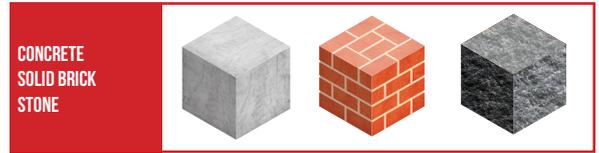


# METALLIC FRAME FIXING

MR



## FEATURES

MR is a steel plug for all types of window frames (wood, metal, PVC)

**materials:**

plug = galvanised steel according to EN10327 DX51D

screw = zinc plated steel according to DIN EN ISO 896-1, zinc coated  $\geq 5\mu\text{m}$  DIN EN ISO 4042 A2K

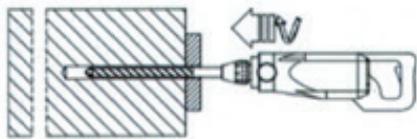
**support materials:**

ETE for cracked concrete grade C20/25 to C50/60 (ETE Option1)  
suitable also for solid masonry and high density natural stone

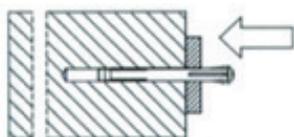
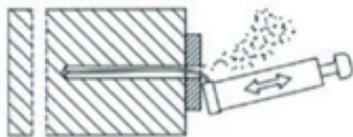
**advantages:**

- heavy loads allowed
- wide range (possible to fix very thick window frames)
- the fixed part is not deformed
- fire resistant 120 minutes

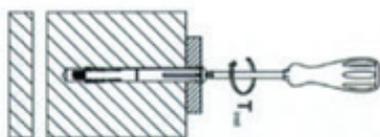
## INSTALLATION



drill a hole, clean

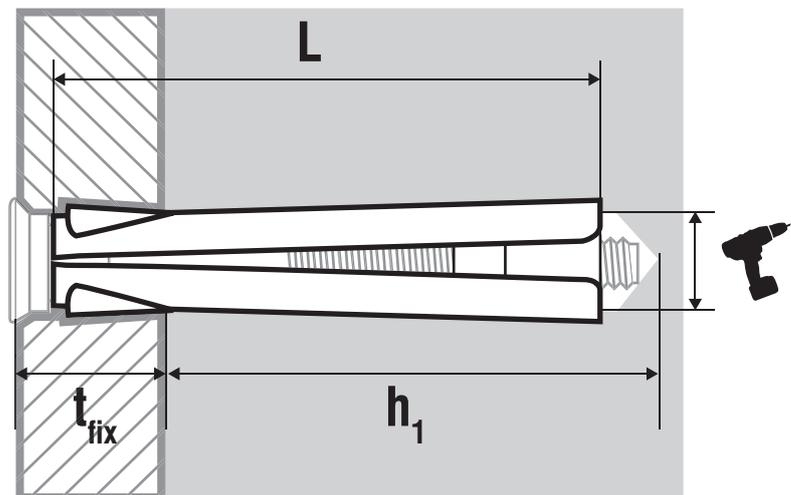


put the MR plug through the part to be fixed and into the hole



expand the plug by setting a screw in with a PH bit (at recommended torque)

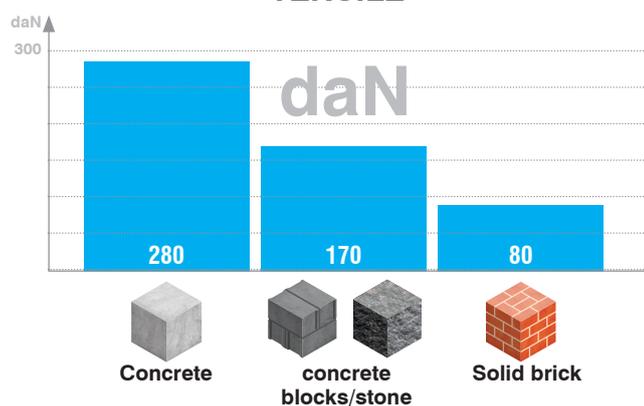
# DIMENSIONS AND INSTALLATION DATAS



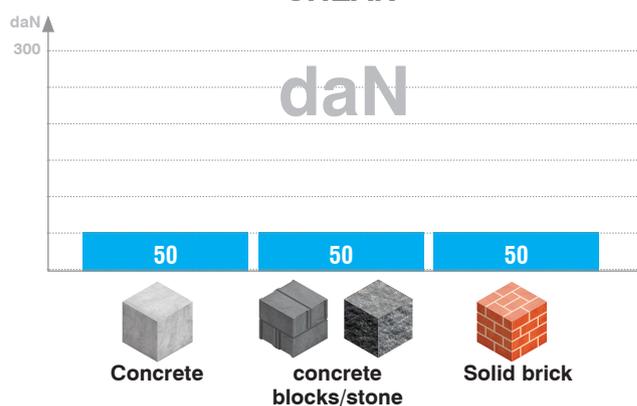
Ø	L	t <sub>fix</sub>		h <sub>1</sub>	T <sub>inst</sub>	h <sub>min</sub>	c <sub>min</sub>	s <sub>min</sub>	Reference
plug diameter mm	length mm	thickness mm	drille Ø mm	drill depth mm	recommended torque Nm	wall mini thickness mm	min. edge distance mm	min. hole distance mm	
<b>10</b>	72	30	10	55	8	100	70	60	<b>MR10072</b>
<b>10</b>	92	50	10	55	8	100	70	60	<b>MR10092</b>
<b>10</b>	112	70	10	55	8	100	70	60	<b>MR10112</b>
<b>10</b>	132	90	10	55	8	100	70	60	<b>MR10132</b>
<b>10</b>	152	110	10	55	8	100	70	60	<b>MR10152</b>
<b>10</b>	182	140	10	55	8	100	70	60	<b>MR10182</b>
<b>10</b>	202	160	10	55	8	100	70	60	<b>MR10202</b>

## RECOMMENDED LOAD

### TENSILE



### SHEAR



## ADDITIONNAL PRODUCT



### White cap

colour  
RAL 9010

Reference  
**MR9010C**