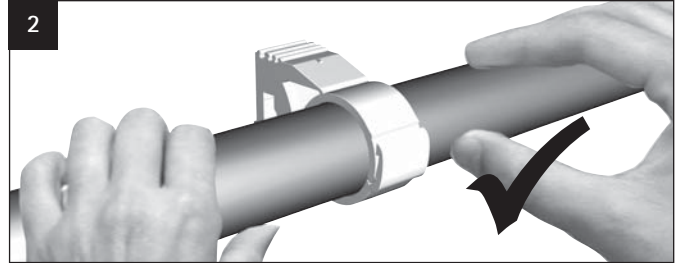
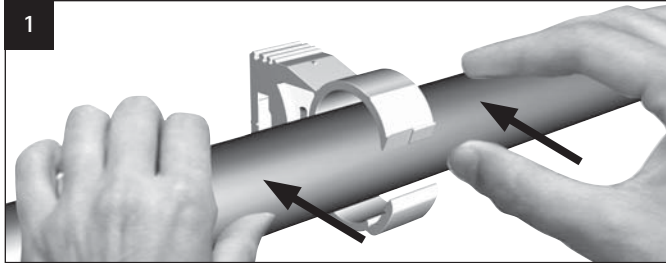


## BIS starQuick® Clamps

## Assembly instruction

### Basic instruction



### Certification

#### UL

Underwriters Laboratories Inc. has been testing to specification UL 1565 for limited support. As per this standard the clamps are tested for a maximum temperature of +50 °C (+122 °F) and a maximum rated safe load of:

- 20 lbs (89 N) for Ø 0.37 - 1.10 inch (SQ 10 - 25)
- 25 lbs (111 N) for Ø 1.08 - 2.17 inch (SQ 28 - 51)
- 50 lbs (222 N) for Ø 2.30 - 2.56 inch (SQ 59)



#### UPC

According to PS 42-2013  
Certified by IAPMO



#### Kiwa

**kiwa**  
(SQ 12 - 40)

#### IPC

Complies with IPC  
(International Plumbing Code)

### Technical info

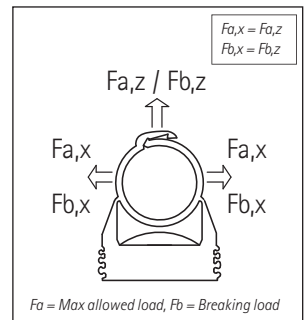
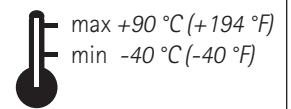
As per our own testing the acceptable safe use rises above the UL Listed values.

Walraven recommends the safe application of BIS starQuick® Clamps to the following temperatures and loads:

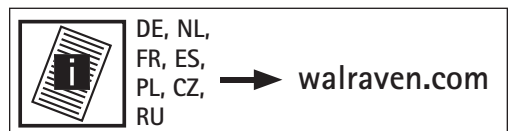
Grey	Grey + M6 nut	White	Copper	Type	Ø (mm)	Ø (DN)	Ø (")	Ø IPS (")	Ø CTS (")	Fa,z* (N)	Fb,z* (N)
085 4 010	085 4 610	085 5 010	085 5 810	SQ-10	10 - 12	6	0.37 - 0.47	1/8	1/4	170	500
085 4 012	085 4 612	085 5 012	085 5 812	SQ-12	12 - 14	8	0.45 - 0.59	1/4	3/8	180	550
085 4 015	085 4 615	085 5 015	085 5 815	SQ-15	14 - 16	-	0.55 - 0.64	-	1/2	200	600
085 4 018	085 4 618	085 5 018	085 5 818	SQ-17	16 - 20	10	0.62 - 0.78	3/8	5/8	230	700
085 4 022	085 4 622	085 5 022	085 5 822	SQ-20	20 - 23	15	0.76 - 0.92	1/2	3/4	270	800
085 4 028	085 4 628	085 5 028	085 5 828	SQ-25	24 - 28	20	0.94 - 1.10	3/4	-	280	850
085 4 031	085 4 631	085 5 031	085 5 831	SQ-28	28 - 32	-	1.08 - 1.25	-	1	300	900
085 4 035	085 4 635	085 5 035	-	SQ-32	32 - 35	25	1.22 - 1.40	1	1 1/4	330	1,000
085 4 038	085 4 638	085 5 038	-	SQ-36	35 - 40	-	1.37 - 1.57	-	-	370	1,100
085 4 042	085 4 642	085 5 042	-	SQ-40	40 - 44	32	1.54 - 1.75	1 1/4	1 1/2	400	1,200
085 4 050	085 4 650	085 5 050	-	SQ-47	44 - 50	-	1.73 - 1.96	-	-	430	1,300
085 4 054	085 4 654	085 5 054	-	SQ-51	48 - 55	40	1.88 - 2.16	1 1/2	2	470	1,400
085 4 063	-	085 5 063	-	SQ-59	59 - 65	50	2.30 - 2.55	2	-	500	1,500

\* Maximum allowed load at a temperature of +21 °C (+70 °F) and fixing with M6 BIS starQuick® nut + M6 steel threaded rod. The values are recommended values and based on our nowadays technical knowledge, experience and statements in the literature as well as testing under laboratory circumstances. They do not relieve the user of own testing of the end product due to the big number of parameter of influence in the mounting process and the application. A legal confirmed assurance of properties or the suitability for a specific application cannot be based on our specifications.

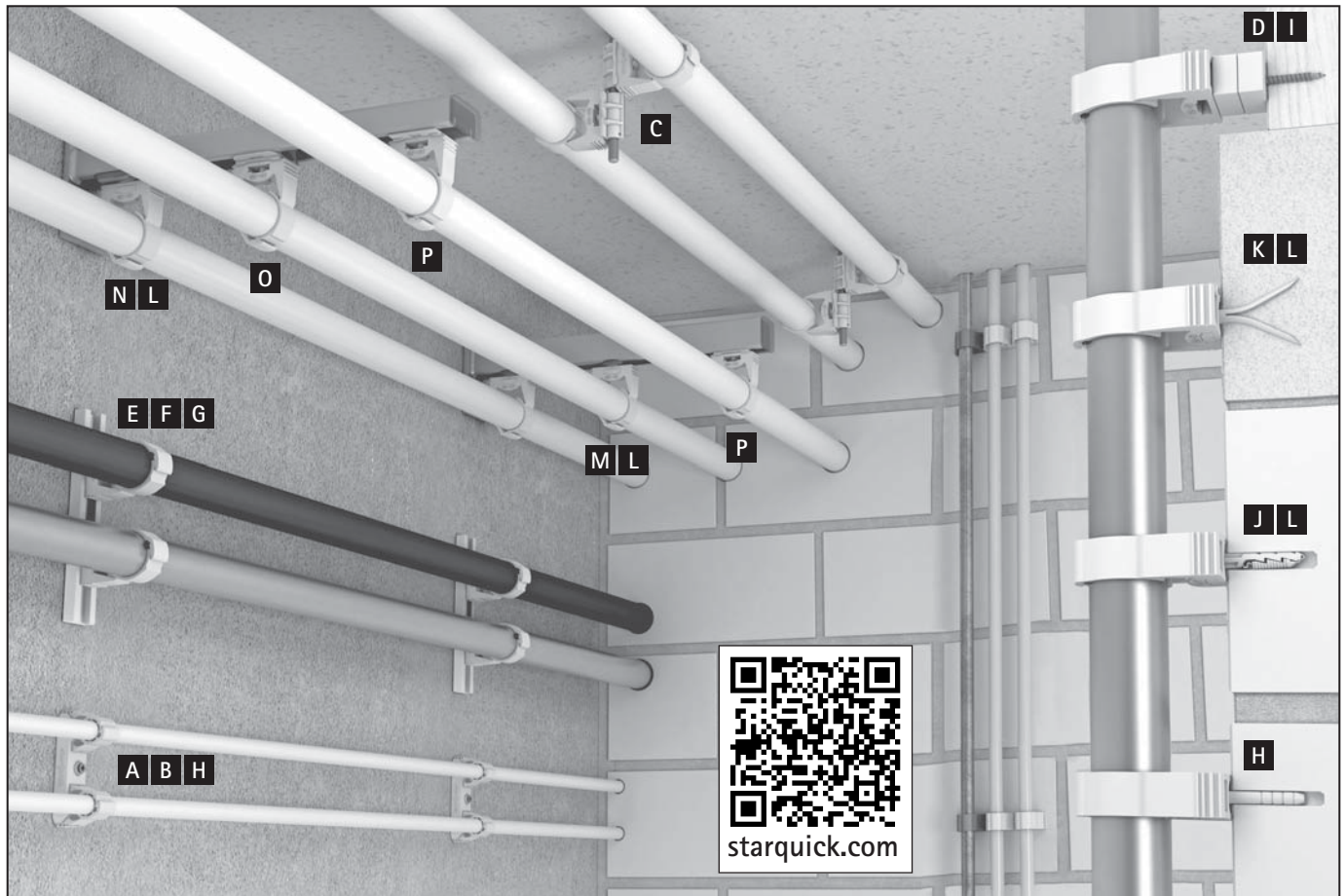
IPS = Iron Pipe Size, CTS = Copper Tube Size



BIS starQuick® Clamps are produced by Walraven, Spain.



## BIS starQuick® Accessories



<p><b>A</b></p> <p>≤ SQ-20</p>	<p><b>B</b></p> <p>≤ SQ-20</p>	<p><b>C</b></p> <p>≤ SQ-51</p>	<p><b>D</b></p> <p>≤ SQ-36</p>	<p><b>E</b></p> <p>≤ SQ-32</p>	<p><b>F</b></p> <p>≤ SQ-32</p>
<p>085 4 000 (grey) 085 5 000 (White)</p>	<p>085 4 300</p>	<p>085 4 356 (M6) 085 4 358 (M8)</p>	<p>085 4 510</p>	<p>085 4 316 (150 mm) 085 4 325 (1 m)</p>	<p>085 4 313 (For BIS starQuick® Rail)</p>
<p><b>G</b></p>	<p><b>H</b></p>	<p><b>I</b></p>	<p><b>J</b></p>	<p><b>K</b></p>	<p><b>L</b></p>
<p>085 4 314 (For BIS starQuick® Rail)</p>	<p>085 4 301</p>	<p>085 4 302</p>	<p>610 1 063 (M6)</p>	<p>610 0 063 (M6)</p>	<p>085 4 006 (M6, grey) 085 5 006 (M6, white) 085 4 007 (M7B, grey) 085 4 307 (M7F, grey) 085 4 308 (M8, grey)</p>
<p><b>M</b></p>	<p><b>N</b></p>	<p><b>O</b></p>	<p><b>P</b></p>		
<p>085 4 338 (M8)</p>	<p>085 4 348 (M8)</p>	<p>085 4 331</p>	<p>085 4 332</p>		
<p><b>?</b> <b>i</b></p>	<p>UK +44 (0)1295 75 34 28 DE +49 (0)921 75 60 0 NL +31 (0)297 23 30 00 BE +32 (0)16 82 20 40</p>	<p>FR +33 (0)4 76 04 10 70 ES +34 91 126 65 26 PL +48 (0)12 684 00 95 CZ/SK +420 326 724 009</p>	<p>HU (+36 1) 920 24 58 RU +7 (495) 664 35 08 UA +380 44 351 27 47 US +1 800 610 5056</p>	<p>DK +45 46 37 05 10 SE +46 (0)40 36 54 20 NO +45 46 37 05 10 CN +86 21 5176 0268</p>	