

MBS | MBZ

SELF-TAPPING SCREW FOR MASONRY

TIMBER AND PVC DOORS/WINDOWS

The countersunk head (MBS) allows PVC window frames to be installed without damaging the frame. The cylindrical head (MBZ) is able to penetrate and remain embedded in timber frames.

IFT CERTIFICATION

Strength values in different substrates tested in cooperation with the Institute for Window Technology (IFT) in Rosenheim.

HI-LOW THREADING

The HI-LOW thread allows for safe fastening even near the edges of the support, thanks to the reduced tension induced on the material, ideal for frames.



MBS



MBZ



DIAMETER [mm]

6 **8** 16

LENGTH [mm]

52 **242** 400

SERVICE CLASS

SC1 **SC2**

ATMOSPHERIC CORROSIVITY

C1 **C2**

WOOD CORROSIVITY

T1 **T2**

MATERIAL

Zn
ELECTRO
PLATED

electrogalvanized carbon steel



FIELDS OF USE

Fastening of timber (MBZ) and PVC (MBS) window frames on the following supports:

- solid and perforated brick
- solid and perforated concrete
- light concrete
- autoclaved aerated concrete

CODES AND DIMENSIONS

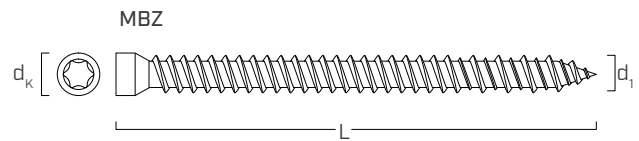
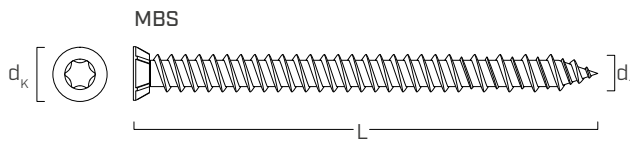
MBS - countersunk screw

d_1 [mm]	CODE	L [mm]	pcs
7,5 TX 30	MBS7552	52	100
	MBS7572	72	100
	MBS7592	92	100
	MBS75112	112	100
	MBS75132	132	100
	MBS75152	152	100
	MBS75182	182	100
	MBS75212	212	100
	MBS75242	242	100

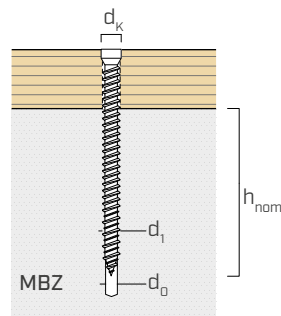
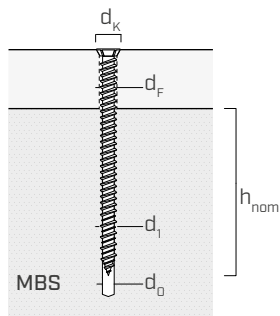
MBZ - cylindrical head

d_1 [mm]	CODE	L [mm]	pcs
7,5 TX 30	MBZ7552	52	100
	MBZ7572	72	100
	MBZ7592	92	100
	MBZ75112	112	100
	MBZ75132	132	100
	MBZ75152	152	100
	MBZ75182	182	100
	MBZ75212	212	100
	MBZ75242	242	100

GEOMETRY AND PARAMETERS OF INSTALLATION



Nominal diameter	d_1	[mm]	MBS 7,5	MBZ 7,5
Head diameter	d_k	[mm]	10,00	8,00
Diameter of pre-drilling hole concrete/brickwork	d_0	[mm]	6,0	6,0
Pre-drilling hole diameter in the timber element	d_v	[mm]	6,2	6,2
Hole diameter in the PVC element	d_F	[mm]	7,5	-



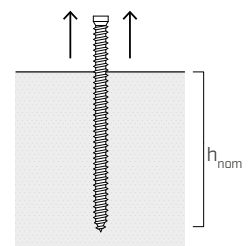
d_1 screw diameter
 d_k head diameter
 d_0 diameter of pre-drilling hole concrete/brickwork
 d_v pre-drilling hole diameter in the timber element
 d_F hole diameter in the PVC element
 h_{nom} nominal anchoring depth

STRUCTURAL VALUES

WITHDRAWAL RESISTANCE

Type of support	$h_{nom,min}$ [mm]	$N_{rec}^{(1)}$ [kN]
Concrete	30	0,89
Solid brick	40	0,65
	80	1,18
Hollow brick	40	0,12
	60	0,24
Light concrete	80	0,17

⁽¹⁾The recommended withdrawal values are obtained considering a safety coefficient of 3.



INSTALLATION

