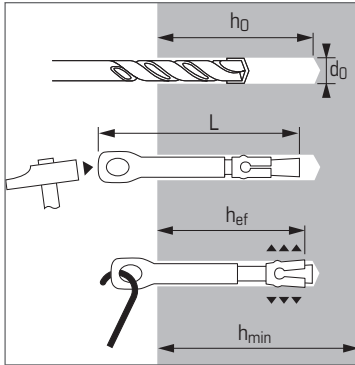




Wirehanger



APPLICATION

- Suspended ceiling
- Light

Fire behaviour

Fire duration	60 min.	120 min.
6X65P	0,085*	0,045*

*Values calculated according to the technical report TR 020 published by EOTA "Evaluation of anchorages in concrete concerning resistance to fire".

Technical data

Anchor size	Anchor depth (mm) hef	Min. base material thickness (mm) hmin	Drilling depth (mm) ho	Drilling diameter (mm) d0	Total anchor length (mm) L	Code
6X65P	25	50	35	6	64	056100

Anchors mechanical properties

Anchor size	6X65P	
f_{uk} (N/mm ²)	Min. tensile strength	450
f_{yk} (N/mm ²)	Yield strength	400

Recommended loads (N_{rec}, V_{rec}) and ultimate loads (N_{Ru,m}, V_{Ru,m}) in kN

TENSILE

Base material	Anchor size <i>hef</i>	6X65P 25
Concrete (C20/25)		
N_{rec}		1,5
N_{Ru,m}		6,0
Concrete (C30/37)		
N_{rec}		1,8
N_{Ru,m}		7,0
Concrete (≥C40/50)		
N_{rec}		2,2
N_{Ru,m}		8,6

Concrete rendered (max 5 mm): recommended load reduced to 50%

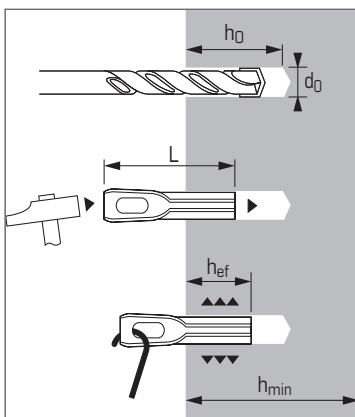
SHEAR

Base material	Anchor size <i>hef</i>	6X65P 25
Concrete (C20/25)		
V_{rec}		1,4
V_{Ru,m}		5,6
Concrete (C30/37)		
V_{rec}		1,7
V_{Ru,m}		6,8
Concrete (≥C40/50)		
V_{rec}		1,7
V_{Ru,m}		6,8

Concrete rendered (max 5 mm): recommended load reduced to 50%



Ceiling anchor



APPLICATION

- Suspended ceiling

INSTALLATION

- Drilling ø 8, depth 25 mm.
- Push the anchor home into the hole and hit with the hammer to obtain the embendement of the anchor only reaching the wide part.

Technical data

Anchor size	Anchor depth (mm) hef	Min. base material thickness (mm) hmin	Drilling depth (mm) ho	Drilling diameter (mm) d0	Total anchor length (mm) L	Code
8X40	21	40	25	8	43	050015

Anchors mechanical properties

Anchor size	8X40	
f_{uk} (N/mm ²)	Min. tensile strength.	450
f_{yk} (N/mm ²)	Yield strength	400

Recommended loads (N_{rec}) and ultimate loads (N_{Ru,m}) in kN

TENSILE

Base material	Anchor size <i>hef</i>	8X40 21
Concrete (C20/25 and C30/37)		
N_{rec}		0,6
N_{Ru,m}		3,2
Concrete (≥C40/50)		
N_{rec}		0,7
N_{Ru,m}		4,0

Concrete rendered (max 5 mm): recommended load reduced to 50%

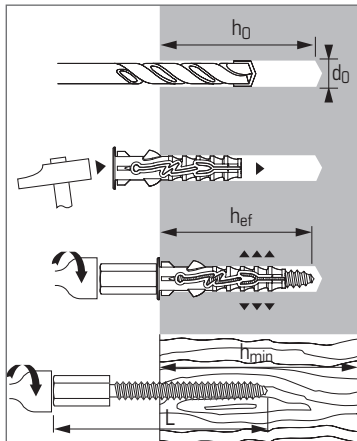
Fire behaviour

Fire duration	60 min.	120 min.
8X40	0,035*	0,017*

*Characteristic resistance (kN). Values calculated according to the technical report TR 020 published by EOTA "Evaluation of anchorages in concrete concerning resistance to fire".



Female anchor with torque controlled expansion



APPLICATION

- Suspended ceiling
- Lights
- Studs

INSTALLATION

- **On concrete and masonry:** drilling $\varnothing 8$, put the NYL anchor in the hole, and install the RM6 anchor with the setting tool,
- **On wood:** screw it directly with the setting tool.

Technical data

Anchor size	Anchor depth (mm) h_{ef}	Min. base material thickness (mm) h_{min}	Drilling depth (mm) h_0	Drilling diameter (mm) d_0	Total anchor length (mm) L	Code
6X70	40	70	45	8	68	050059

Anchors mechanical properties

Anchor size	6X70	
Threaded part		
f_{uk} (N/mm ²)	Min. tensile strength	450
f_{yk} (N/mm ²)	Yield strength	400

Recommended loads (N_{rec}) and ultimate loads ($N_{Ru,m}$) in kN

TENSILE

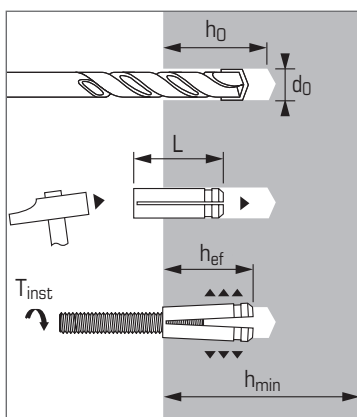
Base material	Anchor size h_{ef}	6X70 40
Concrete (C20/25 et C30/37)		
N_{rec}		0,8
$N_{Ru,m}$		4,0
Clay bricks BP 400		
N_{rec}		0,8
$N_{Ru,m}$		4,0
Hollow clay bricks C 40		
N_{rec}^*		0,35
$N_{Ru,m}^*$		2,0
Wood		
N_{rec}^*		0,5
$N_{Ru,m}^*$		2,0

*Using SPIT NYL 8 for RM6 in concrete and brick. Concrete rendered (max 5 mm): recommended load reduced by 50%

LAITON



Female anchor with torque controlled expansion



APPLICATION

- Suspended system
- Threaded studs

Technical data

Anchor size	Anchor depth (mm) h_{ef}	Min. base material thick. (mm) h_{min}	Drilling depth (mm) h_0	Drilling diameter (mm) d_0	Total anchor length (mm) L	Tighten torque (Nm) T_{inst}	Code
M4X15	15	50	22	5	15	4	052469
M6X20	20	60	30	8	20	9	062450
M8X30	30	70	35	10	30	20	062460

Recommended loads (N_{rec}) in kN

TENSILE

Base material	Anchor size h_{ef}	M4 15	M6 23	M8 28
Concrete (C20/25 to C40/50)				
N_{rec}		0,05	0,40	0,60
Hollow clay bricks BP 400				
N_{rec}		0,04	0,35	0,50

Concrete rendered (max 5 mm): recommended load reduced by 50%