

## SP 1.4370

**CATEGORY** Metal spray wires

**TYPE** High Manganese alloyed stainless steel wire. Excellent wearing qualities and good corrosion resistance

**APPLICATIONS** Recommended for applications where high corrosion resistance and relatively low wear protection are required. SP 1.4370 is good for general machine element work including hydraulic rams, rolls and for applications in the food industry.

**PROPERTIES** Coatings of SP 1.4370 exhibit low shrink and are recommend for internal diameters, particularly where thick coatings are needed. Using the combustion wire spray process, SP 1.4370 coatings can be sprayed thicker than SP 1.4316 coatings, but not as thick as SP 420 coatings.

**CLASSIFICATION**

AWS	A 5.9: ER 307 (mod.)
EN ISO	14343-A: G 18 8 MnSi
	14343-B: SSZ307
DIN: W.Nr.	1.4370
DIN	8556: SG X15CrNiMn 18 8

**SUITABLE FOR** Metals spray wire with good corrosion resistance and low shrink factor, recommended for inside diameters.

**APPROVALS** CE approved

**WELDING POSITIONS:**



C	Mn	Si	Cr	Ni	P	S
<0.12	6.5	0.6-1.0	18.5	8.5	<0.025	<0.025

### MECHANICAL PROPERTIES

Heat Treatment	R <sub>p0,2</sub> (N/mm <sup>2</sup> )	R <sub>m</sub> (N/mm <sup>2</sup> )	A <sub>5</sub> (%)	Impact Energy (J) ISO-V			Hardness HB
				-20°C	-40°C	-60°C	
							210-400

### SPRAY PARAMETERS / PACKING

Process Parameters			Packing	
D (mm)	Voltage (V)	Current (A)	spool type	kg / spool
1.6	27-29	100-280	S-300	15
3.17	29-32	150-380	K-415 / H-420	25
4.76	29-34	250-450	Coils	25

**REDRYING TEMPERATURE** not required