

# LKT-312

# LKM-312



LINKWELD ALLOYS INC.

AWS A5.9 ER312  
JIS Z3321 Y312

## Characteristics:

It is austenitic stainless steel filler metal for welding of 29%Cr-9%Ni types. It is widely used for joining of dissimilar metals to join 300 series stainless steels to carbon or low alloy steels.

## Applications:

Typical applications include marine, re-conditioning and refurbishment industries.

## Notes on Usage:

1. For TIG process, use DC(-) current, Argo Shield and Tungsten Electrode.
2. For MIG process, use Spray Transfer or Short Circuit Transfer mode.
3. 98%Argon – 2%O<sub>2</sub> shielding gas is recommended in MIG process.

## Typical chemical composition of weld metal (wt%)

C	Cr	Ni	Mn	Si
0.03	29.50	9.50	1.20	0.50

## Typical mechanical properties of weld metal

TS N/mm <sup>2</sup>	EL %
710	26

## Sizes available

MIG Solid Wire(mm)	0.8	0.9	1.0	1.2
TIG Rods(mm)	1.6	2.0	2.4	3.2