

# Certificate

## of conformity

**Certificate No:**

**018-НУРВСПСРБ-062**

Issued according to Article 14, paragraph 1 of Ordinance No. РД-02-20-1/ 05.02.2015 on the terms and conditions for use of construction products in the construction of the Republic of Bulgaria (НУРВСПСРБ) of the Ministry of Regional Development and Public Works for construction products:

**Construction product:**

**DUCTILE CAST IRON FITTINGS FOR WATER SUPPLY**

**Intended use:**

For potable water supply

**Placed on the market by:**

**METALSKA INDUSTRIJA VARAŽDIN d.d. (MIV d.d.)  
33, Fabijanska, 42000 Varaždin, Croatia**

**Manufacturing plant:**

**METALSKA INDUSTRIJA VARAŽDIN d.d. (MIV d.d.)  
33, Fabijanska, 42000 Varaždin, Croatia**

**Confirmation:**

This certificate attests that the product is assessed and complies with the national requirements given in:

**BDS EN 545:2010; BDS EN 12842:2012 and Annex 3, cl. 7.1 and 7.2 of Order No. РД-02-14-1329 dated 03.12.2015 of the Ministry of Regional Development and Public Works**

**Date of first issue:**

27.06.2019

**Period of validity:**

The certificate remains valid until 26.06.2025, as long as the manufacturer ensures consistency of the characteristics of the product, and the conditions in the factory or the factory production control itself are not modified significantly.

**Annexes:**

Annex 1

**Place and date of issue:**

Sofia, 05.09.2022

Conformity Assessment Body for Construction Products, ID No.18  
TÜV RHEINLAND BULGARIA Ltd.  
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Dipl. Eng. V. Pupova  
Deputy Head of CABCP

**Annex 1**  
**To Certificate № 018–HYPBCПCPБ–062**

**DUCTILE CAST IRON FITTINGS FOR WATER SUPPLY**  
**for potable water supply**

Placed at the market by  
**METALSKA INDUSTRIJA VARAŽDIN d.d. (MIV d.d.)**  
33, Fabijanska, 42000 Varaždin, Croatia

Produced by  
**METALSKA INDUSTRIJA VARAŽDIN d.d. (MIV d.d.)**  
33, Fabijanska, 42000 Varaždin, Croatia

No	NAME OF THE PRODUCT	DN mm	PN bar
<b>I. Ductile cast iron (GGG) fittings for connection with ductile cast iron pipes</b>			
701	Flanged spigot pieces F-Piece	40+1200	10/16
844	Flanged belimounths	80+600	10/16
713	Double flanged 1/4 bends 90°Q 90°	50+800	10/16
714	Double flanged duckfoot bends 90°N 90°	50+600	10/16
715	Double flanged 1/8 bends 45°FFK 45°	50+800	10/16
816	Double flanged 1/12 bends 30°FFK 30°	50+800	10/16
817	Double flanged 1/16 bends 22 1/2°FFK 22 1/2°	50+800	10/16
818	Double flanged 1/32 bends 11 1/4°FFK 11 1/4°	50+800	10/16
719	All flanged tees T	50/50+700/700	10/16
729,730	Double flanged pipes- welded- on flanges FFS	80+600	10/16/25/40
721	All flanged crosses TT	80+700	10/16
722	Double flanged tapers FFR	50/40+700/600	10/16
764	Double flanged flat tapers FFRE	125/50+600/500	10/16/25/40
727,728,728b	Double flanged collars FFG	40+1200	10/16/25
728c	Double flanged collars FFG	40+300	40
747	Fitting pieces with wall flanged FFM	60+600	10/16/25/40
784	Adjustment bend SH	80+100	10/16
720	Blank flanges X	60+1200	10/16/25
731	Tappers flanges XR	60/40+600/450	10/16
740	Fast connection (Flange adaptor) E-BS System DELTA	50+400	10/16
742	Fast connection (Coupling) U-BS System DELTA	50+400	10/16
743	Self anchoring join for Fast connection BS System DELTA	75/80+300/315	10/16
780	Pipe connection doublechamber - special flange (Combi flange)	50+300	10/16

No	NAME OF THE PRODUCT	DN mm	PN bar
V7-11	Dismantling piece type MDKK	150÷1000	10
V7-02	Expansion joints	40÷1000	10/16
V5-03	Drilling saddle with valve for cast, steel and AC pipes installation	40/1"÷300/2"	10/16
V5-04	Drilling saddle with valve and installation equipment	40/1"÷300/2"	10/16
V5-07	Drilling saddle for plastic pipes	50/1"÷315/2"	10/16
V5-08, V5-08A	Valve for drilling saddle	1"÷2"	10/16
V5-09	Drilling saddle with valve for plastic pipes	40/1"÷225/1"	10/16
V5-10	Drilling saddle with valve and installation equipment for plastic pipes	40/1"÷225/1"	10/16
V5-12A	Drilling saddle with valve type 'MIV' for cast, steel and AC pipes installation	80/1"÷300/1 1/2"	10/16
V5-12B	Valve for drilling saddle type 'MIV'	1"÷2"	10/16
V5-12C	Straps for drilling saddle	80÷300	10/16
V5-12d	Adapter for drilling saddle with female and male thread	1"÷2"	10/16
V5-12E	Drilling saddle without valve for cast, steel and AC pipes installation	80/1"÷300/2"	10/16
V5-12F	Drilling saddle without valve for cast, steel and AC pipes installation	40/1"÷65/1 1/2"	10/16
V5-17	Drilling saddle with valve for plastic pipes	63/1"÷315/2"	10/16
<b>II. Fittings with TJ sockets for connection with ductile cast iron pipes</b>			
751	Flange and tyton socket pieces EU	60÷1200	10
752	Tyton bends 11 1/4° MMK 11	60÷1200	10
753	Tyton bends 22 1/2° MMK 22	60÷1200	10
754	Tyton bends 30° MMK 30	80÷1200	10
755	Tyton bends 45° MMK 45	60÷1200	10
756	Tyton bends 90° MMQ 90	60÷1000	10
757	Tyton bends duckfoot 90° EN	80÷100	10
758	Tyton concentric tapers MMR	80/60÷800/700	10/16
759	Tyton tees MMB	60/60÷300/300	10/16
760	Flange on tyton tees MMA	60/50÷1200/1000	10/16
761	Double socket collars U	60÷1200	10/16
762	Socket bends 11 1/4° with tyton sockets MK 11	80÷300	10
763	Socket bends 22 1/2° with tyton sockets MK 22	80÷300	10
764	Socket bends 30° with tyton sockets MK 30	80÷300	10
765	Socket bends 45° with tyton sockets MK 45	80÷300	10
766	Socket bends 90° with tyton sockets MQ 90	100÷400	10

№	NAME OF THE PRODUCT	DN mm	PN bar
<b>III. Ductile cast iron (GGG) fittings for connection with PE/PVC pipes</b>			
P-951	Flanged socket pieces E-KS	50÷500	10/16
P-952	Flanged spigot F-KS	50÷500	10/16
P-953	Double socket tees with flanged branch MMA-KS	50/50÷300/300	10/16
P-961	Flanged socket 90° duckfoot bend EN-KS	80÷100	10/16
738	E-PE-HD Connection E-PE-HD	50÷300	10/16
P-953A	Double socket tees with flanged branch MMA-PE-HD	50/50÷300/300	10/16
P-953B	Double socket tees U-PE-HD	63÷315	10/16
P-961A	Flanged socket 90° duckfoot bend EN-PE-HD	80÷100	10/16
P-965	Flanged tees MMB-PE-HD	63÷225	10/16
P-967	90° Bend Q-PE-HD	63÷225	10/16
781	Pipe connection doublechamber - special flange (Combi flange)	50÷300	10/16

05.09.2022  
Sofia, Bulgaria

Deputy Head of  
Conformity Assessment Body:



/Eng. V. Pupova/