

229 SERIES

Vertical Hold Down Clamps | Product Overview

Features:

- Cam action clamp holds workpieces of varying height
- Total clamping range of 8mm [0.31in.]
- Accommodates M12 or 1/2" accessories
- 5 handle colors - see page MC-PRO-7 for details

Applications:

- Assembly & test
- Light machining
- Welding

Also Available:

See page MC-ACC-1 for accessories

229
Flanged Base
Open Bar



Color Handles

Available on models in this series that use standard red handles.* Add **-Y**, **-G**, **-B**, **-K** to end of model number.

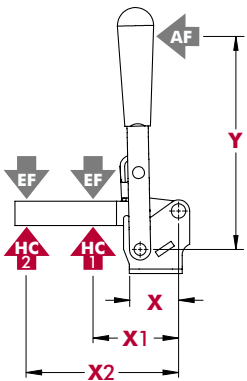
*Excludes Blackout Series, Toggle Lock Plus levers or dipped handles.



Technical Information

Model	Max. Holding Capacity	Clamp Bar Opening (+10°)	Handle Opening (+10°)	Weight	Accessories (Supplied)	
					Spindle Assembly	Flanged Washers
229	4450 N [1000 lbf]	115°	180°	1,17 kg [2.59 lbs]	229203	247109

Holding Capacities



Model	X	X1	X2	Y	±HC1	±HC2	±EF(X1):AF	±EF(X2):AF
229	[1.53] 38,9	[3.00] 76,2	[6.12] 155,4	[7.06] 179,3	[1000 lbf] 4450 N	[500 lbf] 2230 N	7:1	3:1

Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

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229
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Open Bar

