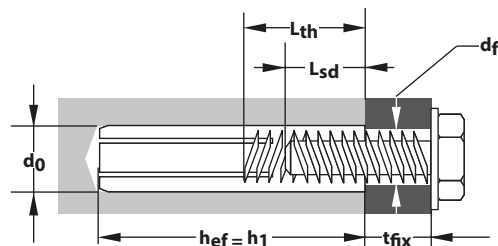


Features

- Attachment part can be loosened and tightened without removing the anchor
- Simple and secure installation with setting tool
- Small drilling diameter and short anchoring depth
- Fire resistance class R120
- Approved by the building authorities
- High holding values



Pack	Item No.	Type	Content Anchor	Content Screw	Anchor	Anchor length	Thread length	Drill \emptyset	Min. Screw-in depth	Drill hole/Anchoring depth	Installation torque	Approval
	Impact		per pack	per pack	metric	mm	Lth mm	d_0 / d_f \emptyset mm	Lsd \geq mm	hef = h1 mm	Tinst Nm	ETA
	029 100 03	M6 x 30	100x	-	M6	30	13	8 / 7	7	30	4	■ (1+2)
	029 100 04	M8 x 30	100x	-	M8	30	13	10 / 9	9	30	8	■ (1+2)
	029 100 05	M10 x 40	50x	-	M10	40	15	12 / 12	11	40	15	■ (1+2)
	029 100 06	M12 x 50	50x	-	M12	50	18	15 / 14	13	50	35	■ (1+2)
029 100 07	M16 x 65	25x	-	M16	65	23	20 / 18	18	65	60	■ (1)	
	Impact Stainless steel A4		per pack	per pack	metric	mm	Lth mm	d_0 / d_f \emptyset mm	Lsd \geq mm	hef = h1 mm	Tinst Nm	ETA
	029 170 03	M6 x 30	100x	-	M6	30	13	8 / 7	7	30	4	■ (1+2)
	029 170 04	M8 x 30	100x	-	M8	30	13	10 / 9	9	30	8	■ (1+2)
	029 170 05	M10 x 40	50x	-	M10	40	15	12 / 12	11	40	15	■ (1+2)
	029 170 06	M12 x 50	50x	-	M12	50	18	15 / 14	13	50	35	■ (1+2)
029 170 07	M16 x 65	25x	-	M16	65	23	20 / 18	18	65	60	■ (1)	

Pack	Item No.	Type	Content Anchor	Suitable for	Anchor	Anchor length	Approval
	Impact Tool		per pack	Impact	metric	mm	ETA
	029 000 93	SW 6	1x	M6	-	-	■
	029 000 94	SW 8	1x	M8	-	-	■
	029 000 95	SW 10	1x	M10	-	-	■
	029 000 96	SW 12	1x	M12	-	-	■
029 000 97	SW 16	1x	M16	-	-	■	

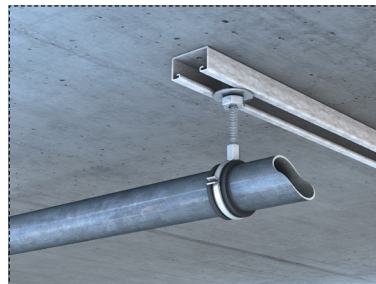


To ETA-05/0139	Galvanised steel					Stainless steel				
Impact	M6 x30	M8 x30	M10 x40	M12 x50	M16 x65	M6 x30	M8 x30	M10 x40	M12 x50	M16 x65
Effective anchoring depth	30 mm	30 mm	40 mm	50 mm	65 mm	30 mm	30 mm	40 mm	50 mm	65 mm
Permissible tensile load N_{rec} (screw 5.6 to 8.8)										
uncracked concrete C20/25	320 kg	320 kg	490 kg	690 kg	1020 kg	390 kg	390 kg	590 kg	850 kg	1230 kg
Permissible shear load V_{rec}										
uncracked concrete C20/25										
Screw 5.6	210 kg	390 kg	410 kg	900 kg	1680 kg					
Screw 5.8	290 kg	390 kg	410 kg	1210 kg	1800 kg					
Screw 8.8	290 kg	390 kg	410 kg	1230 kg	1800 kg					
Screw stainless steel A4						320 kg	460 kg	600 kg	1150 kg	1920 kg
Component dimensions and installation characteristics										
minimum spacing s_{min}	55 mm	60 mm	100 mm	120 mm	150 mm	50 mm	80 mm	100 mm	120 mm	150 mm
minimum edge distance c_{min}	95 mm	95 mm	135 mm	165 mm	200 mm	80 mm	95 mm	135 mm	165 mm	200 mm
minimum member thickness h_{min}	100 mm	100 mm	120 mm	130 mm	160 mm	100 mm	100 mm	130 mm	140 mm	160 mm
Drill hole diameter d_0	8 mm	10 mm	12 mm	15 mm	20 mm	8 mm	10 mm	12 mm	15 mm	20 mm
Drill hole depth $h_1 \geq$	30 mm	30 mm	40 mm	50 mm	65 mm	30 mm	30 mm	40 mm	50 mm	65 mm
Clearance hole diameter $d_f \leq$	7 mm	9 mm	12 mm	14 mm	18 mm	7 mm	9 mm	12 mm	14 mm	18 mm
Installation torque T_{inst}	4 Nm	8 Nm	15 Nm	35 Nm	60 Nm	4 Nm	8 Nm	15 Nm	35 Nm	60 Nm

- When sizing, the entire declarations of performance of the Impact must be observed
- The partial safety factors of the resistances and a partial safety factor of $\gamma_F = 1.4$ have been considered
- Approved plugs must be used for fixings where safety is of importance (see also www.tox.de/safety+loads)

Description & Area of Application

- Impact, galvanised: galvanised, internal thread with built-in expanding segment
- Impact, A4: stainless steel, internal thread with built-in expanding segment
- For surface-flush fixings
- All anchors can also be used with threaded rods
- From size \geq M8 approved for sprinkler systems
- Impact Tool: Setting tool for professional, secure installation



Processing & Installation

- The drill hole depth must be observed
- The screw length must be determined according to the minimum screw-in depth and the attachment thickness t_{fix}
- The Impact is made of galvanised steel and must only be used in dry indoor areas
- The Impact A4 is made of stainless steel and may be used in dry indoor areas, wet areas, outdoor areas, including industrial atmospheres and close to the sea
- For use as multiple fixings of non-load-bearing systems in cracked and uncracked concrete
- For stand-off installations in combination with threaded rods
- Pre-positioned installation
- The Impact Tool setting tool must be used for professional installation

