PCB SUPPORT SYSTEM

MARTIN®

a finetech company

PCB-Support Series 40.5mm

PCB-Support Series 55.5mm

Flex Support

Magnet Holder

Securing PCBs in place during hand soldering sometimes becomes a tricky task. PCB edge-connectors or dense population of components can make clamping and supporting PCBs difficult, especially if PCB are asymmetrical or non-rectangular.

MARTIN PCB support tools use magnets and are flexible to move on a steel plate to secure a PCB at its optimum location. The PCB supports are designed to clamp the PCB typically over a bottom heater. PCB Holders are top-justified and spring loaded for repeatable positioning. This simple method has proven to be reliable over many years.

To accommodate different size bottom heaters, two PCB support heights are available: One with a free clearance of 55,5mm and one with 40,5mm.

For large size PCBs, MARTIN offers bottom side supports which can be installed underneath the PCB. Providing bottom side support, sometimes necessary for some applications to prevent deflection and to maintain co-planar surfaces.

MARTIN GmbH   Fon: +49 (0)8153 9329-30   We refer to our delivery conditions   PCB SUPPORT_e
Argelsrieder Feld 1b   Fax.:   +49 (0)8153 9329-39   Subject to change without notice   V_2013_07_31.docx
82234 Wessling / Germany   Web: www.martin-smt.de

TECH INFO – PCB SUPPORT SYSTEM

PCB Support Tools 40.5mm Series

Code	Description			Qty
HF00.0018	Handy Fix 03/06 base plate only 280*380mm²			1 piece
SF30.0004	PCB Support 40.5mm 1.5mm thickness			1 piece
SF30.0005	PCB Support 40.5mm 3mm thickness			1 piece
SF03.0004	PCB Magnet Holder 40.5mm for IR/IRD/IRH/IRF/HIF and DL/RD			1 piece
SF03.0014	PCB Magnet Holder Easy Lock 40.5mm (snap) for IR/IRD/IRH/IRF/HIF and DL/RD			1 piece
SF03.0010	PCB Support Rail 40.5mm for IR/IRD/IRH/IRF/HIF and DL/RD			1 piece
SF33.0010	PCB Magnet Holder Rail 40.5mm for IR/IRD/IRH/IRF/HIF and DL/RD			1 piece
SF01.0100	PCB Clip For Use With SF03.0010 and SF33.0014			1 piece
SF03.0019	PCB Clamping Holder 40.5mm with 3 fingers for IR/IRD/IRH/IRF/HIF and DL/RD			1 piece
SF36.1005	PCB Flex Support 40.5mm "18 pin" l=760			1 piece
SF36.1002	PCB Flex Support 40.5mm "12 pin" l=520			1 piece
SF36.1001	PCB Flex Support 40.5mm "10 pin l=440mm			1 piece
SF36.1003	PCB Fix Support 40.5mm "4 pin" 350mm			1 piece
SF36.1004	PCB Fix Support 40.5mm "6 pin" 515mm			1 piece
SF36.1007	PCB Fix Support 40.5mm "9 pin" 760mm			1 piece
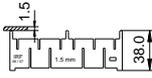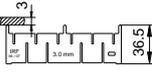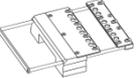
TECH INFO – PCB SUPPORT SYSTEM

PCB Support Tools 55.5mm Series

HF00.0000	Handy Fix 01 Base Plate 380*200*55,5mm³		1 piece
SF03.0002	PCB Magnet Holder 55.5mm for HB 03/04, HF 04/05/06		1 piece
SF03.0012	PCB Magnet Holder Easy Lock 55.5mm (snap) for HB 03/04, HF 04/05/06		1 piece
SF03.0005	PCB Magnet Holder adjustable 55,5mm =>69.5, for HB 03/04, HF 04/05/06		1 piece
SF03.0011	PCB-Support-Rail for HB03/04, Handy Fix, H=55,5mm, L=223mm		1 piece
SF33.0014	PCB Magnet Holder Rail for HB03/04, H=55,5mm, L=300mm		1 piece
SF01.0100	PCB Clip For Use With SF03.0010 and SF33.0014		1 piece
SF04.0020	PCB Clamping Holder with 3 fingers, 55.5mm=>69.5, for HB 03/04, HF 04/05/06		piece

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TECH INFO – PCB SUPPORT SYSTEM

Dimensions and Sizes

Technical Details of Magnet Holder

**SF03.0004**   **SF03.0014**   **SF03.0002**   **SF03.0012**
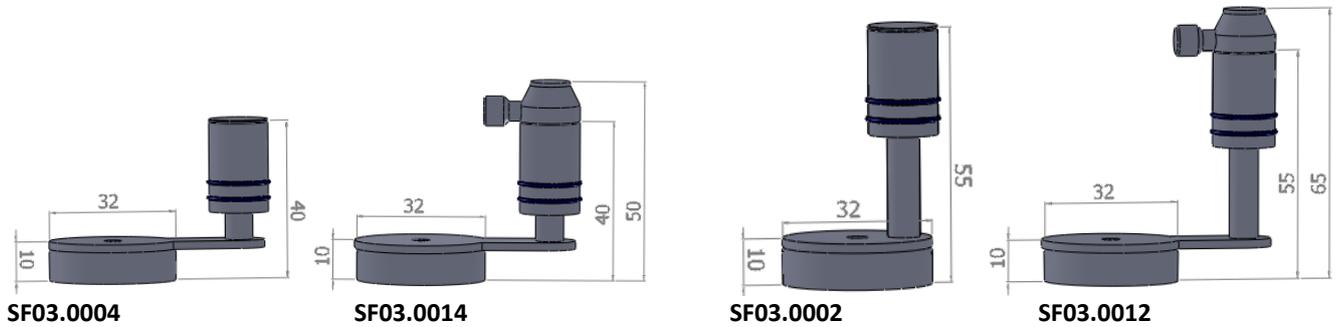
Technical Details of Flex-Support

0-10mm spring loaded

40mm

39mm

Rotation knob to loose and teight pins

Length of Supporter:
10 pin: 440mm
12 pin: 520mm
18 pin: 760mm
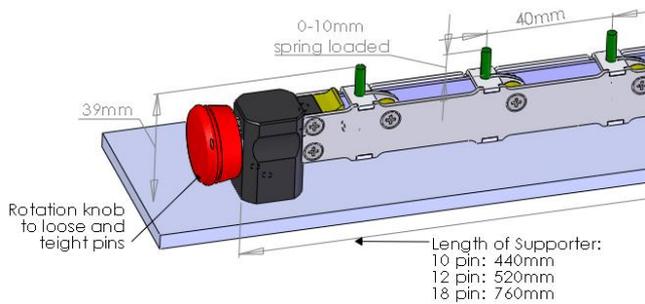
SF36.1001 and SF36.1002 and SF36.1005

Technical Details of Fix-Support

10mm not flexible

85mm

36,50mm

Length of Supporter: 4 pin: 350mm
6 pin: 515mm
8 pin: 760mm
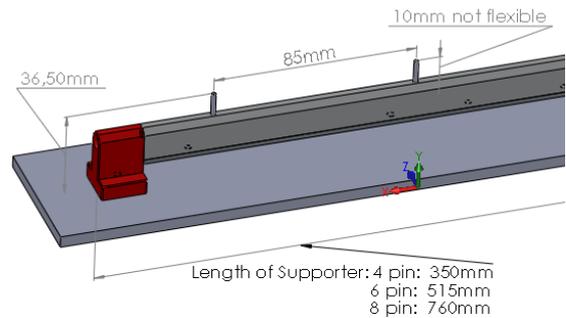
SF36.1003 and SF36.1004 and SF36.1007

Technical Details of PCB Support Rails and Magnet Holder Rails - Series 40,5mm
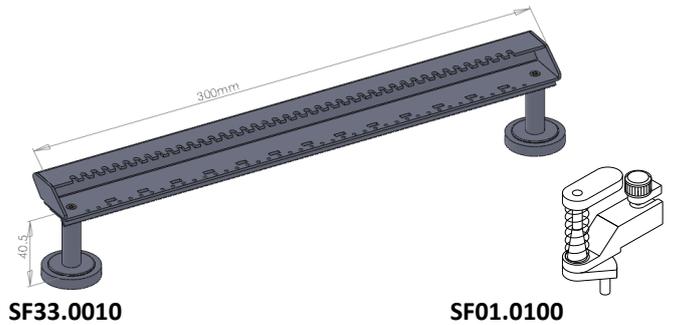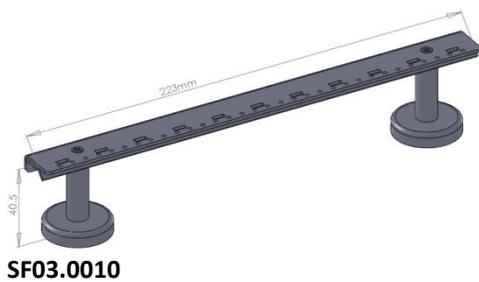
223mm

40,5

SF03.0010

300mm

40,5

SF33.0010   **SF01.0100**

Technical Details of PCB Support Rails and Magnet Holder Rails - Series 55,5mm

223mm

55,5

SF03.0011

300mm

55,5

SF33.0014   **SF01.0100**
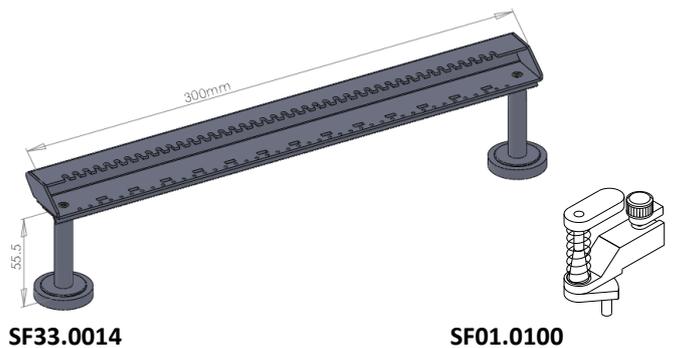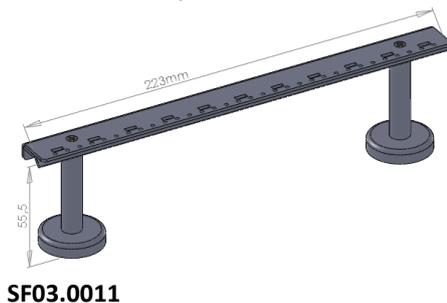
TECH INFO – PCB SUPPORT SYSTEM

Dimensions and Sizes

Technical Details of Magnet Clamp Holder

0-110mm Spring Loaded
150mm
40mm

SF03.0019

0-145mm Spring Loaded
120mm
Adjustable
54mm-68mm
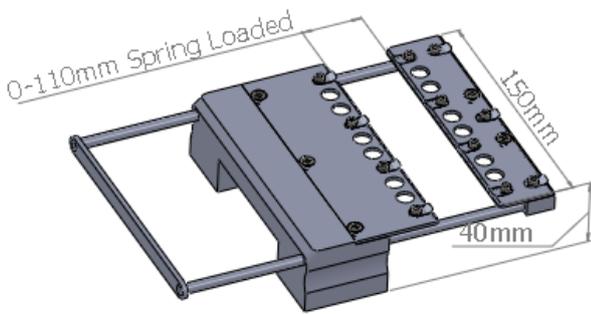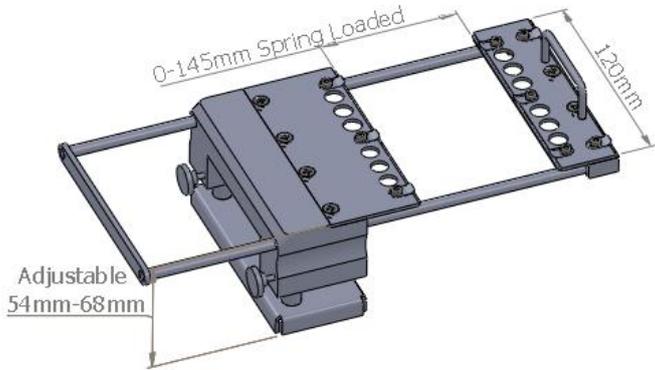
SF04.0020

Technical Details of Base Plates

280mm
380mm
Earth Point

SF03.0018

200mm
53,5mm
380mm
Earth Point
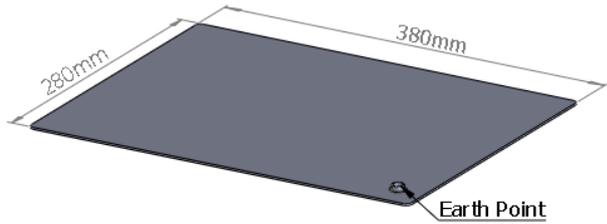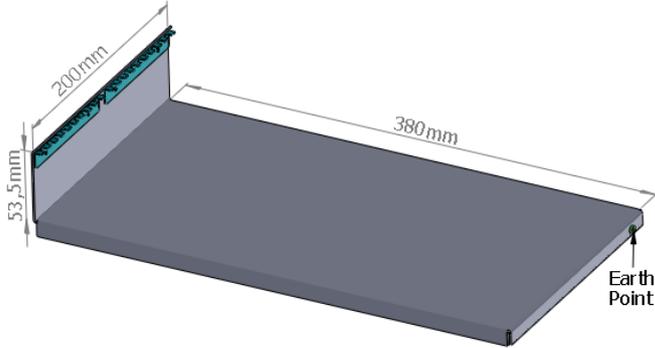
HT00.0000

Technical Details of PCB Support

1.5
IRF
06 / 07
1.5 mm
38.0

SF30.0004

3
IRF
06 / 07
3.0 mm
36.5

SF30.0005