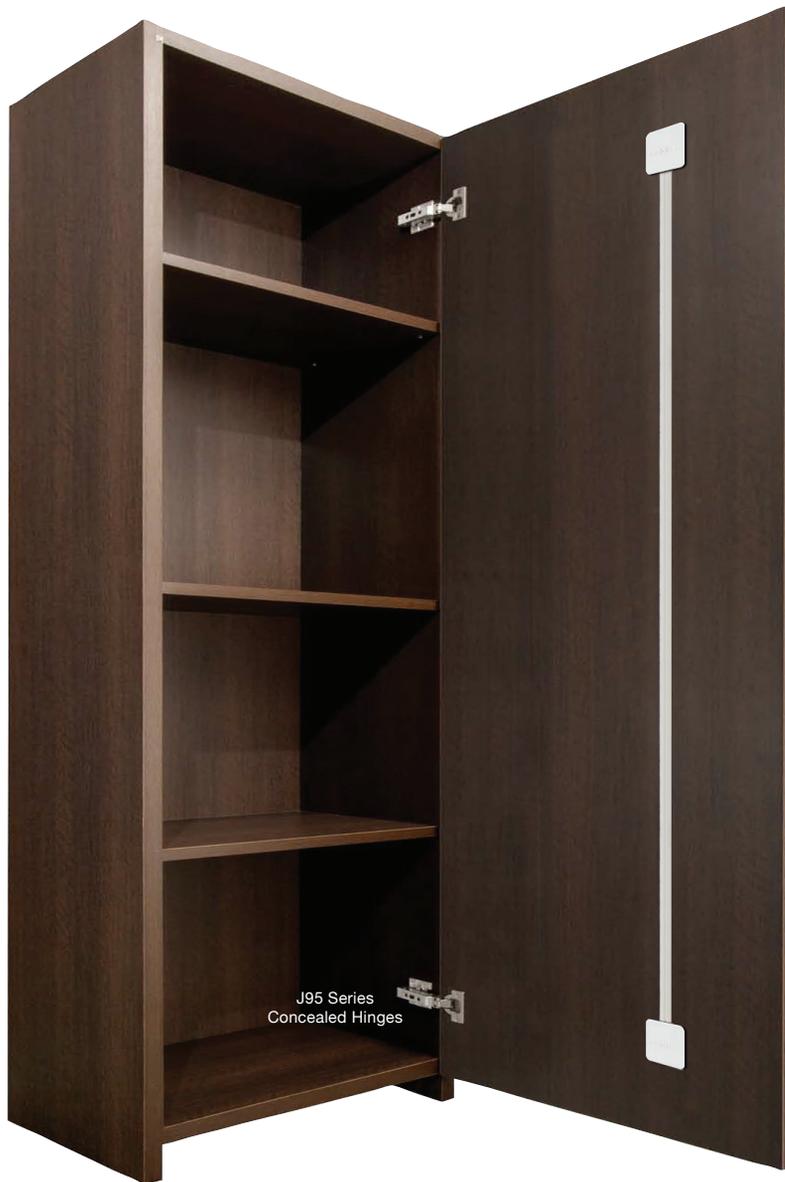


DOOR STRAIGHTENERS



Recessed



Concealed

Protect your doors from future warping with Sugatsune's new door straighteners. Models DSR213, DSR423 and DSR403 are installed at the time of manufacturing to prevent warping. Available for recessed and concealed installation.

Fix your warped doors with model DSR701 retrofit door straightener which can be recessed or surface mounted onto your doors.

For more information and to explore our line of over 6,000 architectural and industrial products, please visit our website at www.sugatsune.com.

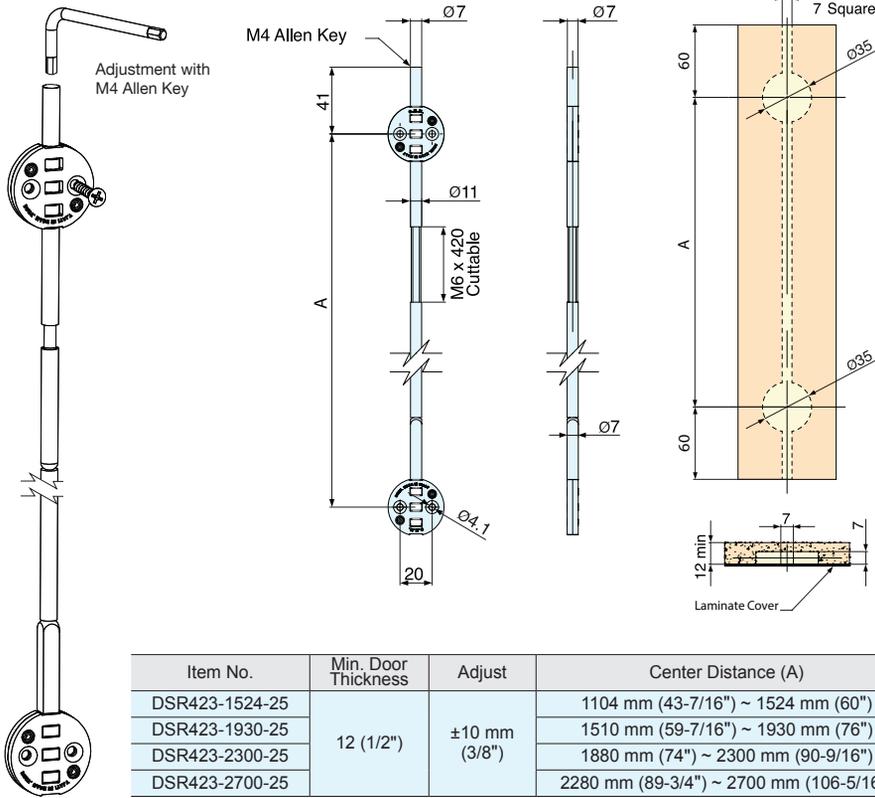
CONCEALED DOOR STRAIGHTENER



DSR423

HINGES

DOOR STRAIGHTENER



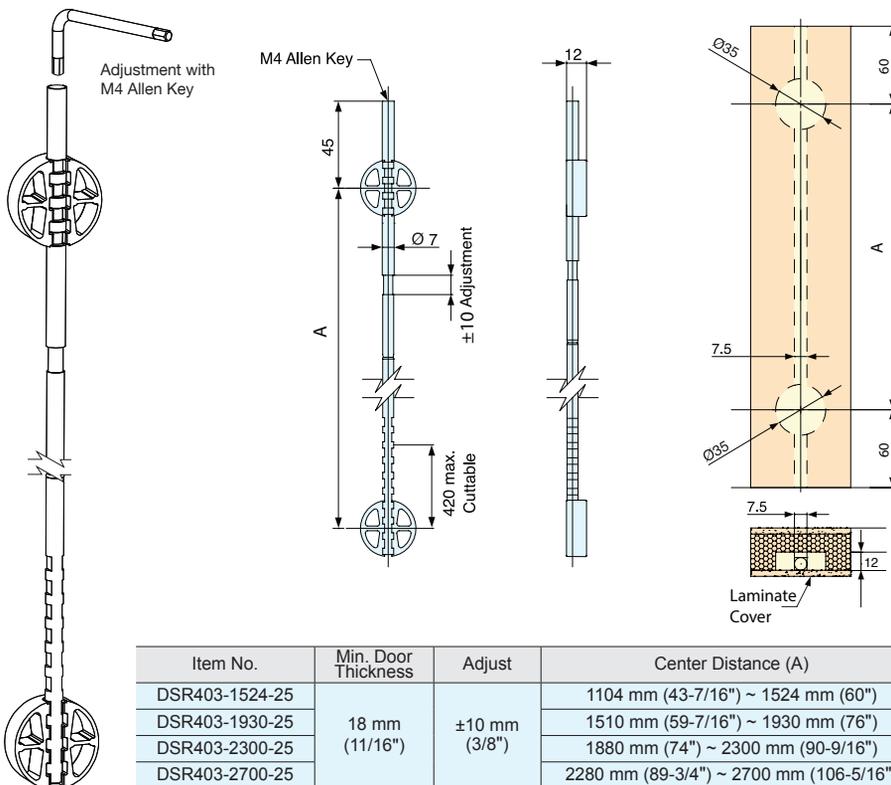
- Fully concealed/hidden door straightener. Recessed mounted under laminate.
- ±10mm adjustment can be made from the top of the door with a M4 Allen Key (included).
- Min. door thickness 12mm (1/2").
- Optional mounting holes to secure door straightener to door using 4 M4 (U.S. #8) flathead countersunk wood screws.
- Note: Sold in Boxes of 25 pieces.

Box (pcs)	Materials	Finish
25	Rod: Steel	Plain
	Adjuster: Zinc	Nickel

Item No.	Min. Door Thickness	Adjust	Center Distance (A)	Door Length
DSR423-1524-25	12 (1/2")	±10 mm (3/8")	1104 mm (43-7/16") ~ 1524 mm (60")	1224 mm (48-3/16") ~ 1644 mm (64-3/4")
DSR423-1930-25			1510 mm (59-7/16") ~ 1930 mm (76")	1630 mm (64-3/16") ~ 2050 mm (80-11/16")
DSR423-2300-25			1880 mm (74") ~ 2300 mm (90-9/16")	2000 mm (78-3/4") ~ 2420 mm (95-1/4")
DSR423-2700-25			2280 mm (89-3/4") ~ 2700 mm (106-5/16")	2700 mm (94-1/2") ~ 2820 mm (111")

CONCEALED DOOR STRAIGHTENER

DSR403



- Fully Concealed/Hidden Door Straightener. Recess mounted under laminate.
- ±10mm adjustment can be made from the top of the door with a M4 Allen Key (included).
- Min. door thickness 18mm (11/16").
- Can be cut from the bottom up to 420mm (16-9/16").
- Pressure-fit into place, screws not needed for installation.
- Note: Sold in Boxes of 25 pieces.

Box (pcs)	Materials	Finish
25	Rod: Steel	Plain
	Adjuster: Zinc	Nickel

Item No.	Min. Door Thickness	Adjust	Center Distance (A)	Door Length
DSR403-1524-25	18 mm (11/16")	±10 mm (3/8")	1104 mm (43-7/16") ~ 1524 mm (60")	1224 mm (48-3/16") ~ 1644 mm (64-3/4")
DSR403-1930-25			1510 mm (59-7/16") ~ 1930 mm (76")	1630 mm (64-3/16") ~ 2050 mm (80-11/16")
DSR403-2300-25			1880 mm (74") ~ 2300 mm (90-9/16")	2000 mm (78-3/4") ~ 2420 mm (95-1/4")
DSR403-2700-25			2280 mm (89-3/4") ~ 2700 mm (106-5/16")	2700 mm (94-1/2") ~ 2820 mm (111")

RECESSED DOOR STRAIGHTENER



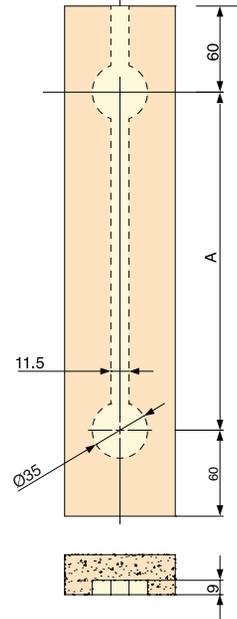
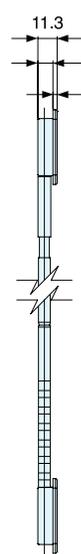
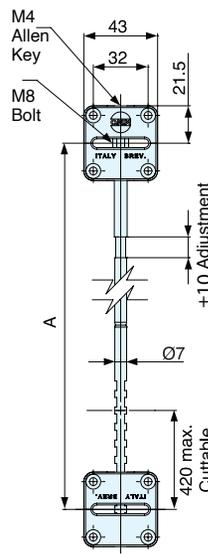
DSR213

- Partially Recessed Door Straightener with Cover Caps.
- ±10mm adjustment can be made from the top of the door with a M4 Allen Key (included) or from the back of the door with a M8 slot wrench (included).
- Min. door thickness 16 mm (5/8")
- Requires 8 M4 (U.S. #8) flathead countersunk wood screws for installation.
- Note: Sold in Boxes of 25 pieces.

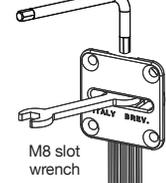


Plastic cover caps included

Box (pcs)	Materials	Finish
25	Rod: Steel,	Plain
	Adjuster: Zinc	Nickel
	Covers: PVC Plastic, PPT Plastic	White



Adjustment with M4 Allen Key



M8 slot wrench



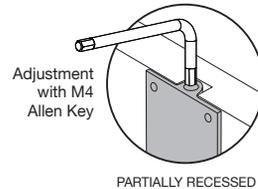
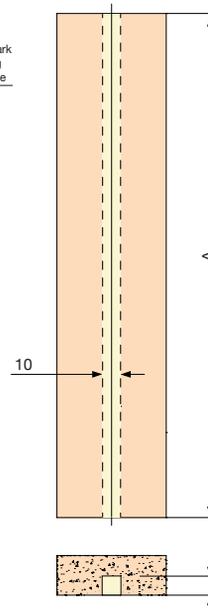
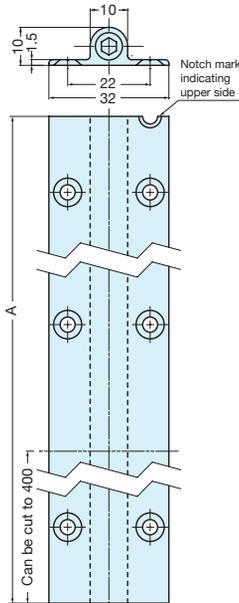
Item No.	Min. Door Thickness	Adjust	Center Distance (A)	Door Length
DSR213-1524-25	16 mm (5/8")	±10 mm (3/8")	1104 mm (43-7/16") ~ 1524 mm (60")	1224 mm (48-3/16") ~ 1644 mm (64-3/4")
DSR213-1930-25			1510 mm (59-7/16") ~ 1930 mm (76")	1630 mm (64-3/16") ~ 2050 mm (80-11/16")
DSR213-2300-25			1880 mm (74") ~ 2300 mm (90-9/16")	2000 mm (78-3/4") ~ 2420 mm (95-1/4")
DSR213-2700-25			2280 mm (89-3/4") ~ 2700 mm (106-5/16")	2700 mm (94-1/2") ~ 2820 mm (111")

SURFACE MOUNT DOOR STRAIGHTENER (Retrofit)

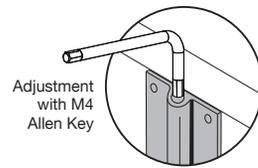


DSR701

- Can be partially recessed or surface mounted to the back of the door.
- ±10mm adjustment can be made from the top of the door with a M4 Allen Key (included).
- Min. door thickness 16 mm (9/16").
- Requires M4 (U.S. #8) flathead wood countersunk screws for partially recessed installation or wood panhead screws for surface installation.
- Can be cut from the bottom up to 400mm.
- Note: Sold in Boxes of 10 pieces.



PARTIALLY RECESSED



SURFACE



Item No.	Min. Door Thickness	Adjust (mm)	Length Min-Max (A)	Box (pcs)	Materials	Finish
DSR701-1830/B-10	16 (5/8")	±10 mm (3/8")	1430 mm (56-5/16") to 1830 mm (72-1/16")	10	Rod: Steel Casing: Aluminum	Black
DSR701-1830/S-10						Silver
DSR701-2200/B-10			Black			
DSR701-2200/S-10			Silver			

