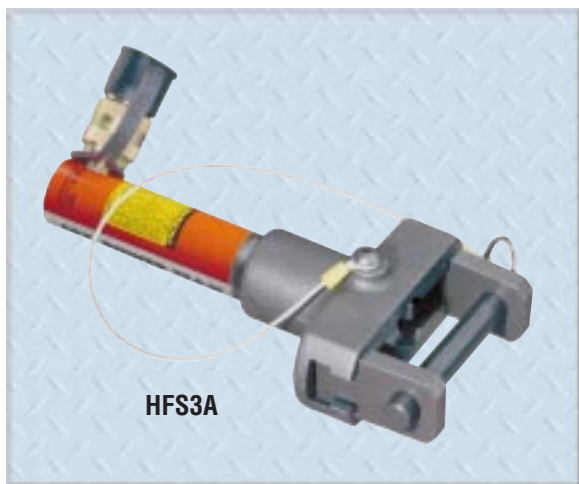


# Pipe Flange Spreaders

## 5 & 10 Ton Capacity



- You'll never again have to resort to "hammer and chisel" methods that waste time and effort. Flange spreaders should be used in pairs to provide even spreading force.
- Standard 60° wedge is suitable for most flanges; 30° "thin" and 60° "blunt" wedges are optional.
- The HFS3A is designed for applications where total thickness of flanges and max. spread gap is 3" or less and flange bolts are a min. of 1<sup>1</sup>/<sub>16</sub>" dia.
- Use HFS6A if total thickness of flanges and max. spread gap is 6" or less, and flange bolts are a min. of 1<sup>3</sup>/<sub>16</sub>" dia.



### ORDERING INFORMATION & SPECIFICATIONS

Capacity (tons)	Order Number	Standard Wedge Type	Optional Wedges		Min. Flange Opening			Max. Flange Opening			Max. Combined Flange Opening	Pin Dia. (in.)	Weight (lbs.)
			30° Thin	60° Blunt	60° Std.	60° blunt	30°	60° Std.	60° blunt	30°			
5	HFS3A	60° Sharp	350823	350822	1 <sup>1</sup> / <sub>16</sub> "	1"	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>16</sub> "	9
10	HFS6A	60° Sharp	350549	350550	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>16</sub> "	2"	2"	3 <sup>1</sup> / <sub>32</sub> "	6 <sup>9</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	18

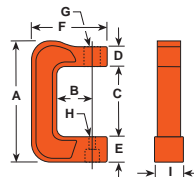
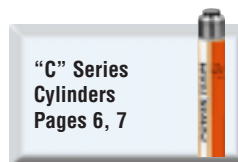
# Hydraulic "C" Clamps

## 5, 10 & 25 Ton Capacity

HYDRAULIC TOOLS



- In 5, 10 and 25 ton capacities. For use with Power Team general purpose single-acting series cylinders of comparable capacity.
- For clamping, pressing and bending. Ideal for welding and metal fabrication for fit-up of sheet or plate steel.
- Clamps withstand full rated capacity of the cylinders for which they are intended.
- To minimize the effects of off-center loading, the CC5, CC10 and CC25 should be used with the optional 350144 and 350145 swivel caps.



### ORDERING INFORMATION

Cap. (tons)	Order Number (C-Clamp only)	Use With Cyl. No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	G (in.)	H (in.)	I (in.)	Wt. (lb.)
5	CC5	C51C-C57C	12 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	7 <sup>9</sup> / <sub>16</sub>	2	2 <sup>1</sup> / <sub>2</sub>	7 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub> "-16 UN	7 <sup>7</sup> / <sub>8</sub>	3	25
10	CC10	C101C-C1010C	15 <sup>7</sup> / <sub>8</sub>	6	9 <sup>9</sup> / <sub>16</sub>	2	3	10 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub> "-14 UNS	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	50
25	CC25	C251C-C2514C	21	6	13	3	4	12 <sup>5</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>16</sub> "-12 UNS	1 <sup>7</sup> / <sub>16</sub>	4 <sup>5</sup> / <sub>8</sub>	65



Items pictured at left are:  
CC10  
C104C  
201923