



# BULGARKONTROLA S.A.

**CARGO & DAMAGE SURVEYS, LABORATORY ANALYSES,  
CONFORMITY ASSESSMENT & TECHNICAL INSPECTIONS,  
MANAGEMENT SYSTEMS, ORGANIC CERTIFICATION**

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## CERTIFICATE OF CONFORMITY

**14 – НУРВСИРСБ – 3339**

Issued pursuant to Art. 14, par. 2 of the Regulation № ПД-02-20-1 on 05.02.2015 on the terms and conditions for use of construction products in the construction of the Republic of Bulgaria on Ministry of Regional Development and Public Works for the **construction product**

### **FITTINGS MADE OF HIGH-DENSITY POLYETHYLENE (HDPE 100) With trade mark "Tega"**

are designed for construction of potable water supply systems, with product range, operating pressure, dimensions and evaluated characteristics in accordance with national requirements as per Supplement № 1 to this Certificate

placed on the market by  
**INDUSTRIAL PARTS Ltd**  
**6100 Kazanlak, South Industrial Zone, mailbox 24**  
**Id No 201549826**

manufactured by  
**TEGA Mühendislik Sanayi ve Ticaret A.Ş.**  
**1.Organize Sanayi Bölgesi, Ural Caddesi № 9**  
**06930, Sincan /Ankara, TURKEY**

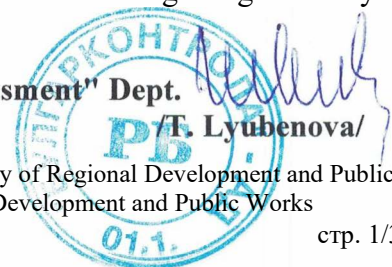
This certificate certifies that the product has been evaluated and meets national requirements set out in

**BDS EN 12201-3:2011+A1:2013**  
**BDS EN 12201-3:2011+A1:2013/ NA:2014**  
*and item 8 of Annex 2 to item 2 of Order № 02-14-1329 from 03.12.2015,  
of the Minister of Regional Development and Public Works*

The certificate was issued for the first time on **10/02/2020** and remains valid for three years until **09/02/2023**, the provided that the manufacturer ensures consistency of product characteristics and the conditions of production or production control have not been changed significantly.

**Place: Sofia**  
**Date: 10/02/2020**

Director of "Conformity Assessment" Dept.  
**T. Lyubanova/**



BULGARKONTROLA S.A.– Sofia with identification number 14 of register Ministry of Regional Development and Public Works  
Permit № ПОСЦИ-14 on 15.09.2016, issued by Ministry of Regional Development and Public Works

FC/CPNR -7-3.9/02

стр. 1/3

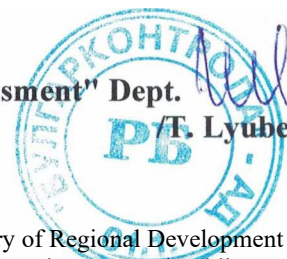


**1. Product range, operating pressure and dimensions**

Product range	SDR	PN (bar)	Nominal dimension d (mm)
<b>Butt welded fittings "Spigot"</b>			
Equal tee 90°	17	10	Ø 63 ÷ Ø 450
	11	16	Ø 40 ÷ Ø 450
Reduced tee 90°	17	10	Ø 110/63 ÷ Ø 630/500
	11	16	Ø 63/40 ÷ Ø 630/500
Reduced cross tee 90°	17	10	Ø 110/90 ÷ Ø 630/500
Reducer	17	10	Ø 75/63 ÷ Ø 900/800
	11	16	Ø 32/20 ÷ Ø 900/800
Elbow 11°,15'; Elbow 22°,30'; Elbow 30°; Elbow 45°; Elbow 60°; Elbow 90°	17	10	Ø 63 ÷ Ø 315
	11	16	Ø 20 ÷ Ø 315
End cap	17	10	Ø 63 ÷ Ø 315
	11	16	Ø 20 ÷ Ø 315
Flange adaptor	17	10	Ø 63 ÷ Ø 1600
	11	16	Ø 20 ÷ Ø 1000
Flange	17	10	Ø 15 ÷ Ø 1600
	11	16	Ø 95 ÷ Ø 1915
<b>Electrofusion fittings "EF"</b>			
Coupler	26	6	Ø 63 ÷ Ø 1600
	17	10	Ø 160 ÷ Ø 1600
	11	16	Ø 20 ÷ Ø 1000
	9	20	Ø 63 ÷ Ø 630
	7,4	25	Ø 63 ÷ Ø 630
Tapping tee	11	16	Ø 40x20 ÷ Ø 355x63
Saddle	11	16	Ø 40x20 ÷ Ø 450x63
Valve tapping tee	11	16	Ø 63x20 ÷ Ø 280x63
Saddle	11	16	Ø 110x90 ÷ Ø 1600x500
Repair saddle	11	16	Ø 63 ÷ Ø 450
EF Equal tee	11	16	Ø 25 ÷ Ø 125
EF Reducer	11	16	Ø 32x20 ÷ Ø 125x110
EF Elbow 90°	11	16	Ø 25 ÷ Ø 125
EF Elbow 45°	11	16	Ø 25 ÷ Ø 125
EF End cap	11	16	Ø 20 ÷ Ø 280
<b>PE/Steel screwed transition "Spigot"</b>			
Fitting-male	11	16	Ø 20x ½ " ÷ Ø 75x2 ½ "
Fitting-female	11	16	Ø 20x ½ " ÷ Ø 75x2 ½ "
<b>PE/Brass screwed transition "Spigot"</b>			
Fitting-male	11	16	Ø 20x ½ " ÷ Ø 63x2"
Fitting-female	11	16	Ø 20x ½ " ÷ Ø 63x2"

Place: Sofia  
Date: 10/02/2020

Director of "Conformity Assessment" Dept.   
T. Lyubanova/





## 2. Evaluated characteristics in accordance with national requirements

Characteristics	Requirement to declare / border level
Appearance	Smooth and clean surface without pores, According item 5.1. of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Colour	Color black, According item 5.3. of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Geometrical characteristics, mm	According table ,2,3,B1 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Hydrostatic strength, (80 °C/165 h, и 80 °C/1000 h )	No failure during test period of any test According table 4 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Melt mass - flow rate (MFR), 190°C, 5 kg/10min	Change of MFR by processing $\pm 20$ % According table 7 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Oxidation time (OIT), min	> 20 min According table 7 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Decohesive resistance for electrofusion socket fittings	< $L_2/3$ According table 4 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Cohesive resistance for electrofusion fittings with saddle	$L_d \leq 50$ % и $A_d \leq 25$ %, According table 4 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Tensile strength for fabricated fittings , N/mm <sup>2</sup>	plastically destruction According Annex B of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Impact resistance of tapping tees	No failure, no leaks According table 4 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Tensile strength of front welding between connecting parts for butt welding, N/mm <sup>2</sup>	Plastically destruction According item 7, tabl.4 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014

Place: Sofia  
Date: 10/02/2020

Director of "Conformity Assessment" Dept.   
T. Lyubenova/

