

## Model designation

**CHUCK : EP-QN5-3060A**

Chuck size

**N**.....Normal (Ribs arranged between poles) **Pole size**  
**S**.....Strong (Poles arranged densely) (5...□50 7...□70)

〈When ordering〉

- Sizes other than the standard sizes listed in the left-side table are also available.
- The maximum one-piece size is W1300 x L1500 mm. For larger sizes, chucks are to be connected.
- When workpieces are hardened steels or special steels, they may be difficult to dismount due to strong residual magnetism.
- In these cases it is recommended EP-D type (P.33).

## A guide for selection

General milling operations	Good attractive condition such as plate machining.	→ <b>QN</b>
Planmiller, horizontal M/C, use of straightening blocks, etc.	Poor attractive conditions such as heavy duty cutting	→ <b>QS</b>

Selection of pole size □50 or □70

- The □70 size is superior in the absolute holding power and gap characteristic.
- The □50 size is recommended for relatively small and thin workpieces. (The plate thickness of magnetic saturation is 20~25 mm for □50 and 30~35 mm for □70.)

## Relation between chuck models and holding power



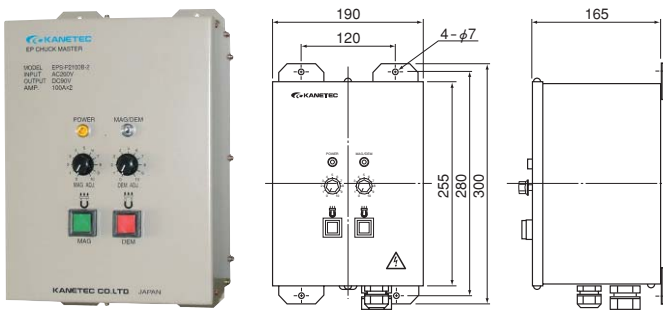
## Holding power

- 50 produces the maximum holding power of 2.94 kN (300 kgf) or over and
- 70 produces 5.88 kN (600 kgf) or over per pole.

〈An example of calculation〉

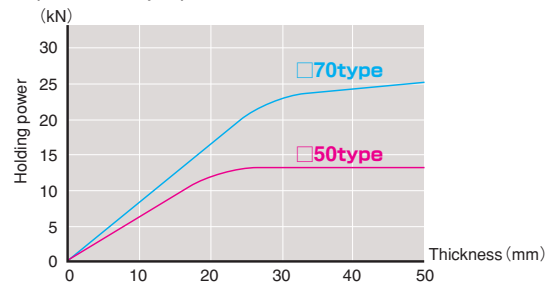
Maximum holding power on entire attractive face of EP-QH50-4080  
 $2.94\text{kN} \times 60 \text{ (number of poles)} = 176.4\text{kN} \text{ [18000kgf]}$

## EP Chuck Master Compact design for limited installation space.

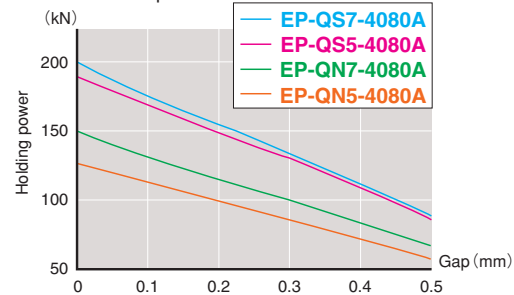


## EP-Q type holding power characteristic

- Relation between workpiece thickness and holding power. Test piece held by 4 poles.



- Relation between gaps and holding power comparison at whole face adsorption.



## Model of special specification

Model with T-slots available



※For more information, please contact us.

EP-QX50-S

## Options

- ① Straightening blocks for □50 and □70



KT-Q50M



Model		Type
□50×H28	□70×H37	
KT-Q50	KT-Q70	Fixed
KT-Q50M	KT-Q70M	Movable

※H-sizes are standard height

- ② Separately installed feeder box  
Recommended for pallet change spec.



ELECTROMAGNETIC CHUCKS  
 CHUCK CONTROLLERS  
 PERMANENT MAGNETIC CHUCKS  
 BLOCKS FOR MC  
 VACUUM CHUCKS  
 PROMELTA SYSTEM  
 SINE BAR CHUCKS  
 MAGNETIC BLOCKS  
 WORKING TOOLS  
 MEASURING TOOL HOLDERS  
 MAGNETIC HOLDERS  
 MAGNETIC TOOLS