

Declaration of Performance

According to Annex III of the Regulation (EU) Nr.305/2011
(Construction Products Regulation).

Walraven pipe clamps 2S

DoP No. 23/0123-2S

1. Unique identification code of the product-type:

Walraven pipe clamps 2S, Item numbers:

33035014, 33035019, 33035024, 33035030, 33035037, 33035046, 33035052, 33035061, 33035067, 33035074, 33035081, 33035087, 33035095, 33035103, 33035112, 33035118, 33035127, 33035137, 33035144, 33035153, 33035162, 33035172, 33035183, 33035194, 33035205, 33035216, 33035225, 33435014, 33435019, 33435024, 33435030, 33435037, 33435046, 33435052, 33435061, 33435067, 33435074, 33435081, 33435087, 33435095, 33435103, 33435112, 33435118, 33435127, 33435137, 33435144, 33435153, 33435162, 33435172, 33435183, 33435194, 33435205, 33435216, 33435225.

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Date code is printed on the packaging

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Supporting technical building equipment according to EAD 280016-00-0602

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

J. van Walraven Holding B.V., Industrieweg 5, 3641 RK Mijdrecht, The Netherlands

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): n/a

n/a

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

n/a

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Technical and Test Institute for Construction Prague (TZUS) issued ETA 22/0322 on the basis of EAD 280016-00-0602, performed third party tasks under System 3 and issued document ER ETA 23/0123.

9. Declared performance:

Essential Characteristic	Performance	Harmonized Technical Specification
Characteristic and design resistance	See ETA 23/0123 Annex B1, B2	
Serviceability Limit State	See ETA 23/0123 Annex B2, B4	EAD 280016-00-0602
Resistance and deformation under fire exposure	NPD	
Reaction to fire: steel parts	A1	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Frank Nijdam
Co-CEO
J. van Walraven Holding B.V.



Signature

Date 28-07-2023

Annex B1

Characteristic and design resistance of Walraven pipe clamp 2S without lining

The characteristic resistance of pipe clamp was tested in accordance with Cl. 2.2.3.3 of the EAD 280016-00-0602. The largest and the smallest dimension from each subgroups (cross sectional geometry of the pipe steel band, material specifications, closing mechanism, joint between the threaded boss and pipe clamp band, threaded boss, material and cross-section geometry of the rubber inlay) was tested.

Part No.	Designation	Min. characteristic resistance F_{Rk} [N]	Min. design resistance F_{Rd} [N]
33035014	2S M8/M10 10 - 14		
33035019	2S M8/M10 15 - 19		
33035024	2S M8/M10 20 - 24	4000	3300
33035030	2S M8/M10 25 - 30		
33035037	2S M8/M10 31 - 37		
33035046	2S M8/M10 38 - 46		
33035052	2S M8/M10 47 - 52		
33035061	2S M8/M10 53 - 61	5900	5300
33035067	2S M8/M10 62 - 67		
33035074	2S M8/M10 68 - 74		
33035081	2S M8/M10 75 - 81	9000	8500
33035087	2S M8/M10 82 - 87		
33035095	2S M8/M10 88 - 95		
33035103	2S M8/M10 96 - 103		
33035112	2S M8/M10 104 - 112		
33035118	2S M8/M10 113 - 118		
33035127	2S M8/M10 119 - 127	9400	7000
33035137	2S M8/M10 128 - 137		
33035144	2S M8/M10 138 - 144		
33035153	2S M8/M10 145 - 153		
33035162	2S M8/M10 154 - 162		
33035172	2S M8/M10 163 - 172		
33035183	2S M8/M10 173 - 183		
33035194	2S M8/M10 184 - 194		
33035205	2S M8/M10 195 - 205	11000	8800
33035216	2S M8/M10 206 - 216		
33035225	2S M8/M10 217 - 225		

Table B.1.1: Characteristic and design resistance of Walraven pipe clamp 2S without lining

Annex B2

Characteristic and design resistance of Walraven pipe clamp 2S with lining

The characteristic resistance of pipe clamp was tested in accordance with Cl. 2.2.3.3 of the EAD 280016-00-0602. The largest and the smallest dimension from each subgroups (cross sectional geometry of the pipe steel band, material specifications, closing mechanism, joint between the threaded boss and pipe clamp band, threaded boss, material and cross-section geometry of the rubber inlay) was tested.

Part No.	Designation	Min. characteristic resistance F_{Rk} [N]	Min. design resistance F_{Rd} [N]
33435014	2S M8/M10 10 - 14		
33435019	2S M8/M10 15 - 19		
33435024	2S M8/M10 20 - 24	2800	2200
33435030	2S M8/M10 25 - 30		
33435037	2S M8/M10 31 - 37		
33435046	2S M8/M10 38 - 46		
33435052	2S M8/M10 47 - 52	5900	5000
33435061	2S M8/M10 53 - 61		
33435067	2S M8/M10 62 - 67		
33435074	2S M8/M10 68 - 74		
33435081	2S M8/M10 75 - 81	7800	6100
33435087	2S M8/M10 82 - 87		
33435095	2S M8/M10 88 - 95		
33435103	2S M8/M10 96 - 103		
33435112	2S M8/M10 104 - 112		
33435118	2S M8/M10 113 - 118		
33435127	2S M8/M10 119 - 127	9400	8000
33435137	2S M8/M10 128 - 137		
33435144	2S M8/M10 138 - 144		
33435153	2S M8/M10 145 - 153		
33435162	2S M8/M10 154 - 162		
33435172	2S M8/M10 163 - 172		
33435183	2S M8/M10 173 - 183		
33435194	2S M8/M10 184 - 194		
33435205	2S M8/M10 195 - 205	9500	8800
33435216	2S M8/M10 206 - 216		
33435225	2S M8/M10 217 - 225		

Table B.2.1: Characteristic and design resistance of Walraven pipe clamp 2S with lining

Annex B3

Resistance under serviceability limit state of Walraven pipe clamp 2S without lining

The Resistance under serviceability limit state of pipe clamp was tested in accordance with Cl. 2.2.3.4 of the EAD 280016-00-0602. The largest and the smallest dimension from each subgroups (cross sectional geometry of the pipe steel band, material specifications, closing mechanism, joint between the threaded boss and pipe clamp band, threaded boss, material and cross-section geometry of the rubber inlay) was tested.

Part No.	Designation	Min. average serviceability limit state F_{SLs} [N]	Displacement criteria [mm]
33035014	2S M8/M10 10 - 14	800	1,50
33035019	2S M8/M10 15 - 19		
33035024	2S M8/M10 20 - 24		
33035030	2S M8/M10 25 - 30	1000	1,50
33035037	2S M8/M10 31 - 37		
33035046	2S M8/M10 38 - 46		
33035052	2S M8/M10 47 - 52	1500	1,74
33035061	2S M8/M10 53 - 61		
33035067	2S M8/M10 62 - 67		
33035074	2S M8/M10 68 - 74	2000	3,24
33035081	2S M8/M10 75 - 81		
33035087	2S M8/M10 82 - 87		
33035095	2S M8/M10 88 - 95	3000	4,50
33035103	2S M8/M10 96 - 103		
33035112	2S M8/M10 104 - 112		
33035118	2S M8/M10 113 - 118	3000	4,50
33035127	2S M8/M10 119 - 127		
33035137	2S M8/M10 128 - 137		
33035144	2S M8/M10 138 - 144	3000	4,50
33035153	2S M8/M10 145 - 153		
33035162	2S M8/M10 154 - 162		
33035172	2S M8/M10 163 - 172	3000	4,50
33035183	2S M8/M10 173 - 183		
33035194	2S M8/M10 184 - 194		
33035205	2S M8/M10 195 - 205	3000	4,50
33035216	2S M8/M10 206 - 216		
33035225	2S M8/M10 217 - 225		

Table B.3.1: Characteristic and design resistance of Walraven pipe clamp 2S without lining

Annex B4

Resistance under serviceability limit state of Walraven pipe clamp 2S with lining

The Resistance under serviceability limit state of pipe clamp was tested in accordance with Cl. 2.2.3.4 of the EAD 280016-00-0602. The largest and the smallest dimension from each subgroups (cross sectional geometry of the pipe steel band, material specifications, closing mechanism, joint between the threaded boss and pipe clamp band, threaded boss, material and cross-section geometry of the rubber inlay) was tested.

Part No.	Designation	Min. average serviceability limit state F_{SLs} [N]	Displacement criteria [mm]
33035014	2S M8/M10 10 - 14	800	1,50
33035019	2S M8/M10 15 - 19		
33035024	2S M8/M10 20 - 24		
33035030	2S M8/M10 25 - 30	900	1,50
33035037	2S M8/M10 31 - 37		
33035046	2S M8/M10 38 - 46		
33035052	2S M8/M10 47 - 52	1100	1,74
33035061	2S M8/M10 53 - 61		
33035067	2S M8/M10 62 - 67		
33035074	2S M8/M10 68 - 74	1800	3,24
33035081	2S M8/M10 75 - 81		
33035087	2S M8/M10 82 - 87		
33035095	2S M8/M10 88 - 95	2400	4,50
33035103	2S M8/M10 96 - 103		
33035112	2S M8/M10 104 - 112		
33035118	2S M8/M10 113 - 118	2400	4,50
33035127	2S M8/M10 119 - 127		
33035137	2S M8/M10 128 - 137		
33035144	2S M8/M10 138 - 144	2400	4,50
33035153	2S M8/M10 145 - 153		
33035162	2S M8/M10 154 - 162		
33035172	2S M8/M10 163 - 172	2400	4,50
33035183	2S M8/M10 173 - 183		
33035194	2S M8/M10 184 - 194		
33035205	2S M8/M10 195 - 205	2400	4,50
33035216	2S M8/M10 206 - 216		
33035225	2S M8/M10 217 - 225		

Table B.4.1: Characteristic and design resistance of Walraven pipe clamp 2S with lining