

DECLARATION OF PERFORMANCE

DoP-Screw-EN14592 [EN]

Wood connector screw with fibre cut, Corraseal

Wood connector screw with fibre cut, A4

Construction screw-W (WAF) with large white-finished head, bright zinc plated

Facade screw countersunk head, A4

Facade screw collated countersunk head, A4

Facade screw with cylindrical head, A4

Chipboard screw for wooden joists, bright zinc plated 5 5M

Particleboard screw for wooden studs, bright zinc plated

Chipboard screw for wooden joists, TX drive, bright zinc plated

Hobau board screw, for wooden joists, yellow chromate

Form screw DPX

INTENDED USE

Dowel-type fasteners for use in load bearing timber structures in accordance with EN 14592. The screw thread length must be at least 4d to be covered (where d is the nominal diameter).

Declared performance covers:

Characteristic yield moment, $M_{y,k}$ [Nmm]

Characteristic withdrawal parameter, $f_{ax,k}$ [N/mm²]

Characteristics head pull-through parameter, $f_{head,k}$ [N/mm²]

Characteristics tensile capacity, $f_{tens,k}$ [kN]

Characteristics torsional ratio, $f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$

Durability

MANUFACTURER

ESSVE Produkter AB

Box 7091

SE 164 07 Kista

Sweden

info@essve.se

SYSTEM OF AVCP

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DoP-Screw-EN14592 [EN]

NOTIFIED BODY

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DoP-Screw-EN14592 [EN]

Wood connector screw with fibre cut, Corraseal

Geometry				
Diameter	Length	Diameter of head	Inner diameter	Thread length
5 mm	40 mm	8 mm	3,1 mm	35 mm

Wood connector screw with fibre cut, Corraseal

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	5 mm	
$M_{y,k}$ [Nmm]	4800	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	15,2	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	26,9	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	7,3	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	2,3 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 2 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Wood connector screw with fibre cut, Corraseal

Unique identification code of the product-type		
Item no	GTIN	Description
102267	7317761097105	WOOD CONNECTOR SCREW 5,0X40 CORRSEAL TX20
102667	7317761113713	WOOD CONNECTOR SCREW 5,0X40 CORRSEAL TX20
9102067	7317761406211	WOOD CONNECTOR SCREW 5,0X40 CORRSEAL TX20 BULK
10003694	7317761942290	WOOD CONNECTOR SCREW 5,0X40 CORRSEAL

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DoP-Screw-EN14592 [EN]

Wood connector screw with fibre cut, A4

Geometry				
Diameter	Length	Diameter of head	Inner diameter	Thread length
5 mm	40 mm	8 mm	3,1 mm	34 mm

Wood connector screw with fibre cut, A4

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	5 mm	
$M_{y,k}$ [Nmm]	4200	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	15	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	26,9	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	5,2	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	2,2 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 3 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Wood connector screw with fibre cut, A4

Unique identification code of the product-type		
Item no	GTIN	Description
102367	7317761963554	WOOD CONNECTOR SCREW A4 TX20 5,0X40

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Construction screw-W (WAF) with large white-finished head, bright zinc plated

Geometry				
Diameter	Length	Diameter of head	Inner diameter	Thread length
4 mm	30 mm	11 mm	2,5 mm	16 mm

Construction screw-W (WAF) with large white-finished head, bright zinc plated

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	4 mm	
$M_{y,k}$ [Nmm]	3100	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	16,7	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	31,1	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	5,1	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	2,1 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 1 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Construction screw-W (WAF) with large white-finished head, bright zinc plated

Unique identification code of the product-type		
Item no	GTIN	Description
113220	7317761903178	WOOD SCREW CONSTRUCTION-W 4,0x30 EZP + WHITE RAL9010

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DoP-Screw-EN14592 [EN]

Facade screw countersunk head, A4

Geometry				
Diameter	Length	Diameter of head	Inner diameter	Thread length
4,4 mm	45 mm	8 mm	2,55 mm	23 mm
4,4 mm	52 mm	8 mm	2,55 mm	30 mm
4,4 mm	65 mm	8 mm	2,55 mm	35 mm
4,4 mm	72 mm	8 mm	2,55 mm	35 mm

Facade screw countersunk head, A4

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	4,4 mm	
$M_{y,k}$ [Nmm]	3200	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	17,2	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	25,1	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	4,2	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	1,53 ($p = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 3 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

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DoP-Screw-EN14592 [EN]

Facade screw countersunk head, A4

Unique identification code of the product-type		
Item no	GTIN	Description
537545	7317761887027	FACADE SCREW 4,4x45 A4
537345	7317761887003	FACADE SCREW DARK BROWN 4,4X45 A4
537145	7317761886983	FACADE SCREW WHITE 4,4X45 A4
537445	7317761887010	FACADE SCREW BLACK 4,4X45 A4
537245	7317761886990	FACADE SCREW LIGHT GRAY 4,4X45 A4
537252	7317761846994	FACADE SCREW LIGHT GRAY 4,4X52 A4
537152	7317761846963	FACADE SCREW WHITE 4,4X52 A4
537552	7317761870647	FACADE SCREW 4,4x52 A4
537452	7317761847052	FACADE SCREW BLACK 4,4X52 A4
537352	7317761847021	FACADE SCREW DARK BROWN 4,4X52 A4
537365	7317761847038	FACADE SCREW DARK BROWN 4,4X65 A4
537165	7317761846970	FACADE SCREW WHITE 4,4X65 A4
537565	7317761870654	FACADE SCREW 4,4x65 A4
537465	7317761847069	FACADE SCREW BLACK 4,4X65 A4
537265	7317761847007	FACADE SCREW LIGHT GRAY 4,4X65 A4
537572	7317761870661	FACADE SCREW 4,4x72 A4
537472	7317761847076	FACADE SCREW BLACK 4,4X72 A4
537372	7317761847045	FACADE SCREW DARK BROWN 4,4X72 A4
537172	7317761846987	FACADE SCREW WHITE 4,4X72 A4

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DoP-Screw-EN14592 [EN]

Facade screw collated countersunk head, A4

Geometry				
Diameter	Length	Diameter of head	Inner diameter	Thread length
4,4 mm	45 mm	8 mm	2,55 mm	23 mm
4,4 mm	52 mm	8 mm	2,55 mm	30 mm

Facade screw collated countersunk head, A4

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	4,4 mm	
$M_{y,k}$ [Nmm]	3200	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	17,2	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	25,1	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	4,2	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	1,53 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 3 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Facade screw collated countersunk head, A4

Unique identification code of the product-type		
Item no	GTIN	Description
537605	7317761904311	FACADE SCREW WHITE COLLATED 4,4X45 A4 RAL 9010
537601	7317761904397	FACADE SCREW COLLATED 4,4X45 A4
537613	7317761904359	FACADE SCREW BROWN COLLATED 4,4X45 A4 RAL 8014
537617	7317761904373	FACADE SCREW BLACK COLLATED 4,4X45 A4 RAL 8022
537609	7317761904335	FACADE SCREW LIGHT GRAY COLLATED 4,4X45 A4 RAL 7039
537607	7317761904328	FACADE SCREW WHITE COLLATED 4,4X52 A4 RAL 9010
537603	7317761904403	FACADE SCREW COLLATED 4,4X52 A4
537615	7317761904366	FACADE SCREW BROWN COLLATED 4,4X52 A4 RAL 8014
537619	7317761904380	FACADE SCREW BLACK COLLATED 4,4X52 A4 RAL 8022
537611	7317761904342	FACADE SCREW LIGHT GRAY COLLATED 4,4X52 A4 RAL 7039

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DoP-Screw-EN14592 [EN]

Facade screw with cylindrical head, A4

Geometry				
Diameter	Length	Diameter of head	Inner diameter	Thread length
5 mm	45 mm	5 mm	2,7 mm	23 mm
5 mm	52 mm	5 mm	2,7 mm	30 mm
5 mm	65 mm	5 mm	2,7 mm	35 mm
5 mm	72 mm	5 mm	2,7 mm	35 mm

Facade screw with cylindrical head, A4

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	5 mm	
$M_{y,k}$ [Nmm]	2600	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350$ kg/m ³	13,1	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350$ kg/m ³	50,3	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	3,5	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	1,5 ($\rho = 450$ kg/m ³)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 3 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Facade screw with cylindrical head, A4

Unique identification code of the product-type		
Item no	GTIN	Description
537045	7317761886976	FACADE SCREW 5,0X45 A4
537052	7317761846932	FACADE SCREW 5,0X52 A4
537065	7317761846949	FACADE SCREW 5,0X65 A4
537072	7317761846956	FACADE SCREW 5,0X72 A4

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DoP-Screw-EN14592 [EN]

Chipboard screw for wooden joists, bright zinc plated 5 5M

Geometry

Diameter	Length	Diameter of head	Thread length
4,2 mm	30 mm	7,4 mm	17 mm
4,2 mm	42 mm	7,4 mm	26 mm
4,2 mm	55 mm	7,4 mm	32 mm
4,2 mm	75 mm	7,4 mm	50 mm

Chipboard screw for wooden joists, bright zinc plated 5 5M

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Diameter	4,2 mm	
$M_{y,k}$ [Nmm]	2900	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	6,7	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	13,9	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	5,7	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	7,0 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability [i.e. corrosion protection]	Service class 2 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

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DoP-Screw-EN14592 [EN]

Chipboard screw for wooden joists, bright zinc plated 5 5M

Unique identification code of the product-type

Item no	GTIN	Description
542630	7317761107361	CHIPBOARD SCREW 4,2X30 EZP PH2
542130	7317761100805	CHIPBOARD SCREW 4,2X30 EZP PH2
542243	7317761098676	CHIPBOARD SCREW 4,2X42 EZP PH2
542142	7317761100829	CHIPBOARD SCREW 4,2X42 EZP PH2
542042	7317761100812	CHIPBOARD SCREW 4,2X42 EZP PH2
542640	7317761107378	CHIPBOARD SCREW 4,2X42 EZP PH2
542255	7317761102908	CHIPBOARD SCREW 4,2X55 EZP PH2
542155	7317761100843	CHIPBOARD SCREW 4,2X55 EZP PH2
542655	7317761107385	CHIPBOARD SCREW 4,2X55 EZP PH2
542055	7317761100836	CHIPBOARD SCREW 4,2X55 EZP PH2
542075	7317761100850	CHIPBOARD SCREW 4,2X75 EZP PH2
542175	7317761100867	CHIPBOARD SCREW 4,2X75 EZP PH2

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DoP-Screw-EN14592 [EN]

Particleboard screw for wooden studs, bright zinc plated

Geometry

Diameter	Length	Diameter of head	Thread length
4,2 mm	30 mm	7,4 mm	20 mm
4,2 mm	42 mm	7,4 mm	28 mm
4,2 mm	55 mm	7,4 mm	35 mm

Particleboard screw for wooden studs, bright zinc plated

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Diameter	4,2 mm	
$M_{y,k}$ [Nmm]	2900	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	6,7	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	13,9	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	5,7	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	7,0 [$\rho = 450 \text{ kg/m}^3$]	EN 14592:2008+A1:2012
Durability [i.e. corrosion protection]	Service class 2 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Particleboard screw for wooden studs, bright zinc plated

Unique identification code of the product-type

Item no	GTIN	Description
542330	7317761102984	CHIPBOARD SCREW COLLATED 4,2X30 EZP PH2
542345	7317761101895	CHIPBOARD SCREW COLLATED 4,2X42 EZP PH2
542355	7317761101901	CHIPBOARD SCREW COLLATED 4,2X55 EZP PH2

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DoP-Screw-EN14592 [EN]

Chipboard screw for wooden joists, TX drive, bright zinc plated

Geometry			
Diameter	Length	Diameter of head	Thread length
4,2 mm	30 mm	7,4 mm	17 mm
4,2 mm	42 mm	7,4 mm	26 mm
4,2 mm	55 mm	7,4 mm	32 mm
4,2 mm	75 mm	7,4 mm	50 mm

Chipboard screw for wooden joists, TX drive, bright zinc plated

Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Diameter	4,2 mm	
$M_{y,k}$ [Nmm]	2900	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	6,7	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	13,9	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	5,7	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	7,0 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability [i.e. corrosion protection]	Service class 2 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

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DoP-Screw-EN14592 [EN]

Chipboard screw for wooden joists, TX drive, bright zinc plated

Unique identification code of the product-type		
Item no	GTIN	Description
543130	7317761955504	CHIPBOARD SCREW 4,2X30 EZP TX20
543630	7317761955566	CHIPBOARD SCREW 4,2X30 EZP TX20
543243	7317761955542	CHIPBOARD SCREW 4,2X42 EZP TX20
543042	7317761955481	CHIPBOARD SCREW 4,2X42 EZP TX20
543640	7317761955573	CHIPBOARD SCREW 4,2X42 EZP TX20
543142	7317761955511	CHIPBOARD SCREW 4,2X42 EZP TX20
543055	7317761955498	CHIPBOARD SCREW 4,2X55 EZP TX20
543655	7317761955580	CHIPBOARD SCREW 4,2X55 EZP TX20
543155	7317761955528	CHIPBOARD SCREW 4,2X55 EZP TX20
543255	7317761955559	CHIPBOARD SCREW 4,2X55 EZP TX20
543175	7317761955535	CHIPBOARD SCREW 4,2X75 EZP TX20

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DoP-Screw-EN14592 [EN]

Hobau board screw, for wooden joists, yellow chromate

Geometry			
Diameter	Length	Diameter of head	Thread length
4,2 mm	35 mm	7,4 mm	23 mm
4,2 mm	41 mm	7,4 mm	27 mm
4,2 mm	45 mm	7,4 mm	30 mm
4,2 mm	51 mm	7,4 mm	34 mm
4,8 mm	57 mm	7,4 mm	38 mm
4,8 mm	65 mm	7,4 mm	43 mm
4,8 mm	75 mm	7,4 mm	50 mm

Hobau board screw, for wooden joists, yellow chromate

Declared performance			
Essential characteristics	Performance		Harmonised technical specification
Diameter	4,2 mm	4,8 mm	
$M_{y,k}$ [Nmm]	3400	6200	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	9,4	14,9	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	20,9	18	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	5,1	7,4	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	1,8 ($\rho = 450 \text{ kg/m}^3$)	1,6 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability [i.e. corrosion protection]	Service class 2 acc. to EN 1995-1-1	Service class 2 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

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DoP-Screw-EN14592 [EN]

Hobau board screw, for wooden joists, yellow chromate

Unique identification code of the product-type

Item no	GTIN	Description
552435	7317761024699	HOB AU SCREW 4,2X35 TX15 YELLOW ZINC PLATED
552442	7317761295327	HOB AU SCREW 4,2X41 TX15 YELLOW ZINC PLATED
552446	7317761295334	HOB AU SCREW 4,2X45 TX15 YELLOW ZINC PLATED
552452	7317761295341	HOB AU SCREW 4,2X51 TX15 YELLOW ZINC PLATED
552458	7317761295358	HOB AU SCREW 4,8X57 TX20 YELLOW ZINC PLATED
552466	7317761295365	HOB AU SCREW 4,8X65 TX20 YELLOW ZINC PLATED
552476	7317761295372	HOB AU SCREW 4,8X75 TX20 YELLOW ZINC PLATED

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DoP-Screw-EN14592 [EN]

Form screw DPX

Geometry

Diameter	Length	Diameter of head	Thread length
6 mm	75 mm	12 mm	48 mm
6 mm	100 mm	12 mm	60 mm

Form screw DPX

Declared performance

Essential characteristics	Performance	Harmonised technical specification
Diameter	6 mm	
$M_{y,k}$ [Nmm]	9600	EN 14592:2008+A1:2012
$f_{ax,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	10,7	EN 14592:2008+A1:2012
$f_{head,k}$ [N/mm ²] for $\rho_k = 350 \text{ kg/m}^3$	18,3	EN 14592:2008+A1:2012
$f_{tens,k}$ [kN]	21,1	EN 14592:2008+A1:2012
$f_{tor,k}$ [Nm] / $R_{tor,k}$ [Nm] $\geq 1,5$	4,1 ($\rho = 450 \text{ kg/m}^3$)	EN 14592:2008+A1:2012
Durability (i.e. corrosion protection)	Service class 2 acc. to EN 1995-1-1	EN 14592:2008+A1:2012

Form screw DPX

Unique identification code of the product-type

Item no	GTIN	Description
10002796	7317761935834	FORM SCREW DPX EZP 6,0X75
10002797	7317761935841	FORM SCREW DPX EZP 6,0X100

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 identified above.

Signed for and on behalf of the manufacturer by:



Viktor Bukowski, Product Developer/Technical expert – Fasteners

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Kista 2024-12-17