 mm
Chibro	6611	Equal (Straight) tee	40 mm x 40 mm (branch)	42 mm x 42 mm
Chibro	6613	Equal (Straight) tee	50 mm x 50 mm (branch)	54 mm x 54 mm
Chibro	6615	Equal (Straight) tee	65 mm x 65 mm (branch)	76.1 mm x 76.1 mm
Chibro	6617	Equal (Straight) tee	80 mm x 80 mm (branch)	88.9 mm x 88.9 mm
Chibro	6619	Equal (Straight) tee	100 mm x 100 mm (branch)	108 mm x 108 mm
Chibro	6701	Reduced tee	18 mm x 15 mm (branch)	18 mm x 15 mm
Chibro	6703	Reduced tee	20 mm x 15 mm (branch)	22 mm x 15 mm
Chibro	6705	Reduced tee	20 mm x 18 mm (branch)	22 mm x 18 mm
Chibro	6707	Reduced tee	25 mm x 15 mm (branch)	28 mm x 15 mm
Chibro	6709	Reduced tee	25 mm x 18 mm (branch)	28 mm x 18 mm
Chibro	6711	Reduced tee	25 mm x 20 mm (branch)	28 mm x 22 mm
Chibro	6713	Reduced tee	32 mm x 15 mm (branch)	35 mm x 15 mm
Chibro	6715	Reduced tee	32 mm x 18 mm (branch)	35 mm x 18 mm
Chibro	6717	Reduced tee	32 mm x 20 mm (branch)	35 mm x 22 mm
Chibro	6719	Reduced tee	32 mm x 25 mm (branch)	35 mm x 28 mm
Chibro	6720	Reduced tee	40 mm x 15 mm (branch)	42 mm x 15 mm
Chibro	6722	Reduced tee	40 mm x 18 mm (branch)	42 mm x 18 mm
Chibro	6721	Reduced tee	40 mm x 20 mm (branch)	42 mm x 22 mm
Chibro	6723	Reduced tee	40 mm x 25 mm (branch)	42 mm x 28 mm
Chibro	6725	Reduced tee	40 mm x 32 mm (branch)	42 mm x 35 mm
Chibro	6724	Reduced tee	50 mm x 15 mm (branch)	54 mm x 15 mm
Chibro	6726	Reduced tee	50 mm x 18 mm (branch)	54 mm x 18 mm
Chibro	6727	Reduced tee	50 mm x 20 mm (branch)	54 mm x 22 mm
Chibro	6729	Reduced tee	50 mm x 25 mm (branch)	54 mm x 28 mm
Chibro	6731	Reduced tee	50 mm x 32 mm (branch)	54 mm x 35 mm
Chibro	6733	Reduced tee	50 mm x 40 mm (branch)	54 mm x 42 mm
Chibro	6735	Reduced tee	65 mm x 20 mm (branch)	76.1 mm x 22 mm
Chibro	6737	Reduced tee	65 mm x 25 mm (branch)	76.1 mm x 28 mm
Chibro	6739	Reduced tee	65 mm x 32 mm (branch)	76.1 mm x 35 mm
Chibro	6741	Reduced tee	65 mm x 40 mm (branch)	76.1 mm x 42 mm
Chibro	6743	Reduced tee	65 mm x 50 mm (branch)	76.1 mm x 54 mm
Chibro	6745	Reduced tee	80 mm x 20 mm (branch)	88.9 mm x 22 mm
Chibro	6747	Reduced tee	80 mm x 25 mm (branch)	88.9 mm x 28 mm
Chibro	6749	Reduced tee	80 mm x 32 mm (branch)	88.9 mm x 35 mm
Chibro	6751	Reduced tee	80 mm x 40 mm (branch)	88.9 mm x 42 mm
Chibro	6753	Reduced tee	80 mm x 50 mm (branch)	88.9 mm x 54 mm
Chibro	6755	Reduced tee	80 mm x 65 mm (branch)	88.9 mm x 76.1 mm
Chibro	6757	Reduced tee	100 mm x 20 mm (branch)	108 mm x 22 mm
Chibro	6759	Reduced tee	100 mm x 25 mm (branch)	108 mm x 28 mm
Chibro	6761	Reduced tee	100 mm x 32 mm (branch)	108 mm x 35 mm
Chibro	6763	Reduced tee	100 mm x 40 mm (branch)	108 mm x 42 mm
Chibro	6765	Reduced tee	100 mm x 50 mm (branch)	108 mm x 54 mm
Chibro	6767	Reduced tee	100 mm x 65 mm (branch)	108 mm x 76.1 mm
Chibro	6769	Reduced tee	100 mm x 80 mm (branch)	108 mm x 88.9 mm
Chibro	6763	Reduced tee	100 mm x 40 mm (branch)	108 mm x 42 mm
Chibro	6765	Reduced tee	100 mm x 50 mm (branch)	108 mm x 54 mm
Chibro	6767	Reduced tee	100 mm x 65 mm (branch)	108 mm x 76 mm
Chibro	6769	Reduced tee	100 mm x 80 mm (branch)	108 mm x 88 mm
Chibro	6801	Branch tee (internal threads BSP ISO 7/1)	15 mm x ½ (threaded)	15 mm x ½
Chibro	6803	Branch tee (internal threads BSP ISO 7/1)	18 mm x ½ (threaded)	18 mm x ½
Chibro	6807	Branch tee (internal threads BSP ISO 7/1)	20 mm x ½ (threaded)	22 mm x ½
Chibro	6809	Branch tee (internal threads BSP ISO 7/1)	20 mm x ¾ (threaded)	22 mm x ¾
Chibro	6811	Branch tee (internal threads BSP ISO 7/1)	25 mm x ½ (threaded)	28 mm x ½
Chibro	6813	Branch tee (internal threads BSP ISO 7/1)	25 mm x ¾ (threaded)	28 mm x ¾
Chibro	6815	Branch tee (internal threads BSP ISO 7/1)	32 mm x ½ (threaded)	35 mm x ½
Chibro	6817	Branch tee (internal threads BSP ISO 7/1)	32 mm x ¾ (threaded)	35 mm x ¾
Chibro	6819	Branch tee (internal threads BSP ISO 7/1)	40 mm x ½ (threaded)	42 mm x ½
Chibro	6821	Branch tee (internal threads BSP ISO 7/1)	40 mm x ¾ (threaded)	42 mm x ¾

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Chibro	6823	Branch tee (internal threads BSP ISO 7/1)	50 mm x ½ (threaded)	54 mm x ½
Chibro	6825	Branch tee (internal threads BSP ISO 7/1)	50 mm x ¾ (threaded)	54 mm x ¾
Chibro	6827	Branch tee (internal threads BSP ISO 7/1)	50 mm x 2 (threaded)	54 mm x 2
Chibro	6829	Branch tee (internal threads BSP ISO 7/1)	65 mm x ¾ (threaded)	76.1 mm x ¾
Chibro	6835	Branch tee (internal threads BSP ISO 7/1)	65 mm x 2 (threaded)	76.1 mm x 2
Chibro	6831	Branch tee (internal threads BSP ISO 7/1)	80 mm x ¾ (threaded)	88.9 mm x ¾
Chibro	6837	Branch tee (internal threads BSP ISO 7/1)	80 mm x 2 (threaded)	88.9 mm x 2
Chibro	6833	Branch tee (internal threads BSP ISO 7/1)	100 mm x ¾ (threaded)	108 mm x ¾
Chibro	6839	Branch tee (internal threads BSP ISO 7/1)	100 mm x 2 (threaded)	108 mm x 2
Chibro	6401	Female adapter (internal threads BSP ISO 7/1)	15 mm	15 mm
Chibro	6402	Female adapter (internal threads BSP ISO 7/1)	15 mm	15 mm
Chibro	6403	Female adapter (internal threads BSP ISO 7/1)	18 mm	18 mm
Chibro	6404	Female adapter (internal threads BSP ISO 7/1)	18 mm	18 mm
Chibro	6407	Female adapter (internal threads BSP ISO 7/1)	20 mm	22 mm
Chibro	6409	Female adapter (internal threads BSP ISO 7/1)	20 mm	22 mm
Chibro	6405	Female adapter (internal threads BSP ISO 7/1)	20 mm	22 mm
Chibro	6406	Female adapter (internal threads BSP ISO 7/1)	25 mm	28 mm
Chibro	6411	Female adapter (internal threads BSP ISO 7/1)	25 mm	28 mm
Chibro	6408	Female adapter (internal threads BSP ISO 7/1)	25 mm	28 mm
Chibro	6412	Female adapter (internal threads BSP ISO 7/1)	32 mm	35 mm
Chibro	6413	Female adapter (internal threads BSP ISO 7/1)	32 mm	35 mm
Chibro	6414	Female adapter (internal threads BSP ISO 7/1)	32 mm	35 mm
Chibro	6416	Female adapter (internal threads BSP ISO 7/1)	40 mm	42 mm
Chibro	6415	Female adapter (internal threads BSP ISO 7/1)	40 mm	42 mm
Chibro	6418	Female adapter (internal threads BSP ISO 7/1)	50 mm	54 mm
Chibro	6417	Female adapter (internal threads BSP ISO 7/1)	50 mm	54 mm
Chibro	6410	Female adapter (NPT female thread)	25 mm	28 mm
Chibro	6451	Male adapter (BSP ISO 7/1)	15 mm x ½ (threaded)	15 mm x ½
Chibro	6452	Male adapter (BSP ISO 7/1)	15 mm x ¾ (threaded)	15 mm x ¾
Chibro	6453	Male adapter (BSP ISO 7/1)	18 mm x ½ (threaded)	18 mm x ½
Chibro	6455	Male adapter (BSP ISO 7/1)	18 mm x ¾ (threaded)	18 mm x ¾
Chibro	6456	Male adapter (BSP ISO 7/1)	20 mm x ½ (threaded)	22 mm x ½
Chibro	6457	Male adapter (BSP ISO 7/1)	20 mm x ¾ (threaded)	22 mm x ¾
Chibro	6458	Male adapter (BSP ISO 7/1)	20 mm x 1 (threaded)	22 mm x 1
Chibro	6445	Male adapter (BSP ISO 7/1)	25 mm x ½ (threaded)	28 mm x ½
Chibro	6447	Male adapter (BSP ISO 7/1)	25 mm x ¾ (threaded)	28 mm x ¾
Chibro	6459	Male adapter (BSP ISO 7/1)	25 mm x 1 (threaded)	28 mm x 1
Chibro	6449	Male adapter (BSP ISO 7/1)	25 mm x 1 ¼ (threaded)	28 mm x 1 ¼
Chibro	6460	Male adapter (BSP ISO 7/1)	32 mm x 1 (threaded)	35 mm x 1
Chibro	6461	Male adapter (BSP ISO 7/1)	32 mm x 1 ¼ (threaded)	35 mm x 1 ¼
Chibro	6462	Male adapter (BSP ISO 7/1)	32 mm x 1 ½ (threaded)	35 mm x 1 ½
Chibro	6464	Male adapter (BSP ISO 7/1)	40 mm x 1 ¼ (threaded)	42 mm x 1 ¼
Chibro	6463	Male adapter (BSP ISO 7/1)	50 mm x 1 ½ (threaded)	52 mm x 1 ½
Chibro	6466	Male adapter (BSP ISO 7/1)	50 mm x 1 ½ (threaded)	54 mm x 1 ½
Chibro	6465	Male adapter (BSP ISO 7/1)	04 mm x 2 (threaded)	54 mm x 2
Chibro	6467	Male adapter (BSP ISO 7/1)	65 mm x 2 ½ (threaded)	76.1 mm x 2 ½
Chibro	6469	Male adapter (BSP ISO 7/1)	80 mm x 3 (threaded)	88.9 mm x 3
Chibro	6593	Male adapter (BSP ISO 7/1)	18 mm	18 mm
Chibro	6595	Male adapter (BSP ISO 7/1)	20 mm	22 mm
Chibro	6597	Male adapter (BSP ISO 7/1)	25 mm	28 mm
Chibro	6599	Male adapter (BSP ISO 7/1)	32 mm	35 mm
Chibro	6570	Union (ISO 228)	15 mm	15 mm
Chibro	6571	Union (ISO 228)	15 mm	15 mm
Chibro	6573	Union (ISO 228)	18 mm	18 mm
Chibro	6575	Union (ISO 228)	20 mm	22 mm
Chibro	6577	Union (ISO 228)	25 mm	28 mm
Chibro	6579	Union (ISO 228)	32 mm	35 mm
Chibro	6581	Union (ISO 228)	40 mm	42 mm
Chibro	6583	Union (ISO 228)	50 mm	54 mm
Chibro	7121	MM nipple ((ISO 228 / BSP ISO 7/1)	¾ x ½	¾ x ½
Chibro	7122	MM nipple ((ISO 228 / BSP ISO 7/1)	¾ x ¾	¾ x ¾

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Chibro	7124	MM nipple ((ISO 228 / BSP ISO 7/1)	1 x ½	1 x ½
Chibro	7123	MM nipple ((ISO 228 / BSP ISO 7/1)	1 x ¾	1 x ¾
Chibro	7126	MM nipple ((ISO 228 / BSP ISO 7/1)	1 x 1	1 x 1
Chibro	7125	MM nipple ((ISO 228 / BSP ISO 7/1)	1 ¼ x 1	1 ¼ x 1
Chibro	7127	MM nipple ((ISO 228 / BSP ISO 7/1)	1 ½ x 1 ¼	1 ½ x 1 ¼
Chibro	7129	MM nipple ((ISO 228 / BSP ISO 7/1)	2 x 1 ½	2 x 1 ½
Chibro	7131	MM nipple ((ISO 228 / BSP ISO 7/1)	2 x 2	2 x 2
Chibro	7101	MF nipple ((ISO 228 / BSP ISO 7/1)	¾ x ½	¾ x ½
Chibro	7102	MF nipple ((ISO 228 / BSP ISO 7/1)	¾ x ¾	¾ x ¾
Chibro	7103	MF nipple ((ISO 228 / BSP ISO 7/1)	1 x ¾	1 x ¾
Chibro	7104	MF nipple ((ISO 228 / BSP ISO 7/1)	1 x 1	1 x 1
Chibro	7105	MF nipple ((ISO 228 / BSP ISO 7/1)	1 ¼ x 1	1 ¼ x 1
Chibro	7107	MF nipple ((ISO 228 / BSP ISO 7/1)	1 ½ x 1 ¼	1 ½ x 1 ¼
Chibro	7109	MF nipple ((ISO 228 / BSP ISO 7/1)	2 x 1 ½	2 x 1 ½
Chibro	7111	MF nipple ((ISO 228 / BSP ISO 7/1)	2 x 2	2 x 2
Chibro	6850	Female union connector (BSP ISO 7/1)	15 mm x ¾	15 mm x ¾
Chibro	6851	Female union connector (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6852	Female union connector (BSP ISO 7/1)	18 mm x ¾	18 mm x ¾
Chibro	6853	Female union connector (BSP ISO 7/1)	18 mm x ½	18 mm x ½
Chibro	6855	Female union connector (BSP ISO 7/1)	20 mm x ¾	22 mm x ¾
Chibro	6856	Female union connector (BSP ISO 7/1)	20 mm x 1	22 mm x 1
Chibro	6857	Female union connector (BSP ISO 7/1)	25 mm x 1	28 mm x 1
Chibro	6859	Female union connector (BSP ISO 7/1)	32 mm x 1 ¼	35 mm x 1 ¼
Chibro	6861	Female union connector (BSP ISO 7/1)	40 mm x 1 ½	42 mm x 1 ½
Chibro	6863	Female union connector (BSP ISO 7/1)	50 mm x 2	54 mm x 2
Chibro	6870	Male union connector (BSP ISO 7/1)	15 mm x ¾	15 mm x ¾
Chibro	6871	Male union connector (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6872	Male union connector (BSP ISO 7/1)	18 mm x ¾	18 mm x ¾
Chibro	6873	Male union connector (BSP ISO 7/1)	18 mm x ½	18 mm x ½
Chibro	6874	Male union connector (BSP ISO 7/1)	20 mm x ½	22 mm x ½
Chibro	6875	Male union connector (BSP ISO 7/1)	20 mm x 1	22 mm x 1
Chibro	6876	Male union connector (BSP ISO 7/1)	20 mm x 1	22 mm x 1
Chibro	6877	Male union connector (BSP ISO 7/1)	25 mm x 1	28 mm x 1
Chibro	6879	Male union connector (BSP ISO 7/1)	32 mm x 1 ¼	35 mm x 1 ¼
Chibro	6881	Male union connector (BSP ISO 7/1)	40 mm x 1 ½	42 mm x 1 ½
Chibro	6883	Male union connector (BSP ISO 7/1)	50 mm x 2	54 mm x 2
Chibro	6001	90° angle adapter (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6003	90° angle adapter (BSP ISO 7/1)	18 mm x ½	18 mm x ½
Chibro	6005	90° angle adapter (BSP ISO 7/1)	20 mm x ¾	22 mm x ¾
Chibro	6007	90° angle adapter (BSP ISO 7/1)	25 mm x 1	28 mm x 1
Chibro	6009	90° angle adapter (BSP ISO 7/1)	32 mm x 1 ¼	35 mm x 1 ¼
Chibro	6051	90° angle adapter (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6053	90° angle adapter (BSP ISO 7/1)	18 mm x ½	18 mm x ½
Chibro	6055	90° angle adapter (BSP ISO 7/1)	20 mm x ¾	22 mm x ¾
Chibro	6057	90° angle adapter (BSP ISO 7/1)	25 mm x 1	28 mm x 1
Chibro	6059	90° angle adapter (BSP ISO 7/1)	32 mm x 1 ¼	35 mm x 1 ¼
Chibro	6061	90° angle adapter (BSP ISO 7/1)	40 mm x 1 ½	42 mm x 1 ½
Chibro	6063	90° angle adapter (BSP ISO 7/1)	50 mm x 2	54 mm x 2
Chibro	5991	90° angle adapter for insertion (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6101	90° angle adapter w/ wall flange (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6103	90° angle adapter w/ wall flange (BSP ISO 7/1)	18 mm x ½	18 mm x ½
Chibro	6105	90° angle adapter w/ wall flange (BSP ISO 7/1)	20 mm x ¾	22 mm x ¾
Chibro	6111	90° angle adapter w/ ext. wall flange (BSP ISO 7/1)	15 mm x ½	15 mm x ½
Chibro	6113	90° angle adapter w/ ext. wall flange (BSP ISO 7/1)	18 mm x ½	18 mm x ½
Chibro	6115	90° angle adapter w/ ext. wall flange (BSP ISO 7/1)	20 mm x ¾	22 mm x ¾
Chibro	6151	Tee with wall flange 15x1/2 F.	Threaded x 15 mm x 15 mm	Threaded x 15 mm x 15 mm
Chibro	7201	Plug for sealing pipe (male)	15 mm	15 mm
Chibro	7203	Plug for sealing pipe (male)	18 mm	18 mm
Chibro	7205	Plug for sealing pipe (male)	20 mm	22 mm

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Chibro	7207	Plug for sealing pipe (male)	25 mm	28 mm
Chibro	7209	Plug for sealing pipe (male)	32 mm	35 mm
Chibro	7211	Plug for sealing pipe (male)	40 mm	42 mm
Chibro	7213	Plug for sealing pipe (male)	50 mm	54 mm
Chibro	7215	Plug for sealing pipe (male)	65 mm	76.1 mm
Chibro	7217	Plug for sealing pipe (male)	80 mm	88.9 mm
Chibro	7219	Plug for sealing pipe (male)	100 mm	108 mm
Chibro	7231	Plug for sealing pipe (female)	15 mm	15 mm
Chibro	7233	Plug for sealing pipe (female)	18 mm	18 mm
Chibro	7235	Plug for sealing pipe (female)	20 mm	22 mm
Chibro	7237	Plug for sealing pipe (female)	25 mm	28 mm
Chibro	7239	Plug for sealing pipe (female)	32 mm	35 mm
Chibro	7241	Plug for sealing pipe (female)	40 mm	42 mm
Chibro	7243	Plug for sealing pipe (female)	50 mm	54 mm
Chibro	7245	Plug for sealing pipe (female)	65 mm	76.1 mm
Chibro	7247	Plug for sealing pipe (female)	80 mm	88.9 mm
Chibro	7249	Plug for sealing pipe (female)	100 mm	108 mm
Chibro	6521	Flanged sleeve NP 6	15 mm	15 mm
Chibro	6523	Flanged sleeve NP 6	18 mm	18 mm
Chibro	6525	Flanged sleeve NP 6	20 mm	22 mm
Chibro	6527	Flanged sleeve NP 6	25 mm	28 mm
Chibro	6529	Flanged sleeve NP 6	32 mm	35 mm
Chibro	6531	Flanged sleeve NP 6	40 mm	42 mm
Chibro	6533	Flanged sleeve NP 6	50 mm	54 mm
Chibro	6535	Flanged sleeve NP 6	65 mm	76.1 mm
Chibro	6537	Flanged sleeve NP 6	80 mm	88.9 mm
Chibro	6539	Flanged sleeve NP 6	100 mm	108 mm
Chibro	6501	Flanged sleeve NP 10/16	15 mm	15 mm
Chibro	6503	Flanged sleeve NP 10/16	18 mm	18 mm
Chibro	6505	Flanged sleeve NP 10/16	20 mm	22 mm
Chibro	6507	Flanged sleeve NP 10/16	25 mm	28 mm
Chibro	6509	Flanged sleeve NP 10/16	32 mm	35 mm
Chibro	6511	Flanged sleeve NP 10/16	40 mm	42 mm
Chibro	6513	Flanged sleeve NP 10/16	50 mm	54 mm
Chibro	6515	Flanged sleeve NP 10/16	65 mm	76.1 mm
Chibro	6517	Flanged sleeve NP 10/16	80 mm	88.9 mm
Chibro	6519	Flanged sleeve NP 10/16	100 mm	108 mm
Chibro	9284	Collars for loose flange NP 6	20 mm	22 mm
Chibro	9285	Collars for loose flange NP 6	25 mm	28 mm
Chibro	9286	Collars for loose flange NP 6	32 mm	35 mm
Chibro	9287	Collars for loose flange NP 6	40 mm	42 mm
Chibro	9288	Collars for loose flange NP 6	50 mm	54 mm
Chibro	9289	Collars for loose flange NP 6	65 mm	76.1 mm
Chibro	9290	Collars for loose flange NP 6	80 mm	88.9 mm
Chibro	9291	Collars for loose flange NP 6	100 mm	108 mm
Chibro	9274	Collars for loose flange NP 10/16	20 mm	22 mm
Chibro	9275	Collars for loose flange NP 10/16	25 mm	28 mm
Chibro	9276	Collars for loose flange NP 10/16	32 mm	35 mm
Chibro	9277	Collars for loose flange NP 10/16	40 mm	42 mm
Chibro	9278	Collars for loose flange NP 10/16	50 mm	54 mm
Chibro	9279	Collars for loose flange NP 10/16	65 mm	76.1 mm
Chibro	9280	Collars for loose flange NP 10/16	80 mm	88.9 mm
Chibro	9281	Collars for loose flange NP 10/16	100 mm	108 mm

Designation details - Pipe

Trade brand	Article num.	Type description	Nominal size	Outside diameter (O.D.) of tube
Chibro	4903	Pressfitting stainless steel pipe	15 mm x 6 m	15 mm
Chibro	4905	Pressfitting stainless steel pipe	18 mm x 6 m	18 mm
Chibro	4907	Pressfitting stainless steel pipe	20 mm x 6 m	22 mm
Chibro	4909	Pressfitting stainless steel pipe	25 mm x 6 m	28 mm

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Trade brand	Article num.	Type description	Nominal size	Outside diameter (O.D.) of tube
Chibro	4911	Pressfitting stainless steel pipe	32 mm x 6 m	35 mm
Chibro	4913	Pressfitting stainless steel pipe	40 mm x 6 m	42 mm
Chibro	4915	Pressfitting stainless steel pipe	50 mm x 6 m	54 mm
Chibro	4917	Pressfitting stainless steel pipe	65 mm x 6 m	76.1 mm
Chibro	4919	Pressfitting stainless steel pipe	80 mm X 6 m	88.9 mm
Chibro	4921	Pressfitting stainless steel pipe	100 mm x 6 m	108 mm
Chibro	4903	Pressfitting stainless steel pipe with polypropylene outer coating	15 mm x 6 m	15 mm
Chibro	4905	Pressfitting stainless steel pipe with polypropylene outer coating	18 mm x 6 m	18 mm
Chibro	4907	Pressfitting stainless steel pipe with polypropylene outer coating	20 mm x 6 m	22 mm
Chibro	4909	Pressfitting stainless steel pipe with polypropylene outer coating	25 mm x 6 m	28 mm
Chibro	4911	Pressfitting stainless steel pipe with polypropylene outer coating	32 mm x 6 m	35 mm
Chibro	4913	Pressfitting stainless steel pipe with polypropylene outer coating	40 mm x 6 m	42 mm
Chibro	4915	Pressfitting stainless steel pipe with polypropylene outer coating	50 mm x 6 m	54 mm

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Source	Title / description	Date issued (or date validated)
Ident. type	Ident.			
Certificate of Conformity	WaterMark Level 1 – CoC : 40082 (101147)	Global –Mark, NSW, AU	AS 3688-2005 : Water supply - Metallic fittings and end connectors - Including Amendment 1 <small>(globalMark_101147-40082_Certificate_2010-06-22.pdf)</small> <small>(globalMark_101147-40082_Schedule_2010-10-12.pdf)</small>	23-Jun-2010
Certification Schedule	101147- Schedule 2 – Rev E			12-Oct-2010
Approval no.	G 4050052	Verband der Schadenverhütung, DE	Certificate of Approval Approval of Components and Systems Stainless steel pipe system, Type “CHIBRO Pressfitting” DN 20 to DN 100 <small>(vds_CoA_G 4050052_i_2009-11-10.pdf)</small>	10-Nov-2009