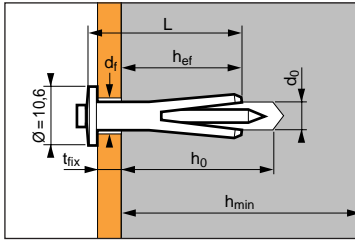


# SPIT ATLAS (HAMMER-IN)



## Hammer-set steel expansion anchor

### Technical data



TYPE	Anchor depth	Max thick of part to be fixed	Ø thread	Threaded length	Min. thick of base material	Ø drill bit	Drilling depth	Min Ø clearance	Total anchor length	CODE
	mm	mm	mm	mm	mm	mm	mm	mm		
ATLAS CL35	30	5	-	-	60	6	35	6,5	36,5	056990
	$h_{ef}$	$t_{fix}$	$d$	$L_2$	$h_{min}$	$d_0$	$h_0$	$d_f$	$L$	

### Anchors mechanical properties

$f_{uk}$ (N/mm <sup>2</sup> ) min. tensile strength of the body	450
$f_{yk}$ (N/mm <sup>2</sup> ) Yield strength of the body	400

### Recommended and ultimate loads

TYPE	$h_{ef}$	Concrete						Clay brick		Solid concrete block	
		C 20/25		C 30/37		C 40/50		BP 400		B 80	
		$N_{rec}$	$N_{u,m}$	$N_{rec}$	$N_{u,m}$	$N_{rec}$	$N_{u,m}$	$N_{rec}^*$	$N_{u,m}^*$	$N_{rec}^*$	$N_{u,m}^*$
ATLAS CL35	30	0,5	2,0	0,75	3,0	1,0	4,0	0,5	2,0	0,5	2,0
		$V_{rec}$	$V_{u,m}$	$V_{rec}$	$V_{u,m}$	$V_{rec}$	$V_{u,m}$	$V_{rec}^*$	$V_{u,m}^*$	$V_{rec}^*$	$V_{u,m}^*$
ATLAS CL35	30	1,0	4,0	1,5	6,0	2,0	8,0	1,0	4,0	1,0	4,0

\* indicative values

For rendered concrete (maximum 5 mm) : Maximum service loads must be reduced by 50%

The above values could be used with ATLAS SDA

### Reduction factor of recommended loads

#### BETWEEN ANCHORS

TYPE	$h_{ef}$	Distance S in mm	
ATLAS CL35	30	$30 \leq S < 100$	$S \geq 100$
$f_s$		0,75	1

#### DISTANCE FROM EDGE

TYPE	$h_{ef}$	Distance $C_1, C_2$ in mm	
ATLAS CL35	30	$30 \leq C_1, C_2 < 50$	$C_1, C_2 \geq 50$
$f_{c1} = f_{c2}$		0,5	1

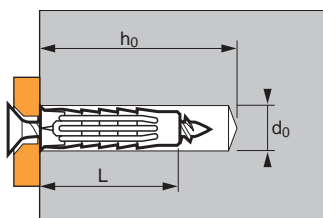
### APPLICATION

- Fixing pipework (Atlas collars)
- Ventilation ducts
- Signs
- Frames
- Suspended ceilings

### MATERIAL

- Body S250 Pb NFA 35561
- Expansion pin XC 42

# SPIT PRO6



### APPLICATION

- Lightweight fixing in all base material,
- Small electrical accessories, small light fittings, fuse boxes, etc...

### MATERIAL

- Polyamid 6
- Suitable -20° + 40°C

### Technical data

TYPE	Ø screw	Ø drill bit $d_0$	Drilling depth $h_0$	Anchor length L	code without screw	code with VBA screw
PRO6 5x25	3 - 4	5	35	25	056542	565346
PRO6 6x30	4 - 5	6	40	30	056543	565347
PRO6 8x40	4,5 - 6	8	50	40	056544	565348
PRO6 10x50	6 - 8	10	65	50	056545	565349

### Recommended load and ultimate loads with wood screw

TENSILE kN



TYPE	Ø woodscrew	Concrete		Hollow concrete block		Clay brick		Hollow clay brick	
		$\geq C 20/25$		B 40		BP 400		Eco 40	
		$N_{rec}^*$	$N_{u,m}^*$	$N_{rec}^*$	$N_{u,m}^*$	$N_{rec}^*$	$N_{u,m}^*$	$N_{rec}^*$	$N_{u,m}^*$
PRO 5	4	0,28	1,4	0,23	1,15	0,2	1,0	0,17	0,85
PRO 6	5	0,45	2,25	0,3	1,5	0,26	1,3	0,19	0,95
PRO 8	6	0,7	3,5	0,43	2,15	0,35	1,75	0,23	1,15
PRO 10	8	1,2	6,0	0,46	2,3	0,6	3,0	0,25	1,25

\* indicative values - the loads must be lower than 50 % in function of the type of screw used