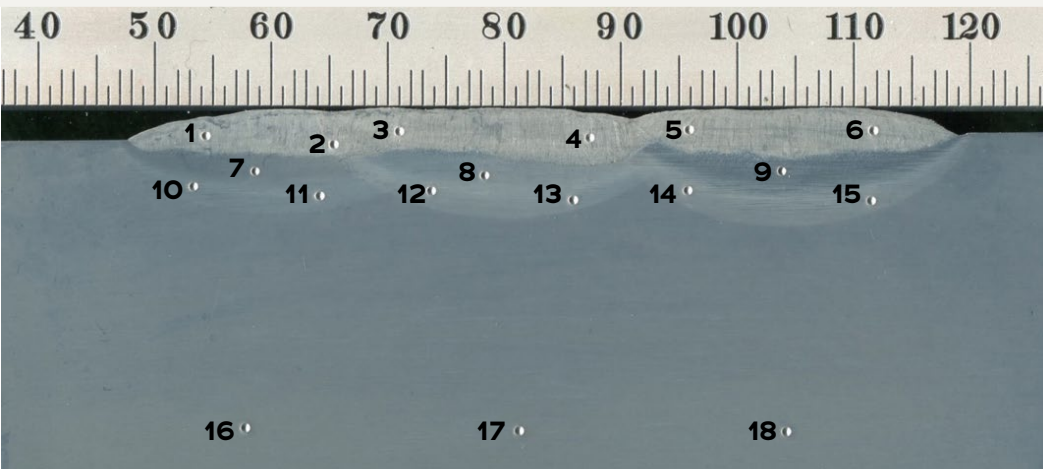




Arnco **BUXT™** is a low alloy build-up wire ideally suited for repairing and rebuilding tool joint steel.

While off-the-shelf mild steel products may or may not meet the demands of a down-hole environment, **BUXT™** creates a deposit which mimics the chemistry and mechanical properties of a new tool joint, ensuring the integrity of the pipe while providing a “Like New” surface for the application of hardbanding. Though industry standards allow tool joint steel to present hardness values from 30 to 36 HRC, applying the same exacting standards of manufacturing as other Arnco products enables **BUXT™** to produce consistent hardness values from 31 to 33 HRC.



Through-wall hardness testing of the BUXT™ and the Heat Affected Zone (HAZ), with results similar to tool joint steel (~30-36)

BUXT™		HEAT AFFECTED ZONE		BASE MATERIAL	
Location	Hardness HRC	Location	Hardness HRC	Location	Hardness HRC
1	31.9	7	38.0	16	31.7
2	32.1	8	37.0	17	31.1
3	31.8	9	37.5	18	31.7
4	32.5	10	37.8		
5	31.4	11	34.8		
6	31.8	12	33.9		
		13	32.3		
		14	35.5		
		15	33.9		
Minimum:	31.4	Minimum:	32.3		
Maximum:	32.5	Maximum:	38.0		
Maximum Variation within HAZ:			5.7		
Max. Variation between HAZ and Base:			6.9		