

UNION LOCK



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**CYCLONE
DIP TUBES**

•• Our Company

Union-Lock Industrial and Trading Corporation is a premier multi-product, multi-service marketing outfit in the Philippines, which is known for providing top-of-class products and services to a range of industries. It serves as its main markets the cement plant, power plant, and food manufacturing industries.

Established in 1999, Union-Lock Industrial and Trading Corporation is the successful result of years of extensive experience and training by its founders, known experts in the business who have previously made significant contributions to a larger, veteran corporation in the same category. Equipped with broad knowledge, proven skills, and unwavering determination, they have created a thriving business boasting an impressive roster of fully serviced, satisfied clientele.



UNION LOCK

What We Offer

SEGMENTED, PRE DESIGNED

For ease of installation

SAFE TO INSTALL

Designed for safe handling during installation
Designed with allowance for thermal expansion

FORGED AND WELDED

For durability
Welded using special electrodes

FABRICATED BY JUNG WON OF SOUTH KOREA

Guaranteed for durability
Expected to last for at least 3 years
Pre assembled and subject to inspection at
factory of Jung Won

MADE FROM GENUINE AVESTA 253 MA PLATES

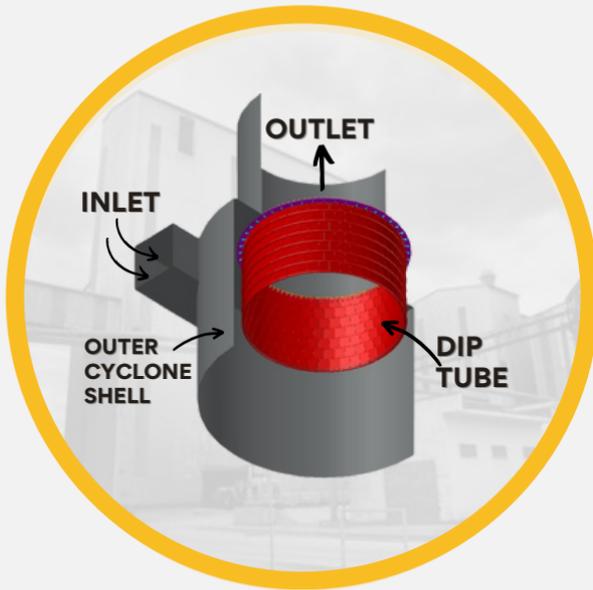
For high temperature resistance
Wear resistance
Corrosion resistance
Suited for use even when burning RDF / AFR

REASONABLE COST

Long term cycle time computation

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*Great
Services for
Your Business*

•• SEGMENTED DIP TUBE



In the pre-heater cyclones, there is a progressive fall of the raw mix, which moves towards the inlet sleeve of the rotary kiln, absorbing the heat from the hot outlet gases coming from the calciner kiln; the heat exchange is made more efficient by the dip tube composed of circular rings made up of segments that fit together one on top of the other .

UNION LOCK

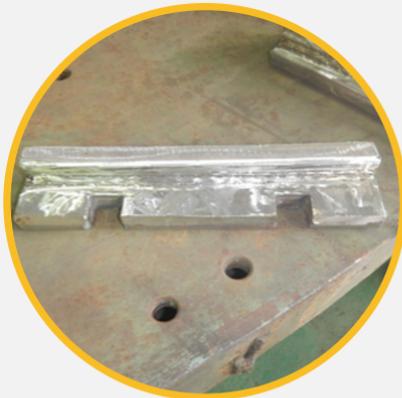
DIP TUBE PARTS



SEGMENTS



STIFFENERS



LOCK

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*Great
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Your Business*

•• DIP TUBES ON-SITE INSTALLATION



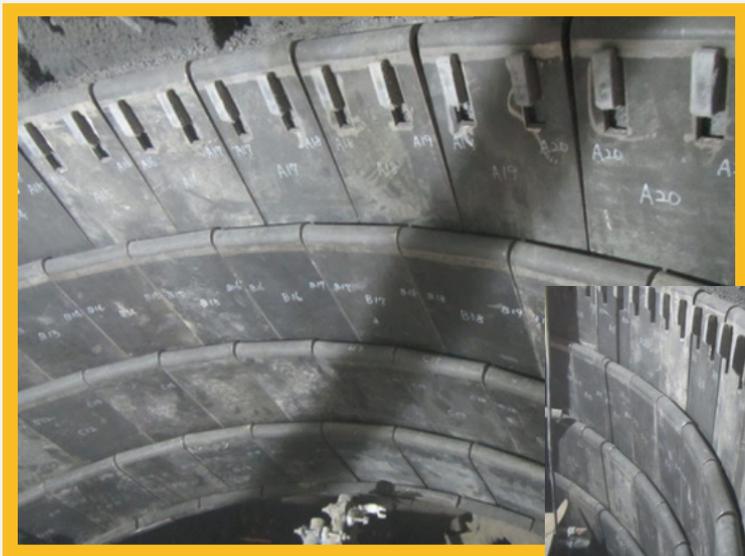
•• INSTALLED SEGMENTED DIP TUBE



We guarantee 3 years

Guarantee holds even if the user is burning RDF/ AFR

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UNION LOCK

PRE ASSEMBLY OF DIP TUBE



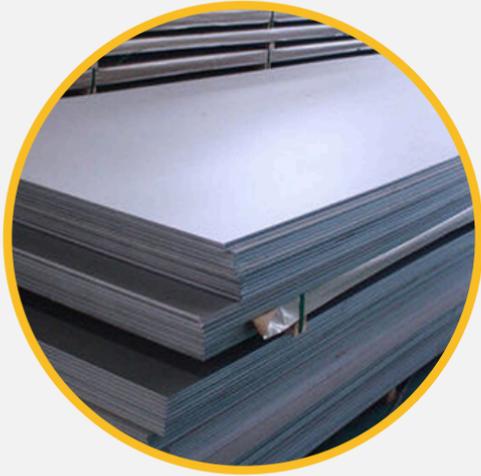
In Jung Won Shop in
South Korea

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DIP TUBE MATERIALS



AVESTA 253 MA – OUTOKUMPU

Designed for welding the high temperature steel Outokumpo 253 MA, used for example in furnace, combustion chambers Burners etc. 253 MA has a tendency to give a thick oxide layer during Welding and hot rolling. Excellence resistance to high temperature corrosion.

Not intended for applications exposed to wet corrosion.

UNION LOCK

AVESTA 253 MA

BASE MATERIALS

Outokumpu	EN	ASTM	BS	NF	SS
153 MA™	1.4818	S30415	-	-	2371
253 MA®	1.4835	S30815	-	-	2368

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MECHANICAL PROPERTIES OF ALL-WELD METAL

Heat treatment	Yield Strength R _{p0.2}	Tensile Strength R _m	Elongation (L ₀ =5d ₀)	Impact work ISO-V KV J	Hardness
	MPa	MPa	%	+20 °C	Brinell
u	440	680	38	130	210
u	untreated, as welded – Shielding gas Ar + 30 % He + 2.5 % CO ₂				

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Customer Reference

CUSTOMER (PLANT)	KILN LINE NO. /CYCLONE NO.	DATE INSTALLED	REMARKS
YEAR 2017			
APO CEMENT (CEMEX)	KILN LINE NO. 2/ CYCLONE NO. 1B	JUNE – 17	STILL ACTIVE
YEAR 2018			
RCBMI (NORZAGARAY PLANT)	2 ND GEN / CYCLONE NO. 2	MARCH – 19	N/A
	2 ND GEN / CYCLONE NO. 3	MARCH – 18	STILL ACTIVE
	2 ND GEN / CYCLONE NO. 4	MARCH – 18	STILL ACTIVE
YEAR 2021			
APO CEMENT (CEMEX)	KILN LINE NO. 2/ CYCLONE NO. 1B	ESTIMATED INSTALATION SEPTEMBER 2024	PENDING
YEAR 2022			
APO CEMENT (CEMEX)	KILN LINE NO. 1/ CYCLONE NO. 5	PENDING	PENDING

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Great Services for Your Business

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Contact Us

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