

Applications

Ship engine, Heat exchanger, Sea plant, Chemical plant, FGD, etc.

Characteristics on Usage

- ① SM-455 and ST-455 has high level of corrosion resistance in multiple chemical environment(chlorine, formic acid, acetic acid, sea water).
- ② SM-455 and ST-455 have high level of stability, resistance of stress, corrosiveness and oxidation.
- ③ Avoid high level of heat treatment.

Shielding Gas

Ar, Ar+He

Typical Chemical Composition of Wire (%)

C	Si	Mn	P	S	Cr	Ni	Mo	Fe
0.013	0.05	0.01	0.004	0.003	17.5	65.0	15.0	2.5

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)
700 (101,000)	40.0

Packing

SM-455	Size(mm)	1.0	1.2	1.4	1.6
	Weight	Spool: 12.5kg			
ST-455	Size(mm)		2.0	2.4	3.2
	Weight	5kg*1,000mm			