



# DECLARATION OF PERFORMANCE

No: DoP-170139 [EN]



---

## Unique identification code of the product-type:

ESSVE ESSD (self-drilling) fastening screws  
ESSVE ESST (self-tapping) fastening screws

---

## Intended use:

The fastening screws are intended to be used for fastening steel sheeting to steel or timber supporting substructures. The sheeting can either be used as wall or roof cladding or as load bearing wall and roof element. The fastening screws can also be used for the fastening of any other thin gauge steel members.

The intended use comprises fastening screws and connections for indoor and outdoor applications. Fastening screws which are intended to be used in external environments with corrosion category class  $\geq$  C2 in accordance with EN ISO 12944-2 are made of stainless steel.

---

## European Assessment Document:

EAD 330046-01-0602

---

## European Technical Assessment:

ETA-17/0139 (issued on 2017-03-30)

---

---

## Manufacturer:

ESSVE Produkter AB  
BOX 7091  
164 07 Kista  
Sweden

[info@essve.se](mailto:info@essve.se)

---

## Technical Assessment Body:

INSTYTUT TECHNIKI BUDOWLANEJ (ITB)

---

## Notified Body:

1488

---

---

## System of AVCP:

2+

---



# DECLARATION OF PERFORMANCE

No: DoP-170139 [EN]



## Declared performance:

In the ETA the component to be fastened is component I and the supporting structure is component II. Component I is always a steel sheet (of varying thickness), component II has declared values for either steel or timber, as indicated by the Annex.

Fastener Diameter [mm]	Table number
3,5 & 4,2	Table 1
4,8	Table 2
5,5	Table 3
6,3	Table 4
6,5	Table 5

Table 1 – Declared performance of fastening screws with diameter 3,5 and 4,2 mm

ID code	Article Number	Diameter [mm]	Material/Coating	Max. drill capacity [mm]	Essential characteristics	Performance	Harmonised technical specification
ESSD (Pan head)	62300, 62301	3,5	EZP	2,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 1 (steel supporting structure)	ETA-17/0139
ESSD	62501, 62502	3,5	EZP	2,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 25 (steel supporting structure)	ETA-17/0139
ESSD (Pan head)	62304, 62305	4,2	EZP	2,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 2 (steel supporting structure)	ETA-17/0139
ESSD	62511, 62512, 62513, 62515, 513360	4,2	EZP	2,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 26 (steel supporting structure)	ETA-17/0139



# DECLARATION OF PERFORMANCE

No: DoP-170139 [EN]



Table 2 – Declared performance of fastening screws with diameter 4,8 mm

ID code	Article Number	Diameter [mm]	Material/Coating	Max. drill capacity [mm]	Essential characteristics	Performance	Harmonised technical specification
ESSD	62522, 62523, 62525, 62526	4,8	EZP	4,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 27 (steel supporting structure)	ETA-17/0139
ESSD-DECOR	63252, 63254, 63256, 63258, 63260, 63262, 63269, 63274, 63276, 63278, 63280, 63281, 63282, 63284	4,8	EZP	2,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 10 (timber supporting structure)	ETA-17/0139
ESSD-EPDM	63201, 63205, 63206, 63207, 63208, 63210, 63212, 63224, 63225, 63226, 63227, 63228, 63230, 63232, 63241, 63245, 64901, 64903, 64905, 64907, 64909, 64911, 64913, 64915, 64917, 64921, 64923, 64925, 64926, 64929, 64933, 64935, 64950, 64951, 64953, 64955, 64958, 64959, 64962, 64969, 64973, 64977, 64983, 64985, 513294, 513295, 513296, 10563226, 10563228, 10563232	4,8	EZP	3,5	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 5 (timber supporting structure)  Annex 33 (steel supporting structure)	ETA-17/0139
ESSD-EPDM	63723, 63739	4,8	Stainless steel A2	1,5	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 8 (timber supporting structure)	ETA-17/0139
ESSD-EPDM	63725	4,8	Stainless steel A2	2,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 6 (timber supporting structure)	ETA-17/0139
ESSD-FH	63642	4,8	CorrSeal	5,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 11 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63420	4,8	EZP	3,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 18 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63920	4,8	CorrSeal	3,0	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 14 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63520, 10563420, 10563520	4,8	EZP	3,5	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 28 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63820	4,8	CorrSeal	3,5	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 29 (steel supporting structure)	ETA-17/0139
ESSD-OL	63440, 63445	4,8	EZP	2,5	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 22 (steel supporting structure)	ETA-17/0139
ESST-EPDM	64201, 64203, 64205, 64207, 64209, 64211, 64221, 64223, 64229, 64231, 64233, 64241, 64243, 64245, 64301, 64305, 64311, 64319, 64321, 64402, 64404, 64406, 64408, 64412, 64414, 64416, 64422, 64502, 64504, 64506, 64508, 64510, 64603, 64605, 513289, 513291, 513292, 513293, 513297, 513299	4,8	EZP	1,5	N <sub>R,k</sub> V <sub>R,k</sub>	Annex 7 (timber supporting structure)	ETA-17/0139



# DECLARATION OF PERFORMANCE

No: DoP-170139 [EN]



Table 3 – Declared performance of fastening screws with diameter 5,5 mm

ID code	Article Number	Diameter [mm]	Material/Coating	Max. drill capacity [mm]	Essential characteristics	Performance	Harmonised technical specification
ESSD-FH	63640, 63644, 63646	5,5	CorrSeal	5,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 15 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63425, 63432, 63627, 63630, 63631	5,5	EZP	5,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 19 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63925, 63932, 63938, 63950	5,5	CorrSeal	5,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 12 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63632	5,5	EZP	12,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 21 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63525, 63527, 63530, 63531, 10563425, 10563525	5,5	EZP	6,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 34 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63833	5,5	CorrSeal	6,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 30 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63526	5,5	EZP	10,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 36 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63524, 63532, 10563524	5,5	EZP	12,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 35 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63835	5,5	CorrSeal	12,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 32 (steel supporting structure)	ETA-17/0139
ESSD-OL	63451	5,5	EZP	2,5	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 23 (steel supporting structure)	ETA-17/0139

Table 4 – Declared performance of fastening screws with diameter 6,3 mm

ID code	Article Number	Diameter [mm]	Material/Coating	Max. drill capacity [mm]	Essential characteristics	Performance	Harmonised technical specification
ESSD-FH	63648, 63650	6,3	CorrSeal	5,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 16 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63628, 63629, 63633, 63636, 63637, 63639	6,3	EZP	5,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 20 (steel supporting structure)	ETA-17/0139
ESSD-HQ	63928, 63939, 63951	6,3	CorrSeal	6,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 13 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63528	6,3	EZP	6,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 38 (steel supporting structure)	ETA-17/0139
ESSD-HQ-EPDM	63534, 63536, 63538, 63540	6,3	CorrSeal	16,0	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 31 (steel supporting structure)	ETA-17/0139
ESSD-OL	63442	6,3	EZP	2,5	N <sub>R,R</sub> V <sub>R,k</sub>	Annex 24 (steel supporting structure)	ETA-17/0139



# DECLARATION OF PERFORMANCE

No: DoP-170139 [EN]

**ESSVE**  
GET IT DONE

Table 5 – Declared performance of fastening screws with diameter 6,5 mm

ID code	Article Number	Diameter [mm]	Material/Coating	Max. drill capacity [mm]	Essential characteristics	Performance	Harmonised technical specification
ESST-EPDM	63036, 63037, 63038, 63039	6,5	EZP	2,5	$N_{R,k}$ $V_{R,k}$	Annex 3 (timber supporting structure)	ETA-17/0139
ESST-FH	63336, 63337, 63338, 63339	6,5	EZP	2,5	$N_{R,k}$ $V_{R,k}$	Annex 4 (timber supporting structure)	ETA-17/0139

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer above.

Signed for and on behalf of the manufacturer by:

Viktor Bukowski  
Product Developer/Technical expert – Fasteners

Kista 2017-04-24