

### PRODUCT INFORMATION



KMW

#### BASE MATERIAL:

- Concrete min C20/25
- Solid brick min 15MPa

#### APPROVALS AND REPORTS:

- AT-15-7637/2008



#### FEATURES:

##### ANCHOR:

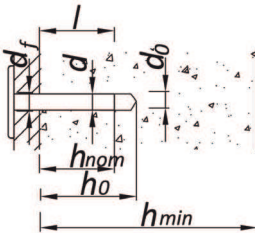
- Zinc electroplated steel class min 3.6
- Zinc coating thickness min 8µm

##### EXPANSION SLEEVE:

- ZnAl Alloy (ZnAl4)

Size	Product code	Anchor		Fixture	
		Diameter	Length	Max thickness	Hole diameter
		d [mm]	l [mm]	t <sub>fix</sub> [mm]	d <sub>r</sub> [mm]
Ø5	KMW-05020	5	20	1	6
Ø6	KMW-06030	6	30	1	7
	KMW-06040		40	10	
	KMW-06050		50	20	
	KMW-06065		65	35	

### INSTALLATION DATA



Size		Ø5	Ø6
Anchor diameter	d [mm]	5	6
Hole diameter in substrate	d <sub>0</sub> [mm]	5	6
Min. hole depth in substrate	h <sub>0</sub> [mm]	25	35
Installation depth	h <sub>nom</sub> [mm]	20	30
Min. substrate thickness	h <sub>min</sub> [mm]	40	50
Min. spacing	s <sub>min</sub> [mm]	20	30
Min. edge distance	c <sub>min</sub> [mm]	20	30

### BASIC PERFORMANCE DATA

Performance data for single fixing without influence of edge distance and spacing.

Substrate	Concrete C20/25	Solid brick 15MPa
<b>MEAN ULTIMATE LOAD F<sub>Ru,m</sub></b>		
Ø5 & Ø6 [kN]	3.85	2.85
<b>CHARACTERISTIC LOAD F<sub>Rk</sub></b>		
Ø5 & Ø6 [kN]	3.55	2.00
<b>DESIGN LOAD F<sub>Rd</sub></b>		
Ø5 & Ø6 [kN]	1.40	0.80
<b>RECOMMENDED LOAD F<sub>rec</sub>*</b>		
Ø5 & Ø6 [kN]	1.00	0.57

\* partial safety factor 1.4

F – Force independent of direction