



Certificate No.: FF24C201-1

TAIYUAN FF FLANGES & FITTINGS CO.,LTD.

Exporter: SP1 FITTINGS INC

Name of Material: DUCTILE IRON

TEST CERTIFICATE

Date of Report: JUN.15.2024

Materials Standard: ASTM A536

			Exterior inspection			Delivery status		
ASTM A536 Gr 65/45/12			QUALIFIED			FINISHED GOODS		
Name of material			Chemical composition %					
Furnace No.	C	Si	Mn	P	S	Re	Mg	/
	3.50-3.90	2.25-3.00	0.15-0.35	0.050Max	0.025Max			/
242035	3.58	2.32	0.20	0.035	0.018	0.025	0.042	/
242039	3.62	2.40	0.18	0.042	0.022	0.029	0.043	/
242028	3.54	2.35	0.23	0.036	0.015	0.026	0.042	

Mechanical Capability								
Furnace No.	Size of sample		Temp.	T.S(Mpa)	Y.S(Mpa)	Y.L(%)	(HB)	(Nodularity)
	D(mm)		R.T	≥448	≥310	≥12	≤230	≥80%
242035	12.5	50	R.T	472	335	13	183	87%
242039	12.5	50	R.T	480	340	15	176	89%
242028	12.5	50	R.T	485	342	13	185	85%

The Ductile Iron Backup Rings are made according to the ANSI B16.5 Class150, Coating : Fusion Bound Epoxy in Blue Color

Description	Code	Size	Furnace No.	Quantity	Description	Code	Size	Furnace No.	Quantity
DUCTILE IRON BACKUP RING	SDR7	2"	242035	400	DUCTILE IRON BACKUP RING	SDR7	8"	242028	1500
DUCTILE IRON BACKUP RING	SDR7	3"	242035	800	DUCTILE IRON BACKUP RING	SDR7	10"	242028	800
DUCTILE IRON BACKUP RING	SDR7	4"	242039	2000	DUCTILE IRON BACKUP RING	SDR7	12"	242039	900
DUCTILE IRON BACKUP RING	SDR7	6"	242035	2500					

We hereby certify that material here in described has been manufactured,inspected and tested in accord with above standard

signature:

Supplier stamp:

