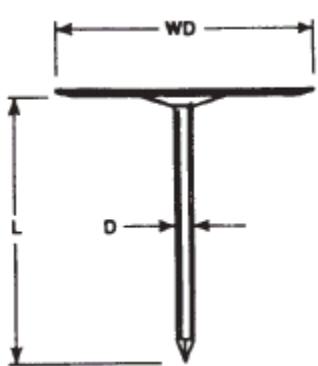


CUP HEAD PIN (CD)

The Cup Head, Cupped Head or mini-Cup Weld Pin is a Mild Steel fabricated part made up of a Weld Pin and a staked-on Speed Clip, or retaining Washer. While some variations of material are available, the most popular style Cup Head Weld Pin is a mild steel weld nail with a galvanized-coated mild steel retaining Washer (all Stainless parts, usually called Quilting Pins, are also popular and available for welded and non-welded installations). This product is usually applied with a capacitor discharge stud welder; however Arc and Drawn Arc stud welding equipment can be used. The method of application is to place the insulation onto a metal surface, push the Cup Head weld pin through the insulation, and weld affix (mount) the entire fabrication in one step. Cup Heads are widely accepted as labor saving fasteners in the thermal and acoustical insulation markets primarily for Commercial type insulation applications. Special care should be taken in properly designing and applying Cup Head insulation systems to allow for proper welding and maximum holding power.



PINS				
		MIN	MAX	
TYPE	D*	WD	L	L
CS12	.105	1.187	3/8	16"
CS14	.080	1.187	3/16	16"
CL12	.105	1.500	3/8	16"

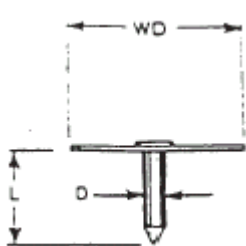
	PIN	WASHER
MATERIAL :	LOW CARBON STEEL C- 0. 23% max. P- 0.04% max. Mn - 0.90% max. S -0.05% max.	LOW CARBON STEEL C- 0. 23% max. P- 0.04% max. Mn - 0.90% max. S -0.05% max.
MECHANICAL PROPERTIES :	Values available upon request.	Values available upon request.
PLATING :	Galvanized is standard. Copper plating is available upon special request.	Standard washer is galvanized.
BEVEL :	Washer edge is beveled to prevent cutting of insulation material.	
STAINLESS STEEL :	Not standard, but available by special order.	
PAPER INSULATING WASHERS :	Available for welding through foil faced insulation. Paper insulating washer can be ordered separately or factory installed.	

TO ORDER OR SPECIFY, GIVE :

1. Product Code.....CHSW
2. Size.....
3. Length.....L
4. Material.....

CUP HEAD PIN

The resistance welded Cup Head, or Duro Dyne style, Weld Pin is a Mild Steel fabricated part made up of a Weld Pin and a staked-on Speed Clip, or retaining Washer. The most popular style resistance welded Cup Head Pin is a mild steel weld nail with a galvanized-coated mild steel retaining Washer. This product is usually applied with a fixed weld head "shop" pin welding system, and may include an automated feeding system for cup head weld pins, metal to be insulated, or both; however portable pin or stud welding equipment can also be used. The method of application is to place the insulation onto a metal surface, push the Cup Head weld pin through the insulation, and weld affix (mount) the entire fabrication in one step. Cup Heads are widely accepted as labor saving fasteners in the thermal markets primarily for Commercial type duct and ductwork insulation applications. Special care should be taken in properly designing and applying Cup Head insulation systems to allow for proper welding and maximum holding power due to the blind nature of the welding process



PINS			
TYPE	D*	WD	MIN L
CS10	.135	1.000	3/8

	PIN	WASHER
MATERIAL :	LOW CARBON STEEL	LOW CARBON STEEL
	C- 0. 23% max. P- 0.04% max.	C- 0. 23% max. P- 0.04% max.
	Mn - 0.90% max.S -0.05% max.	Mn - 0.90% max.S -0.05% max.
MECHANICAL PROPERTIES :	Values available upon request.	Values available upon request.
	Galvanized is standard.	
PLATING :	Copper plating is available upon special request.	Standard washer is galvanized.
BEVEL :	Washer edge is beveled to prevent cutting of insulation material.Flat washer style also standard. Both styles Auto-Feed quality.	
STAINLESS STEEL :	Not standard, but available by special order.	

APPLICATION :This cup head pin is for use with Duro- Dyne auto feed resistance welding equipment.

TO ORDER OR SPECIFY, GIVE :

1. Product Code.....CHMW10
2. Washer Type.....Beveled or Flat
3. Length.....L
4. Material.....