

ACT ALLOY NUT LOCATOR PINS AND ELECTRODES



Stainless steel and ceramics have long been used for manufacturing nut locator pins, and both have their disadvantages. Stainless steel needs extra insulation, which breaks down quickly from heat and grease. Ceramic is too brittle and pin breakage is frequent. That is why Dengensha America uses ACT alloy pins. ACT's proprietary coating withstands both high heat and high current and can be used without additional insulation.

LONGEST PIN LIFE, NO ARCING

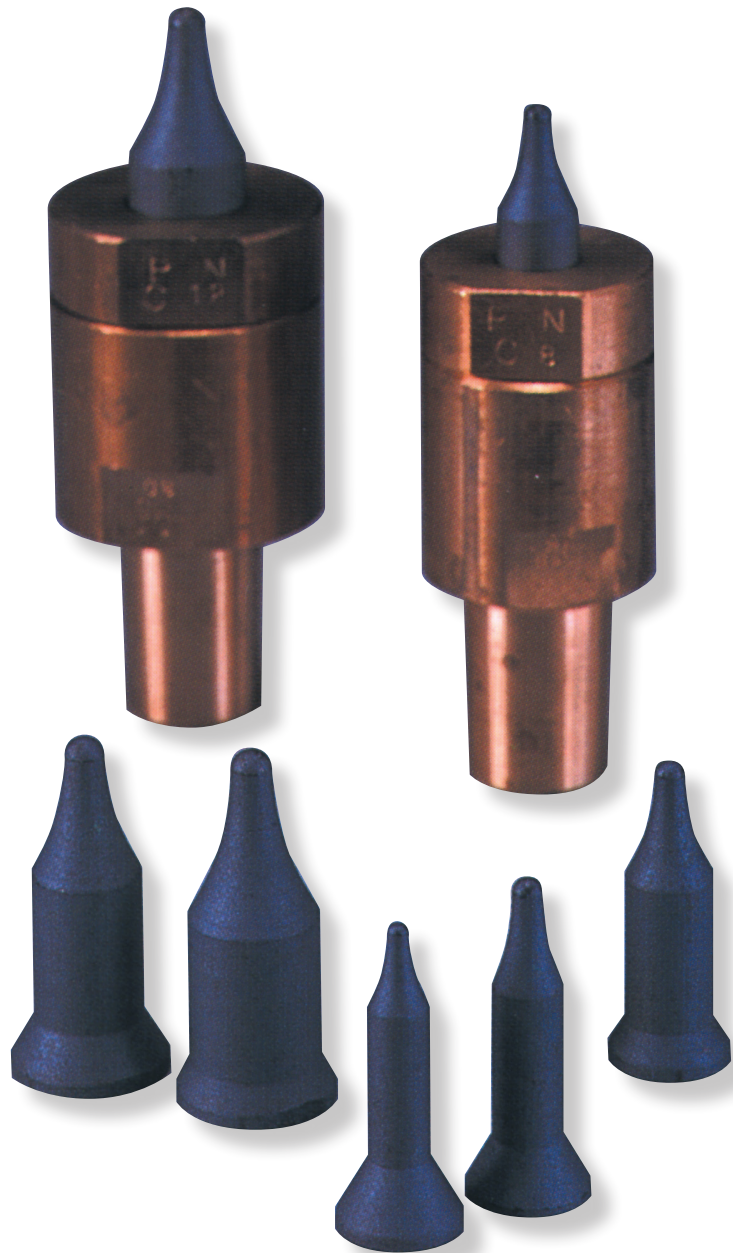
- ACT pins outlast KCF and ceramic coated pins by nearly 100%
- High quality steel-chromium alloy
- Eliminates arcing and virtually eliminates spatter accumulation
- Wear points (corners, transitions) are less damaged
- No cracking or spalling
- Minimal deterioration

BEST MATERIAL FOR A LOWER COST

- Evenly distributed insulating film
- Film hardness is more than 2,200 Vickers
- Pore-free surface
- Metallurgic stability to 2,000°F
- Overall strength of locator pin 50Rc
- Concentricity of weld nut location is consistently achieved

CUSTOMIZED TO MEET YOUR NEEDS

- Designed to work with two nut sizes: TP-M06/08 and TP-M08/10
- Various special shape locator pin designs available based on your application needs
- Dimensions can be customized
- Can be used for other welding location applications such as insulation sleeves for bolt welding
- Threads, male or female, can be machined into the ACT alloy for use in robotic application



UNBEATABLE QUALITY

Don't be fooled by "knock-offs." While there are many similar looking locator pins available in the market, none provide the exceptional wear capabilities and high reliability you can expect from Dengensha's ACT alloy pins.

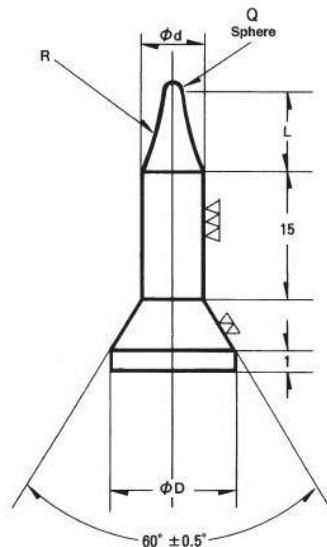
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STOCK ACT LOCATOR PINS

Part #	dØ	Tolerance	DØ	L	R	Q
TP-M04	5	-0.2 / -0.3	12	5.5	11.0	1.0
TP-M05	6	-0.2 / -0.3	12	7.5	15.0	1.0
TP-M06	7	-0.2 / -0.3	12	9.5	23.6	1.5
TP-M07	8	-0.2 / -0.3	12	10.5	23.6	1.5
TP-M08	9	-0.2 / -0.3	12	11.0	21.7	1.5
TP-M09	10	-0.2 / -0.3	12	11.0	21.7	1.5
TP-M10	11	-0.2 / -0.3	16	12.0	22.3	2.0
TP-M11	12	-0.2 / -0.3	16	13.5	22.3	2.0
TP-M12	13	-0.2 / -0.3	16	15.0	27.0	2.0
TP-M13	14	-0.2 / -0.3	16	15.0	27.0	2.0
TP-M14	15	-0.2 / -0.3	21	16	38	2.5
TP-M15	16	-0.2 / -0.3	21	16	38	2.5
TP-M16	17	-0.2 / -0.3	21	17	30	2.5
TP-M16.5	17.5	-0.2 / -0.3	21	17	30	2.5

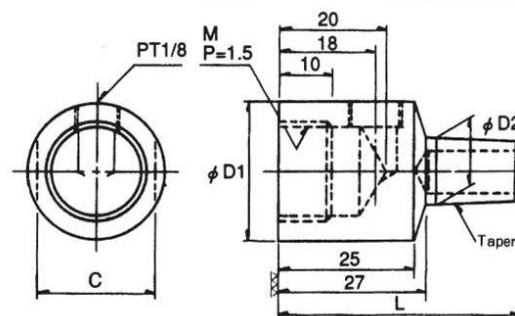
NOTE: When sizing the pin, the dimension dØ is sized to the stampings nut location hole size. NOT the nuts thread size.



MATERIAL: ACT

STOCK LOWER ELECTRODE BASES

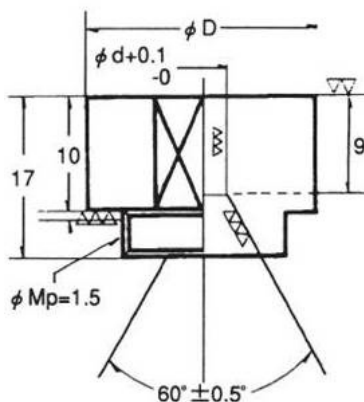
Part #	D1Ø	D2Ø	C	L	Taper	M
DH-25C	25	15.875	22	50	MT#2	18
DH-25D	25	16.0	22	50	1/10	18
DH-30A	30	15.875	27	50	MT#2	22
DH-30B	30	16.0	27	50	1/10	22
DH-35A	35	15.875	32	55	MT#2	27



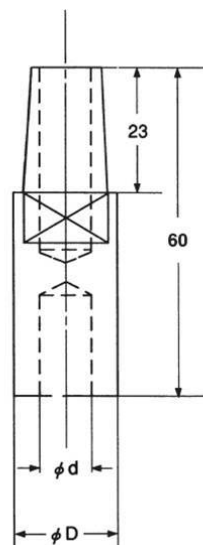
MATERIAL: CrCu2

STOCK CAP TIPS

Part #	DØ	dØ	M
CN-M04	25	5	18
CN-M05	25	6	18
CN-M06	25	7	18
CN-M07	25	8	18
CN-M08	25	9	18
CN-M09	25	10	18
CN-M10	30	11	22
CN-M11	30	12	22
CN-M12	30	13	22
CN-M13	30	14	22
CN-M14	35	15	27
CN-M15	35	16	27
CN-M16	35	17	27
CN-M16.5	35	17.5	27



MATERIAL: CrCu2



MATERIAL: CrCu2

STOCK UPPER ELECTRODES

Part #	Nut Size	DØ	dØ
NFD16-05-3	M5	16mm	5mm
NFD16-06-3	M6-M7	16mm	6mm
NFD16-08-3	M8-M9	16mm	8mm
NFD18-06-3	M6-M7	18mm	6mm
NFD18-08-3	M8-M9	18mm	8mm
NFD20-05-3	M5	20mm	5mm
NFD20-06-3	M6-M7	20mm	6mm
NFD20-08-3	M8-M9	20mm	8mm
NFD20-10-3	M10-M11	20mm	10mm
NFD20-12-3	M12	20mm	12mm

Dengensha offers the world's most complete line of resistance welding equipment:

- Pedestal welders
- Specialty welders
- Nut feeders
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- Servo-spot weld guns
- Lightweight weld guns
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7647 First Place Dr., Bedford, Ohio 44146
P: 440.439.8081 | F: 440.439.8217
www.dengensha.com | sales@dengensha.com
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