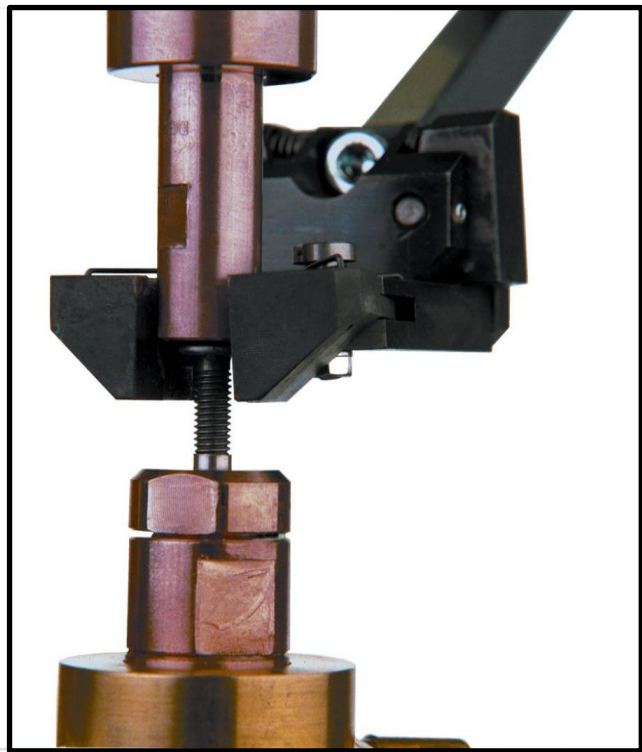
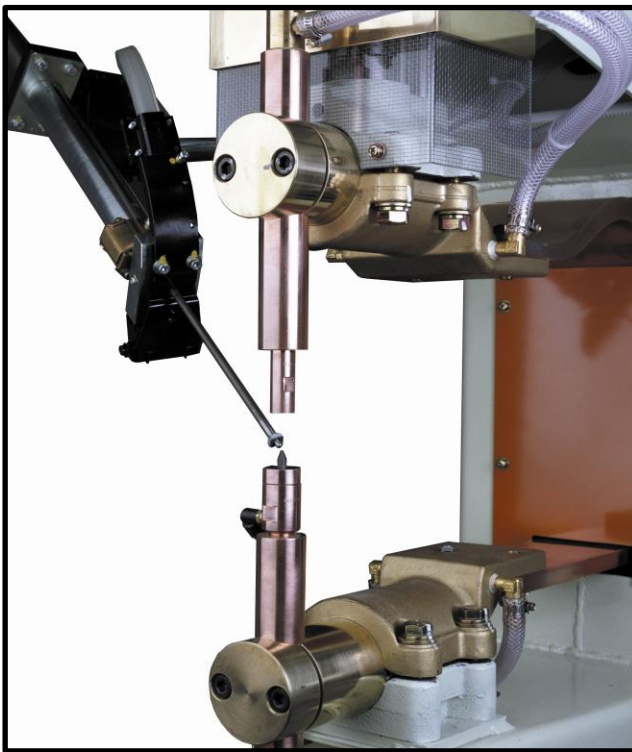




**DGENSHA
AMERICA**

Nut and Bolt Feeder Consumable Tooling Parts



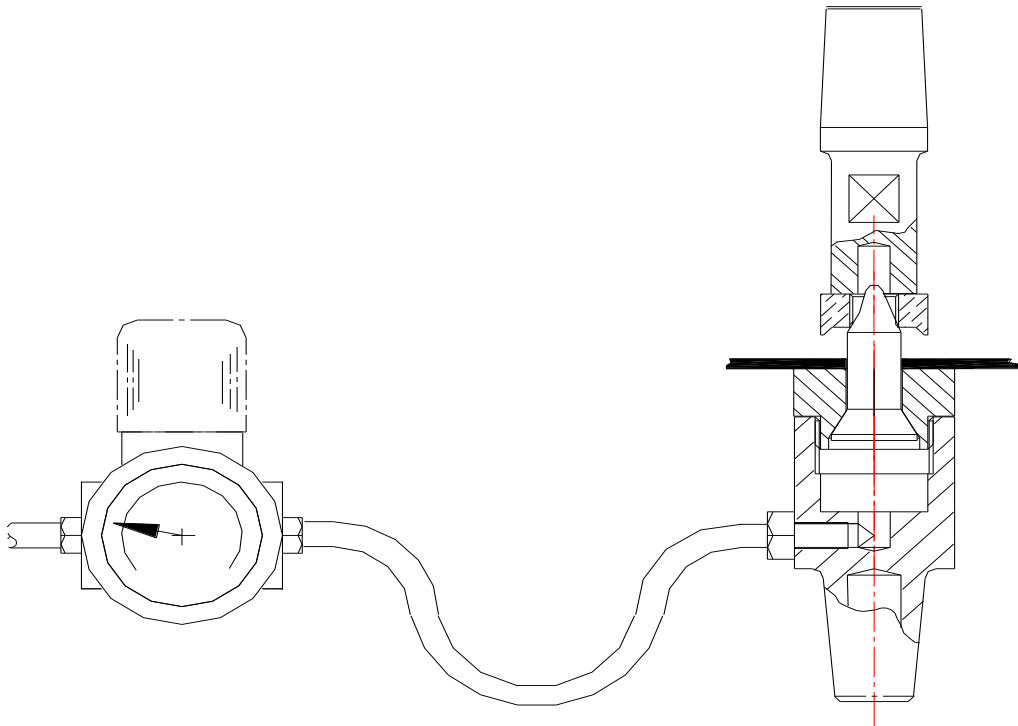
High quality, authentic parts and great value
from the world's leading manufacturer of
automatic nut and bolt feeders

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DGENSHA AMERICA

Dengensha tooling for nut welding



Advantages of the Dengensha system

1. The dolphin-nose-shape of the nut guide pin ensures that the weld nut is always located centrally on the guide pin, thus eliminating the possibility of "eye lidding".
2. Dengensha uses a simple air pressure system to hold the guide pin in the up position. Other systems use mechanical springs which are unreliable, prone to breaking and cause sticking of the guide pin and prevent correct positioning and welding of the weld nuts.

Also, other insulation parts are required to prevent electrical conductivity between the guide pin, spring and copper electrode holder.

3. With the Dengensha system, when the weld nut and guide pin are pushed down by the upper electrode, air passes around the guide pin, blowing away any weld spatter and helping to stop the guide pin from sticking, assisting cooling of the tooling and minimizing wear of the electrode cap.



DGENSHA AMERICA

ACT Alloy Guide Pins

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.

Insist on genuine ACT pins for your tool crib.

Features:

- Longest pin life, no arching.
- Evenly distributed insulating film
- Excellent mechanical strength
- Capable of obtaining highly accurate dimensions
- Metallurgical stability to 2,000 °F
- Outlast and outperform KCF and ceramic coated pins by nearly 100%



Coating Uniformity

ACT pins are micro-alloyed at the interface, resulting in a metallurgical bond between the insulating coating and the substrate. Other pins depend on mechanical bonding with adhesive bond strengths under 6,000 psi.

Because of proprietary parameters used during the manufacture of ACT pins, the insulating film is uniformly distributed throughout the shape of the pin and wear points are less damaged. This is unlike other lookalike pins which have a non-uniform deposition at corners and sharp transitions, such as shoulders (in combination pins for example), which result in non-uniform stress distribution.

Strength and Toughness

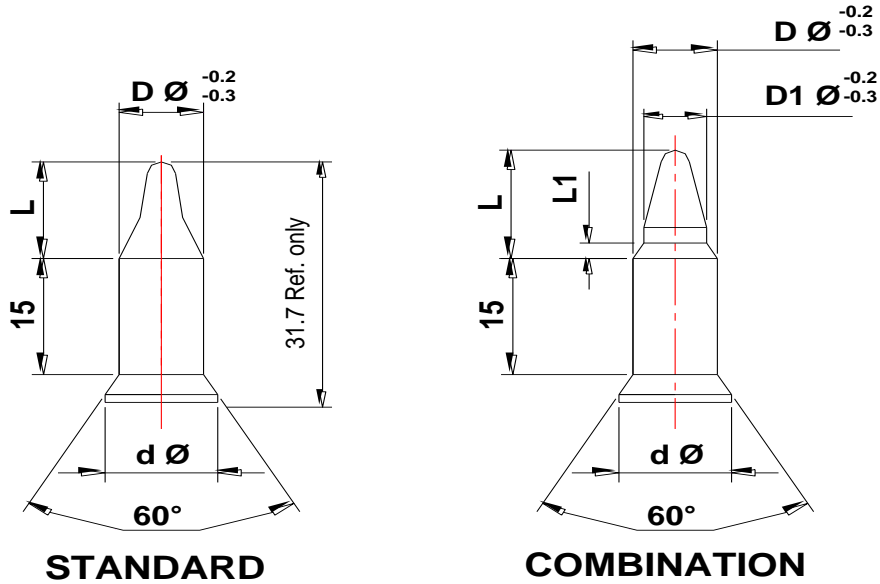
The overall strength of ACT pins is 50Rc. To compare, the overall strength of KCF pins is Rb - meaning it does not even reach the same level as ACT pins. The film hardness of ACT pins is over 2,200 Vickers, again exceeding KCF pins which do not even come close to these values. Another advantage is that ACT pins are produced in manufacturing processes optimized for resistance welding locating pins, while KCF pins are often manufactured alongside other parts which can sacrifice optimum conditions for the guide pins.

Refer to next page for part numbers and dimensions



DENGENSHA AMERICA

Standard Nut Guide Pins - ACT Material



STANDARD

COMBINATION

PART No.	General Dimensions							
	ØD	Tol	ØD1	Tol	L	L1	Ød	
TP-M04	5.0	Tol	/	/	5.5	/	/	
TP-M05	6.0	-0.2 -0.3			7.5			/
TP-M06	7.0				9.5			
TP-M07	8.0				10.5			
TP-M08	9.0				11.0			
TP-M09	10.0				11.0			
Combination Pins								
TP-M06/08	8.8	-0.2	6.7	-0.2		2.0	12	
TP-M08/10	10.8	-0.3	6.8	-0.3		2.5	16	
TP-M10	11.0	-0.2 -0.3	/	/	12.0	/	/	
TP-M11	12.0				13.5			
TP-M12	13.0				15.0			
TP-M13	14.0				15.0			
TP-M14	15.0	-0.2 -0.3	/	/	16.0	/	/	
TP-M15	16.0				16.0			
TP-M16	17.0				17.0			
TP-M16.5	16.5				17.0			

Utilize a Dengensha combination pin when welding two different size of nuts on one weld machine.

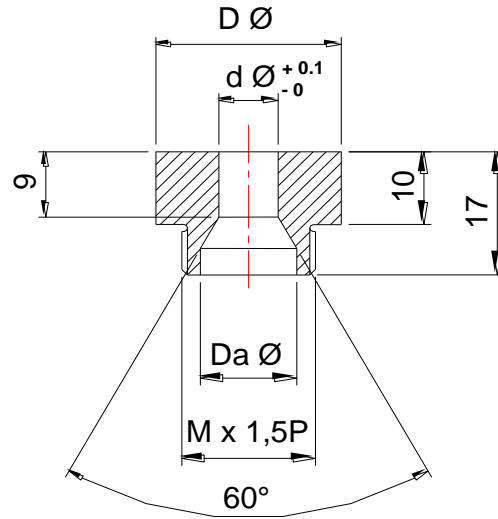
Weld 6mm and 8mm or 8mm and 10mm nuts without changing electrodes or pins

SAVES TIME AND MONEY

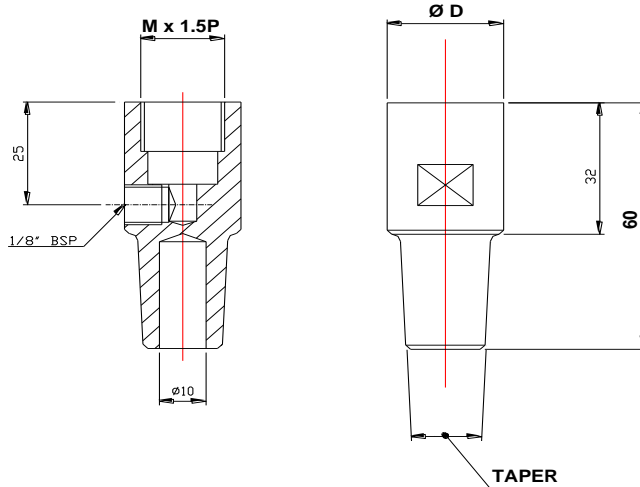


Nut Welding - Nut Electrode Cap

PART No.	ØD	Ød	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	32	15	26
CN-M15	32	16	26
CN-M16	32	17	26
CN-M16.5	32	16.5	26



Nut Welding - Lower Electrode Holder

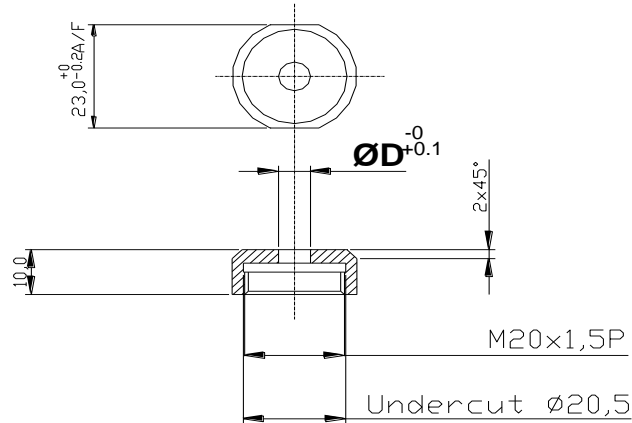


Part No.	ØD	Taper	M Thread
DH-25A	25	MT#1	18
DH-25B	25	1/10	18
DG-25C	25	MT#2	18
DH-25D	25	1/10	18
DH-25E	25	1/5	18
DH-30A	30	MT#2	22
DH-30B	30	1/10	22
DH-35AI	35	MT#2	26



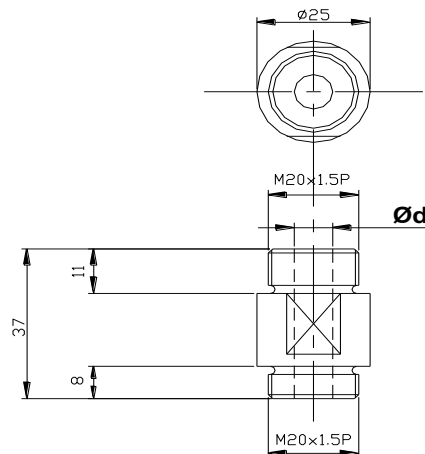
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Bolt Welding - Electrode Tips



BOLT THREAD \varnothing	$\varnothing D$	PART No.	ALTERNATIVE PART No.
M5	6.0	PFT-5012-M5	4B9879
M6	7.0	PFT-5012-M6	4B9880
M8	9.0	PFT-5012-M8	4B9881
M10	11.0	PFT-5012-M10	4B9882
M12	13.0	PFT-5112-M12	

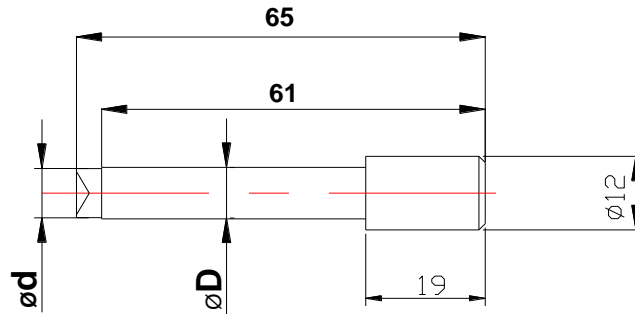
Bolt Welding - Electrode Holder



BOLT THREAD \varnothing	$\varnothing d$	PART No.	ALTERNATIVE PART No.
M5	8.0	PFT-5015-M5	4B9884
M6	8.5	PFT-5015-M6	4B9885
M8	10.5	PFT-5015-M8	4B9886
M10	13.0	PFT-5015-M10	4B9887
M12		PFT-5115-M12	

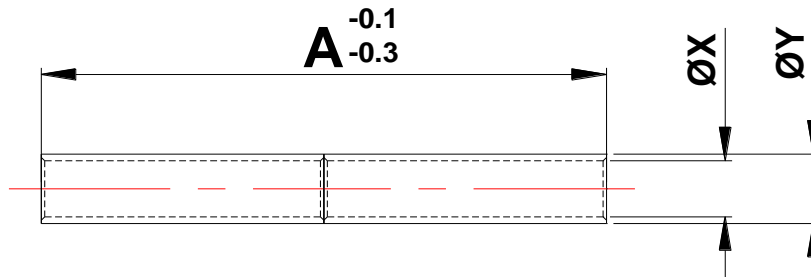


Bolt Welding - Guide Pin (Stainless Steel)



BOLT THREAD Ø	Ø D	Ød	PART No.	ALTERNATIVE PART No.
M5	5.9	5.0	PFT-5011-M5	4C6304
M6	6.4	6.0	PFT-5011-M6	4C4802
M8	8.4	8.0	PFT-5011-M8	4C4803
M10	10.8	10.0	PFT-5011-M10	4C9298
M12	12.8	12.0	PFT-5111-M12	

Bolt Welding - Insulation Guide (ACT)



BOLT THREAD Ø	ØX	ØY	PART No.	LENGTH "A"	QTY of PIECES
M5	6.0	Ø8.0 h8	4B9685	37 mm	1 off 37mm
M6	6.4	Ø8.5 h8	4B9686	37 mm	1 off 37mm
M8	8.5	Ø10.5 h8	4B9687	37 mm	1 off 37mm
M10	11.0	Ø13.0 h8	4B9688	37 mm	1 off 37mm