



Rev. 07/2020

COMPRESSION FITTINGS FOR PIPES IN METAL AND POLYETHYLENE

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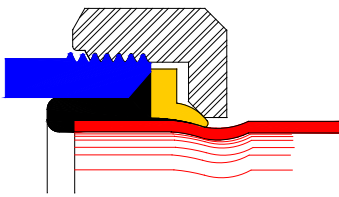


PRODUCTION RANGE

Code	Pipes to be connected			Fitting	Thread
	material	diameter [mm]	Thickness [mm]		
41.1X.20	annealed copper	10 ÷ 16	1,00	ogive	W24.5x19F
602.1X.00	copper - brass - steel	10 ÷ 16	1,00	ogive	W24.5x19F
41.18.40	annealed copper	18	1,00	ogive	W24.5x19F
71.XX.X0	polyethylene	10 ÷ 20	1,00 ÷ 3,50	ogive	W24.5x19F
70.XX.X0	multilayer polyethylene	12 ÷ 20	1,90 ÷ 3,00	ogive	W24.5x19F
122.XX.00	polyethylene	12 ÷ 20	1,10 ÷ 1,90	ogive	W24.5x19F
70.XX.X0	multilayer polyethylene	12 ÷ 20	1,90 ÷ 3,00	ogive	W24.5x19F
263.1X.20	annealed copper	12 - 15	1,00	ogive	G 3/4" Euroconus
361.1X.00	annealed copper	10 ÷ 18	1,00	ogive	G 3/4" Euroconus
217.XX.X0	polyethylene	12 ÷ 21	2,00 ÷ 2,80	ogive	G 3/4" Euroconus
123.XX.00	polyethylene	12 ÷ 20	1,10 ÷ 1,90	ogive	G 3/4" Euroconus
224.XX.X0	multilayer polyethylene	14 ÷ 20	2,00 ÷ 2,50	ogive	G 3/4" Euroconus
139.1X.50	annealed copper	10 ÷ 15	1,00	ogive	G 1/2" UNI-ISO 228

FITTINGS WITH OGIVE FOR PIPES IN COPPER

THREAD W24.5X19F



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
41.10.20	10	8	1,00
41.12.20	12	10	1,00
41.14.20	14	12	1,00
41.15.20	15	13	1,00
41.16.20	16	14	1,00

ACCESSORIES

code	description
69.00.00	nut spanner

CONSTRUCTION FEATURES

Material	Nickel-plated brass
Hydraulic seal	Ogive in NBR
Restraint seal	Conical ring
Spanner	Ch 28
F threaded connection	W24.5x19F
Allowed fluids	water, water + glycol 50% combustible fuel, diesel

TECHNICAL FEATURES

Type of pipe	annealed copper
Operating temperature	-15 ÷ +110 °C
Testing pressure	(50 bar) 5000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30...40 Nm

FITTINGS WITH OGIVE FOR PIPES IN COPPER

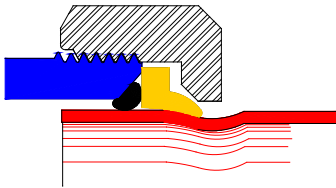
THREAD W24.5X19F



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
41.18.40	18	16	1,00

ACCESSORIES

code	description
69.00.00	nut spanner



CONSTRUCTION FEATURES

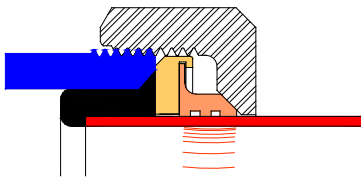
Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Conical ring
Spanner	Ch 28
F threaded connection	W24.5x19F
Allowed fluids	water, water + glycol 50%

TECHNICAL FEATURES

Type of pipe	annealed copper
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	50 Nm

FITTINGS WITH OGIVE FOR PIPES IN COPPER - BRASS - STEEL

THREAD W24.5X19F



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
602.10.00	10	8	1,00
602.12.00	12	10	1,00
602.14.00	14	12	1,00
602.15.00	15	13	1,00
602.16.00	16	14	1,00

ACCESSORIES

code	description
69.00.00	nut spanner

CONSTRUCTION FEATURES

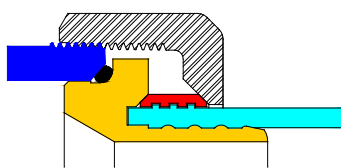
Material	Nickel-plated brass
Hydraulic seal	Ogive in NBR
Restraint seal	Conical ring
Spanner	Ch 28
Female threaded connection	W24.5x19F
Allowed fluids	water, water + glycol 50% combustible fuel, diesel

TECHNICAL FEATURES

Type of pipe	annealed copper unprocessed copper rods brass mild steel stainless steel
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30...40 Nm

FITTINGS WITH OGIVE FOR PIPES IN POLYETHYLENE

THREAD W24.5X19F



ACCESSORIES

code	description
69.00.00	nut spanner

fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
71.10.20	10,5	8	1,25
71.10.30	10	7,6	1,20
71.12.00	12	8	2,00
71.12.20	12	9,4	1,30
71.14.00	14	10	2,00
71.15.00	15	10	2,50
71.15.10	15	11	2,00
71.16.00	16	12	2,00
71.16.20	16	13	1,50
71.16.30	16	10,6	2,70
71.16.40	16	11,6	2,20
71.16.50	16	14	1,00
71.17.00	17	13	2,00
71.18.00	18	13	2,50
71.18.30	18	14	2,00
71.18.40	18	11,6	3,20
71.20.10	20	16	2,00
71.20.20	20	13	3,50
71.20.40	20	14,4	2,80

CONSTRUCTION FEATURES

Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Compression ring
Spanner	Ch 28
Female threaded connection	W24.5x19F
Allowed fluids	water, water + glycol 50%

TECHNICAL FEATURES

Type of pipe	cross-linked polyethylene
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN MULTILAYER POLYETHYLENE

THREAD W24.5X19F



ACCESSORIES

code	description
69.00.00	nut spanner

fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
70.12.90	12	8,2	1,90
70.14.00	14	10	2,00
70.14.90	14,4	10	2,20
70.15.40	15,2	9,2	3,00
70.16.00	16	12	2,00
70.16.10	16	11	2,50
70.16.20	16	11,5	2,25
70.16.30	16,2	11	2,60
70.16.90	16,4	12,0	2,20
70.17.10	17	13	2,00
70.17.20	17,8	13	2,40
70.17.30	17	11	3,00
70.17.40	17,2	11,2	3,00
70.18.00	18	14	2,00
70.20.00	20	16	2,00
70.20.10	20	15	2,50
70.20.20	20	15,5	2,25
70.20.30	20	14,2	2,90

CONSTRUCTION FEATURES

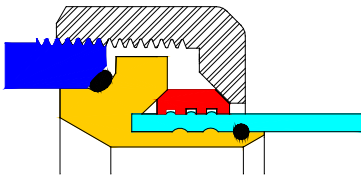
Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Compression ring
Spanner	Ch 28
Female threaded connection	W24.5x19F
Allowed fluids	water, water + glycol 50%

TECHNICAL FEATURES

Type of pipe	multilayer polyethylene
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN POLYETHYLENE

THREAD W24.5X19F



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
122.12.00	12	9,8	1,10
122.16.00	16	13	1,50
122.20.00	20	16,2	1,90

ACCESSORIES

code	description
69.00.00	nut spanner

CONSTRUCTION FEATURES

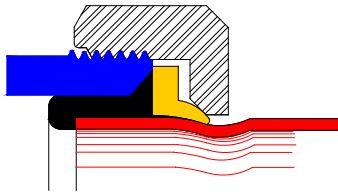
Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Compression ring
Spanner	Ch 28
Female threaded connection	W24.5x19F
Allowed fluids	water, water + glycol 50%
Approvals	CSTBat - France

TECHNICAL FEATURES

Type of pipe	cross-linked polyethylene
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN COPPER

EUROCONUS CONNECTION



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
263.12.20	12	10	1,00
263.15.20	15	13	1,00

ACCESSORIES

code	description
246.00.00	nut spanner

CONSTRUCTION FEATURES

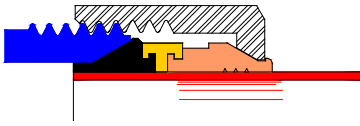
Material	Nickel-plated brass
Hydraulic seal	Ogive in NBR
Restraint seal	Conical ring
Spanner	Ch 30
Female threaded connection	G 3/4" UNI-ISO 228
Allowed fluids	water, water + glycol 50% combustible fuel, diesel

TECHNICAL FEATURES

Type of pipe	annealed copper
Operating temperature	-15 ÷ +110 °C
Testing pressure	(50 bar) 5000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30...40 Nm

FITTINGS WITH OGIVE FOR PIPES IN COPPER

EUROCONUS CONNECTION



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
361.10.00	10	8	1,00
361.12.00	12	10	1,00
361.14.00	14	12	1,00
361.15.00	15	13	1,00
361.16.00	16	14	1,00
361.18.00	18	16	1,00

ACCESSORIES

code	description
246.00.00	nut spanner

CONSTRUCTION FEATURES

Material	Nickel-plated brass
Hydraulic seal	Ogive in NBR
Restraint seal	Conical ring
Spanner	Ch 30
Female threaded connection	G 3/4" UNI-ISO 228
Allowed fluids	water, water + glycol 50% combustible fuel, diesel

TECHNICAL FEATURES

Type of pipe	annealed copper
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN POLYETHYLENE

EUROCONUS CONNECTION



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
217.12.00	12	8	2,00
217.14.00	14	10	2,00
217.15.00	15	11	2,00
217.15.10	15	10	2,50
217.16.00	16	12	2,00
217.16.10	16	11,6	2,20
217.16.20	16	13	1,50
217.17.00	17	13	2,00
217.18.00	18	14	2,00
217.18.10	18	13	2,50
217.20.00	20	16	2,00
217.20.10	20	14,4	2,80
217.21.00	21	16	2,50

ACCESSORIES

code	description
246.00.00	nut spanner

CONSTRUCTION FEATURES

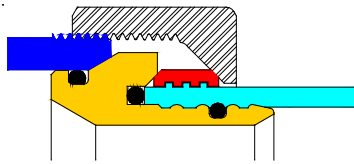
Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Compression ring
Spanner	Ch 30
Female threaded connection	G 3/4" UNI-ISO 228
Allowed fluids	water, water + glycol 50%

TECHNICAL FEATURES

Type of pipe	cross-linked
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN MULTILAYER POLYETHYLENE

EUROCONUS CONNECTION



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
224.14.00	14	10	2,00
224.16.00	16	12	2,00
224.16.10	16	10,8	2,60
224.16.20	16	11,5	2,25
224.17.00	17	13	2,00
224.18.00	18	14	2,00
224.20.00	20	16	2,00
224.20.30	20	15,5	2,25
224.20.10	20	15	2,50
224.20.10	20	14,2	2,90

ACCESSORIES

code	description
246.00.00	nut spanner

CONSTRUCTION FEATURES

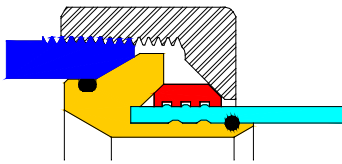
Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Compression ring
Spanner	Ch 30
Female threaded connection	G 3/4" UNI-ISO 228
Allowed fluids	water, water + glycol 50%

TECHNICAL FEATURES

Type of pipe	multilayer polyethylene
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN POLYETHYLENE

EUROCONUS CONNECTION



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
123.12.00	12	9,8	1,10
123.16.00	16	13	1,50
123.20.00	20	16,2	1,90

ACCESSORIES

code	description
246.00.00	nut spanner

CONSTRUCTION FEATURES

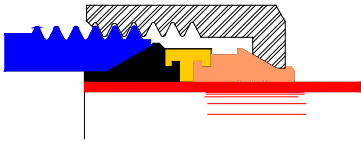
Material	Nickel-plated brass
Hydraulic seal	O-ring in EPDM PEROX
Restraint seal	Compression ring
Spanner	Ch 30
Female threaded connection	G 3/4" UNI-ISO 228
Allowed fluids	water, water + glycol 50%

TECHNICAL FEATURES

Type of pipe	cross-linked
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	30 Nm

FITTINGS WITH OGIVE FOR PIPES IN COPPER

UNI-ISO 228 CONNECTION



fitting code	pipe		
	external Ø [mm]	internal Ø [mm]	thickness [mm]
139.10.50	10	8	1,00
139.12.50	12	10	1,00
139.14.50	14	12	1,00
139.15.50	15	13	1,00

CONSTRUCTION FEATURES

Material	Nickel-plated brass
Hydraulic seal	Ogive in NBR
Restraint seal	Conical ring
Spanner	Ch 24
Female threaded connection	G 1/2" UNI-ISO 228
Allowed fluids	water, water + glycol 50% combustible fuel, diesel

TECHNICAL FEATURES

Type of pipe	annealed copper
Operating temperature	-15 ÷ +110 °C
Testing pressure	(30 bar) 3000 kPa
Max operating pressure	(10 bar) 1000 kPa
Tightening torque	20...30 Nm

RBM spa reserves the right to improve and change the described products and related technical data at any moment and without prior notice: always refer to the instructions attached with the supplied components; this sheet is an aid, should the instructions be extremely schematic. Our technical office is always at your disposal for any doubt, problem or explanation.

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