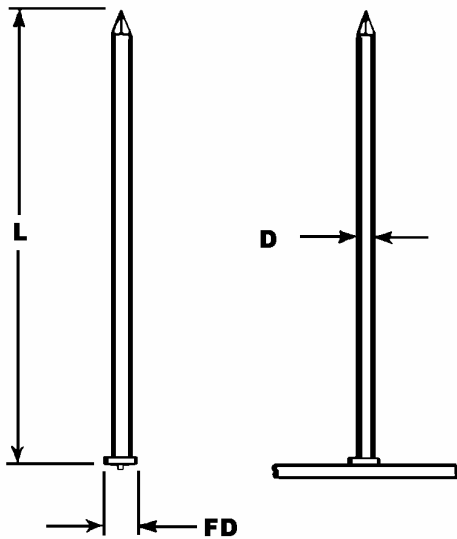


WELD PINS

STANDARD WELD PIN (CD)

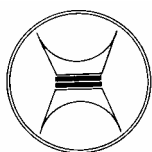


PIN

		STEEL	ALUMINUM
SIZE	D	FD	FD
14 GAUGE	.080	.160	-
12 GAUGE	.105	.180	.230
10 GAUGE	.135	.195	.250
LENGTH AS REQUIRED			

**Blunt point now available.

MATERIAL: LOW CARBON STEEL C - 0.23% max. P-0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI grade - 302/304/305 std. Other grades available upon request.
MECHANICAL PROPERTIES: Tensile 60,000 psi(min.) Yield 50,000 psi(min.) Elongation 20,000 (in 2 inches)	Values for various grades available upon request.
PLATING: Galvanized Plating is standard. Copper & other plating available.	Does not apply to Stainless.
ANNEALING: Can be annealed where required.	Can be annealed where required.
MATERIAL: ALUMINUM Alloy - 1100-H14 standard. Other alloys available upon request.	
MECHANICAL PROPERTIES: Values for aluminum alloys available upon request.	
APPLICATION: This is considered the "standard" weld pin, and is used in most applications. This pin is best used when you are working with clean metal. If rust, oil, or paint is present, cleaning or grinding may be required.	

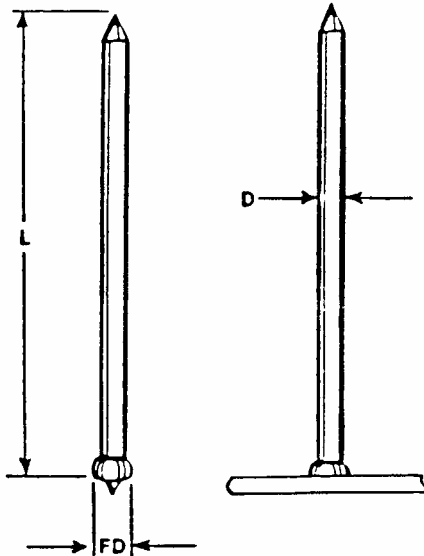


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 INTERNET: hanlonequipment.com



WELD PINS

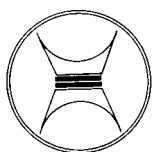
SURE FIRE/SURE SHOT (CD OR ARC)



PIN

SIZE	D	L	FD
12 GAUGE	.105	AS REQUIRED	.171
10 GAUGE	.135	AS REQUIRED	.195

MATERIAL: LOW CARBON STEEL C - 0.23% max. P-0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI grade - 302/304/305 std. Other grades available upon request.
MECHANICAL PROPERTIES: Tensile 60,000 psi(min.) Yeild 50,000 psi(min.) Elongation 20,000 (in 2 inches)	Values for various grades available upon request.
PLATING: Galvanized Plating Standard Copper & Other Plating available.	Does not apply to Stainless.
ANNEALING: Can be annealed where required.	Can be annealed where required.
APPLICATION: Standard pin used on coal fired power plant boiler tubes. Originally designed for welding to surfaces covered with mill scale, rust, or paint without costly preparation. Heavy CD equipment required. Hanlon experience shows limited success by this method. Hanlon recommends these pins be used only with Arc Stud type equipment.	

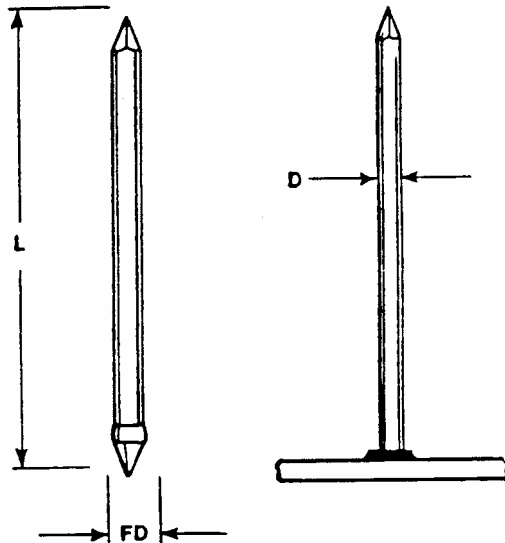


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WELD PINS

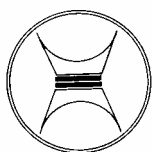
POWER TIP/POWER POINT (CD OR ARC)



PIN

SIZE	D	L	FD
12 GAUGE	.105	AS REQUIRED	.171
10 GAUGE	.135	AS REQUIRED	.187

MATERIAL: LOW CARBON STEEL C - 0.23% max. P-0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI grade - 302/304/305 std. Other grades available upon request.
MECHANICAL PROPERTIES: Tensile 60,000 psi(min.) Yeild 50,000 psi(min.) Elongation 20,000 (in 2 inches)	Values for various grades available upon request.
PLATING: Galvanized Plating Standard Copper & Other Plating available.	Does not apply to Stainless.
ANNEALING: Can be annealed where required.	Can be annealed where required.
APPLICATION: Originally designed for welding to surfaces covered with mill scale, rust, or paint without costly preparation. Heavy CD equipment required. Hanlon experience shows limited success by this method. Hanlon recommends these pins be used only with Arc Stud type equipment.	

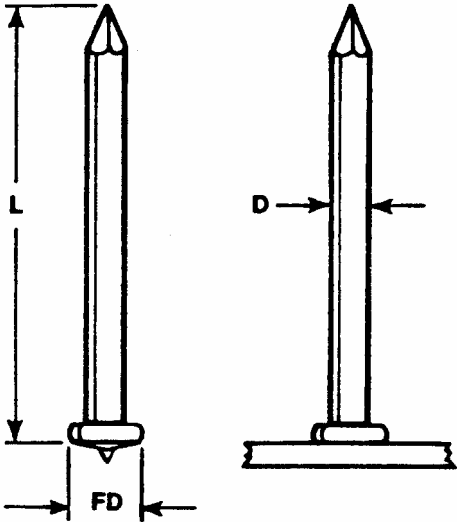


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WELD PINS

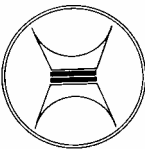
CONICAL TIP ALUMINUM (CD)



PIN

SIZE	D	L	FD
12 GAUGE	.105	AS REQUIRED	.220
10 GAUGE	.135	AS REQUIRED	.250

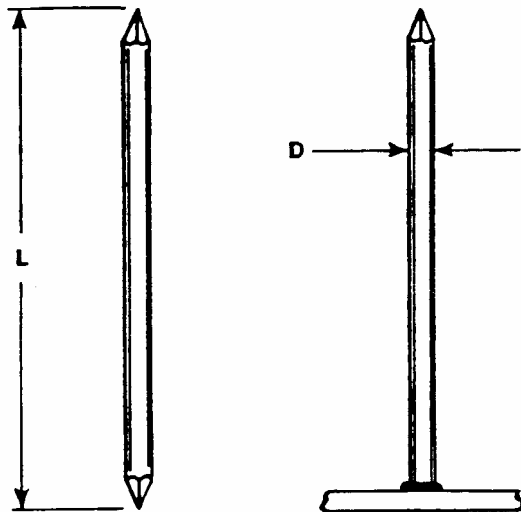
<p>MATERIAL: ALUMINUM Alloy - 1100 - H14 std. Other alloys available upon request.</p>
<p>MECHANICAL PROPERTIES: Values for various alloys available upon request.</p>
<p>APPLICATION: Ideally suited for welding to Stucco embossed panels.</p>



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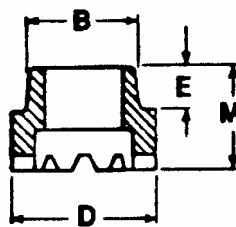
DOUBLE POINT (ARC)



PIN

SIZE	D	L	Ferrule Code
10 GAUGE	.135	AS REQUIRED	F135

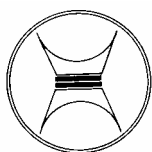
Other diameters available upon request.



FERRULE

CODE	B	D	E	M
F135	.281	.375	.156	.390

MATERIAL: LOW CARBON STEEL C - 0.23% max. P-0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI grade - 302/304/305 std. Other grades available upon request.
MECHANICAL PROPERTIES: Tensile 60,000 psi(min.) Yeild 50,000 psi(min.) Elongation 20,000 (in 2 inches)	Values for various grades available upon request.
PLATING: Galvanized Plating Standard Copper & Other Plating available.	Does not apply to Stainless.
ANNEALING: Can be annealed where required.	Can be annealed where required.
APPLICATION: This was the standard pin used in Power Plant applications many years ago. Must be welded with Arc Stud Equipment and requires use of ferrules. Hanlon considers this pin obsolete. Hanlon recommends Sure Fire Pins be used in place of double point pins. Sure fire pins are more easily applied and do not require ferrules.	

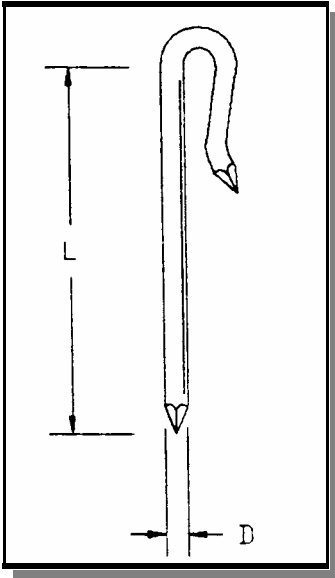


J - HOOKS

PIN

SIZE	D	L
10 GAUGE	.135	AS REQUIRED

Other diameters available upon request.



MATERIAL: LOW CARBON STEEL C - 0.23% max. P-0.04% max. Mn - 0.90% max. S - 0.05% max.	STAINLESS STEEL AISI grade - 302/304/305 std. Other grades available upon request.
MECHANICAL PROPERTIES: Tensile 60,000 psi(min.) Yeild 50,000 psi(min.) Elongation 20,000 (in 2 inches)	Values for various grades available upon request.
PLATING: Galvanized Plating Standard Copper & Other Plating available.	Does not apply to Stainless.
ANNEALING: Can be annealed where required.	Can be annealed where required.
APPLICATION: This is the standard insulation fastener used to secure insulation to wire mesh.	

