



Tube-Alloy[®] 242-O

RECOMMENDED OPERATING PARAMETERS:

DIAMETER		TYPE OF POWER	STICK-OUT		OPTIMUM AMPS	VOLTS	DEPOSITION RATE	
INCHES	MM		INCHES	MM			AMPS	LB/HR
.045	1.2	DCEP	1/2-1	13-25	120-160	19-23	130	4
					160-190	24-25	180	7
					190-230	26-27	220	10
1/16	1.6	DCEP	1 1-1/2	25—38	225—275	23—25	200	6
					275—350	24—27	250	10
					350—400	26—29	300	14
7/64	2.8	DCEP	1 - 1/2 - 2	38-51	350 - 400	24 - 27	300	11
					400 - 450	26 - 29	350	14
					450 -500	28 - 32	400	18

Start with **middle ranges** and adjust accordingly. Higher amperages will increase deposition rate, dilution, and heat input to base metal, increasing voltage will widen and flatten bead profile, but excessive voltage will result in porosity. Too much electrical stick-out may result in increased spatter, too little may result in internal porosity.

AVAILABLE DIAMETERS AND PACKAGES:

DIAMETER		25-LB.	60-LB.
INCHES	MM	SPOOL	COIL
.045	1.2	S604212-029	—
1/16	1.6	S604219-029	S604219-062
7/64	2.8	—	S604239-062

APPLICATIONS:

- Carbon Steel Frogs
- Carbon Steel Rolls
- Crane Wheels
- Idlers
- Rail Ends
- Steel Shafts
- Switch Points
- Tractor Rollers