

AENOR

AENOR Product Certificate Threaded pipe fitting in malleable cast iron



A02/000004

AENOR certifies that the organization

ODLEWNIA ZAWIERCIE SPÓLKA AKCYJNA

registered office	ul. Lesna 10-Zawiercie 42-400 Polonia (Zawiercie - Polonia)
supplies	Threaded pipe fitting in malleable cast iron
in compliance with	UNE-EN 10242/A2:2004 (EN 10242:1994/A2:2003) UNE-EN 10242/1M:1999 (EN 10242/A1:1999) UNE-EN 10242:1995 (EN 10242:1994)
References	Specified in Annex to the Certificate
Production site	ul. Lesna 10-Zawiercie 42-400 Polonia (Zawiercie - Polonia)
Certification scheme	In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 00.02.
	This certificate supersedes A02/000004, dated 2017-03-10
First issued on	2017-03-10
Modified on	2019-01-25
Validity date	2022-03-10

Rafael GARCÍA MEIRO
Chief Executive Officer

Original Electronic Certificate

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Annex to Certificate

Type (Symbol)	Sizes	Surface condition	Design symbol	Material grade
BRIDA SIN PERNOS 321	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
BRIDA OVALADA 326	3/4, 1, 1 1/4, 1 1/2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO DE UNION HEMBRA, JUNTA CONICA 96 (UA 11)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO DE UNION HEMBRA, JUNTA PLANA 95 (UA 1)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO DE UNION MACHO, JUNTA CONICA 98 (UA 2)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO DE UNION MACHO, JUNTA PLANA 97 (UA 2)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO DE 45°, HEMBRA 120 (A 1/45)	1/2, 3/4, 1	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO HEMBRA REDUCIDO 90 (A1)	3/8x1/4, 1/2x1/4, 1/2x3/8, 3/4x3/8, 3/4x1/2, 1x3/8 1x1/2, 1x3/4, 1 1/4x1/2, 1 1/4x3/4, 1 1/4x1, 1 1/2x1/2, 1 1/2x3/4, 1 1/2x1, 1 1/2x1 1/4, 2 x 3/4, 2 x 1, 2 x 1 1/4, 2 x 1 1/2, 2 1/2x2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO HEMBRA 90 (A1)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO MACHO HEMBRA REDUCIDO 92 (A4)	1/2x3/8, 3/4x1/2, 1x3/4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO MACHO HEMBRA 92 (A4)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CODO PLACA HH 471	1/2, 3/4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CONTRATUERCA SIN REBAJE 310 (P4)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CRUZ REDUCIDA 180 (C1)	3/4x1/2, 1x1/2, 1x3/4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)

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CRUZ 180 (C1)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA CORTA HEMBRA 2A (D1)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA CORTA MACHO HEMBRA 1A (D4)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA DE 45°, HEMBRA 41 (G 1/45)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA DE 45°, MACHO-HEMBRA 40 (G 4/45)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA HEMBRA 2 (G1)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA HH (PUENTE) 85	1/2, 3/4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA MACHO HEMBRA 1 (G4)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA MACHO MACHO 94	1/2, 3/4, 1	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
CURVA MACHO 3 (G8)	1/2, 3/4, 1	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
DISTRIBUIDOR EN CODO 221 (Za1)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
DISTRIBUIDOR EN Y 220	1/2, 3/4, 1	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
HEMBRA LOCO PLANO 372	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
HEMBRA UNION PLANA 370	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MACHO LOCO PLANO 371	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)

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MANGUITO DE REDUCCION 240 (M2)	3/8x1/4, 1/2x1/4, 1/2x3/8, 3/4x3/8, 3/4x1/2, 1x3/8, 1x1/2, 1x3/4, 1 1/4x3/8, 1 1/4x1/2, 1 1/4x3/4, 1 1/4x1, 1 1/2x1/2, 1 1/2x3/4, 1 1/2x1, 1 1/2x1 1/4, 2x1/2, 2x3/4, 2x1, 2x1 1/4, 2x1 1/2, 2 1/2 x 1, 2 1/2x1 1/4, 2 1/2x1 1/2, 2 1/2x2, 3x1 1/2, 3x2, 3x2 1/2, 4x2, 4x2 1/2, 4x3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO MACHO DERECHA E IZQUIERDA 281 (N8 RL)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO MACHO REDUCIDO 245 (N8)	3/8x1/4, 1/2x1/4, 1/2x3/8, 3/4x3/8, 3/4x1/2, 1x1/2, 1x3/4, 1 1/4x1/2, 1 1/4x3/4, 1 1/4x1, 1 1/2x3/4, 1 1/2x1, 1 1/2x1 1/4, 2x1, 2x1 1/4, 2x1 1/2, 2 1/2x1 1/2, 2 1/2x2, 3x2, 3x2 1/2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO MACHO 280 (N8)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO MH 529A M4	3/8, 1/2, 3/4, 1, 1 1/4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO REDUCIDO MACHO HEMBRA 246 (M4)	3/8x1/4, 1/2x1/4, 1/2x3/8, 3/4x3/8, 3/4x1/2, 1x1/2, 1x3/4, 1 1/4x3/4, 1 1/4x1, 1 1/2x1, 1 1/2x1 1/4, 2x1 1/4, 2x1 1/2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO ROSCA DERECHA E IZQUIERDA 271 (M2 RL)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
MANGUITO 270 (M2)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TAPA 300 (T1)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TAPON MACHO CON REBORDE 290 (T9)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TAPON MACHO SIN REBORDE 291 (T8)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE AUMENTADA EN LA BIFURCACION 130-R (B1)	3/8x1/2, 1/2x3/4, 1/2x1, 3/4x1, 1x1 1/4, 1x1 1/2, 1 1/4x 1 1/2, 1 1/4x2, 1 1/2x2, 2x2 1/2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)

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TE BOCAS IGUALES MACHO MACHO 135	1	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE CON UN EMPALME CURVADO 131 (E1)	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE DE BOCAS IGUALES 130 (B1)	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE REDUCIDA EN LA BIFURCACION 130-R (B1) (Continued)	4x1 1/2, 4X2, 4X2 1/2, 4X3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE REDUCIDA EN LA BIFURCACION 130-R (B1)	3/8x1/4, 1/2x1/4, 1/2x3/8, 3/4x1/4, 3/4x3/8, 3/4x1/2, 1x3/8, 1x1/2, 1x3/4, 1 1/4x3/8, 1 1/4x1/2, 1 1/4x3/4, 1 1/4x1, 1 1/2x1/2, 1 1/2x3/4, 1 1/2x1, 1 1/2x1 1/4, 2x1/2, 2x3/4, 2x1, 2x1 1/4, 2x1 1/2, 2 1/2x3/4, 2 1/2x1, 2 1/2x1 1/4, 2 1/2 x 1 1/2, 2 1/2 x 2, 3x1, 3x1 1/4, 3x1 1/2, 3x2, 3x2 1/2, 4x1 1/2, 4x2, 4x2 1/2, 4x3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE REDUCIDA EN PASO E IGUAL EN BIFURCACION 130-R (B1) metodo "a"	1/2x1/2x3/8, 3/4x3/4x1/2, 1x1x1/2, 1x1x3/4, 1 1/4x1 1/4x3/4, 1 1/4x1 1/4x1, 1 1/2x1 1/2x 1 1/4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE REDUCIDA EN PASO Y BIFURCACION 130-R (B1) metodo "a"	1/2x3/8x3/8, 3/4x3/8x1/2, 3/4x1/2x1/2, 1x1/2x1/2, 1x1/2x3/4, 1x3/4x1/2, 1x3/4x3/4, 1 1/4x1/2x1, 1 1/4x3/4x3/4, 1 1/4x3/4x1, 1 1/4x1x1, 1 1/2x1x1, 1 1/2x1x1 1/4, 1 1/2x1 1/4x1 1/4, 2x1 1/2x 1 1/2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TE 45° H 165	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)

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TUERCA DE REDUCCION 241 (N4)	3/8x1/4, 1/2x1/4, 1/2x3/8, 3/4x1/4, 3/4x3/8, 3/4x1/2, 1x3/8, 1x1/2, 1x3/4, 1 1/4x3/8, 1 1/4x1/2, 1 1/4x3/4, 1 1/4x1, 1 1/2x1/2, 1 1/2x3/4, 1 1/2x1, 1 1/2x1 1/4, 2x1/2, 2x3/4, 2x1, 2x1 1/4, 2x1 1/2, 2 1/2x1, 2 1/2x1 1/4, 2 1/2x1 1/2, 2 1/2x2, 3x1, 3x1 1/4, 3x1 1/2, 3x2, 3x2 1/2, 4x2, 4x2 1/2, 4x3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
TUERCA UNION 374 (P1)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
UNION HEMBRA JUNTA CONICA 340 (U11)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
UNION HEMBRA JUNTA PLANA 330 (U1)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
UNION MACHO-HEMBRA JUNTA CONICA 341 (U12)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)
UNION MACHO-HEMBRA JUNTA PLANA 331 (U2)	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	Fe ó Zn	A	EN-GJMW-400-05 (corazón blanco)

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