RPI Construction Equipment
517 S Pennsville Auburn Road
Penns Grove, NJ 08069
(856) 456-0081 · rpiequipment.com

SP-80 Compatibility Form

Complete this form so we can confirm the HMC SP-80 Sonic SideGrip will fit and run on your excavator before install.

When finished, send this form to kristin@rpiequipment.com and cannon@rpiequipment.com

CUSTOMER AND JOBSITE

CUSTOMER NAME

DATE OF INSTALL

CUSTOMER / SITE CONTACT

CONTACT PHONE

JOBSITE ADDRESS

EXCAVATOR

BRAND

MODEL

YEAR

EXCAVATOR SERIAL # (IF AVAILABLE)

OPERATING WEIGHT (LBS, IF KNOWN)

PILE

Pile type

☐ Sheet ☐ Timber ☐ Pipe ☐ H-Beam ☐ Other:

Sheet piles must be separated and driven as singles.

PILE DIMENSIONS (SECTION / SIZE)

PILE LENGTH (FT)

PILE WEIGHT (LBS)

Pile weight cannot exceed 3,600 lbs. Recommended maximum pile length is 40 feet.

PILE MATERIAL (STEEL, WOOD, VINYL, ETC.)

QUICK CONNECT

Does this excavator have a quick connect installed?

☐ Yes ☐ No

IF YES, QUICK CONNECT BRAND / MODEL

The attachment cannot be installed while a thumb is installed on the excavator.

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AUXILIARY HYDRAULICS

How are the auxiliary hydraulics enabled?

☐ Foot pedal ☐ Button switch ☐ Rocker switch ☐ Not sure / other: _____

If a foot pedal, is it electronic or hydraulic controlled?

☐ Electronic ☐ Hydraulic ☐ Unknown

Can the auxiliary hydraulic enable be remapped to a button switch?

☐ Yes ☐ No ☐ Unknown

Does the excavator have a suitable case drain on the boom? (minimum size 3/8")

☐ Yes ☐ No ☐ Unknown

What type and size fittings does the excavator use on the end of the stick?

☐ Code 62 ☐ JIC ☐ O-Ring Face ☐ Other: _____

FITTING SIZE

FITTING NOTES

PRESSURE AND FLOW REQUIREMENTS

To run the SP-80 properly, your excavator must be able to provide:

RUNNING FLOW AND PRESSURE

56 GPM @ 4,200 PSI

DEADHEAD RELIEF PRESSURE

4,700 PSI

Running requirements apply while flow is occurring and has been restricted to meet the back pressure above.
Deadhead relief pressure is the setting at which zero flow occurs through the auxiliary circuit.

Flow in gallons per minute (GPM). Pressure in pounds per square inch (PSI).

EXCAVATOR AUX FLOW, GPM (IF KNOWN)

AUX PRESSURE, PSI (IF KNOWN)

RELIEF SETTING, PSI (IF KNOWN)

OTHER NOTES

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BRACKET SPECIFICATIONS

Measure the stick or coupler and record each dimension in inches. Units on the drawing are inches unless marked mm.

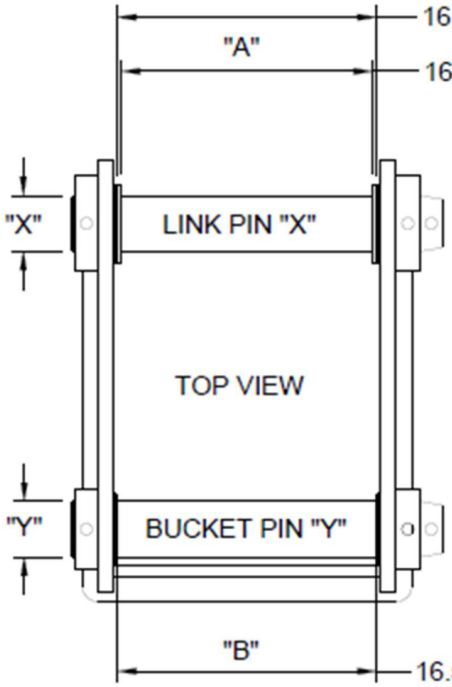
CUSTOMER

RPI SALESMAN

DATE OF INSTALL

EXCAVATOR BRAND / MODEL

SP / SG MODEL AND SERIAL #

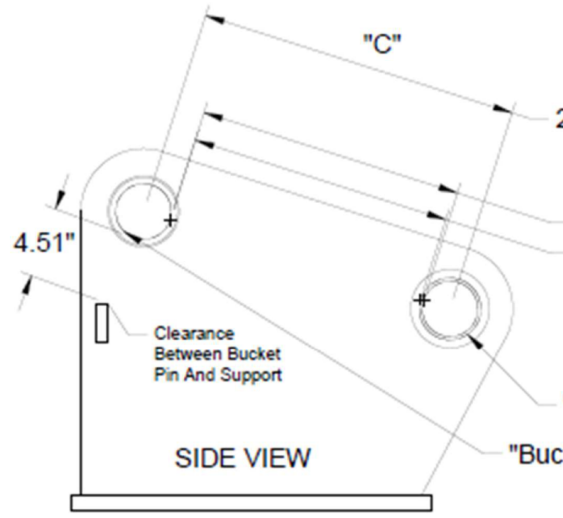


16.5 With 100mm Pin Installed
16 With 90mm Pin Installed
Stick/QC Clearance (Dimension "A")

Units On This Sheet Are Annotated In Inches Unless Marked "mm"			
Please complete requested dimensions.			
Is this machine fitted with a quick connect? [Y] / [N]			
Coupler Brand/Model:			
Value Inch	Dimesnion	Description	Notes
	A	Stick Width Or QC Width	Measure QC Or End of Excavator Stick
	B	Bucket Link Width	Measure Bucket Link Width. Direct Pin Only
	C	Pins Center To Center	Only Needed For quick Connect
	X	Link Pin	Measure Diameter
	Y	Bucket Pin	Measure Diameter

16.5 With 90mm Pin Installed (Stepping to 100mm+ will reduce this clearance) (Dimension "B")

Metric To Standard		
65mm	=	2.56"
70mm	=	2.76"
80mm	=	3.15"
90mm	=	3.54"
100mm	=	3.94"
110mm	=	4.33"



20.5 Center to center pin distance (Dimension "C")

16.957@90MM LINK PIN
16.76@100mm LINK PIN
Quick Coupler clearance between pins. Disregard if pinning direct to boom

"Link Pin" Available in 90mm or 100mm

"Bucket Pin" Available in 90mm