Brass split bolt for conductor-to-conductor connections (SBC)

SBC 1010 · SBC 1616 · SBC 2525 · SBC 3535 · SBC 5050 · SBC 7070 · SBC 9595 · SBC 1212 · SBC 1515 · SBC 1818 · SBC 2424



The KALOT split bolt is a slotted brass bolt with one nut that joins two copper conductors. The main conductor and the branch conductor lie side by side in the slot of the bolt, and tightening the nut presses them together between the nut and the bottom of the slot. It is used to take a branch from a main conductor without cutting it, and to join two conductors in parallel.

- Branch and parallel joints of two conductors
- Installs with an ordinary spanner
- Can be opened and re-closed
- 11 sizes, conductors from 1.5 to 240

Technical specifications

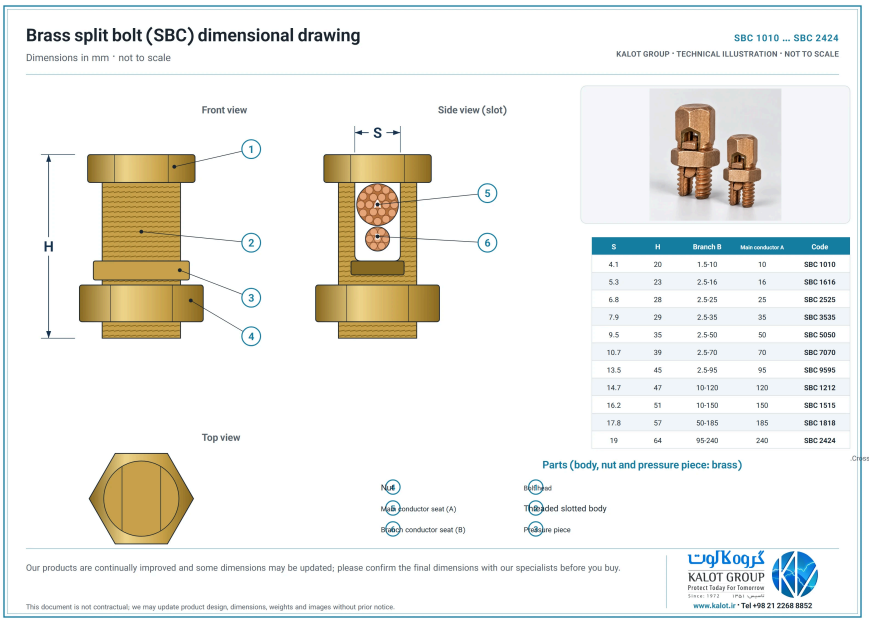
Type	Split bolt (slotted bolt and nut)
Body and nut material	Brass
Application	Branch and parallel joints of stranded copper conductors in earthing and bonding systems
Main conductor (A)	10 to 240 mm² (by code)
Branch conductor (B)	1.5 to 240 mm² (by code)
Installation method	Spanner; no special tools needed
Connection type	Can be opened and re-closed
Codes	SBC 1010 to SBC 2424

Codes and dimensions

Code	Main conductor A (mm²)	Branch conductor B (mm²)	H (mm)	S (mm)
SBC 1010	10	1.5-10	20	4.1
SBC 1616	16	2.5-16	23	5.3
SBC 2525	25	2.5-25	28	6.8
SBC 3535	35	2.5-35	29	7.9
SBC 5050	50	2.5-50	35	9.5
SBC 7070	70	2.5-70	39	10.7
SBC 9595	95	2.5-95	45	13.5
SBC 1212	120	10-120	47	14.7
SBC 1515	150	10-150	51	16.2

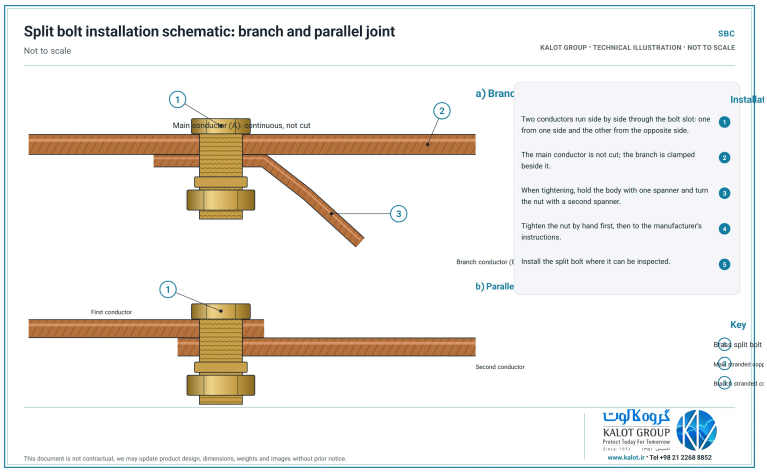
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Dimensional drawing



S	H	Branch B	Main conductor A	Code
4.1	20	1.5-10	10	SBC 1010
5.3	23	2.5-16	16	SBC 1616
6.8	28	2.5-25	25	SBC 2525
7.9	29	2.5-35	35	SBC 3535
9.5	35	2.5-50	50	SBC 5050
10.7	39	2.5-70	70	SBC 7070
13.5	45	2.5-95	95	SBC 9595
14.7	47	10-120	120	SBC 1212
16.2	51	10-150	150	SBC 1515
17.8	57	50-185	185	SBC 1818
19	64	95-240	240	SBC 2424

Installation schematic



Installation

1. Clean the strands of both conductors at the joint with a wire brush until bright copper shows. 2. Undo the nut. Place the main conductor in the slot of the bolt from one side and the branch conductor from the opposite side, so both pass fully through the slot. 3. Hand-tighten the nut so the conductors stay in place. 4. Hold the body with one spanner and tighten the nut with a second spanner to the manufacturer's instructions. 5. Check that both conductors have gone right to the end of the slot, so the whole clamping surface bears on them.

Selection and enquiries

When you enquire, tell us the cross-sections of the main and branch conductors and the quantity you need, and our specialists will recommend the right code.