

## Usage Instruction of whiteheart malleable cast iron fittings brand EE



### 2. Whiteheart malleable cast iron pipe fittings EE brand

#### The offered range:

- dimension  $\frac{1}{4} \div 4$
- assortment in accordance with EN 10242 and ISO 49 catalogues of Odlewnia Żeliwa Spółka Akcyjna in Zawiercie

**Grade of material :** whiteheart malleable cast iron EN-GJMW – 400 – 05 according to EN 1562 equivalent of W 40-05 according to ISO 5922.

**Appropriation:** for water, central heating, gaseous, steam-driven, fire-proof and other installations, for transmitting liquids and non-aggressive gases – to perform at the highest admissible working pressure and temperature ranges quoted in the table:

	TEMPERATURE °C									
	-20 to 120	140	160	180	200	220	240	260	280	300
Max. pressure	25	24,45	23,9	23,3	22,8	22,2	21,7	21,1	20,5	20

1 bar = 0,1 MPa

Cast Iron fittings EE brand are characterized by high quality standard it means proper surface finish, dimensional stability, stability of the cast iron structure by keeping hardness, plasticity and strength.

They fulfill the requirements of A constructional symbol it means :

- threads are according to ISO 7-1: external – taper R and internal – cylindrical (Rp).

Threads of backnuts, union nuts and threads working with them – according to ISO 228-1

- range from  $\frac{1}{4}$ " – 51/2 – of the symbol G

Combinations of the threads connections:

To obtain tight connection it is needed to use the following combination: internal thread Rp – external thread R. Connection of the external cylindrical thread G with internal cylindrical thread Rp is risky as it may finish with the leaky installation. The leaky installations may be the results of the following combinations :

- connection of the external thread G with internal thread G
- connection of the external thread R with internal thread G

**Other informations are available in the catalogues of Odlewnia Żeliwa Spółka Akcyjna.**