EBOSS ELECTRICAL ACCESSORIES | **TILE CONDUIT** MOUNT

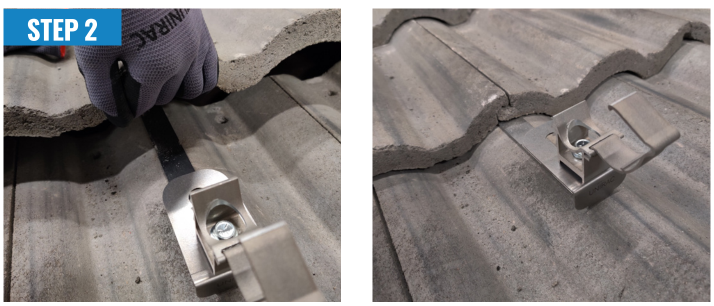
UNIRAC®
BETTER SOLAR STARTS HERE

INSTALLATION GUIDE

STEP 1: **PREPARE CONDUIT BASE ON TILE ATTACHMENT STRIP**

Determine which side of the tile attachment strip will hook on the tile depending on the tile thickness[1]. Install the cage nut in the slot on the other side of tile attachment strip (the side used to hook on the tile). Install the conduit base on the tile attachment strip by using the screw on the cage nut. DO NOT tighten the screw yet. Note that the slot on the tile attachment strip allows some North-South adjust-ability which will be useful when later installing the conduit.

Note: For areas with higher corrosion risk, installers are responsible for precautionary steps, such as applying coating to the exposed parts. Refer to your local guidelines or contact Unirac for more information.



STEP 2: **INSTALL TILE ATTACHMENT ON TILE ROOF**

Determine the location of conduit support on the tile roof. Lift the tile on the location, and simply hook the tile attachment strip on the highest point of the tile[2]. Notice that the long side of the strip is thinner than the sides where the conduit base is attached. Ensure that the tile lays as flat as possible on the tile below it as previously installed (not by the tile attachment strip too much).

STEP 3: **INSTALL CONDUIT**

Ensure best fit by adjusting the conduit base North-South direction on the slot to where the conduit needs to run. Tighten the screw into the cage nut while holding on to the top side of the attachment strip to prevent twisting. Torque to 30 in-lbs. Lay conduit base, then snap cap into place, securing the conduit[3].

TIPS:

[1] The Unirac Tile Conduit Mount accommodates tile thickness of 1" or less on one side, and up to 1.5" on the other side.

[2] Highest point of the tile meaning: the top of the barrel for barrel & W tiles, the "hill" for S tiles, or anywhere for flat tiles.

[3] Note that the conduit base on the Tile Conduit Mount matches the capabilities of the Unirac Conduit Nount 2.0 which accommodates: 1" RMC/PVC Conduit with first notch, 1" EMT Conduit with the second notch, 3/4" RMC/PVC Conduit with third notch and 3/4" EMT Conduit with the fourth.

CAP REMOVAL: Cap can be removed from the conduit by inserting a flat head screw driver into the slot in the cap, and prying gently until cap clears notch in the base. Torque Value: 30 in-lbs.

UL 2239 LISTED Conduit Mount conforms to UL Standard 2239 " Hardware for the support of Conduit, Tubing, and Cable" requirements. Temperature Rating: -40° F to 194° F (-40° C to 90° C). Suitable for wet locations and max 3.05M (10ft) support interval.

EVERTHING YOU NEED FOR A QUICK, PROFESSIONAL INSTALLATION

TILE CONDUIT MOUNT SPANS

Important: When installing on exceptional tile roof pitches (beyond 4:12 or 18.43 degree pitch), ensure that the tiles are fastened into place with extra precaution—consult with your roof installer whether nailing, adhesive, or any other method is necessary for the tiles to handle extra weight of the electrical system including the conduit and the mounts.

Maximum attachment Spacing to Tile (ft.) Ground Snow = 5 psf											15 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	10.0	10.0	10.0	10.0	10.0	6.5	5.0	4.2	3.7	3.5	3.3	3.3
	C	10.0	10.0	10.0	10.0	9.6	6.1	4.8	4.1	3.7	3.5	3.3	3.3
100	B	10.0	10.0	10.0	10.0	9.5	6.1	4.7	4.1	3.7	3.5	3.3	3.3
	C	10.0	9.7	9.2	8.9	8.5	5.6	4.5	3.9	3.6	3.4	3.3	3.2
110	B	10.0	9.7	9.3	8.9	8.5	5.6	4.5	3.9	3.6	3.4	3.3	3.2
	C	8.5	8.1	7.8	7.5	7.3	5.2	4.2	3.7	3.4	3.2	3.1	3.1
120	B	8.6	8.3	8.0	7.7	7.4	5.3	4.2	3.7	3.4	3.2	3.1	3.1
	C	7.2	6.9	6.7	6.5	6.3	4.8	3.9	3.5	3.2	3.0	3.0	2.9
130	B	7.4	7.1	6.9	6.7	6.5	4.9	4.0	3.5	3.2	3.1	3.0	3.0
	C	6.1	6.0	5.8	5.6	5.5	4.4	3.7	3.3	3.0	2.9	2.8	2.8
140	B	6.4	6.2	6.0	5.9	5.7	4.5	3.8	3.3	3.1	2.9	2.9	2.8
	C	5.3	5.2	5.0	4.9	4.8	4.1	3.4	3.1	2.9	2.7	2.7	2.6
150	B	5.6	5.5	5.3	5.2	5.1	4.2	3.5	3.2	2.9	2.8	2.7	2.7
	C	4.7	4.5	4.4	4.3	4.3	3.8	3.2	2.9	2.7	2.6	2.5	2.5
160	B	5.0	4.8	4.7	4.6	4.5	3.9	3.3	3.0	2.8	2.7	2.6	2.6
	C	4.1	4.0	3.9	3.9	3.8	3.5	3.0	2.7	2.6	2.5	2.4	2.4
170	B	4.4	4.3	4.2	4.1	4.1	3.6	3.1	2.8	2.6	2.5	2.5	2.5
	C	3.6	3.6	3.5	3.4	3.4	3.2	2.8	2.6	2.4	2.3	2.3	2.3
180	B	3.9	3.9	3.8	3.7	3.7	3.4	2.9	2.7	2.5	2.4	2.4	2.3
	C	3.3	3.2	3.1	3.1	3.1	3.0	2.6	2.4	2.3	2.2	2.2	2.1

Maximum attachment Spacing to Tile (ft.) Ground Snow = 10 psf											15 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	10.0	10.0	10.0	10.0	8.4	4.2	2.8	2.3	2.0	1.9	1.8	1.8
	C	10.0	10.0	10.0	10.0	7.8	4.1	2.8	2.3	2.0	1.9	1.8	1.8
100	B	10.0	10.0	10.0	10.0	7.7	4.1	2.8	2.3	2.0	1.9	1.8	1.8
	C	10.0	9.7	9.2	8.9	7.0	3.9	2.8	2.3	2.0	1.9	1.8	1.8
110	B	10.0	9.7	9.3	8.9	7.0	3.9	2.8	2.3	2.0	1.9	1.8	1.8
	C	8.5	8.1	7.8	7.5	6.4	3.7	2.8	2.3	2.0	1.9	1.8	1.8
120	B	8.6	8.3	8.0	7.7	6.4	3.7	2.8	2.3	2.0	1.9	1.8	1.8
	C	7.2	6.9	6.7	6.5	5.8	3.5	2.7	2.3	2.0	1.9	1.8	1.8
130	B	7.4	7.1	6.9	6.7	5.9	3.5	2.7	2.3	2.0	1.9	1.8	1.8
	C	6.1	6.0	5.8	5.6	5.2	3.3	2.5	2.2	2.0	1.9	1.8	1.8
140	B	6.4	6.2	6.0	5.9	5.4	3.3	2.6	2.2	2.0	1.9	1.8	1.8
	C	5.3	5.2	5.0	4.9	4.8	3.1	2.4	2.1	1.9	1.8	1.8	1.7
150	B	5.6	5.5	5.3	5.2	4.9	3.2	2.5	2.1	1.9	1.8	1.8	1.8
	C	4.7	4.5	4.4	4.3	4.3	2.9	2.3	2.0	1.8	1.7	1.7	1.7
160	B	5.0	4.8	4.7	4.6	4.5	3.0	2.4	2.1	1.9	1.8	1.7	1.7
	C	4.1	4.0	3.9	3.9	3.8	2.7	2.2	1.9	1.8	1.7	1.6	1.6
170	B	4.4	4.3	4.2	4.1	4.1	2.8	2.3	2.0	1.8	1.7	1.7	1.7
	C	3.6	3.6	3.5	3.4	3.4	2.6	2.1	1.8	1.7	1.6	1.6	1.6
180	B	3.9	3.9	3.8	3.7	3.7	2.7	2.2	1.9	1.7	1.7	1.6	1.6
	C	3.3	3.2	3.1	3.1	3.1	2.4	2.0	1.8	1.6	1.6	1.5	1.5

TILE CONDUIT MOUNT SPANS

Important: When installing on exceptional tile roof pitches (beyond 4:12 or 18.43 degree pitch), ensure that the tiles are fastened into place with extra precaution—consult with your roof installer whether nailing, adhesive, or any other method is necessary for the tiles to handle extra weight of the electrical system including the conduit and the mounts.

Maximum attachment Spacing to Tile (ft.) Ground Snow = 25 psf												15 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	9.8	9.9	10.0	10.0	5.2	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	10.0	10.0	10.0	10.0	5.0	1.8	1.2	1.0	0.8	0.8	0.8	0.7
100	B	10.0	10.0	10.0	10.0	4.9	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	10.0	9.7	9.2	8.9	4.7	1.8	1.2	1.0	0.8	0.8	0.8	0.7
110	B	10.0	9.7	9.3	8.9	4.7	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	8.5	8.1	7.8	7.5	4.4	1.8	1.2	1.0	0.8	0.8	0.8	0.7
120	B	8.6	8.3	8.0	7.7	4.4	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	7.2	6.9	6.7	6.5	4.1	1.8	1.2	1.0	0.8	0.8	0.8	0.7
130	B	7.4	7.1	6.9	6.7	4.1	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	6.1	6.0	5.8	5.6	3.8	1.8	1.2	1.0	0.8	0.8	0.8	0.7
140	B	6.4	6.2	6.0	5.9	3.9	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	5.3	5.2	5.0	4.9	3.5	1.8	1.2	1.0	0.8	0.8	0.8	0.7
150	B	5.6	5.5	5.3	5.2	3.6	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	4.7	4.5	4.4	4.3	3.3	1.7	1.2	1.0	0.8	0.8	0.8	0.7
160	B	5.0	4.8	4.7	4.6	3.4	1.7	1.2	1.0	0.8	0.8	0.8	0.7
	C	4.1	4.0	3.9	3.9	3.1	1.7	1.2	1.0	0.8	0.8	0.8	0.7
170	B	4.4	4.3	4.2	4.1	3.2	1.7	1.2	1.0	0.8	0.8	0.8	0.7
	C	3.6	3.6	3.5	3.4	2.9	1.6	1.2	1.0	0.8	0.8	0.8	0.7
180	B	3.9	3.9	3.8	3.7	3.0	1.6	1.2	1.0	0.8	0.8	0.8	0.7
	C	3.3	3.2	3.1	3.1	2.7	1.5	1.2	1.0	0.8	0.8	0.8	0.7

Maximum attachment Spacing to Tile (ft.) Ground Snow = 40 psf												15 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	8.1	8.7	9.5	10.0	3.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	8.7	9.4	10.0	9.9	3.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
100	B	8.7	9.4	10.0	9.8	3.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	9.6	9.7	9.2	8.7	3.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
110	B	9.5	9.7	9.3	8.7	3.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	8.5	8.1	7.8	7.5	3.3	1.1	0.8	0.6	0.5	0.5	0.5	0.5
120	B	8.6	8.3	8.0	7.7	3.3	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	7.2	6.9	6.7	6.5	3.1	1.1	0.8	0.6	0.5	0.5	0.5	0.5
130	B	7.4	7.1	6.9	6.7	3.2	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	6.1	6.0	5.8	5.6	3.0	1.1	0.8	0.6	0.5	0.5	0.5	0.5
140	B	6.4	6.2	6.0	5.9	3.0	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	5.3	5.2	5.0	4.9	2.8	1.1	0.8	0.6	0.5	0.5	0.5	0.5
150	B	5.6	5.5	5.3	5.2	2.9	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	4.7	4.5	4.4	4.3	2.7	1.1	0.8	0.6	0.5	0.5	0.5	0.5
160	B	5.0	4.8	4.7	4.6	2.7	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	4.1	4.0	3.9	3.9	2.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
170	B	4.4	4.3	4.2	4.1	2.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	3.6	3.6	3.5	3.4	2.4	1.1	0.8	0.6	0.5	0.5	0.5	0.5
180	B	3.9	3.9	3.8	3.7	2.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	3.3	3.2	3.1	3.1	2.2	1.1	0.8	0.6	0.5	0.5	0.5	0.5

TILE CONDUIT MOUNT SPANS

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Maximum attachment Spacing to Tile (ft.) Ground Snow = 5 psf											30 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	10.0	10.0	10.0	10.0	10.0	6.5	5.0	4.2	3.7	3.5	3.3	3.3
	C	10.0	10.0	9.8	9.4	8.8	5.8	4.6	4.0	3.6	3.4	3.3	3.3
100	B	10.0	10.0	10.0	10.0	9.5	6.1	4.7	4.1	3.7	3.5	3.3	3.3
	C	8.9	8.5	8.2	7.9	7.6	5.3	4.3	3.7	3.4	3.3	3.2	3.1
110	B	10.0	9.7	9.3	8.9	8.5	5.6	4.5	3.9	3.6	3.4	3.3	3.2
	C	7.4	7.1	6.9	6.7	6.5	4.9	4.0	3.5	3.2	3.1	3.0	3.0
120	B	8.6	8.3	8.0	7.7	7.4	5.3	4.2	3.7	3.4	3.2	3.1	3.1
	C	6.3	6.1	5.9	5.7	5.6	4.5	3.7	3.3	3.1	2.9	2.8	2.8
130	B	7.4	7.1	6.9	6.7	6.5	4.9	4.0	3.5	3.2	3.1	3.0	3.0
	C	5.4	5.2	5.1	5.0	4.8	4.1	3.4	3.1	2.9	2.7	2.7	2.7
140	B	6.4	6.2	6.0	5.9	5.7	4.5	3.8	3.3	3.1	2.9	2.9	2.8
	C	4.6	4.5	4.4	4.3	4.2	3.8	3.2	2.9	2.7	2.6	2.5	2.5
150	B	5.6	5.5	5.3	5.2	5.1	4.2	3.5	3.2	2.9	2.8	2.7	2.7
	C	4.0	4.0	3.9	3.8	3.7	3.5	3.0	2.7	2.5	2.4	2.4	2.4
160	B	5.0	4.8	4.7	4.6	4.5	3.9	3.3	3.0	2.8	2.7	2.6	2.6
	C	3.6	3.5	3.4	3.4	3.3	3.2	2.8	2.5	2.4	2.3	2.3	2.2
170	B	4.4	4.3	4.2	4.1	4.1	3.6	3.1	2.8	2.6	2.5	2.5	2.5
	C	3.2	3.1	3.1	3.0	3.0	2.9	2.6	2.4	2.2	2.2	2.1	2.1
180	B	3.9	3.9	3.8	3.7	3.7	3.4	2.9	2.7	2.5	2.4	2.4	2.3
	C	2.8	2.8	2.7	2.7	2.7	2.6	2.4	2.2	2.1	2.0	2.0	2.0

Maximum attachment Spacing to Tile (ft.) Ground Snow = 10 psf											30 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	10.0	10.0	10.0	10.0	8.4	4.2	2.8	2.3	2.0	1.9	1.8	1.8
	C	10.0	10.0	9.8	9.4	7.3	4.0	2.8	2.3	2.0	1.9	1.8	1.8
100	B	10.0	10.0	10.0	10.0	7.7	4.1	2.8	2.3	2.0	1.9	1.8	1.8
	C	8.9	8.5	8.2	7.9	6.5	3.7	2.8	2.3	2.0	1.9	1.8	1.8
110	B	10.0	9.7	9.3	8.9	7.0	3.9	2.8	2.3	2.0	1.9	1.8	1.8
	C	7.4	7.1	6.9	6.7	5.9	3.5	2.7	2.3	2.0	1.9	1.8	1.8
120	B	8.6	8.3	8.0	7.7	6.4	3.7	2.8	2.3	2.0	1.9	1.8	1.8
	C	6.3	6.1	5.9	5.7	5.3	3.3	2.6	2.2	2.0	1.9	1.8	1.8
130	B	7.4	7.1	6.9	6.7	5.9	3.5	2.7	2.3	2.0	1.9	1.8	1.8
	C	5.4	5.2	5.1	5.0	4.8	3.1	2.4	2.1	1.9	1.8	1.8	1.7
140	B	6.4	6.2	6.0	5.9	5.4	3.3	2.6	2.2	2.0	1.9	1.8	1.8
	C	4.6	4.5	4.4	4.3	4.2	2.9	2.3	2.0	1.8	1.7	1.7	1.7
150	B	5.6	5.5	5.3	5.2	4.9	3.2	2.5	2.1	1.9	1.8	1.8	1.8
	C	4.0	4.0	3.9	3.8	3.7	2.7	2.2	1.9	1.8	1.7	1.6	1.6
160	B	5.0	4.8	4.7	4.6	4.5	3.0	2.4	2.1	1.9	1.8	1.7	1.7
	C	3.6	3.5	3.4	3.4	3.3	2.5	2.1	1.8	1.7	1.6	1.6	1.6
170	B	4.4	4.3	4.2	4.1	4.1	2.8	2.3	2.0	1.8	1.7	1.7	1.7
	C	3.2	3.1	3.1	3.0	3.0	2.4	2.0	1.7	1.6	1.5	1.5	1.5
180	B	3.9	3.9	3.8	3.7	3.7	2.7	2.2	1.9	1.7	1.7	1.6	1.6
	C	2.8	2.8	2.7	2.7	2.7	2.2	1.9	1.7	1.5	1.5	1.4	1.4

TILE CONDUIT MOUNT SPANS

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Maximum attachment Spacing to Tile (ft.) Ground Snow = 25 psf												30 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	9.8	9.9	10.0	10.0	5.2	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	10.0	10.0	9.8	9.4	4.8	1.8	1.2	1.0	0.8	0.8	0.8	0.7
100	B	10.0	10.0	10.0	10.0	4.9	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	8.9	8.5	8.2	7.9	4.4	1.8	1.2	1.0	0.8	0.8	0.8	0.7
110	B	10.0	9.7	9.3	8.9	4.7	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	7.4	7.1	6.9	6.7	4.1	1.8	1.2	1.0	0.8	0.8	0.8	0.7
120	B	8.6	8.3	8.0	7.7	4.4	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	6.3	6.1	5.9	5.7	3.8	1.8	1.2	1.0	0.8	0.8	0.8	0.7
130	B	7.4	7.1	6.9	6.7	4.1	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	5.4	5.2	5.1	5.0	3.6	1.8	1.2	1.0	0.8	0.8	0.8	0.7
140	B	6.4	6.2	6.0	5.9	3.9	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	4.6	4.5	4.4	4.3	3.3	1.7	1.2	1.0	0.8	0.8	0.8	0.7
150	B	5.6	5.5	5.3	5.2	3.6	1.8	1.2	1.0	0.8	0.8	0.8	0.7
	C	4.0	4.0	3.9	3.8	3.1	1.6	1.2	1.0	0.8	0.8	0.8	0.7
160	B	5.0	4.8	4.7	4.6	3.4	1.7	1.2	1.0	0.8	0.8	0.8	0.7
	C	3.6	3.5	3.4	3.4	2.8	1.6	1.2	1.0	0.8	0.8	0.8	0.7
170	B	4.4	4.3	4.2	4.1	3.2	1.7	1.2	1.0	0.8	0.8	0.8	0.7
	C	3.2	3.1	3.1	3.0	2.6	1.5	1.1	1.0	0.8	0.8	0.8	0.7
180	B	3.9	3.9	3.8	3.7	3.0	1.6	1.2	1.0	0.8	0.8	0.8	0.7
	C	2.8	2.8	2.7	2.7	2.5	1.5	1.1	0.9	0.8	0.8	0.8	0.7

Maximum attachment Spacing to Tile (ft.) Ground Snow = 40 psf												30 ft	II
Wind (mph)	Exposure	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
90	B	8.1	8.7	9.5	10.0	3.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	9.2	10.0	9.8	9.1	3.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
100	B	8.7	9.4	10.0	9.8	3.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	8.9	8.5	8.2	7.9	3.4	1.1	0.8	0.6	0.5	0.5	0.5	0.5
110	B	9.5	9.7	9.3	8.7	3.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	7.4	7.1	6.9	6.7	3.2	1.1	0.8	0.6	0.5	0.5	0.5	0.5
120	B	8.6	8.3	8.0	7.7	3.3	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	6.3	6.1	5.9	5.7	3.0	1.1	0.8	0.6	0.5	0.5	0.5	0.5
130	B	7.4	7.1	6.9	6.7	3.2	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	5.4	5.2	5.1	5.0	2.8	1.1	0.8	0.6	0.5	0.5	0.5	0.5
140	B	6.4	6.2	6.0	5.9	3.0	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	4.6	4.5	4.4	4.3	2.7	1.1	0.8	0.6	0.5	0.5	0.5	0.5
150	B	5.6	5.5	5.3	5.2	2.9	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	4.0	4.0	3.9	3.8	2.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
160	B	5.0	4.8	4.7	4.6	2.7	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	3.6	3.5	3.4	3.4	2.4	1.1	0.8	0.6	0.5	0.5	0.5	0.5
170	B	4.4	4.3	4.2	4.1	2.6	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	3.2	3.1	3.1	3.0	2.2	1.1	0.8	0.6	0.5	0.5	0.5	0.5
180	B	3.9	3.9	3.8	3.7	2.5	1.1	0.8	0.6	0.5	0.5	0.5	0.5
	C	2.8	2.8	2.7	2.7	2.1	1.1	0.8	0.6	0.5	0.5	0.5	0.5