

[Home](#) > [Products](#) > [Crimping and Stripping](#) > [PA-09 / PA-20 / PA-21](#)



PA-09 / PA-20 / PA-21 Connector Crimping Pliers

More than 100 different terminals applicable

- With 1 pair of our Connector Pliers, you can crimp in tidy finishing open-barrel connectors such as MOLEX, TE (Tyco), JST, HRS, etc.
- D-Sub connector contact can be also crimped.
- 4-different cavities of elaborate dies
- Original joint screw prevents the joint from being loose and offers you easy maintenance.
- With locking latch and coiled spring
- Oil resistant Elastomer (TPR) handle

[Video](#)
[Features](#)
[Note](#)
[Specifications](#)

Click here! **[Crimp Contact Application Chart]**

[JST Crimp Contacts](#)

[Molex Crimp Contacts](#)

[TE Crimp Contacts](#)

[HRC & others Crimp Contacts](#)

Video

精密圧着ペンチPA-09/20 プロモーシ...



Precise crimping and tidy finish! "Connec...



Features



PA-09

ideal for 1.25mm pitch and 2.5mm pitch mico connectors or D-sub connectors (#32-20 wires)



PA-20

ideal for 2.5mm pitch and 5mm pitch connectors, 2.5mm-thick dies

VH Series(JST)	NH Series(JST)	PH Series(JST)
EL Series(JST)	3191 Series(Molex)	MATE-N-LOK(Tyco)



PA-21

ideal for 2.5mm pitch and 5mm pitch, also good for long-wing type of open-barrels owing to elaborately curved design of the upper die.

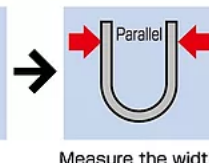


XH Series(JST)	NH Series(JST)	VH Series(JST)
PA Series(JST)	Mini Fit(Molex)	Universal MATE-N-LOK(Tyco)

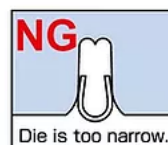
How to select the suitable crimping dies



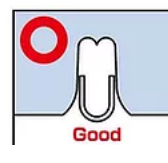
Wings opened



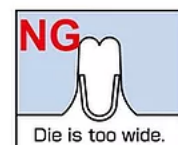
Measure the width



Die is too narrow.



Good



Die is too wide.

1. Measure the width of conductor barrel or insulation barrel with a caliper while both barrel lugs are adjusted in parallel.

2. Select the die width that is close to the width of barrel lugs measured. Example: 1.5mm measured --> Select 1.6mm dies.

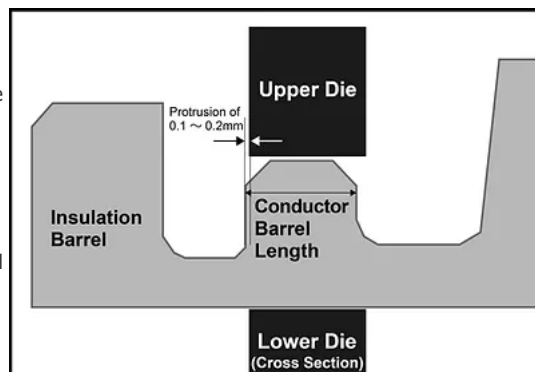
3.

Conductor Barrel (Lug) Crimping :

It is better to offset the rearmost edge of conductor barrel (lug) 0.1-0.2 mm from the edge of the upper die to form a bellmouth on the edge of the crimped barrel. (as per the figure on the right)

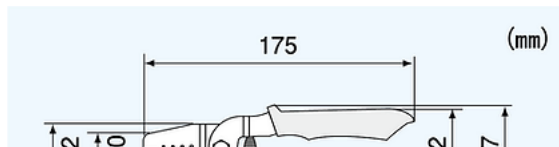
Insulation Barrel (Lug) Crimping :

Set the insulation barrel (lug) at the center of the upper die in depth to keep the barrel (lug) horizontal when crimping.



Specifications

Width



Item no.	O.A. Length	Material	Weight
PA-09	175mm	S55C	145g
PA-20			
PA-21			

Item no.	Dies W(mm)	Dies H(mm)	Dies T(mm)	Wires applicable (Ref.)		
				dia. (mm)	mm2	AWG (wires)
PA-09	1.0	0.50	1.7	0.20~0.32	0.031 ~ 0.08	# 32 to 28
	1.4	0.55		0.32~0.51	0.08~0.21	#28 to 24
	1.6	0.8	2.0	0.51~0.64	0.21~0.33	#24 to 22
	1.9	0.9		0.51~0.81	0.21~0.52	#24 to 20
PA-20	1.6	0.7	2.5	0.32~0.64	0.08~0.33	#28 to 22
	1.9	0.8		0.51~0.81	0.21~0.52	#24 to 20
	2.0	0.9		0.64~1.02	0.33~0.82	#22 to 18
	2.3	1.0		0.81~1.02	0.52~0.82	#20 to 18
PA-21	1.6	0.8	1.8	0.41~0.51	0.13~0.21	#26~24
	1.9	1.0		0.41~0.64	0.13~0.33	#26~22
	2.2	1.2		0.51~0.81	0.21~0.52	#24~20
	2.5	1.4		0.64~1.02	0.33~0.82	#22~18