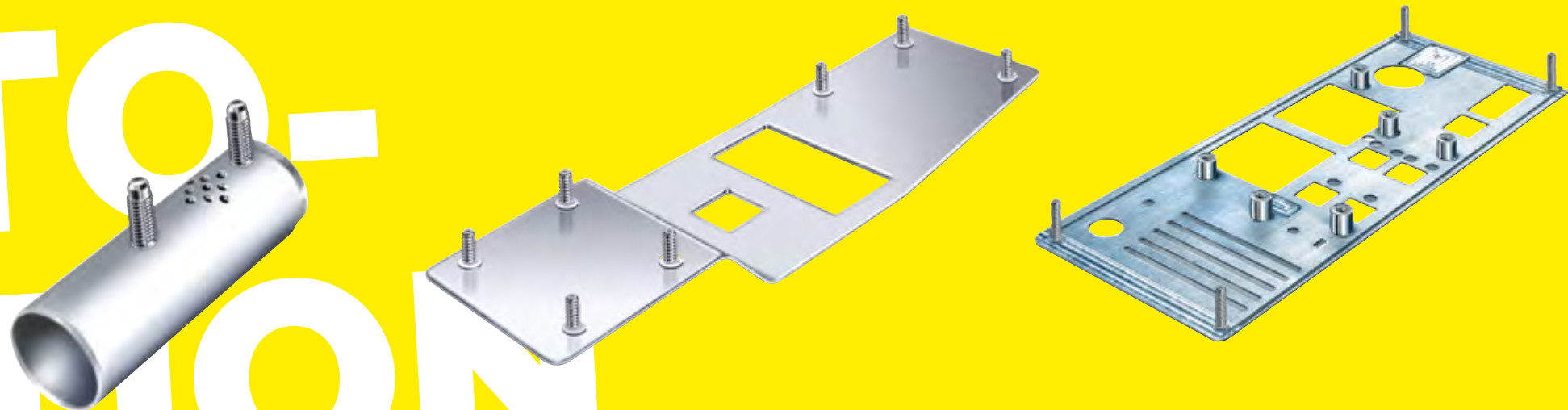




# STUD WELDING

## Processes & Applications

### AUTO-MATION



#### Automation:

Highest productivity,  
ultimate positioning accuracy,  
perfect welding results.



### CD

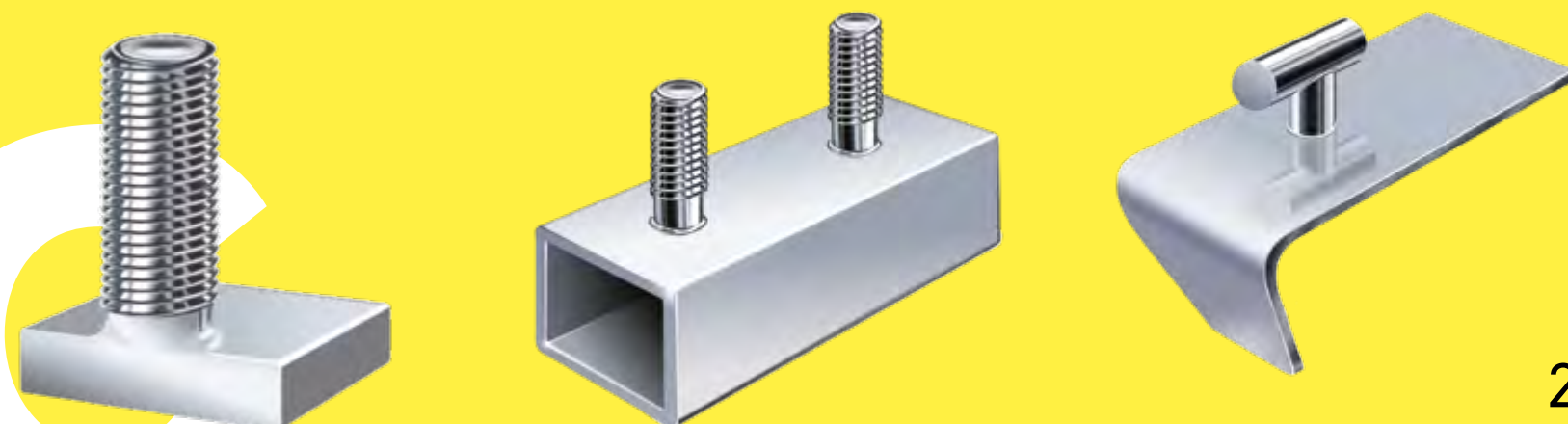


#### CD - Capacitor Discharge:

Especially suited for  
thin sheet metal  
min. 0.5 mm (0.02"),  
automation, aluminium.  
Welding range:  
M3 to M8 (M10) [#4 to 5/16" (3/8")]



### ARC

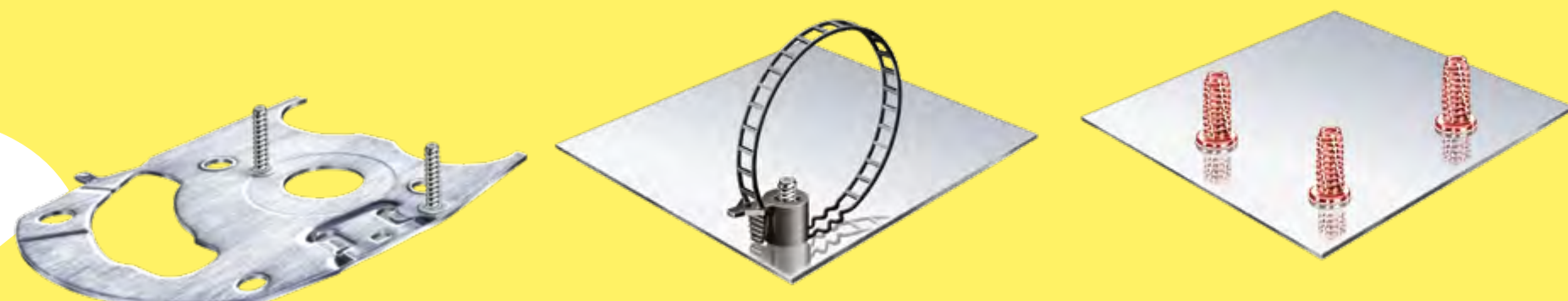


#### ARC - Drawn ARC:

Especially suited for welding  
on thicker sheet metal  
of 2 mm (0.08") and above.  
Weld protection with  
shielding gas or ceramic ferrule.  
Welding range:  
2 to 25 mm (14 ga to 1") diameter



### SC



#### SC - Short-Cycle:

Especially suited for  
x-mas studs (ex. cable fixation),  
thin sheet metal,  
automotive industry  
and automation.



### MARC

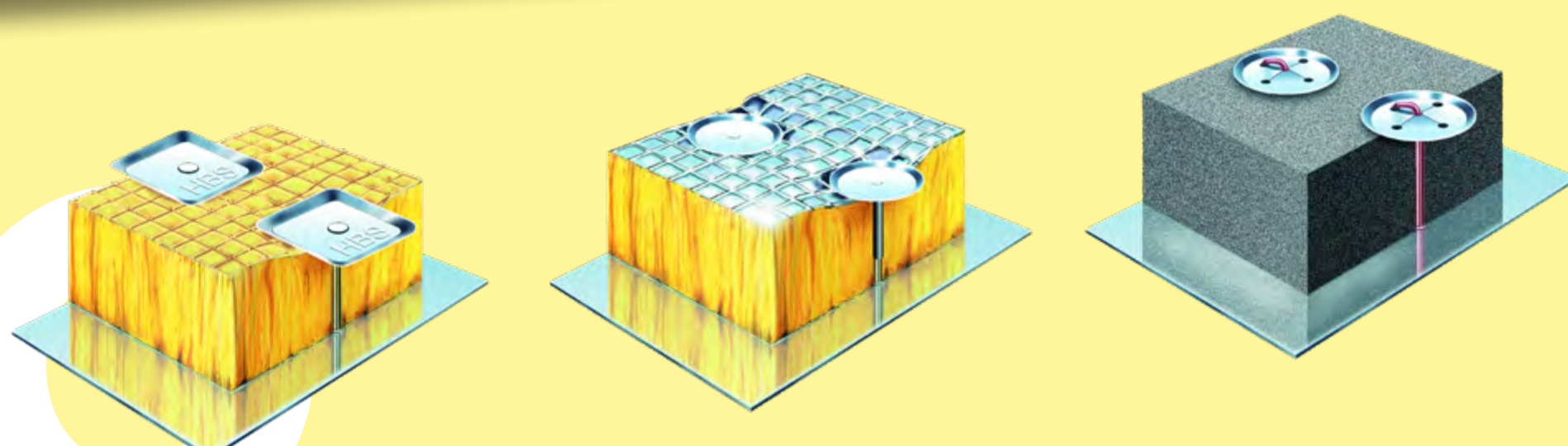


#### MARC - Magnetic rotating ARC:

The most innovative process for  
welding pad type elements.  
Welding range:  
Pads up to 30 mm (1.81")  
external diameter.



### ISO



#### ISO - Insulation Market:

Economic fastening method of  
insulation mats HVAC  
(heating, ventilation,  
air-conditioning) and FRI  
(fire-resistant insulation)







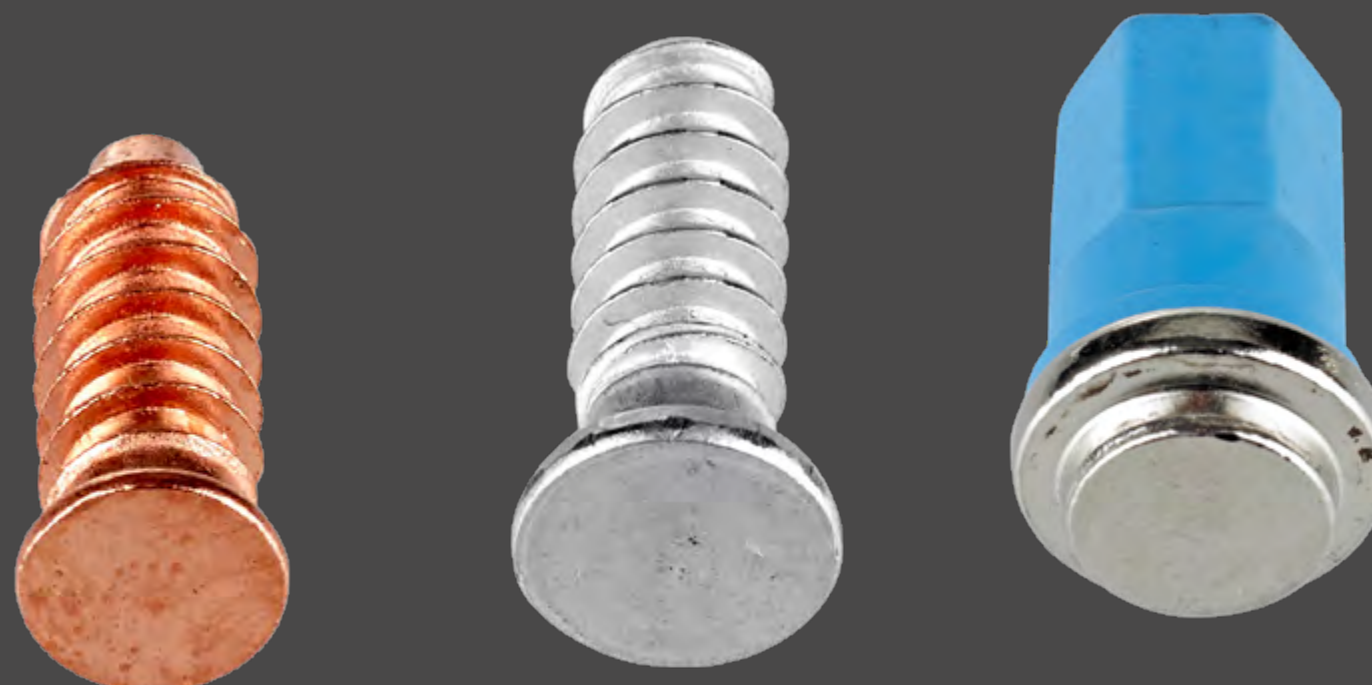
# STUD WELDING

## Industry & Branches

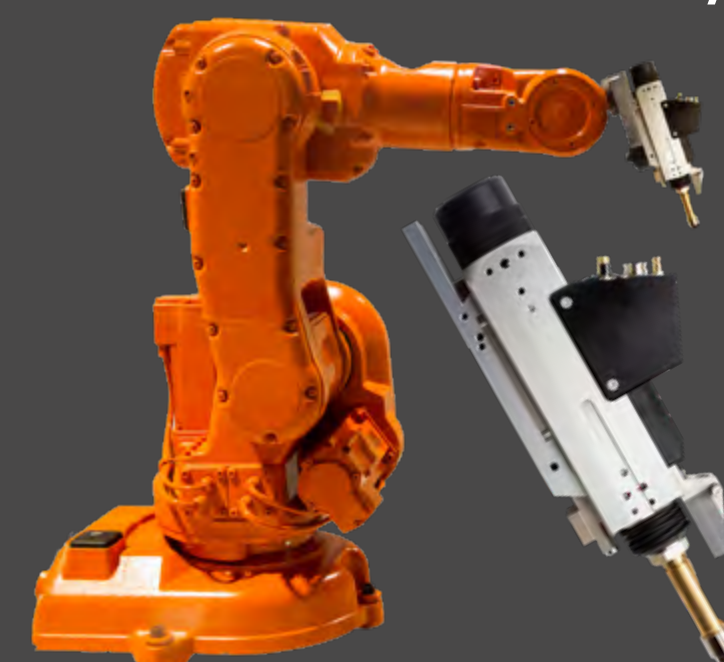


### Vehicle construction:

- Transport of passengers and goods
- Construction and commercial vehicles
- Special vehicles (e.g. for military)
- Agriculture
- Rail transport



KAH 412/612



### Commerce + Private household:

- Kitchens
- Appliances (irons, pots, washing machines, autoclaves & sterilizers)
- Dispensing machines (money, drinks, tickets, cigarettes, etc.)
- Audio equipment
- Control consoles
- Switch cabinets
- Filling and packaging systems

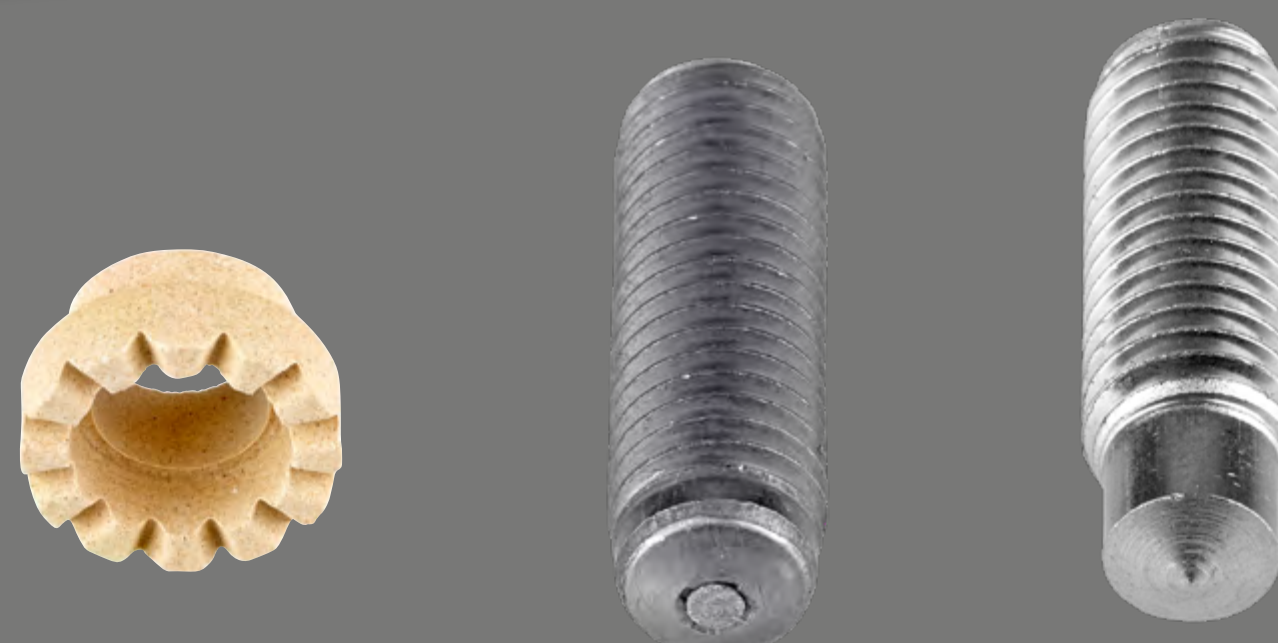


CA 08  
PAH 1



### Construction industry:

- Facades
- Elevators
- Escalators and stairs
- Hand Rails



A 12

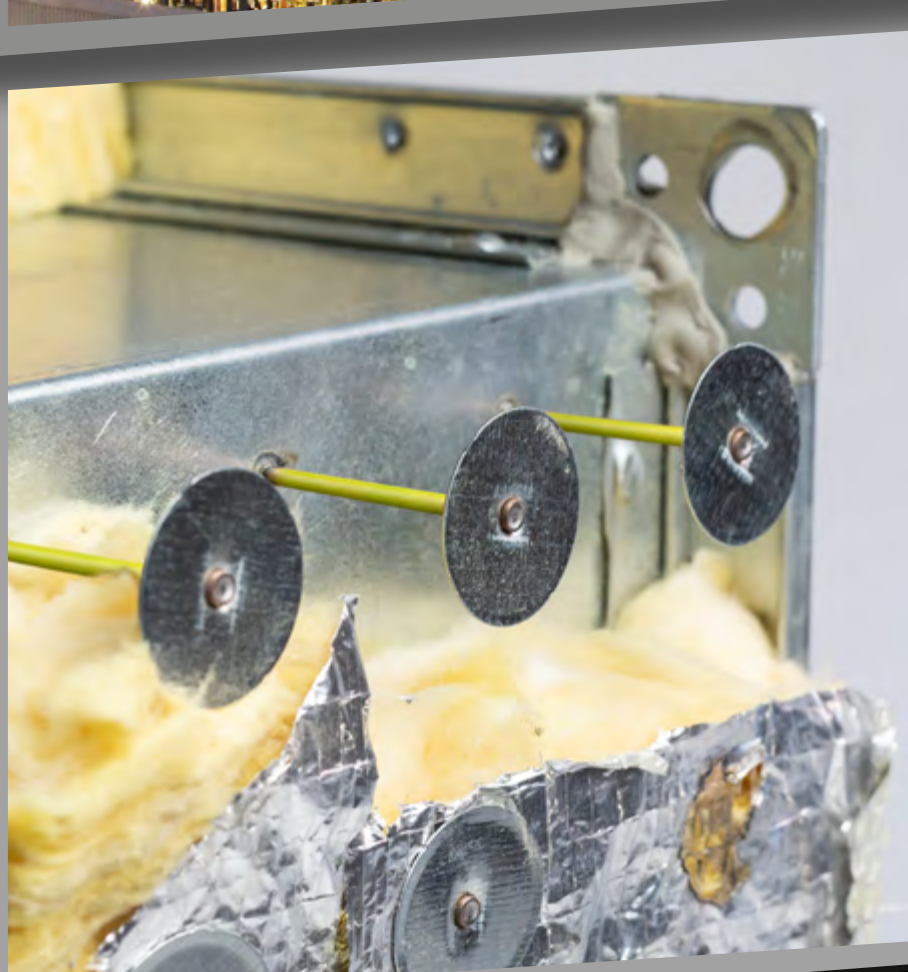


### Industrial systems:

- Power generation
- Steel production / steel construction
- Petrochemistry
- Bridge building



A 16  
A 22



### Insulation:

- Heat and cold insulation
- Soundproofing
- Fire protection insulation
- Shipbuilding
- Refractories & Incinerators



CI 03  
C 08

