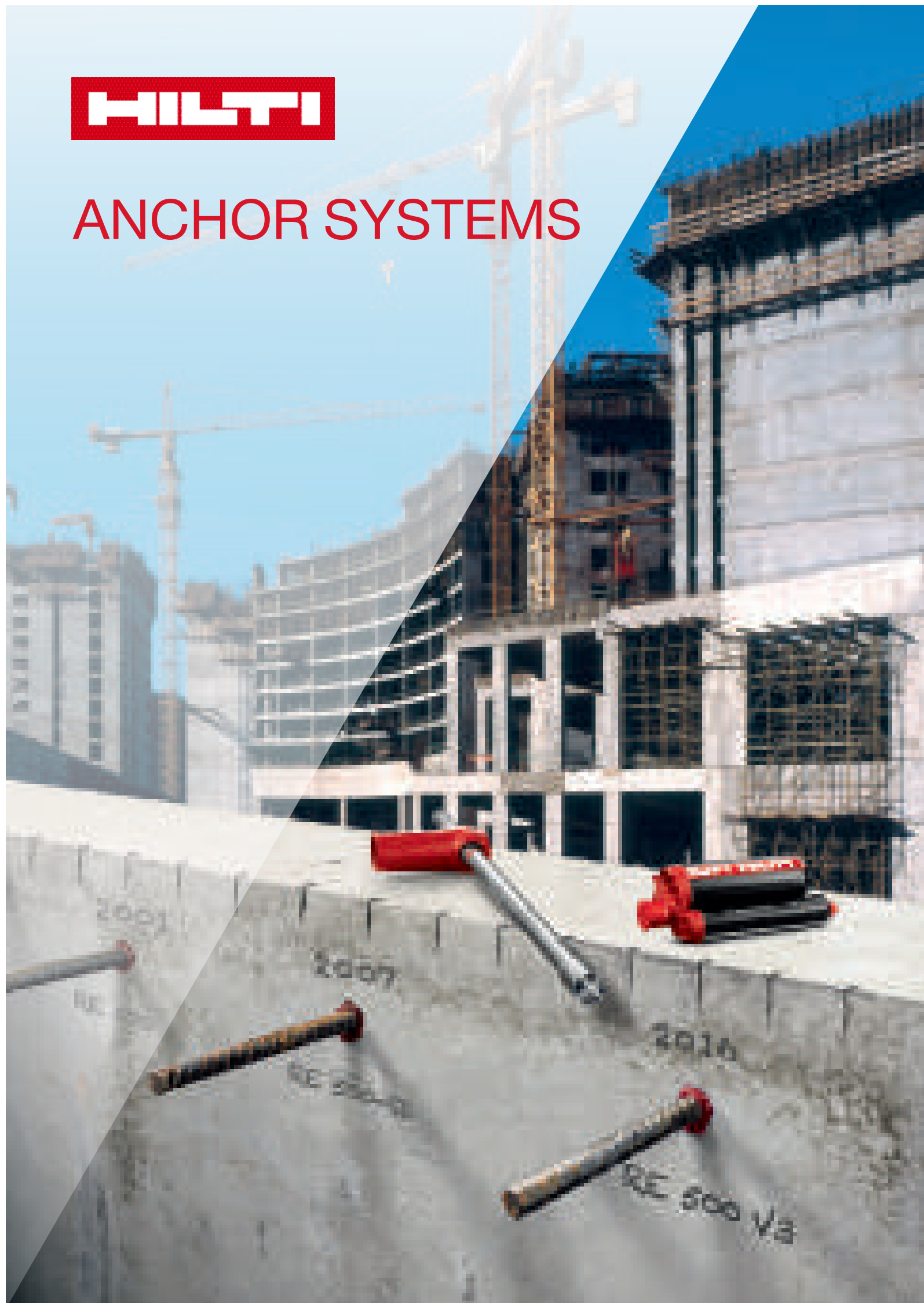




ANCHOR SYSTEMS





Injectable Adhesive Anchors

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Application overview for chemical anchors

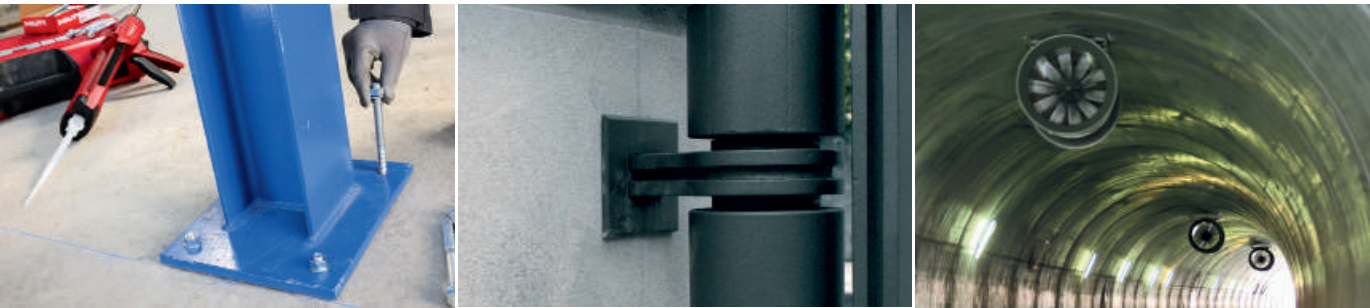
Chemical anchors			
Anchor specification			
	Order description	Highlights	Dimensions
	HIT-RE 500 V3 HAS Rod HAS E Rod HIT V Rod Rebar	Large diameter applications, suitable for dry and water saturated concrete and underwater applications, long working time at elevated temperatures, deep embedment depths and suitable for use in diamond drilled holes	M8-M39 HIT V, HAS D8-D40 Rebar
	HIT-RE 100 HAS Rod HAS E Rod HIT V Rod Rebar	Large diameter applications, suitable for dry and water saturated concrete and underwater applications, long working time at elevated temperatures, deep embedment depths and suitable for use in diamond drilled hole	M8-M32 HIT V, HAS D8-D32 Rebar
	HIT-HY 200 HIT Z Rod HIT V Rod HIS N Sleeve Rebar	No borehole cleaning required (when used with HIT Z), suitable for dry and water saturated concrete, suitable for use in diamond drilled holes, fast cure	M8-M20 HIT Z, HIS N M8-M30 HIT V D8-D32 Rebar
	HIT-HY 170 HIT V Rod HAS Rod HAS E Rod HIT IC Sleeve HIT SC Sleeve	Everyday standard hybrid mortar for anchoring in concrete and masonry	M8-M24 HIT V, HAS, HAS E
	HIT MM Plus HIT V rod	Suitable for a wide range of base materials including concrete, masonry and concrete blocks	M6-M16
	HVU TZ HAS TZ Rod	Very high loading capacity suitable for dry and water saturated concrete	M10-M20
	HVU HAS Rod HAS E Rod	Very high loading capacity, large diameter applications, suitable for dry and water saturated concrete	M8-M39 HAS, HAS E M8-M20 HIS

Base material								Installation method		Special features		Corrosion protection			Approvals					
Uncracked concrete	Cracked concrete	Natural stone	Lightweight concrete	Solid brick	Airbrick	Hollowcore	Plasterboard	Through set installation	Pre-set installation	Small edge distance	Data available in PROFIS Anchor 2	Electroplated	Additional protection against corrosion	Stainless steel	 Fire	 European technical approval	 Shock load	 Dynamic load	 Sprinkler	 CE Marking
																				

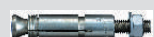
Anchor applications / approvals

Anchors



Application overview for mechanical anchors

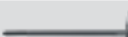
Mechanical anchors			
Anchor specification			
	Order description	Highlights	Dimensions
	HDA	Automatic undercutting with no special tools, setting mark for setting control, completely removable	M10-M20
	HMU	.Undercut alternative to stud anchors for safety-critical applications	M12-M16
	HSL-3	Force controlled expansion, reliable pull down, no rotation in hole when tightening bolt	M8-M24
	HSC	Self cutting undercut, low embedment depth	M6-M12
	HST 3	Safety wedge for follow up expansion	M8-M24
	HSA	different embedment depths, approved for diamond drilled holes 3	M6-M20
	HSV	.High quality stud anchor for non-specified applications	M8-M16
	HUS3	Reusable anchor available with hexagon and countersink heads. Up to 30% .more load in compaction to stud anchors	mm 14-8
	HUS-6	Quick and easy setting, several head types: hex head, hex head with screw, hex head with socket, pan head	mm 6
	HLC	Available in several head types: hex, bolt, torx, countersunk, eyebolt, ceiling hanger	M5-M16
	HKD	Comes with innovative setting solution for time-effective and reliable installation	M6-M20
	HKV	Setting mark for reliable setting	M6-M16
	DBZ	Reliable setting thanks to simple visual check, performs in tensile zone as redundant fastening only e.g. suspended ceilings	mm 6
	HHD-S	Specially designed for drywall	M4-M8
	HA8	Follow up expansion, performs in tensile zone as redundant fastening only e.g. suspended ceilings	mm 8
	HT	Expansion cone can not be lost	mm 8-10

Base material								Installation method		Special features		Corrosion protection			Approvals						
Uncracked concrete	Cracked concrete	Natural stone	Lightweight concrete	Solid brick	Hollow block	Hollowcore	Plasterboard / Drywall	Through set installation	Pre-set installation	Small edge distance	Data available in calculation software (PROFIS Anchor)	Electroplated	Additional protection against corrosion	Stainless steel	 Fire	 European technical approval	 Shock load	 Dynamic load	 Sprinkler	 CE Marking	
																					

Anchor applications / approvals

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Application overview for mechanical anchors

Mechanical anchors			
Anchor specification			
	Order description	Highlights	Dimensions
	HRD	Excellent setting behaviour, versatile with regards base material, finishes and head types; hex, countersunk, pan	8, 10, 14 mm
	HPS	Impact and temperature resistant	4-8 mm
	HSP	Metal, self cutting, quick setting	M6
	HFP	Plastic, self cutting, quick setting	M6
	HLD	Plastic undercut	10 mm
	GD / GRS	Light scaffolding	14 mm
	ST-127	Heavy scaffolding	M16
	IDMR	Fastening of soft and hard insulation material up to 150 mm, fire rated	8 mm
	IZ	Fastening of soft and hard insulation material up to 180 mm	8 mm
	IDP	Fastening of soft and hard insulation material up to 150 mm	8 mm
	HIF	Fastening of soft insulation material up to 240 mm	8 mm



Base material								Installation method		Special features		Corrosion protection			Approvals				
 Un-cracked concrete	 Cracked concrete	 Natural stone	 Lightweight concrete	 Solid brick	 Hollow block	 Hollowcore	 Plasterboard / Drywall	 Through set installation	 Pre-set installation	 Small edge distance	 Data available in calculation software (PROFIS Anchor)	 Electroplated	 Additional protection against corrosion	 Stainless steel					
Anchor applications / approvals																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			



Ultimate-performance Epoxy Mortar HIT-RE 500 V3



Key applications and advantages

- Structural connections with post-installed rebar (e.g. extension/connection to walls, slabs, stairs, columns, foundations, etc.)
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Structural renovation of buildings, bridges and other civil structures, retrofitting and re-strengthening of concrete members possible
- The fastest-curing epoxy mortar on the market
- High performance and technical superiority as per international approvals

Technical data

Base material condition	Dry, Submerged, Water-filled, Wet
Anchoring elements	HIT-V threaded rods
Cleaning procedures	Auto-cleaning with Hilti hollow drill bits, Compressed-air cleaning
Material composition	Epoxy adhesive
Tested/approved for diamond drilling	Yes
Storage and transportation temperature - max.	25 °C



Approvals

	BZS_D_16-601_RE-500_V3_injection_mortar_en
	CSTB_MRF_1526054277/B_HIT-RE 500 V3_injection_mortar_042016_en
	CSTB MRF 1526054277 B fire evaluation
	ETA 16/0142 HIT-RE 500 V3 injection mortar rebar_en
	HIT-RE 500 V3 replacement letter
	MFPA_GS-3.2/15-361-4_HIT-RE 500 V3_injection_mortar_082016_en
	Tech HIT-RE500 V3 with HIT-V 2016
	Tech HIT RE500 V3 with rebar 2016
	Tech HIT-RE500 V3 with rebar as anchor 2016
ETA	ETA 16/0143 HIT-RE 500 V3 injection mortar 11/2016_en
ICC-ES	ICC ESR-3814 for Hilti HIT-RE 500 V3 Epoxy Adhesive and Post-Installed Reinforcing Bar Connections

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Content per can/cartridge	Shelf life from date of manufacture (at 23°C and 50% relative humidity)	Package contents	Sales pack quantity	Item number
HIT-RE 500 V3/500/1	0.5 l	12 months	1x Foil pack, 1x Mixer, 1x Mixer extension	1 pc	2123406

Economic Epoxy mortar HIT-RE 10



Key applications and advantages

- Substitution of misplaced/missing rebar
- The economical injection mortar solution that can replace virtually all grout fastenings
- Connection of secondary post-installed rebar (staircases, upstands)
- Suitable for post-installed rebar and concrete anchoring applications in accordance with Hilti technical data
- Renovation/upgrading of post-installed rebar
- Anchoring non-structural secondary steel elements (e.g. columns, beams)

Technical data

Material composition	Epoxy adhesive
Storage and transportation temperature - max.	25 °C
Storage and transportation temperature - min.	5 °C
In-service temperature-max.	55 °C
In-service temperature-min.	-40 °C
PROFIS software	Yes



Ordering designation	Content per can/cartridge	Shelf life from date of manufacture (at 73°F/23°C and 50% relative humidity)	Anchoring elements	Mixer extension included	Number of mixers included	Sales pack quantity	Item number
HIT-RE 10	0.58 l	12 months	HAS threaded rods, HIS-N internally-threaded inserts, HIT-IC internally-threaded rods, HIT-V threaded rods, Rebar	Yes	1	1 pc	2142305
HIT-RE 10	0.58 l	12 months	HAS threaded rods, HIS-N internally-threaded inserts, HIT-IC internally-threaded rods, HIT-V threaded rods, Rebar	Yes	1	12 pc	2153747

Standard Epoxy Mortar HIT-RE 100



Key applications and advantages

- Rebar doweling / secondary post-installed rebars
- Anchoring secondary steel elements
- Substitution of misplaced / missing rebars
- Good performance in cracked and uncracked concrete
- Works like cast-in with post-installed rebar connections

Technical data	
Material composition	Epoxy adhesive
Storage and transportation temperature - max.	5 °C
Storage and transportation temperature - min.	25 °C
PROFIS software	No
National Sanitation Foundation	Yes
In-service temperature - max.	70 °C



Approvals	
ETA 15-0882 HIT-RE 100 injection mortar 04/2016_en	
ETA 15-0883 HIT-RE 100 injection mortar rebar 04/2016_en	
MFPA_GS-3.2/15-431-4_HIT-RE 100_injection_mortar_042016_en	
Tech HIT-RE100 with HIT-V 2016	
Tech HIT-RE100 with rebar 2016	
Tech HIT-RE100 with rebar as anchor 2016	
ICC-ES	ICC ESR-3829 for Hilti HIT-RE 100 Epoxy Adhesive

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Content per can/cartridge	Shelf life from date of manufacture (at 23°C and 50% relative humidity)	Compatibility sleeves	Mixer extension included	Number of mixers included	Package contents	Sales pack quantity	Item number
HIT-RE 100/500/1	0.5 l	9 months	No	No	1	1x Foil pack, 1x Mixer	1 pc	2123386

Cordless electric dispenser HDE 500-A22



Key applications and advantages

- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebars in concrete and masonry
- No need for an external power source
- Serial fastenings and/or injection in deep drilled holes
- Easy injection even at low temperatures
- Dose adjustment knob for accurate, controlled dispensing

Technical data	
Dispenser, setting tool, accessory, tester type	Dispensers
Battery type	22 V
Dispenser type	Battery
Power source type	22 V battery platform



Anchors

Ordering designation	Weight	Package contents	Sales pack quantity	Item number
HDE 500-A22 box	2.2 kg	1x Dispenser HDE 500-A22 EU assy	1 pc	2005630
HDE 500-A22 CR/CB cas	2.2 kg	1x Dispenser HDE 500-A22 EU assy, 1x Cassette 500ml black, 1x Cassette 500ml red, 1x Case	1 pc	2005637

Ultimate-performance hybrid mortar HIT-HY 200-R



Key applications and advantages

- Anchoring structural steel connections (e.g. steel columns, beams)
- Anchoring safety barriers, balustrades, fire escape staircases
- Seismic strengthening / retrofitting and bracing of reinforced concrete buildings
- No hole cleaning required with the revolutionary new Hilti HIT-Z anchor rod
- Automatic hole cleaning with TE-CD and TE-YD drill bits in combination with Hilti vacuum cleaners

Technical data	
Base material condition	Dry, Wet
Anchoring elements	HAS threaded rods, HIS-N internally-threaded inserts, HIT-V threaded rods, HIT-Z torque-controlled bonded anchors, HZA tension anchor, Rebar
Environmental conditions	Covered by ground soil, Highly corrosive special applications, Indoor, damp conditions, Indoor, dry conditions, Indoor, ventilated facades, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Cleaning procedures	Auto-cleaning with Hilti hollow drill bits, Compressed-air cleaning, Manual cleaning, No cleaning required with Hilti HIT-Z rod
Material composition	Hybrid urethane methacrylate adhesive

Approvals	
ETA	ETA-12/0083 for HIT-HY 200-R injection mortar for rebar (ETAG 001-05, Option -)
ETA, Seismic	ETA 12/0028 for HIT-HY 200-R injection mortar and HIT-Z(-R)(-F) rod for anchoring applications (ETAG 001-05, Option 1)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Content per can/cartridge	Shelf life from date of manufacture (at 23°C and 50% relative humidity)	Compatibility sleeves	Mixer extension included	Number of mixers included	Package contents	Sales pack quantity	Item number
HIT-HY 200-R 330/2/EE	0.33 l	12 months	No	Yes	2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2045036
HIT-HY 200-R 500/2/EE	0.5 l	12 months	No	Yes	2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2045032

Standard hybrid mortar HIT-HY 170



Key applications and advantages

- Connection of secondary post-installed rebars
- Substitution of misplaced / missing rebars
- Fastenings in hollow and solid masonry
- Suitable for use in masonry materials or cracked and uncracked concrete with all anchor rods (ETA report)
- Suitable for use in masonry materials, for post-installed rebars, in cracked and uncracked concrete with anchor rods in accordance with ETA report

Technical data	
Anchoring elements	HIT-V threaded rods
Material composition	Hybrid urethane methacrylate adhesive
Tested/approved for diamond drilling	No
Storage and transportation temperature - max.	25 °C
Storage and transportation temperature - min.	5 °C
Mixer types	HIT-RE-M



Approvals	
	ETA 14/0457 for HIT-HY 170 injection mortar for anchoring applications (ETAG 001-05, Option 1)
	ETA 15/0197 for HIT-HY 170 injection mortar for anchoring in masonry
	ETA-15/0297 HIT-HY 170 injection mortar for rebar

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Content per can/cartridge	Shelf life from date of manufacture (at 23°C and 50% relative humidity)	Package contents	Sales pack quantity	Item number
HIT-HY 170 500/2-EE	0.5 l	12 months	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2132024

Economic hybrid mortar HIT-MM PLUS



Key applications and advantages

- Wide range of fastening applications in the medium load range in hollow block (with plastic sleeves), solid block and uncracked concrete where no approval is required
- Fence and railing posts, gates, window grills, non-structural rebars, wall cabinets, bathroom fittings, air conditioning systems, lights
- Surface treatment
- Easy dispensing thanks to well-proven manual, cordless and pneumatic dispensers
- Unique soft foil pack for less waste

Technical data

Base material condition	Dry, Wet
Anchoring elements	HAS threaded rods, HIS-N internally-threaded inserts, HIT-IC internally-threaded rods, HIT-V threaded rods, Rebar
Type of fastening	Pre-fastening
Cleaning procedures	Manual cleaning
Material composition	Hybrid urethane methacrylate adhesive
Installation direction	All



Ordering designation	Content per can/cartridge	Shelf life from date of manufacture (at 23°C and 50% relative humidity)	Compatibility sleeves	Mixer extension included	Number of mixers included	Package contents	Sales pack quantity	Item number
HIT-MM PLUS 330/1	0.33 l	12 months	HIT-SC or HIT-IC	Yes	1	1x Foil pack, 1x Mixer, 1x Mixer extension	1 pc	2031401
HIT-MM PLUS 500/2	0.5 l	12 months	HIT-SC or HIT-IC	Yes	2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2031400

Ultimate performance hybrid mortar for all masonry materials HIT-HY 270



Key applications and advantages

- Applications in hollow and solid masonry
- Suitable for glass structures
- For heavy bracing on insulated materials in applications such as the installation of sun shades
- Provides strong, reliable and easy-to-install fastenings in a variety of masonry materials
- For use in indoor and outdoor applications in dry or wet drilled holes

Technical data

Base material condition	Dry, Wet
Anchoring elements	HAS threaded rods, HIS-N internally-threaded inserts, HIT-IC internally-threaded rods, HIT-V threaded rods, Other fasteners
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Indoor, ventilated facades, Outdoor
Type of fastening	Pre-fastening
Cleaning procedures	Compressed-air cleaning, Manual cleaning
Material composition	Hybrid urethane methacrylate adhesive



Ordering designation	Content per can/cartridge	Package contents	Sales pack quantity	Item number
HIT-HY 270 330/2	330 ml	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2092828
HIT-HY 270 330/1/P(20)	330 ml	1x Foil pack, 1x Mixer, 1x Mixer extension	20 pc	2092880
HIT-HY 270 500/2	500 ml	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2092829

Roughening tool for diamond-cored holes in concrete TE-YRT

Key applications and advantages

- Roughening diamond-cored holes



Ordering designation	Package contents	Sales pack quantity	Item number
TE-YRT 18/320	1x Roughening tool 18 assy, 1 x Hanger clip TE-Y, 1 x check gauge 18	1 pc	2125965
TE-YRT 20/320	1x Roughening tool 20 assy, 1 x Hanger clip TE-Y, 1 x check gauge 20	1 pc	2125966
TE-YRT 22/400	1x Roughening tool 22 assy, 1 x Hanger clip TE-Y, 1 x check gauge 22	1 pc	2125967
TE-YRT 25/400	1x Roughening tool 25 assy, 1 x Hanger clip TE-Y, 1 x check gauge 25	1 pc	2125968
TE-YRT 28/480	1x Roughening tool 28 assy, 1 x Hanger clip TE-Y, 1 x check gauge 28	1 pc	2125969
TE-YRT 30/540	1x Roughening tool 30 assy, 1 x Hanger clip TE-Y, 1 x check gauge 30	1 pc	2126030
TE-YRT 32/500	1x Roughening tool 32 assy, 1 x Hanger clip TE-Y, 1 x check gauge 32	1 pc	2126031
TE-YRT 35/600	1x Roughening tool 35 assy, 1 x Hanger clip TE-Y, 1 x check gauge 35	1 pc	2126032

Clean-Tec injectable mortar HIT-CT 1



Key applications and advantages

- Rebar applications: structural connections (e.g. walls, slabs, stairs), structural repair, design corrections, bridge extensions, road widening, refurbishment / retrofitting
- Anchoring applications: structural steel (e.g. columns, beams), railings (e.g. balconies, hand rails), facade work / curtain walling, sound and crash barriers
- Meets high health and safety requirements: Non-hazardous and odourless
- Easy waste management: carries no hazard symbols, thus easily disposed of (in cured or uncured state) in standard Green DOT waste containers, avoiding costs for special waste handling on jobsites

Technical data

Base material condition	Dry, Wet
Anchoring elements	HIT-V threaded rods, Rebar
Environmental conditions	Highly corrosive special applications, Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Cleaning procedures	Auto-cleaning with Hilti hollow drill bits, Compressed-air cleaning, Manual cleaning
Material composition	Hybrid urethane methacrylate adhesive



Approvals

ETA	ETA 11/0354 for HIT-CT 1 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 11/0390 for HIT-CT 1 injection mortar for rebar (ETAG 001-05, Option -)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

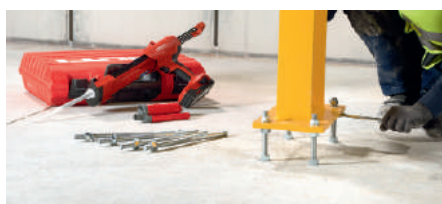


Ordering designation	Content per can/ cartridge	Shelf life from date of manufacture (at 23°C and 50% relative humidity)	Compatibility sleeves	Mixer extension included	Number of mixers included	Package contents	Sales pack quantity	Item number
HIT-CT1 330/2	0.33 l	9 months	No	Yes	2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	435992
HIT-CT1 500/2	0.5 l	9 months	No	Yes	2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	435993

Accessories for Injectable Adhesive Anchors

Ordering designation		HDE 500-A22	HIT-RE 500 V3	HIT-RE 500-SD	Hilti HIT-RE 500	HIT-HY 170	Hilti HIT-RE 100	HIT-HY 200-R	HIT-MM PLUS	HIT-CT 1	HIT-HY 70	Sales pack quantity	Item number
Accessory kit Hit Premium Rebar case				■	■					■		1 pc	2036986
Accessory kit Hit Premium Rebar case				■	■					■		1 pc	2036989
Accessory kit Hit Profi Anchor box				■	■					■		1 pc	2036991
Accessory kit HIT PROFI anchor sys.				■	■					■		1 pc	2036988
Accessory kit Hit Profi Rebar box				■	■					■		1 pc	2036987
Accessory kit Hit Profi Rebar box				■	■					■		1 pc	2036990
Battery charger C 4/36-90 230V box		■										1 pc	2015762
Cartridge holder HIT-CB 500		■		■	■		■			■	■	1 pc	2007057
Cartridge holder HIT-CR 500		■										1 pc	2007059
Mixer HIT-RE-M			■			■	■	■	■			1 pc	337111

Anchor rod (metric) Hilti HIT-Z



Key applications and advantages

- Fastenings in cracked and uncracked concrete made with Hilti HIT HY200
- Fastenings where shallow embedment is required
- Very high loads in cracked concrete
- Very productive solution that saves cleaning time



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Approvals / test reports	ETA
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Tested/approved for diamond drilling	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated

Approvals

ETA, Seismic	ETA 12/0006 for HIT-HY 200-A injection mortar and HIT-Z(-R)(-F) rod for anchoring applications (ETAG 001-05, Option 1)
	ETA 12/0028 for HIT-HY 200-R injection mortar and HIT-Z(-R)(-F) rod for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Base plate clearance hole	Baseplate clearance hole pre-fastening	Base plate clearance hole through-fastening	Required tightening torque	Wrench size	Anchor length	Package contents	Sales pack quantity	Item number
HIT-Z M8x80	M8	9 mm	9 mm	11 mm	10 Nm	13 mm	80 mm	1x Anchor rod HIT-Z M8x80 assy	40 pc	2018364
HIT-Z M8x100	M8	9 mm	9 mm	11 mm	10 Nm	13 mm	100 mm	1x Anchor rod HIT-Z M8x100 assy	40 pc	2018365
HIT-Z M8x120	M8	9 mm	9 mm	11 mm	10 Nm	13 mm	120 mm	1x Anchor rod HIT-Z M8x120 assy	40 pc	2018366
HIT-Z M10x95	M10	12 mm	12 mm	14 mm	25 Nm	17 mm	95 mm	1x Anchor rod HIT-Z M10x95 assy	40 pc	2018367
HIT-Z M10x115	M10	12 mm	12 mm	14 mm	25 Nm	17 mm	115 mm	1x Anchor rod HIT-Z M10x115 assy	40 pc	2018368
HIT-Z M10x135	M10	12 mm	12 mm	14 mm	25 Nm	17 mm	135 mm	1x Anchor rod HIT-Z M10x135 assy	40 pc	2018369
HIT-Z M10x160	M10	12 mm	12 mm	14 mm	25 Nm	17 mm	160 mm	1x Anchor rod HIT-Z M10x160 assy	40 pc	2018410
HIT-Z M12x105	M12	14 mm	14 mm	16 mm	40 Nm	19 mm	105 mm	1x Anchor rod HIT-Z M12x105 assy	20 pc	2018411
HIT-Z M12x140	M12	14 mm	14 mm	16 mm	40 Nm	19 mm	140 mm	1x Anchor rod HIT-Z M12x140 assy	20 pc	2018412
HIT-Z M12x155	M12	14 mm	14 mm	16 mm	40 Nm	19 mm	155 mm	1x Anchor rod HIT-Z M12x155 assy	20 pc	2018413
HIT-Z M12x196	M12	14 mm	14 mm	16 mm	40 Nm	19 mm	196 mm	1x Anchor rod HIT-Z M12x196 assy	20 pc	2018415

Hammer drill bit TE-CD

Key applications and advantages

- Drilling holes for anchoring structural steel connections (e.g. steel columns, beams)
- Drilling holes for structural connections with post-installed rebars
- Drilling holes for anchoring secondary steel structures (e.g. staircases, steel ledgers)
- Drilling and hole cleaning in one step
- Optimum hole cleaning for consistent anchor setting



Ordering designation	Diameter	Length	Working length	Sales pack quantity	Item number
TE-CDA				1 pc	2023719
TE-CD 12/33	12 mm	330 mm	200 mm	1 pc	2018940
TE-CD 14/37	14 mm	370 mm	240 mm	1 pc	2018942
TE-CD 16/37	16 mm	370 mm	240 mm	1 pc	2018945
TE-CD 18/37	18 mm	370 mm	240 mm	1 pc	2018946

Hammer drill bit TE-YD

Key applications and advantages

- Drilling holes for anchoring structural steel connections (e.g. steel columns, beams)
- Drilling holes for structural connections with post-installed rebars
- Drilling holes for anchoring secondary steel structures (e.g. staircases, steel ledgers)
- Drilling and hole cleaning in one step
- Optimum hole cleaning for consistent anchor setting



Ordering designation	Diameter	Length	Working length	Sales pack quantity	Item number
TE-YDA				1 pc	2024360
TE-YD 16/59	16 mm	590 mm	400 mm	1 pc	2018956
TE-YD 18/59	18 mm	590 mm	400 mm	1 pc	2018957
TE-YD 20/59	20 mm	590 mm	400 mm	1 pc	2018959
TE-YD 22/59	22 mm	590 mm	400 mm	1 pc	2018960
TE-YD 25/59	25 mm	590 mm	400 mm	1 pc	2018962
TE-YD 28/59	28 mm	590 mm	400 mm	1 pc	2018964
TE-YD 32/59	32 mm	590 mm	400 mm	1 pc	2018966

Anchor rod (stainless metric) Hilti HIT-Z-R



Key applications and advantages

- Fastenings in cracked and uncracked concrete made with Hilti HIT HY200
- For applications where shallow embedment is needed
- Very high loads in cracked concrete
- Very productive solution that saves cleaning time



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Covered by ground soil, Outdoor, Underwater, fresh water
Type of fastening	Pre-fastening, Through-fastening
Approvals / test reports	ETA
Material composition	Steel, A4 (SS316)
Installation direction	All
Tested/approved for diamond drilling	Yes
PROFIS software	Yes
Material, corrosion	Steel, stainless

Ordering designation	Anchor size	Baseplate clearance hole pre-fastening	Base plate clearance hole through-fastening	Required tightening torque	Wrench size	Anchor length	Useable thread length	Package contents	Sales pack quantity	Item number
HIT-Z-R M8x80	M8	9 mm	11 mm	10 Nm	13 mm	80 mm	8 mm	1x Anchor rod HIT-Z-R M8x80 assy	40 pc	2018422
HIT-Z-R M8x100	M8	9 mm	11 mm	10 Nm	13 mm	100 mm	28 mm	1x Anchor rod HIT-Z-R M8x100 assy	40 pc	2018423
HIT-Z-R M8x120	M8	9 mm	11 mm	10 Nm	13 mm	120 mm	48 mm	1x Anchor rod HIT-Z-R M8x120 assy	40 pc	2018424
HIT-Z-R M10x95	M10	12 mm	14 mm	25 Nm	17 mm	95 mm	22 mm	1x Anchor rod HIT-Z-R M10x95 assy	40 pc	2018425
HIT-Z-R M10x115	M10	12 mm	14 mm	25 Nm	17 mm	115 mm	42 mm	1x Anchor rod HIT-Z-R M10x115 assy	40 pc	2018426
HIT-Z-R M10x135	M10	12 mm	14 mm	25 Nm	17 mm	135 mm	62 mm	1x Anchor rod HIT-Z-R M10x135 assy	40 pc	2018427
HIT-Z-R M10x160	M10	12 mm	14 mm	25 Nm	17 mm	160 mm	87 mm	1x Anchor rod HIT-Z-R M10x160 assy	40 pc	2018428
HIT-Z-R M12x105	M12	14 mm	16 mm	40 Nm	19 mm	105 mm	29 mm	1x Anchor rod HIT-Z-R M12x105 assy	20 pc	2018429
HIT-Z-R M12x140	M12	14 mm	16 mm	40 Nm	19 mm	140 mm	64 mm	1x Anchor rod HIT-Z-R M12x140 assy	20 pc	2018430
HIT-Z-R M12x155	M12	14 mm	16 mm	40 Nm	19 mm	155 mm	79 mm	1x Anchor rod HIT-Z-R M12x155 assy	20 pc	2018431
HIT-Z-R M12x196	M12	14 mm	16 mm	40 Nm	19 mm	196 mm	120 mm	1x Anchor rod HIT-Z-R M12x196 assy	20 pc	2018433
HIT-Z-R M16x155	M16	18 mm	20 mm	80 Nm	24 mm	155 mm	38 mm	1x Anchor rod HIT-Z-R M16x155 assy	12 pc	2018434
HIT-Z-R M16x175	M16	18 mm	20 mm	80 Nm	24 mm	175 mm	58 mm	1x Anchor rod HIT-Z-R M16x175 assy	12 pc	2018435
HIT-Z-R M16x205	M16	18 mm	20 mm	80 Nm	24 mm	205 mm	88 mm	1x Anchor rod HIT-Z-R M16x205 assy	12 pc	2018436
HIT-Z-R M16x240	M16	18 mm	20 mm	80 Nm	24 mm	240 mm	123 mm	1x Anchor rod HIT-Z-R M16x240 assy	12 pc	2018437
HIT-Z-R M20x215	M20	22 mm	24 mm	150 Nm	30 mm	215 mm	91 mm	1x Anchor rod HIT-Z-R M20x215 assy	6 pc	2018438
HIT-Z-R M20x250	M20	22 mm	24 mm	150 Nm	30 mm	250 mm	126 mm	1x Anchor rod HIT-Z-R M20x250 assy	6 pc	2018439

Ordering designation	Anchor size	Base plate clearance hole	Baseplate clearance hole pre-fastening	Base plate clearance hole through-fastening	Required tightening torque	Wrench size	Anchor length	Package contents	Sales pack quantity	Item number
HIT-Z M16x155	M16	18 mm	18 mm	20 mm	80 Nm	24 mm	155 mm	1x Anchor rod HIT-Z M16x155 assy	12 pc	2018416
HIT-Z M16x175	M16	18 mm	18 mm	20 mm	80 Nm	24 mm	175 mm	1x Anchor rod HIT-Z M16x175 assy	12 pc	2018417
HIT-Z M16x205	M16	18 mm	18 mm	20 mm	80 Nm	24 mm	205 mm	1x Anchor rod HIT-Z M16x205 assy	12 pc	2018418
HIT-Z M16x240	M16	18 mm	18 mm	20 mm	80 Nm	24 mm	240 mm	1x Anchor rod HIT-Z M16x240 assy	12 pc	2018419
HIT-Z M20x215	M20	22 mm	22 mm	24 mm	150 Nm	30 mm	215 mm	1x Anchor rod HIT-Z M20x215 assy	6 pc	2018420
HIT-Z M20x250	M20	22 mm	22 mm	24 mm	150 Nm	30 mm	250 mm	1x Anchor rod HIT-Z M20x250 assy	6 pc	2018421

Ultimate-performance anchor rod for use with capsules in cracked concrete (CS) HAS-TZ



Key applications and advantages

- Suitable for fastenings in cracked concrete in combination with Hilti HVU-TZ capsules
- HVZ combines highest performance in chemical anchors with an unparalleled level of safety
- Minimal sensitivity to cracked concrete (tension zone)



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
Tested/approved for diamond drilling	No
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
In-service temperature - min.	-40 °C



Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HAS-TZ M10X75/30	M10	12 mm	40 Nm	17 mm	139 mm	90 mm	30 mm	1x Anchor rod HAS-TZ M10x75/30	10 pc	308383
HAS-TZ M10X75/50	M10	12 mm	40 Nm	17 mm	159 mm	90 mm	50 mm	1x Anchor rod HAS-TZ M10x75/50	10 pc	308384
HAS-TZ M10X75/15	M10	12 mm	40 Nm	17 mm	124 mm	90 mm	15 mm	1x Anchor rod HAS-TZ M10x75/15	10 pc	310018
HAS-TZ M12X95/25	M12	14 mm	50 Nm	19 mm	158 mm	110 mm	25 mm	1x Anchor rod HAS-TZ M12x95/25	10 pc	308385
HAS-TZ M12X95/50	M12	14 mm	50 Nm	19 mm	183 mm	110 mm	50 mm	1x Anchor rod HAS-TZ M12x95/50	10 pc	308386
HAS-TZ M12X95/100	M12	14 mm	50 Nm	19 mm	233 mm	110 mm	100 mm	1x Anchor rod HAS-TZ M12x95/100	10 pc	308387
HAS-TZ M16X105/30	M16	18 mm	90 Nm	24 mm	181 mm	125 mm	30 mm	1x Anchor rod HAS-TZ M16x105/30	5 pc	308388
HAS-TZ M16X105/60	M16	18 mm	90 Nm	24 mm	211 mm	125 mm	60 mm	1x Anchor rod HAS-TZ M16x105/60	5 pc	308389
HAS-TZ M16X105/100	M16	18 mm	90 Nm	24 mm	251 mm	125 mm	100 mm	1x Anchor rod HAS-TZ M16x105/100	5 pc	308390
HAS-TZ M16X125/30	M16	18 mm	90 Nm	24 mm	201 mm	145 mm	30 mm	1x Anchor rod HAS-TZ M16x125/30	5 pc	332519
HAS-TZ M16X125/60	M16	18 mm	90 Nm	24 mm	231 mm	145 mm	60 mm	1x Anchor rod HAS-TZ M16x125/60	5 pc	332520
HAS-TZ M20X170/40	M20	22 mm	150 Nm	30 mm	269 mm	195 mm	40 mm	1x Anchor rod HAS-TZ M20x170/40 assy	4 pc	335943

Ultimate-performance anchor rod for use with capsules in cracked concrete (A4 SS) HAS-RTZ



Key applications and advantages

- Suitable for fastenings in cracked concrete in combination with Hilti HVU-TZ capsules
- HVZ combines highest chemical anchor performance with an unparalleled level of safety
- Minimal sensitivity to cracked concrete (tension zone)



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Covered by ground soil, Outdoor, Underwater, fresh water
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
Tested/approved for diamond drilling	No
PROFIS software	Yes
Material, corrosion	Steel, stainless
In-service temperature - min.	-40 °C

Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HAS-RTZ M10X75/30	M10	12 mm	50 Nm	17 mm	139 mm	90 mm	30 mm	1x Anchor rod HAS-RTZ M10x75/30	10 pc	308391
HAS-RTZ M10X75/15	M10	12 mm	50 Nm	17 mm	124 mm	90 mm	15 mm	1x Anchor rod HAS-RTZ M10x75/15	10 pc	310019
HAS-RTZ M12X95/25	M12	14 mm	70 Nm	19 mm	158 mm	110 mm	25 mm	1x Anchor rod HAS-RTZ M12x95/25	10 pc	308393
HAS-RTZ M12X95/50	M12	14 mm	70 Nm	19 mm	183 mm	110 mm	50 mm	1x Anchor rod HAS-RTZ M12x95/50	10 pc	308394
HAS-RTZ M16X105/30	M16	18 mm	100 Nm	24 mm	181 mm	125 mm	30 mm	1x Anchor rod HAS-RTZ M16x105/30	5 pc	308396
HAS-RTZ M16X105/60	M16	18 mm	100 Nm	24 mm	211 mm	125 mm	60 mm	1x Anchor rod HAS-RTZ M16x105/60	5 pc	308397
HAS-RTZ M16X105/100	M16	18 mm	100 Nm	24 mm	251 mm	125 mm	100 mm	1x Anchor rod HAS-RTZ M16x105/100	5 pc	308398
HAS-RTZ M16X125/30	M16	18 mm	100 Nm	24 mm	201 mm	145 mm	30 mm	1x Anchor rod HAS-RTZ M16x125/30	5 pc	332522
HAS-RTZ M16X125/60	M16	18 mm	100 Nm	24 mm	231 mm	145 mm	60 mm	1x Anchor rod HAS-RTZ M16x125/60	5 pc	332523
HAS-RTZ M16X125/100	M16	18 mm	100 Nm	24 mm	271 mm	145 mm	100 mm	1x Anchor rod HAS-RTZ M16x125/100	5 pc	332524
HAS-RTZ M20X170/40	M20	22 mm	150 Nm	30 mm	269 mm	195 mm	40 mm	1x Anchor rod HAS-RTZ M20x170/40	4 pc	335944

Standard anchor rod for use with capsules (5.8 CS) HAS-E



Key applications and advantages

- Features a chisel tip to cut and mix the Hilti HVU capsule, embedment marking for easy setting and a conical head (M10-M24 only)
- Large range of anchor rods (M8-M39)



Technical data	
Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, 5.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
In-service temperature - min.	-40 °C



Approvals

ETA	ETA 04/0027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 05/0255 for HVU adhesive capsules (ETAG 001-05, Option 7)
	ETA 08/0352 for HIT-HY 150 MAX injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 09/0265 for HIT-HY 70 injection mortar for anchoring applications in concrete (ETAG 001-05, Option 7)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Base plate clearance hole	Wrench/nut size	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HAS-E-5.8 M8x80/54	M8	10 mm	13 mm	13 mm	150 mm	80 mm	54 mm	1x Anchor rod HAS-E M8x80/54 assy	10 pc	333099
HAS-E-5.8 M8x80/14	M8	10 mm	13 mm	13 mm	110 mm	80 mm	14 mm	1x Anchor rod HAS-E M8x80/14 assy	20 pc	332219
HAS-E-5.8 M10x90/61	M10	12 mm		17 mm	170 mm	90 mm	61 mm	1x Anchor rod HAS-E M10x90/61 assy	10 pc	333100
HAS-E-5.8 M10x90/81	M10	12 mm		17 mm	190 mm	90 mm	81 mm	1x Anchor rod HAS-E M10x90/81 assy	10 pc	333101
HAS-E-5.8 M10x90/21	M10	12 mm		17 mm	130 mm	90 mm	21 mm	1x Anchor rod HAS-E M10x90/21 assy	20 pc	332220
HAS-E-5.8 M12x110/88	M12	14 mm		19 mm	220 mm	110 mm	88 mm	1x Anchor rod HAS-E M12x110/ 88 assy	10 pc	333102
HAS-E-5.8 M12x110/128	M12	14 mm		19 mm	260 mm	110 mm	128 mm	1x Anchor rod HAS-E M12x110/128 assy	10 pc	333103
HAS-E-5.8 M12x110/168	M12	14 mm		19 mm	300 mm	110 mm	168 mm	1x Anchor rod HAS-E M12x110/168 assy	10 pc	333104
HAS-E-5.8 M12x110/28	M12	14 mm		19 mm	160 mm	110 mm	28 mm	1x Anchor rod HAS-E M12x110/ 28 assy	20 pc	332221
HAS-E-5.8 M16x125/20	M16	18 mm		24 mm	164 mm	125 mm	20 mm	1x Anchor rod HAS-E M16x125/ 20 assy	10 pc	333105
HAS-E-5.8 M16x125/108	M16	18 mm		24 mm	260 mm	125 mm	108 mm	1x Anchor rod HAS-E M16x125/108 assy	10 pc	333106
HAS-E-5.8 M16x125/148	M16	18 mm		24 mm	300 mm	125 mm	148 mm	1x Anchor rod HAS-E M16x125/148 assy	10 pc	333107
HAS-E-5.8 M16x125/198	M16	18 mm		24 mm	350 mm	125 mm	198 mm	1x Anchor rod HAS-E M16x125/198 assy	10 pc	333108
HAS-E-5.8 M16x125/348	M16	18 mm		24 mm	500 mm	125 mm	348 mm	1x Anchor rod HAS-E M16x125/348 assy	10 pc	333109
HAS-E-5.8 M16x125/38	M16	18 mm		24 mm	190 mm	125 mm	38 mm	1x Anchor rod HAS-E M16x125/ 38 assy	20 pc	332222
HAS-E-5.8 M20x170/48	M20	22 mm		30 mm	240 mm	170 mm	48 mm	1x Anchor rod HAS-E M20x170/ 48 assy	10 pc	332223
HAS-E-5.8 M20x170/68	M20	22 mm		30 mm	260 mm	170 mm	68 mm	1x Anchor rod HAS-E M20x170/ 68 assy	10 pc	333110
HAS-E-5.8 M20x170/108	M20	22 mm		30 mm	300 mm	170 mm	108 mm	1x Anchor rod HAS-E M20x170/108 assy	10 pc	333111
HAS-E-5.8 M20x170/158	M20	22 mm		30 mm	350 mm	170 mm	158 mm	1x Anchor rod HAS-E M20x170/158 assy	10 pc	333112
HAS-E-5.8 M20x170/208	M20	22 mm		30 mm	400 mm	170 mm	208 mm	1x Anchor rod HAS-E M20x170/208 assy	10 pc	333113
HAS-E-5.8 M24x210/124	M24	26 mm		36 mm	335 mm	210 mm	124 mm	1x Anchor rod HAS-E 5.8 M24x210/L assy	5 pc	77210
HAS-E-5.8 M24x210/164	M24	26 mm		36 mm	400 mm	210 mm	164 mm	1x Anchor rod HAS-E 5.8 M24x210/L assy	10 pc	27893
HAS-E-5.8 M24x210/54	M24	26 mm		36 mm	290 mm	210 mm	54 mm	1x Anchor rod HAS-E M24 assy	10 pc	332224

Anchor rod HAS-E-F (5.8)



Key applications and advantages

- Incorporates a chisel-shaped end to cut and mix the Hilti HVU capsule, embedment marking for easy setting, and a conical head
- Large family of anchor rods (M8-M39)



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions, Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, 5.8 grade, hot-dip galvanized (min. 43 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanized
In-service temperature - min.	-40 °C

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HAS-E-F-5.8 M8x80/14	M8	9 mm	13 mm	110 mm	80 mm	14 mm	80 mm	1x Anchor rod HAS-E-F M8x80/14 assy	20 pc	333143
HAS-E-F-5.8 M10x90/21	M10	12 mm	17 mm	130 mm	90 mm	21 mm	90 mm	1x Anchor rod HAS-E-F M10x90/21 assy	20 pc	333145
HAS-E-F-5.8 M10x90/61	M10	12 mm	17 mm	170 mm	90 mm	61 mm	90 mm	1x Anchor rod HAS-E-F M10x90/61 assy	10 pc	333146
HAS-E-F-5.8 M12x110/28	M12	14 mm	19 mm	160 mm	110 mm	28 mm	110 mm	1x Anchor rod HAS-E-F M12x110/28 assy	20 pc	333148
HAS-E-F-5.8 M12x110/88	M12	14 mm	19 mm	220 mm	110 mm	88 mm	110 mm	1x Anchor rod HAS-E-F M12x110/88 assy	10 pc	333149
HAS-E-F-5.8 M12x110/168	M12	14 mm	19 mm	300 mm	110 mm	168 mm	110 mm	1x Anchor rod HAS-E-F M12x110/168 assy	10 pc	333151
HAS-E-F-5.8 M16x125/20	M16	18 mm	24 mm	172 mm	125 mm	20 mm	125 mm	1x Anchor rod HAS-E-F M16x125/20 assy	10 pc	333152
HAS-E-F-5.8 M16x125/38	M16	18 mm	24 mm	190 mm	125 mm	38 mm	125 mm	1x Anchor rod HAS-E-F M16x125/38 assy	20 pc	333153
HAS-E-F-5.8 M16x125/108	M16	18 mm	24 mm	260 mm	125 mm	108 mm	125 mm	1x Anchor rod HAS-E-F M16x125/108 assy	10 pc	333154
HAS-E-F-5.8 M16x125/148	M16	18 mm	24 mm	300 mm	125 mm	148 mm	125 mm	1x Anchor rod HAS-E-F M16x125/148 assy	10 pc	333155
HAS-E-F-5.8 M16x125/198	M16	18 mm	24 mm	350 mm	125 mm	198 mm	125 mm	1x Anchor rod HAS-E-F M16x125/198 assy	10 pc	333156
HAS-E-F-5.8 M16x125/348	M16	18 mm	24 mm	500 mm	125 mm	348 mm	125 mm	1x Anchor rod HAS-E-F M16x125/348 assy	10 pc	333157
HAS-E-F-5.8 M20x170/48	M20	22 mm	30 mm	240 mm	170 mm	48 mm	170 mm	1x Anchor rod HAS-E-F M20x170/48 assy	10 pc	333158
HAS-E-F-5.8 M20x170/68	M20	22 mm	30 mm	260 mm	170 mm	68 mm	170 mm	1x Anchor rod HAS-E-F M20x170/68 assy	10 pc	333159
HAS-E-F-5.8 M20x170/108	M20	22 mm	30 mm	300 mm	170 mm	108 mm	170 mm	1x Anchor rod HAS-E-F M20x170/108 assy	10 pc	333160
HAS-E-F-5.8 M20x170/158	M20	22 mm	30 mm	350 mm	170 mm	158 mm	170 mm	1x Anchor rod HAS-E-F M20x170/158 assy	10 pc	333161
HAS-E-F-5.8 M20x170/208	M20	22 mm	30 mm	400 mm	170 mm	208 mm	170 mm	1x Anchor rod HAS-E-F M20x170/208 assy	10 pc	333162
HAS-E-F-5.8 M24x210/54	M24	26 mm	36 mm	290 mm	210 mm	54 mm	210 mm	1x Anchor rod HAS-E-F M24 assy	10 pc	333163

Hot-dip galvanized anchor rod HAS-E-F 8.8



Key applications and advantages

- Incorporates a chisel-shaped end to cut and mix the Hilti HVU capsule, embedment marking for easy setting, and a conical head
- Large family of anchor rods (M8-M39)

Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions, Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, hot-dip galvanized (min. 43 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanised
In-service temperature - min.	-40 °C



Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HAS-E-F-8.8 M27x240/60	M27	30 mm	41 mm	340 mm	240 mm	60 mm	240 mm	1x Anchor rod HAS-FE M27x240/ 60	4 pc	333164
HAS-E-F-8.8 M30x270/70	M30	33 mm	46 mm	380 mm	270 mm	70 mm	270 mm	1x Anchor rod HAS-FE M30x270/ 70	4 pc	333165
HAS-E-F-8.8 M36x330/90	M36	39 mm	55 mm	460 mm	330 mm	90 mm	330 mm	1x Anchor rod HAS-FE M36x330/ 90	2 pc	333167
HAS-E-F-8.8 M39x360/100	M39	42 mm	60 mm	510 mm	360 mm	100 mm	360 mm	1x Anchor rod HAS-FE M39x360/100	2 pc	333168

Anchor rod HAS-E-R



Key applications and advantages

- Incorporates a chisel-shaped end to cut and mix the Hilti HVU capsule, embedment marking for easy setting, and a conical head (M8-M24 only)
- Large family of anchor rods (M8-M39)

Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Covered by ground soil, Outdoor, Underwater, fresh water
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, stainless
In-service temperature - min.	-40 °C



Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HAS-E-R M8x80/14	M8	9 mm	13 mm	110 mm	80 mm	14 mm	80 mm	1x Anchor rod HAS-E-R M8x80/ 14	20 pc	333119
HAS-E-R M8x80/114	M8	9 mm	13 mm	210 mm	80 mm	114 mm	80 mm	1x Anchor rod HAS-E-R M8x80/114	10 pc	333121
HAS-E-R M10x90/21	M10	12 mm	17 mm	130 mm	90 mm	21 mm	90 mm	1x Anchor rod HAS-E-R M10x90/21	20 pc	333122
HAS-E-R M10x90/61	M10	12 mm	17 mm	170 mm	90 mm	61 mm	90 mm	1x Anchor rod HAS-E-R M10x90/61	10 pc	333123
HAS-E-R M10x90/81	M10	12 mm	17 mm	190 mm	90 mm	81 mm	90 mm	1x Anchor rod HAS-E-R M10x90/81	10 pc	333124
HAS-E-R M10x90/111	M10	12 mm	17 mm	220 mm	90 mm	111 mm	90 mm	1x Anchor rod HAS-E-R M10x90/111	10 pc	333125
HAS-E-R M12x110/28	M12	14 mm	19 mm	160 mm	110 mm	28 mm	110 mm	1x Anchor rod HAS-E-R M12x110/ 28	20 pc	333126
HAS-E-R M12x110/88	M12	14 mm	19 mm	220 mm	110 mm	88 mm	110 mm	1x Anchor rod HAS-E-R M12x110/ 88	10 pc	333127
HAS-E-R M12x110/128	M12	14 mm	19 mm	260 mm	110 mm	128 mm	110 mm	1x Anchor rod HAS-E-R M12x110/128	10 pc	333128

HAS-E-R M16x125/20	M16	18 mm	24 mm	164 mm	125 mm	20 mm	125 mm	1x Anchor rod HAS-E-R M16x125/ 20	10 pc	333130
HAS-E-R M16x125/38	M16	18 mm	24 mm	190 mm	125 mm	38 mm	125 mm	1x Anchor rod HAS-E-R M16x125/ 38	20 pc	333131
HAS-E-R M16x125/108	M16	18 mm	24 mm	260 mm	125 mm	108 mm	125 mm	1x Anchor rod HAS-E-R M16x125/108	10 pc	333132
HAS-E-R M16x125/148	M16	18 mm	24 mm	300 mm	125 mm	148 mm	125 mm	1x Anchor rod HAS-E-R M16x125/148	10 pc	333133
HAS-E-R M16x125/198	M16	18 mm	24 mm	350 mm	125 mm	198 mm	125 mm	1x Anchor rod HAS-E-R M16x125/198	10 pc	333134
HAS-E-R M20x170/48	M20	22 mm	30 mm	240 mm	170 mm	48 mm	170 mm	1x Anchor rod HAS-E-R M20x170/ 48	10 pc	333135
HAS-E-R M20x170/108	M20	22 mm	30 mm	300 mm	170 mm	108 mm	170 mm	1x Anchor rod HAS-E-R M20x170/108	10 pc	333136
HAS-E-R M24x210/54	M24	26 mm	36 mm	290 mm	210 mm	54 mm	210 mm	1x Anchor rod HAS-E-R M24x210/ 54	10 pc	333137
HAS-E-R M27x240/60	M27	30 mm	41 mm	340 mm	240 mm	60 mm	240 mm	1x Anchor rod HAS-RE M27x240/ 60	4 pc	333138
HAS-E-R M30x270/70	M30	33 mm	46 mm	380 mm	270 mm	70 mm	270 mm	1x Anchor rod HAS-RE M30x270/ 70	4 pc	333139
HAS-E-R M33x300/80	M33	36 mm	50 mm	420 mm	300 mm	80 mm	300 mm	1x Anchor rod HAS-RE M33x300/ 80	4 pc	333140
HAS-E-R M36x330/90	M36	39 mm	55 mm	460 mm	330 mm	90 mm	330 mm	1x Anchor rod HAS-RE M36x330/ 90	2 pc	333141

Anchor rod for use with capsules (high corrosion resistance) HAS-E-HCR



Key applications and advantages

- Suitable for fastenings in concrete and hard natural stone in conjunction with HVU capsules, HIT-HY 150, HIT-RE 500, HIT-MM, and HFX
- Suitable for fastenings in masonry in conjunction with HIT-HY 70, HIT MM, and HFX (M6-M12)
- Incorporates a chisel-shaped end to cut and mix the HVU capsule, embedment marking for easy setting and a conical head
- Large range of anchor rods (M8-M24)

Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Highly corrosive special applications, Underwater, salty water
Type of fastening	Pre-fastening
Material composition	Steel, high corrosion resistant (HCR)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, high corrosion resistant (HCR)
In-service temperature - min.	-40 °C



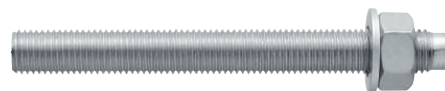
Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HAS-E-HCR M8x80/14	M8	10 mm	13 mm	110 mm	80 mm	14 mm	80 mm	1x Anchor rod HAS-E-HCR M8x80/L assy	20 pc	229504
HAS-E-HCR M10x90/21	M10	12 mm	17 mm	130 mm	90 mm	21 mm	90 mm	1x Anchor rod HAS-E-HCR M10x90/L assy	10 pc	229505
HAS-E-HCR M12x110/28	M12	14 mm	19 mm	160 mm	110 mm	28 mm	110 mm	1x Anchor rod HAS-E-HCR M12x110/L assy	10 pc	229506
HAS-E-HCR M20x170/48	M20	22 mm	30 mm	240 mm	170 mm	48 mm	170 mm	1x Anchor rod HAS-E-HCR M20x170/L assy	5 pc	229508
HAS-E-HCR M24x210/54	M24	24 mm	36 mm	290 mm	210 mm	54 mm	210 mm	1x Anchor rod HAS-E-HCR M24x210/L assy	5 pc	229509

Standard anchor rod for injection (5.8 CS) HIT-V-5.8



Key applications and advantages

- Suitable for fastenings in concrete and masonry in combination with the relevant Hilti HIT injectable adhesive mortar
- Applications where flexible embedment depths are required
- Flexible embedment depths for maximum performance and high cost-efficiency
- Productivity: use of optimal rod length and diameter saves time and money with every fastening



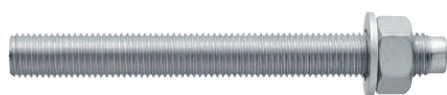
Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, 5.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
In-service temperature - min.	-40 °C



Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Useable thread length	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HIT-V-5.8 M6x75	M6	7 mm	10 mm	75 mm	63 mm	70 mm	60 mm	1x Anchor rod HIT-V-5.8 M6x75 assy	20 pc	387144
HIT-V-5.8 M6x105	M6	7 mm	10 mm	105 mm	93 mm	70 mm	80 mm	1x Anchor rod HIT-V-5.8 M6x105 assy	20 pc	387145
HIT-V-5.8 M8x80	M8	9 mm	13 mm	80 mm	65 mm	60 mm	60 mm	1x Anchor rod HIT-V-5.8 M8x80 assy	20 pc	387054
HIT-V-5.8 M8x110	M8	9 mm	13 mm	110 mm	95 mm	80 mm	80 mm	1x Anchor rod HIT-V-5.8 M8x110 assy	20 pc	387055
HIT-V-5.8 M10x95	M10	12 mm	17 mm	95 mm	78 mm	60 mm	90 mm	1x Anchor rod HIT-V-5.8 M10x95 assy	10 pc	387057
HIT-V-5.8 M10x115	M10	12 mm	17 mm	115 mm	98 mm	90 mm	90 mm	1x Anchor rod HIT-V-5.8 M10x115 assy	10 pc	387146
HIT-V-5.8 M10x130	M10	12 mm	17 mm	130 mm	113 mm	90 mm	90 mm	1x Anchor rod HIT-V-5.8 M10x130 assy	10 pc	387058
HIT-V-5.8 M12x110	M12	14 mm	19 mm	110 mm	91 mm	70 mm	70 mm	1x Anchor rod HIT-V-5.8 M12x110 assy	10 pc	387060
HIT-V-5.8 M12x120	M12	14 mm	19 mm	120 mm	101 mm	110 mm	110 mm	1x Anchor rod HIT-V-5.8 M12x120 assy	10 pc	387147
HIT-V-5.8 M12x150	M12	14 mm	19 mm	150 mm	131 mm	110 mm	110 mm	1x Anchor rod HIT-V-5.8 M12x150 assy	10 pc	387061
HIT-V-5.8 M16x150	M16	18 mm	24 mm	150 mm	127 mm	80 mm	80 mm	1x Anchor rod HIT-V-5.8 M16x150 assy	5 pc	387064
HIT-V-5.8 M16x200	M16	18 mm	24 mm	200 mm	177 mm	125 mm	125 mm	1x Anchor rod HIT-V-5.8 M16x200 assy	5 pc	387065
HIT-V-5.8 M16x300	M16	18 mm	24 mm	300 mm	277 mm	125 mm	125 mm	1x Anchor rod HIT-V-5.8 M16x300 assy	5 pc	387066
HIT-V-5.8 M20x180	M20	22 mm	30 mm	180 mm	153 mm	90 mm	90 mm	1x Anchor rod HIT-V-5.8 M20x180 assy	5 pc	387068
HIT-V-5.8 M20x260	M20	22 mm	30 mm	260 mm	233 mm	170 mm	170 mm	1x Anchor rod HIT-V-5.8 M20x260 assy	5 pc	387069
HIT-V-5.8 M20x380	M20	22 mm	30 mm	380 mm	353 mm	170 mm	170 mm	1x Anchor rod HIT-V-5.8 M20x380 assy	10 pc	387070
HIT-V-5.8 M20x480	M20	22 mm	30 mm	480 mm	453 mm	170 mm	170 mm	1x Anchor rod HIT-V-5.8 M20x480 assy	10 pc	387071
HIT-V-5.8 M24x300	M24	26 mm	36 mm	300 mm	268 mm	210 mm	210 mm	1x Anchor rod HIT-V-5.8 M24x300 assy	5 pc	387072
HIT-V-5.8 M24x450	M24	26 mm	36 mm	450 mm	418 mm	210 mm	210 mm	1x Anchor rod HIT-V-5.8 M24x450 assy	5 pc	387073

Anchor rod HIT-V 8.8



Key applications and advantages

- Suitable for fastenings in masonry in conjunction with Hilti HIT-HY 70
- For embedment depths of 4x - 20x rod diameter
- Flexibility: approved embedment depth between 4 to 20 times rod diameter allows shallow fastenings in thin concrete slabs or walls
- Productivity: use of optimum rod length and diameter saves time and money in each fastening job



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
In-service temperature - min.	-40 °C

Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Useable thread length	Standard embedment depth	Package contents	Sales pack quantity	Item number
HIT-V-8.8 M8x150	M8	10 mm	10 Nm	13 mm	150 mm	135 mm	80 mm	1x Anchor rod HIT-V-8.8 M8x150 assy	20 pc	387056
HIT-V-8.8 M10x190	M10	12 mm	20 Nm	17 mm	190 mm	173 mm	90 mm	1x Anchor rod HIT-V-8.8 M10x190 assy	10 pc	387059
HIT-V-8.8 M12x220	M12	14 mm	40 Nm	19 mm	220 mm	201 mm	110 mm	1x Anchor rod HIT-V-8.8 M12x220 assy	10 pc	387062
HIT-V-8.8 M12x280	M12	14 mm	40 Nm	19 mm	280 mm	261 mm	110 mm	1x Anchor rod HIT-V-8.8 M12x280 assy	10 pc	387063
HIT-V-8.8 M16x380	M16	18 mm	80 Nm	24 mm	380 mm	357 mm	125 mm	1x Anchor rod HIT-V-8.8 M16x380 assy	5 pc	387067

Standard anchor rod for use with injection HIT-V-F (5.8 hot-dip galvanized)



Key applications and advantages

- Suitable for fastenings in concrete in conjunction with the relevant Hilti HIT injectable adhesive anchoring systems
- Suitable for fastenings in masonry in combination with Hilti HIT-HY 70
- For embedment depths of 4x - 20x rod diameter
- Flexibility: approved embedment depth between 4 to 20 times rod diameter allows shallow fastenings in thin concrete slabs or walls
- Productivity: use of optimum rod length and diameter saves time and money in each fastening job



Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, 5.8 grade, hot-dip galvanized (min. 43 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanised
In-service temperature - min.	-40 °C

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Useable thread length	Package contents	Sales pack quantity	Item number
HIT-V-F-5.8 M10x95	M10	12 mm	17 mm	95 mm	78 mm	1x Anchor rod HIT-V-F M10x95 assy	10 pc	409551
HIT-V-F-5.8 M10x115	M10	12 mm	17 mm	115 mm	98 mm	1x Anchor rod HIT-V-F M10x115 assy	10 pc	409552

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Useable thread length	Package contents	Sales pack quantity	Item number
HIT-V-F-5.8 M10x130	M10	12 mm	17 mm	130 mm	113 mm	1x Anchor rod HIT-V-F M10x130 assy	10 pc	409553
HIT-V-F-5.8 M12x110	M12	14 mm	19 mm	110 mm	91 mm	1x Anchor rod HIT-V-F M12x110 assy	10 pc	409555
HIT-V-F-5.8 M12x120	M12	14 mm	19 mm	120 mm	101 mm	1x Anchor rod HIT-V-F M12x120 assy	10 pc	409556
HIT-V-F-5.8 M12x150	M12	14 mm	19 mm	150 mm	131 mm	1x Anchor rod HIT-V-F M12x150 assy	10 pc	409557
HIT-V-F-5.8 M16x150	M16	18 mm	24 mm	150 mm	127 mm	1x Anchor rod HIT-V-F M16x150 assy	5 pc	409560
HIT-V-F-5.8 M16x200	M16	18 mm	24 mm	200 mm	177 mm	1x Anchor rod HIT-V-F M16x200 assy	5 pc	409561
HIT-V-F-5.8 M16x300	M16	18 mm	24 mm	300 mm	277 mm	1x Anchor rod HIT-V-F M16x300 assy	5 pc	409562
HIT-V-F-5.8 M20x180	M20	22 mm	30 mm	180 mm	153 mm	1x Anchor rod HIT-V-F M20x180 assy	5 pc	409564
HIT-V-F-5.8 M20x260	M20	22 mm	30 mm	260 mm	233 mm	1x Anchor rod HIT-V-F M20x260 assy	5 pc	409565
HIT-V-F-5.8 M20x480	M20	22 mm	30 mm	480 mm	453 mm	1x Anchor rod HIT-V-F M20x480 assy	10 pc	409567
HIT-V-F-5.8 M24x300	M24	26 mm	36 mm	300 mm	268 mm	1x Anchor rod HIT-V-F M24x300 assy	5 pc	409568
HIT-V-F-5.8 M24x450	M24	26 mm	36 mm	450 mm	418 mm	1x Anchor rod HIT-V-F M24x450 assy	5 pc	409569

Anchor rod HIT-V-F-8.8 (HDG)



Key applications and advantages

- Productivity: Use of the optimum rod length and diameter saves time and money in each fastening job
- Suitable for fastenings in cracked concrete in conjunction with HIT-HY 200-A and HIT-RE 500-SD
- Approvals: system with worldwide approval (ETA) for flexible embedment depth from 4 to 20 times rod diameter for M8 to M30 rods

Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, 8.8 grade, hot-dip galvanized (min. 43 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanised
In-service temperature - min.	-40 °C



Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Useable thread length	Standard embedment depth	Package contents	Sales pack quantity	Item number
HIT-V-F-8.8 M10x190	M10	12 mm	20 Nm	17 mm	190 mm			1x Anchor rod HIT-V-F M10x190 assy	10 pc	409554
HIT-V-F-8.8 M12x220	M12	14 mm	40 Nm	19 mm	220 mm	201 mm		1x Anchor rod HIT-V-F M12x220 assy	10 pc	409558
HIT-V-F-8.8 M12x280	M12	14 mm	40 Nm	19 mm	280 mm	261 mm		1x Anchor rod HIT-V-F M12x280 assy	10 pc	409559
HIT-V-F-8.8 M16x380	M16	18 mm	80 Nm	24 mm	380 mm	357 mm	125 mm	1x Anchor rod HIT-V-F M16x380 assy	5 pc	409563

Everyday standard anchor rod for injection mortars (A4 SS) HIT-V-R



Key applications and advantages

- Suitable for fastenings in masonry in combination with Hilti HIT-HY 70
- Suitable for fastenings in concrete in combination with the relevant Hilti HIT injectable adhesive mortar
- Applications where embedment depth is 4x - 20x rod diameter
- Flexibility: approved embedment depth between 4 to 20 times rod diameter allows shallow fastenings in thin concrete slabs or walls
- Productivity: use of optimal rod length and diameter saves time and money with every fastening

Technical data

Anchor type	Off-the-shelf rods
Head configuration	Externally threaded
Environmental conditions	Covered by ground soil, Outdoor, Underwater, fresh water
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, stainless
In-service temperature - min.	-40 °C



Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Useable thread length	Drilling depth	Package contents	Sales pack quantity	Item number
HIT-V-R M8x80	M8	9 mm	10 Nm	13 mm	80 mm	65 mm	60 mm	1x Anchor rod HIT-V-R M8x80 assy	20 pc	387074
HIT-V-R M8x110	M8	9 mm	10 Nm	13 mm	110 mm	95 mm	80 mm	1x Anchor rod HIT-V-R M8x110 assy	20 pc	387075
HIT-V-R M8x150	M8	9 mm	10 Nm	13 mm	150 mm	135 mm	80 mm	1x Anchor rod HIT-V-R M8x150 assy	20 pc	387076
HIT-V-R M10x95	M10	12 mm	20 Nm	17 mm	95 mm	78 mm	90 mm	1x Anchor rod HIT-V-R M10x95 assy	10 pc	387077
HIT-V-R M10x130	M10	12 mm	20 Nm	17 mm	130 mm	113 mm	90 mm	1x Anchor rod HIT-V-R M10x130 assy	10 pc	387078
HIT-V-R M10x190	M10	12 mm	20 Nm	17 mm	190 mm	173 mm	90 mm	1x Anchor rod HIT-V-R M10x190 assy	10 pc	387079
HIT-V-R M10x115	M10	12 mm	20 Nm	17 mm	115 mm	98 mm	80 mm	1x Anchor rod HIT-V-R M10x115 assy	10 pc	387148
HIT-V-R M12x110	M12	14 mm	40 Nm	19 mm	110 mm	91 mm	110 mm	1x Anchor rod HIT-V-R M12x110 assy	10 pc	387080
HIT-V-R M12x150	M12	14 mm	40 Nm	19 mm	150 mm	131 mm	110 mm	1x Anchor rod HIT-V-R M12x150 assy	10 pc	387081
HIT-V-R M12x220	M12	14 mm	40 Nm	19 mm	220 mm	201 mm	110 mm	1x Anchor rod HIT-V-R M12x220 assy	10 pc	387082
HIT-V-R M12x280	M12	14 mm	40 Nm	19 mm	280 mm	261 mm	110 mm	1x Anchor rod HIT-V-R M12x280 assy	10 pc	387083
HIT-V-R M12x120	M12	14 mm	40 Nm	19 mm	120 mm	101 mm	90 mm	1x Anchor rod HIT-V-R M12x120 assy	10 pc	387149
HIT-V-R M16x150	M16	18 mm	80 Nm	24 mm	150 mm	127 mm	125 mm	1x Anchor rod HIT-V-R M16x150 assy	5 pc	387084
HIT-V-R M16x200	M16	18 mm	80 Nm	24 mm	200 mm	177 mm	125 mm	1x Anchor rod HIT-V-R M16x200 assy	5 pc	387085
HIT-V-R M16x300	M16	18 mm	80 Nm	24 mm	300 mm	277 mm	125 mm	1x Anchor rod HIT-V-R M16x300 assy	5 pc	387086
HIT-V-R M16x380	M16	18 mm	80 Nm	24 mm	380 mm	357 mm	125 mm	1x Anchor rod HIT-V-R M16x380 assy	5 pc	387087
HIT-V-R M20x260	M20	22 mm	150 Nm	30 mm	260 mm	233 mm	170 mm	1x Anchor rod HIT-V-R M20x260 assy	5 pc	387088
HIT-V-R M20x180	M20	22 mm	150 Nm	30 mm	180 mm	153 mm	170 mm	1x Anchor rod HIT-V-R M20x180 assy	5 pc	387150
HIT-V-R M20x380	M20	22 mm	150 Nm	30 mm	380 mm	353 mm	170 mm	1x Anchor rod HIT-V-R M20x380 assy	10 pc	387089
HIT-V-R M20x480	M20	22 mm	150 Nm	30 mm	480 mm	453 mm	170 mm	1x Anchor rod HIT-V-R M20x480 assy	10 pc	387151
HIT-V-R M24x300	M24	26 mm	200 Nm	36 mm	300 mm	268 mm	210 mm	1x Anchor rod HIT-V-R M24x300 assy	5 pc	387152
HIT-V-R M24x450	M24	26 mm	200 Nm	36 mm	450 mm	418 mm	210 mm	1x Anchor rod HIT-V-R M24x450 assy	5 pc	387153

Economical meter rod for use with injection AM 8.8 HDG



Key applications and advantages

- Suitable for use with all Hilti HIT injectable mortars

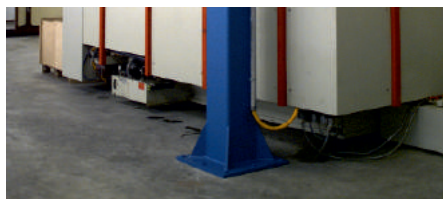


Technical data

Anchor type	Metre rods
Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions, Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, hot-dip galvanized (min. 43 µm)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanized

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Package contents	Sales pack quantity	Item number
AM10x1000 8.8 HDG	M10	12 mm	17 mm	1000 mm	1x Threaded stud F M10	20 pc	419102
AM12x1000 8.8 HDG	M12	14 mm	19 mm	1000 mm	1x Threaded stud F M12	15 pc	419103
AM16x1000 8.8 HDG	M16	18 mm	24 mm	1000 mm	1x Threaded stud F M16	5 pc	419104
AM20x1000 8.8 HDG	M20	22 mm	30 mm	1000 mm	1x Threaded stud F M20	5 pc	419105
AM24x1000 8.8 HDG	M24	26 mm	36 mm	1000 mm	1x Threaded stud F M24	5 pc	419106
AM24x3000 8.8 HDG	M24	26 mm	36 mm	3000 mm		5 pc	2008585
AM27x1000 8.8 HDG	M27	30 mm	41 mm	1000 mm		1 pc	2008338
AM30x1000 8.8 HDG	M30	33 mm	46 mm	1000 mm		1 pc	2008339
AM33x1000 8.8 HDG	M33	36 mm	50 mm	1000 mm		1 pc	2008340
AM33x3000 8.8 HDG	M33	36 mm	50 mm	3000 mm		1 pc	2008344
AM36x1000 8.8 HDG	M36	39 mm	55 mm	1000 mm		1 pc	2008341

Internal threaded sleeve (metric) HIS-N



Key applications and advantages

- Suitable for internally threaded fastenings in concrete with various Hilti injectable adhesives and Hilti HVU capsules
- Internally threaded, allowing flush installation and easy removal of bolts
- Roof-shaped tip for cutting and mixing the Hilti HVU capsule (to be installed with HIS-S setting tool)



Technical data	
Anchor type	Internally threaded
Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
In-service temperature - min.	-40 °C

Approvals	
ETA	ETA 04/0027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 05/0255 for HVU adhesive capsules (ETAG 001-05, Option 7)
	ETA 08/0352 for HIT-HY 150 MAX injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 11/0493 for HIT-HY 200-A injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)
ETA, Seismic	ETA 07/0260 HIT-RE 500-SD injection mortar for anchoring applications (ETAG 001-05, Option 1)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Thread engagement depth - max.	Thread engagement depth - min.	Base plate clearance hole	Outside diameter	Anchor length	Standard embedment depth	Package contents	Sales pack quantity	Item number
HIS-N M8x90	M8	20 mm	8 mm	9 mm	13 mm	90 mm	90 mm	1x Cap HIS M8	10 pc	258015
HIS-N M10x110	M10	25 mm	10 mm	12 mm	17 mm	110 mm	110 mm	1x Cap HIS M10	10 pc	258016
HIS-N M12x125	M12	30 mm	12 mm	14 mm	21 mm	125 mm	125 mm	1x Cap HIS M12	5 pc	258017
HIS-N M16x170	M16	40 mm	16 mm	18 mm	25 mm	170 mm	170 mm	1x Cap HIS M16	5 pc	258018
HIS-N M20x205	M20	50 mm	20 mm	22 mm	28 mm	205 mm	205 mm	1x Cap HIS M20	5 pc	258019

Anchors

Internal threaded sleeve (metric stainless) HIS-RN



Key applications and advantages

- Internally threaded, allowing flush installation and easy removal of bolts
- Roof-shaped tip for cutting and mixing the Hilti HVU capsule (to be installed with HIS-S setting tool)



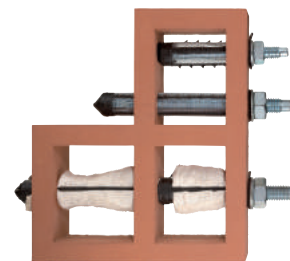
Technical data	
Anchor type	Internally threaded
Head configuration	Inner thread
Environmental conditions	Covered by ground soil, Outdoor, Underwater, fresh water
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
PROFIS software	Yes
Material, corrosion	Steel, stainless

Ordering designation	Anchor size	Internal thread size	Thread engagement depth - max.	Thread engagement depth - min.	Base plate clearance hole	Outside diameter	Anchor length	Package contents	Sales pack quantity	Item number
HIS-RN M10x110 A4	M10	10 mm	25 mm	10 mm	12 mm	17 mm	110 mm	1x Cap HIS M10	10 pc	258025
HIS-RN M12x125 A4	M12	12 mm	30 mm	12 mm	14 mm	21 mm	125 mm	1x Cap HIS M12	5 pc	258026
HIS-RN M16x170 A4	M16	16 mm	40 mm	16 mm	18 mm	25 mm	170 mm	1x Cap HIS M16	5 pc	258027
HIS-RN M20x205 A4	M20	20 mm	50 mm	20 mm	22 mm	28 mm	205 mm	1x Cap HIS M20	5 pc	258028

Modular composite mesh sleeves for fastenings in masonry HIT-SC

Key applications and advantages

- Suitable for applications in hollow materials in combination with Hilti HIT-HY 70, HIT-HY 170, HIT-HY 270, HIT-MM PLUS or HFX
- Typical applications include sun blinds, awnings, electrical installations, sanitary installations, handrails, banisters, railings, window gratings, gates
- Standard 50 mm and 85 mm lengths can be used individually or clicked together for deeper embedment applications
- Simply push the anchor rod into the sleeve



Ordering designation	Anchor size	Outside diameter	Anchor length	Drilling depth	Package contents	Sales pack quantity	Item number
HIT-SC 16x50	8/10 mm	18 mm	50 mm	60 mm	1x Mesh sleeve HIT SC 16X50	20 pc	375981
HIT-SC 16x85	8/10 mm	18 mm	85 mm	95 mm	1x Mesh sleeve HIT SC 16X85	20 pc	375982
HIT-SC 12x50	6 mm	14 mm	50 mm	60 mm	1x Mesh sleeve HIT SC 12X50	20 pc	375979
HIT-SC 12x85	6 mm	14 mm	85 mm	95 mm	1x Mesh sleeve HIT SC 12X85	20 pc	375980
HIT-SC 22x85	16 mm	24 mm	85 mm	95 mm	1x Mesh sleeve HIT-SC 22x85	10 pc	284511

Economical meter rod for use with injection (8.8 CS) AM



Key applications and advantages

- Suitable for use with all Hilti HIT injectable mortars
- Covered by approval with confirmation of material and mechanical properties by inspection certificate 3.1
- Universality and productivity: lean inventory by enabling use of the same rod for various applications and lengths

Technical data

Anchor type	Metre rods
Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
PROFIS software	No
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Package contents	Sales pack quantity	Item number
AM8X1000 8.8 zincd	M8	9 mm	13 mm	1000 mm	1x Threaded stud M8x1000	20 pc	407496
AM8x3000 8.8 zincd	M8	9 mm	13 mm	3000 mm		20 pc	2008565
AM10X1000 8.8 zincd	M10	12 mm	17 mm	1000 mm	1x Threaded stud M10x1000	20 pc	407497
AM10x3000 8.8 zincd	M10	12 mm	17 mm	3000 mm		20 pc	2008566
AM12X1000 8.8 zincd	M12	14 mm	19 mm	1000 mm	1x Threaded stud M12x1000	15 pc	407498
AM12x3000 8.8 zincd	M12	14 mm	19 mm	3000 mm		15 pc	2008567
AM16X1000 8.8 zincd	M16	18 mm	24 mm	1000 mm	1x Threaded stud M16x1000	5 pc	407499
AM16x3000 8.8 zincd	M16	18 mm	24 mm	3000 mm		5 pc	2008568
AM20X1000 8.8 zincd	M20	22 mm	30 mm	1000 mm	1x Threaded stud M20x1000	5 pc	407500
AM20x3000 8.8 zincd	M20	22 mm	30 mm	3000 mm		5 pc	2008569
AM24X1000 8.8 zincd	M24	26 mm	36 mm	1000 mm	1x Threaded stud M24x1000	5 pc	407501
AM24x3000 8.8 zincd	M24	26 mm	36 mm	3000 mm		5 pc	2008580
AM27x1000 8.8 zincd	M27	30 mm	41 mm	1000 mm		1 pc	2008138
AM27x3000 8.8 zincd	M27	30 mm	41 mm	3000 mm		1 pc	2008333
AM30x1000 8.8 zincd	M30	33 mm	46 mm	1000 mm		1 pc	2008139
AM30x3000 8.8 zincd	M30	33 mm	46 mm	3000 mm		1 pc	2008334
AM33x1000 8.8 zincd	M33	36 mm	50 mm	1000 mm		1 pc	2008330
AM33x3000 8.8 zincd	M33	36 mm	50 mm	3000 mm		1 pc	2008335
AM36x1000 8.8 zincd	M36	39 mm	55 mm	1000 mm		1 pc	2008331
AM36x3000 8.8 zincd	M36	39 mm	55 mm	3000 mm		1 pc	2008336
AM39x1000 8.8 zincd	M39	42 mm	60 mm	1000 mm		1 pc	2008332
AM39x3000 8.8 zincd	M39	42 mm	60 mm	3000 mm		1 pc	2008337

Injectable mortar accessories for blowing out Hilti HIT



Key applications and advantages

- For fast and efficient removal of dust and debris from drilled holes of varying diameters and depths to allow correct installation of anchors and rebar

Technical data

Dispenser, setting tool, accessory, tester type	Cleaning accessories
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Ordering designation	Package contents	Sales pack quantity	Item number
Blow-out pump			
G 1/4"	1x Blow-out gun assy	1 pc	60579
HIT-VL 16/0.7	1x Extension tube	10 pc	336646

Cordless electric dispenser HDE 500-A22



Key applications and advantages

- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebars in concrete and masonry
- No need for an external power source
- Serial fastenings and/or injection in deep drilled holes
- Easy injection even at low temperatures
- Dose adjustment knob for accurate, controlled dispensing



Technical data

Dispenser, setting tool, accessory, tester type	Dispensers
Battery type	22 V
Dispenser type	Battery
Power source type	22 V battery platform



Ordering designation	Weight	Package contents	Sales pack quantity	Item number
HDE 500-A22 box	2.2 kg	1x Dispenser HDE 500-A22 EU assy	1 pc	2005630
HDE 500-A22 CR/CB cas	2.2 kg	1x Dispenser HDE 500-A22 EU assy, 1x Cassette 500ml black, 1x Cassette 500ml red, 1x Case	1 pc	2005637

Manual dispenser HDM



Key applications and advantages

- Fast, easy foil pack loading
- Ruggedly built to withstand tough job-site conditions

Technical data

Dispenser, setting tool, accessory, tester type	Dispensers
Dispenser type	Manual
Power source type	Manually driven



Ordering designation	Weight	Package contents	Sales pack quantity	Item number
HDM 500 box	1.8 kg	1x Dispenser HDM 500 assy	1 pc	2005641



Cartridge holder (black) HIT-CB 500

Key applications and advantages

- For use with all Hilti 3:1 adhesive foils



Ordering designation	Package contents	Sales pack quantity	Item number
Cartridge holder HIT-CB 500	1x Cassette 500ml black	1 pc	2007057

Cartridge holder Hilti HIT-CR

Key applications and advantages

- For use with 5:1 red cartridges (e.g. Hilti HIT-HY 200) HIT-HY 200)



Ordering designation	Package contents	Sales pack quantity	Item number
Cartridge holder HIT-CR 500	1x Cassette 500ml red	1 pc	2007059

Anchors

Mixers and extensions for injectable mortars Hilti HIT

Key applications and advantages

- Mixing nozzles for Hilti HIT adhesive cartridges



Ordering designation	Package contents	Sales pack quantity	Item number
Mixer HIT-RE-M		1 pc	337111
Mixer HIT-M1 assy	1x Mixer	100 pc	68156

HIT injectable mortar accessory sets HIT Profile

Key applications and advantages

- Premium rebar set for hole diameters up to 32 mm and depths up to 2500 mm
- Profi rebar set for hole diameters up to 25 mm and depths of up to 800 mm
- Profi anchor set for hole diameters up to 24 mm and depths up to 250 mm
- Reliable installation to help achieve maximum loadbearing capacity in challenging rebar and anchor applications
- Convenient and efficient installation of rebar and anchors in virtually all working directions and drilled hole conditions



Ordering designation	Package contents	Sales pack quantity	Item number
Accessory kit Hit Premium Rebar case	1x Installation report HIT Profi, 2x Extension hose 12x2x1000, 2x Hose PE 7x1x1000mm, 1x Connecting piece DLA-9, 1x Flat wrench 14, 1x Extension BOGEN DL B, 2x Piston plug IP 1/2", 2x Piston plug IP 5/8" NG, 2x Piston plug IP 3/4" NG, 2x Piston plug IP 7/8" NG, 2x Piston plug IP 1" NG, 2x Piston plug IP 1 1/8" NG, 2x Piston plug IP 1 3/8" NG, 1x Nozzle DL 1/2", 1x Nozzle DL 9/16", 1x Nozzle DL 3/4", 1x Nozzle DL 7/8", 1x Nozzle DL 1", 1x Nozzle DL 1 3/8", 1x Round steel brush HIT-RB 1/2", 1x Round steel brush HIT-RB 5/8", 1x Round steel brush HIT-RB 3/4", 1x Round steel brush HIT-RB 7/8", 1x Round steel brush HIT-RB 1", 1x Round steel brush HIT-RB 1 1/8", 1x Round steel brush HIT-RB 1 3/8", 1x Extension hose 12x2x500, 12x Extension tube, 4x Coupler VL K, 4x Coupler DL-K, 1x Case	1 pc	2036989
Accessory kit Hit Premium Rebar case	1x Installation report HIT Profi, 2x Extension hose 12x2x1000, 2x Hose PE 7x1x1000mm, 1x Connecting piece DLA-9, 1x Flat wrench 14, 1x Extension BOGEN DL B, 2x Piston plug SZ 12, 2x Piston plug SZ 14 NG, 2x Piston plug SZ 18 NG, 2x Piston plug SZ 16 NG, 2x Piston plug SZ 20 NG, 2x Piston plug SZ 25 NG, 2x Piston plug SZ 32 NG, 1x Nozzle DL 12, 1x Nozzle DL 14, 1x Nozzle DL 16, 1x Nozzle DL 18, 1x Nozzle DL 20, 1x Nozzle DL 25, 1x Nozzle DL 32, 1x Round steel brush HIT-RB 12, 1x Round steel brush HIT-RB 14, 1x Round steel brush HIT-RB 16, 1x Round steel brush HIT-RB 18, 1x Round steel brush HIT-RB 20, 1x Round steel brush HIT-RB 25, 1x Round steel brush HIT-RB 32, 1x Extension hose 12x2x500, 12x Extension tube, 4x Coupler VL K, 4x Coupler DL-K, 1x Coupler G 3/8", 1x Case	1 pc	2036986
Accessory kit Hit Profi Rebar box	1x Installation report HIT Profi, 2x Extension hose 12x2x1000, 2x Hose PE 7x1x1000mm, 1x Round steel brush HIT-RB 1/2", 1x Round steel brush HIT-RB 5/8", 1x Round steel brush HIT-RB 3/4", 1x Round steel brush HIT-RB 7/8", 1x Round steel brush HIT-RB 1", 2x Piston plug IP 1/2", 2x Piston plug IP 5/8" NG, 2x Piston plug IP 3/4" NG, 2x Piston plug IP 7/8" NG, 2x Piston plug IP 1" NG, 1x Nozzle DL 1/2", 1x Nozzle DL 9/16", 1x Nozzle DL 3/4", 1x Nozzle DL 7/8", 1x Nozzle DL 1", 1x Extension hose DL10/0.8 assy, 1x Extension hose DL16/0.8 assy, 2x Brush extension HIT-RBV, 2x Brush extension GA, 1x Blow-out gun assy	1 pc	2036990
Accessory kit Hit Profi Rebar box	1x Installation report HIT Profi, 2x Extension hose 12x2x1000, 2x Hose PE 7x1x1000mm, 1x Round steel brush HIT-RB 12, 1x Round steel brush HIT-RB 14, 1x Round steel brush HIT-RB 16, 1x Round steel brush HIT-RB 18, 1x Round steel brush HIT-RB 20, 1x Round steel brush HIT-RB 25, 2x Piston plug SZ 12, 2x Piston plug SZ 14 NG, 2x Piston plug SZ 18 NG, 2x Piston plug SZ 16 NG, 2x Piston plug SZ 20 NG, 2x Piston plug SZ 25 NG, 1x Nozzle DL 12, 1x Nozzle DL 14, 1x Nozzle DL 16, 1x Nozzle DL 18, 1x Nozzle DL 20, 1x Nozzle DL 25, 1x Extension hose DL10/0.8 assy, 1x Extension hose DL16/0.8 assy, 2x Brush extension HIT-RBV, 2x Brush extension GA, 1x Blow-out gun assy	1 pc	2036987
Accessory kit Hit Profi Anchor box	1x Round steel brush HIT-RB 7/16", 1x Round steel brush HIT-RB 9/16", 1x Round steel brush HIT-RB 3/4", 1x Round steel brush HIT-RB 7/8", 1x Round steel brush HIT-RB 1", 2x Brush extension GA, 1x Blow-out gun assy	1 pc	2036991
Accessory kit HIT PROFI anchor sys.	1x Round steel brush HIT-RB 10, 1x Round steel brush HIT-RB 12, 1x Round steel brush HIT-RB 14, 1x Round steel brush HIT-RB 18, 1x Round steel brush HIT-RB 24, 2x Brush extension GA, 1x Blow-out gun assy, 1x Blow-out pump	1 pc	2036988

Elevator hoist anchor point HAP



Key applications and advantages

- Designed for load or personnel lifting applications with manual or motorized hoists during the installation or maintenance of elevators in elevator shafts
- No limitations in terms of load directions, also works on walls
- HAP 1.15 designed for use with standard HST M12 or KB-TZ 1/2" anchors

Technical data

Dispenser, setting tool, accessory, tester type	Hoist anchor points
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Ordering designation	Sales pack quantity	Item number
HAP 1.15	2 pc	2032179

Setting tool TE-C HEX, TE-Y HEX



Key applications and advantages

- Setting tool for installing HAS and HAS-TZ rods

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
TE-C HEX M10	TE-C	1x Setting tool TE-C HEX M10	1 pc	311415
TE-C HEX M12	TE-C	1x Setting tool TE-C HEX M12	1 pc	311416
TE-C HEX M16	TE-C	1x Setting tool TE-C HEX M16	1 pc	311417
TE-Y HEX M20	TE-Y	1x Setting tool TE-Y HEX M20	1 pc	336420

Setting tool TE-C-E



Key applications and advantages

- Setting tool for installing HAS-E
- Setting tool for installing HAS-E

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
TE-C-E M8	TE-C	1x Setting tool TE-C-E M8	1 pc	369223
TE-C-E M10	TE-C	1x Setting tool TE-C-E M10	1 pc	369224
TE-C-E M12	TE-C	1x Setting tool TE-C-E M12	1 pc	369225
TE-C-E M16	TE-C	1x Setting tool TE-C-E M16	1 pc	369226

Setting tool TE-Y-E



Key applications and advantages

- Required for setting the HAS-E
- Setting tool for installing HAS-E

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
TE-Y-E M16	TE-Y	1x Setting tool TE-Y-E M16	1 pc	369227
TE-Y-E M20	TE-Y	1x Setting tool TE-Y-E M20	1 pc	369228
TE-Y-E M24	TE-Y	1x Setting tool TE-Y-E M24	1 pc	369229

Setting tool HIS-S



Key applications and advantages

- Setting tool for installing HIS
- Setting tool for installing HIS

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Package contents	Sales pack quantity	Item number
HIS-S M8	1x Setting tool HIS M 8	1 pc	45964
HIS-S M10	1x Setting tool HIS M10	1 pc	45965
HIS-S M12	1x Setting tool HIS M12	1 pc	45966
HIS-S M16	1x Setting tool HIS M16	1 pc	45967
HIS-S M20	1x Setting tool HIS M20	1 pc	45968

Torque bar S-TB



Key applications and advantages

- For setting HSA stud anchors with maximum accuracy and productivity
- Reliable ETA approved system using SIW 14-A, 22-A or 22T-A impact wrench
- No more over or undertorquing of HSA stud anchors

Technical data

Base material	Concrete (uncracked)
Connection end size	12.7 mm
Drive connection	1/2 in square, female
Drive head	1/2 in, square, male
Material coating/plating/finish	Black
Material composition	Impact-grade chrome molybdenum steel
Tool type	Impact tools, SIW

Ordering designation	Weight	Sales pack quantity	Item number
S-TB HSA M8	0.11 kg	1 pc	423774
S-TB HSA M10	0.12 kg	1 pc	423775
S-TB HSA M12	0.12 kg	1 pc	423776
S-TB HSA M16	0.13 kg	1 pc	423777

Anchors

Setting tool HKD-TE-CX (short)



Key applications and advantages

- Installation of the Hilti HKD short drop-in anchor for fastening pipes, air ducts and suspended ceilings
- Installation of the HKD short drop-in anchor
- Holes always drilled to the correct depth
- 25 mm anchor length reduces the risk of rebar hits when drilling

Technical data

Working length	27 mm
Tool type	All TE-C tools



Ordering designation	Diameter	Length	Suitable for anchor size	Sales pack quantity	Item number
HKD-TE-CX M6 1/4"x25	8 mm	142 mm	M6x25	1 pc	414472
HKD-TE-CX M8x25	10 mm	162 mm	M8x25	1 pc	414475
HKD-TE-CX M10x25	12 mm	162 mm	M10x25	1 pc	414480
HKD-TE-CX M12x25	15 mm	200 mm	HKD 12/25	1 pc	2097386

Setting tool HKD-TE-CX (long)



Key applications and advantages

- Installation of the Hilti HKD short drop-in anchor for fastening pipes, air ducts and suspended ceilings
- Installation of the HKD short drop-in anchor with embedment depth greater than 30 mm
- Holes always drilled to the correct depth
- Drilling and setting in one

Technical data

Working length	As per anchor length
Tool type	All TE-C tools



Ordering designation	Diameter	Length	Suitable for anchor size	Sales pack quantity	Item number
HKD-TE-CX M8 5/16"x30	10 mm	169 mm	M8x30	1 pc	2112619
HKD-TE-CX M8x30	10 mm	185 mm	M8x40	1 pc	2112750
HKD-TE-CX M10 3/8"x30	12 mm	169 mm	M10x30	1 pc	2112751
HKD-TE-CX M10 3/8"x40	12 mm	191 mm	M10x40	1 pc	2112752
HKD-TE-CX M12x50	15 mm	238 mm	M12x50	1 pc	2112753

Machine setting tool for flush anchors HSD-M



Key applications and advantages

- Automatic machine setting tool for more productive installation of Hilti drop-in anchors

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Package contents	Sales pack quantity	Item number
Setting tool HSD-M M8 5/16"x40	1x Setting tool HSD-M M8-5/16X40	1 pc	243749
Setting tool HSD-M M10 3/8"x40	1x Setting tool HSD-M M10-3/8X40	1 pc	243751
Setting tool HSD-M M12 1/2"x50	1x Setting tool HSD-M M12-1/2X50	1 pc	243752
Setting tool HSD-M M12x25	1x Setting tool HSD-M M12x25	1 pc	401553
Setting tool HSD-M M20 3/4"x80	1x Setting tool HSD-M M20-3/4X80	1 pc	243754

Manual setting tool with hand guard, for flush anchors HSD-G



Key applications and advantages

- HSD-G setting tool for the HDI-P features a hand guard for added user safety

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Package contents	Sales pack quantity	Item number
Setting tool HSD-G M8 5/16"x30	1x Setting tool HSD 8-5/16x25/30 assy	1 pc	243740
Setting tool HSD-G M6 1/4"x25/30	1x Setting tool HSD 6-1/4x25/30 assy	1 pc	257621
Setting tool HSD-G M6 1/4"x25	1x Setting tool HSD 6x25 assy	1 pc	243738
Setting tool HSD-G M8 5/16"x40	1x Setting tool HSD 8-5/16x40 assy	1 pc	243741
Setting tool HSD-G M10 3/8"x30	1x Setting tool HSD 10-3/8x25/30 assy	1 pc	230935
Setting tool HSD-G M10 3/8"x40	1x Setting tool HSD 10-3/8x40 assy	1 pc	243742
Setting tool HSD-G M12 1/2"x50	1x Setting tool HSD 12-1/2x50 assy	1 pc	243743
Setting tool HSD-G M12x25	1x Setting tool HSD 12x25 assy	1 pc	401552
Setting tool HSD-G M16 5/8"x65	1x Setting tool HSD 16-5/8 X65 assy	1 pc	243744
Setting tool HSD-G M20 3/4"x80	1x Setting tool HSD 20-3/4x80 assy	1 pc	243745

Eye protection for general use Safety glasses / goggles



Key applications and advantages

- Optimal eye coverage and wrap-around protection
- High-impact resistant polycarbonate lenses, additional curvature at the upper edge providing an integrated brow guard

Technical data

Disclaimer

Hilti does not issue recommendations for selection of the appropriate eye protection equipment which always depends on the relevant application and environment. Selection of the appropriate eye protection equipment is therefore solely the responsibility of the user.

Ordering designation	Height	Length	Weight	Sales pack quantity	Item number
Safety glasses PP EY-GU C HC/AF clear	5 mm	15 mm	0.03 kg	1 pc	2065445
Safety glasses PP EY-GU G HC/AF grey	5 mm	15 mm	0.03 kg	1 pc	2065446
Safety glasses PP EY-GU B AF blue	5 mm	15 mm	0.03 kg	1 pc	2065447
Safety glasses PP EY-CA NCH clear	6 mm	15 mm	0.04 kg	1 pc	2065449
Goggles PP EY-HA S clear	6 mm	15 mm	0.04 kg	1 pc	2065590
Goggles PP EY-HA R HC/AF clear	8 mm	18 mm	0.08 kg	1 pc	2065591

Setting tools for HAS-E and HIS-N

Diameters M8 to M16



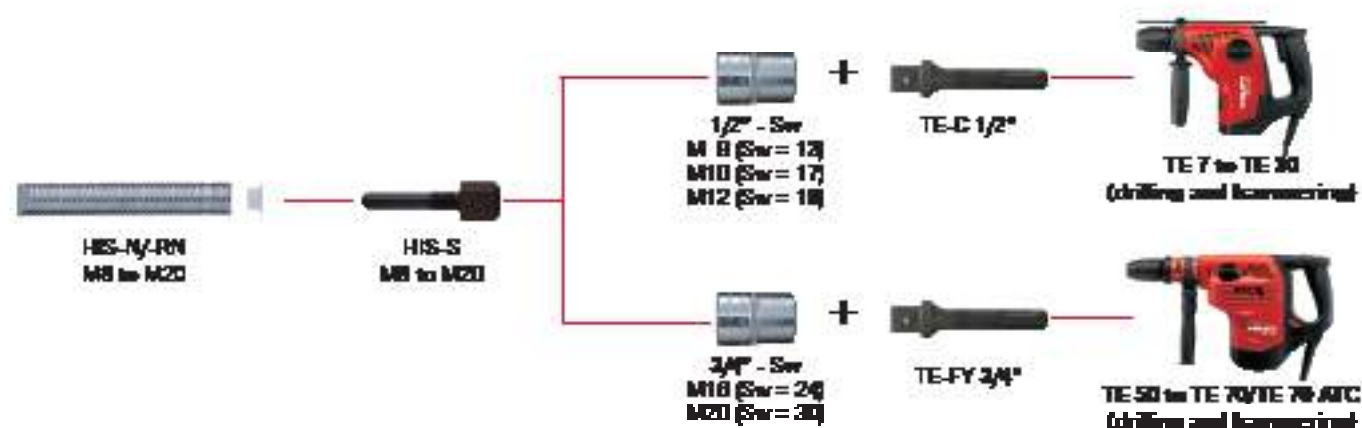
Diameters M20 to M24



Diameters M27 to M39



Setting tools for HIS-N/RN M8 to M20



Ultimate-performance through-set undercut anchor for dynamic loads (zinc-plated) HDA-T

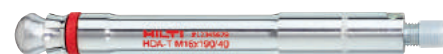


Key applications and advantages

- Safety-relevant, heavy-duty fastenings for all dynamic loading (shock, seismic and fatigue) in cracked or uncracked concrete, including applications in nuclear power plants
- Fastenings to support heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.
- Combines the advantages of a post-installed mechanical anchor, i.e. flexibility and immediate loading, with the performance of a cast-in-place headed stud
- Close spacing and small edge distance thanks to low expansion forces

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012



Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Socket size	Wrench size	Washer size	Anchor length	Package contents	Sales pack quantity	Item number
HDA-T M10x100/20	M10	21 mm	50 Nm	17 mm	17 mm	27 mm	150 mm	1x Undercut anchor HDA-T M10/20 assy	12 pc	331545
HDA-T M12x125/50	M12	23 mm	80 Nm		19 mm	32 mm	210 mm	1x Undercut anchor HDA-T M12/50 assy	8 pc	331549
HDA-T M16x190/40	M16	32 mm	120 Nm		24 mm	45 mm	275 mm	1x Undercut anchor HDA-T M16/40 assy	4 pc	331552
HDA-T M16x190/60	M16	32 mm	120 Nm		24 mm	45 mm	295 mm	1x Undercut anchor HDA-T M16/60 assy	4 pc	331553
HDA-T M20x250/50	M20	40 mm	300 Nm		30 mm	50 mm	360 mm	1x Undercut anchor HDA-T M20/50 assy	2 pc	339267
HDA-T M20x250/100	M20	40 mm	300 Nm		30 mm	50 mm	410 mm	1x Undercut anchor HDA-T M20/100 assy	2 pc	339268

Anchors

Ultimate-performance through-set undercut anchor for dynamic loads (sherardized) HDA-TF



Key applications and advantages

- Safety-relevant, heavy-duty fastenings for all dynamic loading in cracked or uncracked concrete, including applications in nuclear power plants
- Examples: supports for heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fastening points, elevator tracks, bridge retrofitting etc.
- Combines the advantages of a post-installed mechanical anchor, i.e. flexibility and immediate loading, with the performance of a cast-in-place headed stud
- Close spacing and small edge distances thanks to very low expansion forces

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions
Type of fastening	Through-fastening
Material composition	Bolt: steel, 8.8 grade, sherardized (min. 45 µm)
Installation direction	All
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Installation requires a specific stop drill bit, setting tool and rotary hammer as per instructions
Material, corrosion	Steel, sherardized / hot-dip galvanised
Accessories	HDA-CW



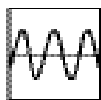
Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Washer size	Anchor length	Length identification mark	Package contents	Sales pack quantity	Item number
HDA-TF M16x190/40	M16	32 mm	120 Nm	24 mm	45 mm	275 mm	R	1x Undercut anchor HDA-TF M16/40 assy	4 pc	339364
HDA-TF M16x190/60	M16	32 mm	120 Nm	24 mm	45 mm	295 mm	S	1x Undercut anchor HDA-TF M16/60 assy	4 pc	339365

Ultimate-performance through-set undercut anchor for dynamic loads (stainless) HDA-TR



Key applications and advantages

- Safety-relevant, heavy-duty fastening for dynamic loading in cracked or uncracked concrete and corrosive environments, including applications in nuclear power plants
- Anchoring supports for heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.
- Combines the advantages of a post-installed mechanical anchor, i.e. flexibility and immediate loading, with the performance of a cast-in-place headed stud
- Close spacing and small edge distances thanks to low expansion forces



Technical data

Head configuration	Externally threaded
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, stainless

Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Washer size	Anchor length	Length identification mark	Package contents	Sales pack quantity	Item number
HDA-TR M10x100/20	M10	21 mm	50 Nm	17 mm	27 mm	150 mm	I	1x Undercut anchor HDA-TR M10/20 assy	12 pc	339351
HDA-TR M12x125/30	M12	23 mm	80 Nm	19 mm	32 mm	190 mm	L	1x Undercut anchor HDA-TR M12/30 assy	8 pc	339352
HDA-TR M16x190/40	M16	32 mm	120 Nm	24 mm	45 mm	275 mm	R	1x Undercut anchor HDA-TR M16/40 assy	4 pc	339354
HDA-TR M16x190/60	M16	32 mm	120 Nm	24 mm	45 mm	295 mm	S	1x Undercut anchor HDA-TR M16/60 assy	4 pc	339355

Ultimate-performance pre-set undercut anchor for dynamic loads (zinc-plated) HDA-P



Key applications and advantages

- Safety-relevant, heavy-duty fastenings for all dynamic loading (shock, seismic and fatigue) in cracked or uncracked concrete, including applications in nuclear power plants
- Fastenings to support heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.
- Combines the flexibility and immediate loading capability of a post-installed mechanical anchor with the performance of a cast-in-place headed stud
- Close spacing and small edge distances thanks to low expansion forces



Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Washer size	Anchor length	Length identification mark	Package contents	Sales pack quantity	Item number
HDA-P M10x100/20	M10	12 mm	50 Nm	17 mm	27 mm	150 mm	I	1x Undercut anchor HDA-P M10/20 assy	12 pc	331544
HDA-P M12x125/30	M12	14 mm	80 Nm	19 mm	32 mm	190 mm	L	1x Undercut anchor HDA-P M12/30 assy	8 pc	331546
HDA-P M12x125/50	M12	14 mm	80 Nm	19 mm	32 mm	210 mm	N	1x Undercut anchor HDA-P M12/50 assy	8 pc	331547
HDA-P M16x190/40	M16	18 mm	120 Nm	24 mm	45 mm	275 mm	R	1x Undercut anchor HDA-P M16/40 assy	4 pc	331550
HDA-P M16x190/60	M16	18 mm	120 Nm	24 mm	45 mm	295 mm	S	1x Undercut anchor HDA-P M16/60 assy	4 pc	331551
HDA-P M20x250/50	M20	22 mm	300 Nm	30 mm	50 mm	360 mm	V	1x Undercut anchor HDA-P M20/50 assy	2 pc	339265
HDA-P M20x250/100	M20	22 mm	300 Nm	30 mm	50 mm	410 mm	X	1x Undercut anchor HDA-P M20/100 assy	2 pc	339266

Ultimate-performance pre-set undercut anchor for dynamic loads (sherardized) HDA-PF



Key applications and advantages

- Safety-relevant, heavy-duty fastenings for dynamic loading in cracked or uncracked concrete, including applications in nuclear power plants
- Examples: supports for heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fastening points, elevator tracks, bridge retrofitting etc.
- Combines the advantages of a post-installed mechanical anchor, i.e. flexibility and immediate loading, with the performance of a cast-in-place headed stud
- Close spacing and small edge distances thanks to very low expansion forces

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Bolt: steel, 8.8 grade, sherardized (min. 45 µm)
Installation direction	All
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Installation requires a specific stop drill bit, setting tool and rotary hammer as per instructions
Material, corrosion	Steel, sherardised / hot-dip galvanised
Required inserts	TE-C-HDA-B, TE-Y-HDA-ST, TE-Y-HDA-B, TE-C-HDA-ST, TE-C-HDA-RT, TE-C-HDA-GT



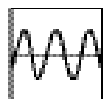
Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Washer size	Anchor length	Length identification mark	Package contents	Sales pack quantity	Item number
HDA-PF M10x100/20	M10	12 mm	50 Nm	17 mm	27 mm	150 mm	I	1x Undercut anchor HDA-PF M10/20 qc assy	12 pc	412900
HDA-PF M12x125/30	M12	14 mm	80 Nm	19 mm	32 mm	190 mm	L	1x Undercut anchor HDA-PF M12/30 qc assy	8 pc	412901
HDA-PF M12x125/50	M12	14 mm	80 Nm	19 mm	32 mm	210 mm	N	1x Undercut anchor HDA-PF M12/50 qc assy	8 pc	412902
HDA-PF M16x190/40	M16	18 mm	120 Nm	24 mm	45 mm	275 mm	R	1x Undercut anchor HDA-PF M16/40 assy	4 pc	339359
HDA-PF M16x190/60	M16	18 mm	120 Nm	24 mm	45 mm	295 mm	S	1x Undercut anchor HDA-PF M16/60 assy	4 pc	339360

Ultimate-performance pre-set undercut anchor for dynamic loads (stainless) HDA-PR



Key applications and advantages

- Safety-relevant, heavy-duty fastening for dynamic loading in cracked or uncracked concrete and corrosive environments, including applications in nuclear power plants
- Anchoring supports for heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.
- Combines the flexibility and immediate loading of a post-installed mechanical anchor with the performance of a cast-in-place headed stud
- Close spacing and small edge distances thanks to low expansion forces



Technical data

Head configuration	Externally threaded
Environmental conditions	Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, stainless

Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Washer size	Anchor length	Length identification mark	Package contents	Sales pack quantity	Item number
HDA-PR M10x100/20	M10	12 mm	50 Nm	17 mm	27 mm	150 mm	I	1x Undercut anchor HDA-PR M10/20 assy	12 pc	339346
HDA-PR M12x125/30	M12	14 mm	80 Nm	19 mm	32 mm	190 mm	L	1x Undercut anchor HDA-PR M12/30 assy	8 pc	339347
HDA-PR M12x125/50	M12	14 mm	80 Nm	19 mm	32 mm	210 mm	N	1x Undercut anchor HDA-PR M12/50 assy	8 pc	339348
HDA-PR M16x190/40	M16	18 mm	120 Nm	24 mm	45 mm	275 mm	R	1x Undercut anchor HDA-PR M16/40 assy	4 pc	339349
HDA-PR M16x190/60	M16	18 mm	120 Nm	24 mm	45 mm	295 mm	S	1x Undercut anchor HDA-PR M16/60 assy	4 pc	339350

Stop drill bit TE-C-HDA-B



Key applications and advantages

- Special drill bit required for drilling HDA anchor holes with defined drilling depth

Technical data

Dispenser, setting tool, accessory, tester type	Stop drill bits
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Ordering designation	Connection end	Sales pack quantity	Item number
TE-C-HDA-B 20x100	TE-C	1 pc	332089
TE-C-HDA-B 20x120	TE-C	1 pc	332090
TE-C-HDA-B 22x125	TE-C	1 pc	402050
TE-C-HDA-B 22x155	TE-C	1 pc	402056
TE-C-HDA-B 22x175	TE-C	1 pc	402060

Stop drill bit TE-Y-HDA-B



Key applications and advantages

- Drilling HDA anchor holes to a defined depth

Technical data

Dispenser, setting tool, accessory, tester type	Stop drill bits
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Ordering designation	Connection end	Sales pack quantity	Item number
TE-Y-HDA-B 30x190	TE-Y	1 pc	332097
TE-Y-HDA-B 30x230	TE-Y	1 pc	332098
TE-Y-HDA-B 30x250	TE-Y	1 pc	332099
TE-Y-HDA-B 37x250	TE-Y	1 pc	339270
TE-Y-HDA-B 37x300	TE-Y	1 pc	339271
TE-Y-HDA-B 37x350	TE-Y	1 pc	339272
TE-Y-HDA-B 22x175	TE-Y	1 pc	402062

Setting tool TE-C-HDA-ST



Key applications and advantages

- Required for the automatic self-undercutting operation with the HDA undercut anchor

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
TE-C-HDA-ST 20-M10	TE-C	1x Setting tool ST20 -M10/C	1 pc	331843
TE-C-HDA-ST22-M12	TE-C	1x Setting tool ST22-M12/C	1 pc	331844

Setting tool TE-Y-HDA-ST



Key applications and advantages

- Required for the automatic self-undercutting operation with the HDA undercut anchor

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
TE-Y-HDA-ST 37-M20	TE-Y	1x Setting tool HDA M20	1 pc	339269
TE-Y-HDA-ST 22-M12	TE-Y	1x Setting tool ST22-M12/Y	1 pc	287134
TE-Y-HDA ST 30-M16	TE-Y	1x Setting tool ST30-M16/Y	1 pc	331846

Grinding tool TE-C-HDA-GT



Key applications and advantages

- Manual undercutting tool for the installation of HDA undercut anchors in the event of hitting rebars

Technical data

Dispenser, setting tool, accessory, tester type	Undercut tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
HDA-GB 22		1x Cutting tool bit HDA M12	1 pc	333446
HDA-GB 30		1x Cutting tool bit HDA M16	1 pc	333447
TE-C-HDA-GT 22	TE-C		1 pc	333440
TE-C-HDA-GT 30	TE-C		1 pc	333441

Removal tool TE-C-HDA-RT



Key applications and advantages

- Removing HDA undercut anchors
- Easy and fast removal process
- Anchor will be completely removed, no steel part left in the concrete

Technical data

Dispenser, setting tool, accessory, tester type	Other accessories
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Ordering designation	Package contents	Sales pack quantity	Item number
TE-C-HDA-RT 22-M12	1x Disassembly tool HDA-M12	1 pc	333434
TE-C-HDA-RT 30-M16	1x Disassembly tool HDA-M16	1 pc	333435
TE-C-HDA-RT 37-M20	1x Disassembly tool HDA-M20	1 pc	339273

Ultimate-performance undercut anchor for shallow embedment (carbon steel) HSC-A



Key applications and advantages

- Safety-relevant, medium-duty fastenings in cracked or uncracked concrete, especially where shallow embedment and/or small edge distance or close spacing is required
- Examples: stair hand rails, sprinkler pipes, air ducts, seating, facade sub-structures, car park barriers, etc.
- Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
- Combines high working loads with small edge distances and close spacing thanks to very low expansion forces



Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, zinc-plated
Required inserts	TE-C-HSC-MW, TE-C-HSC-B



Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Length identification mark	Min. embedment depth	Package contents	Sales pack quantity	Item number
HSC-A M8x40/15	M8	9 mm	10 Nm	13 mm	72 mm	Two notches at end of anchor sleeve	40 mm	1x Safety anchor HSC-A M8*40/15 assy	25 pc	31139
HSC-A M8x50/15	M8	9 mm	10 Nm	13 mm	82 mm	No notch at end of anchor sleeve	50 mm	1x Safety anchor HSC-A M8*50/15 assy	25 pc	31141
HSC-A M10x40/20	M10	12 mm	20 Nm	17 mm	80 mm	Two notches at end of anchor sleeve	40 mm	1x Safety anchor HSC-A M10*40/20 assy	25 pc	31140
HSC-A M12x60/20	M12	14 mm	30 Nm	19 mm	104 mm	Three notches at end of anchor sleeve	60 mm	1x Safety anchor HSC-A M12*60/20 assy	20 pc	15507

Ultimate-performance undercut anchor for shallow embedment (stainless steel) HSC-AR



Key applications and advantages

- Safety-relevant, medium-duty fastenings in cracked or uncracked concrete and corrosive environments, especially where shallow embedment and/or small edge distance or close spacing is required
- Examples: stair hand rails, balcony safety railings, sprinkler pipes, air ducts, seating, facade substructures, car park barriers, etc.
- Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
- Combines high working loads with small edge distances and close spacing thanks to very low expansion forces

Technical data

Head configuration	Externally threaded
Environmental conditions	Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, stainless
Required inserts	TE-C-HSC-MW, TE-C-HSC-B



Ordering designation	Anchor size	Base plate clearance hole	Required tightening torque	Wrench size	Anchor length	Length identification mark	Min. embedment depth	Sales pack quantity	Item number
HSC-AR M8x40/15	M8	9 mm	10 Nm	13 mm	72 mm	Two notches at end of anchor sleeve	40 mm	25 pc	31148
HSC-AR M8x50/15	M8	9 mm	10 Nm	13 mm	82 mm	No notch at end of anchor sleeve	50 mm	25 pc	31150
HSC-AR M10x40/20	M10	12 mm	20 Nm	17 mm	80 mm	Two notches at end of anchor sleeve	40 mm	25 pc	31149
HSC-AR M12x60/20	M12	14 mm	30 Nm	19 mm	104 mm	Three notches at end of anchor sleeve	60 mm	20 pc	15506

Ultimate-performance internally threaded undercut anchor (carbon steel) HSC-I



Key applications and advantages

- Safety-relevant, medium-duty fastenings in cracked or uncracked concrete, especially where shallow embedment and/or small edge distance or close spacing is required
- Examples: stair hand rails, sprinkler pipes, air ducts, seating, facade substructures, car park barriers, etc.
- Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
- Combines high working loads with small edge distances and close spacing thanks to very low expansion forces

Technical data

Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, zinc-plated
Required inserts	TE-C-HSC-MW, TE-C-HSC-B



Ordering designation	Anchor size	Internal thread size	Thread engagement depth - max.	Thread engagement depth - min.	Base plate clearance hole	Required tightening torque	Wrench size	Package contents	Sales pack quantity	Item number
HSC-I M8x40	M8	8 mm	22 mm	8 mm	9 mm	10 Nm	13 mm	0.08x Setting tool HSC-EW 16	25 pc	31143
HSC-I M10x50	M10	10 mm	28 mm	10 mm	12 mm	20 Nm	17 mm	0.04x Setting tool HSC-EW 18	25 pc	31144
HSC-I M10x60	M10	10 mm	28 mm	10 mm	12 mm	20 Nm	17 mm	0.04x Setting tool HSC-EW 18	25 pc	31145
HSC-I M12x60	M12	12 mm	30 mm	12 mm	14 mm	30 Nm	19 mm	0.04x Setting tool HSC-EW 20	25 pc	31146

Ultimate-performance internally threaded undercut anchor (stainless steel) HSC-IR



Key applications and advantages

- Safety-relevant, medium-duty fastenings in cracked or uncracked concrete and corrosive environments, especially where shallow embedment and/or small edge distance or close spacing is required
- Examples: stair hand rails, balcony safety railings, sprinkler pipes, air ducts, seating, facade substructures, car park barriers, etc.
- Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
- Combines high working loads with small edge distances and close spacing thanks to very low expansion forces

Technical data

Head configuration	Inner thread
Environmental conditions	Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, stainless
Required inserts	TE-C-HSC-MW, TE-C-HSC-B



Ordering designation	Anchor size	Internal thread size	Thread engagement depth - max.	Thread engagement depth - min.	Base plate clearance hole	Required tightening torque	Wrench size	Package contents	Sales pack quantity	Item number
HSC-IR M6x40	M6	6 mm	16 mm	6 mm	7 mm	10 Nm	10 mm	0.08x Setting tool HSC-EW 14	25 pc	31151
HSC-IR M8x40	M8	8 mm	22 mm	8 mm	9 mm	10 Nm	13 mm	0.08x Setting tool HSC-EW 16	25 pc	31152
HSC-IR M10x50	M10	10 mm	28 mm	10 mm	12 mm	20 Nm	17 mm	0.04x Setting tool HSC-EW 18	25 pc	31153

Stop drill bit TE-C-HSC-B



Key applications and advantages

- Special drill bit required for drilling HSC anchor holes with defined drilling depth

Technical data

Dispenser, setting tool, accessory, tester type	Stop drill bits
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Ordering designation	Sales pack quantity	Item number
TE-C-HSC-B 16x40	1 pc	28568
TE-C-HSC-B 18x50	1 pc	30708
TE-C-HSC-B 18x60	1 pc	30709
TE-C-HSC-B 20x60	1 pc	30710
TE-C-HSC-B 14x40	1 pc	31157
TE-C-HSC-B 14x50	1 pc	31158

Setting tool (HSC) TE-C-HSC-MW



Key applications and advantages

- Setting tool required for the HSC safety anchor automatic self-undercutting operation

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
TE-C-HSC-MW14	TE-C	1x Setting tool TE-C-HSC MW14	1 pc	31169
TE-C-HSC-MW16	TE-C	1x Setting tool TE-C-HSC MW16	1 pc	11267
TE-C-HSC-MW18	TE-C	1x Setting tool TE-C-HSC MW18	1 pc	71352
TE-C-HSC-MW20	TE-C	1x Setting tool TE-C-HSC MW20	1 pc	71353

Standard undercut anchor for cracked concrete (hot-dip galvanized) HMU-PF



Key applications and advantages

- Medium- to heavy-duty fastenings in cracked or uncracked concrete
- Metro applications including overhead catenary systems, fire protection pipes and 3rd rail
- Reliable mechanical interlock thanks to consistent, high-quality undercut
- Comes as standard with a hot-dip galvanized coating for protection against corrosion



Technical data

Head configuration	Externally threaded
PROFIS software	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Material, corrosion	Steel, sherardised / hot-dip galvanised
Required inserts	TE-C-HMU-B, TE-Y-HMU-UC, HMU-ST

Ordering designation	Package contents	Sales pack quantity	Item number
HMU-PF M16x100/20/50	1x Undercut anchor HMU-PF M16x100/20/50 assy	12 pc	2036374
HMU-PF M16x100/20	1x Undercut anchor HMU-PF M16x100/20 assy	12 pc	2036373
HMU-PF M16x125/20/50	1x Undercut anchor HMU-PF M16x125/20/50 assy	12 pc	2036375

Stop drill bit (HMU) TE-C-HMU-B



Key applications and advantages

- Stop drill bit ensures consistent drilled hole depth for proper installation of HMU undercut anchors

Technical data

Dispenser, setting tool, accessory, tester type	Anchor testers and accessories, Stop drill bits
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Ordering designation	Package contents	Sales pack quantity	Item number
TE-C-HMU-B 22x100-M16	1x Stop drill bit HMU-B22,5x100 M16	1 pc	2069054
TE-C-HMU-B 22x125-M16	1x Stop drill bit HMU-B22,5x125 M16	1 pc	2069055
TE-C-HMU-B M12x80	1x Stop drill bit TE-C HMU-B 18x80-M12	1 pc	2084137

Setting tool (HMU) HMU-ST



Key applications and advantages

- Ensures fast and reliable setting of the HMU undercut anchor

Technical data	
Dispenser, setting tool, accessory, tester type	Anchor testers and accessories, Setting tools



Ordering designation	Connection end	Package contents	Sales pack quantity	Item number
HMU-ST M16	TE-C	1x Setting tool HMU-ST M16	1 pc	2036378

Undercut tool (HMU) TE-Y-HMU-UC



Key applications and advantages

- Produces consistent, high-quality undercuts

Technical data	
Dispenser, setting tool, accessory, tester type	Anchor testers and accessories, Undercut tools



Ordering designation	Package contents	Sales pack quantity	Item number
HMU-UC-CB 22-M16		1 pc	2036370
HMU-UC-CB 22-M16 DIA		1 pc	2036371
TE-C-HMU-UC 22-M16	1x Undercut tool TE-C HMU-UC 22,5	1 pc	2036249

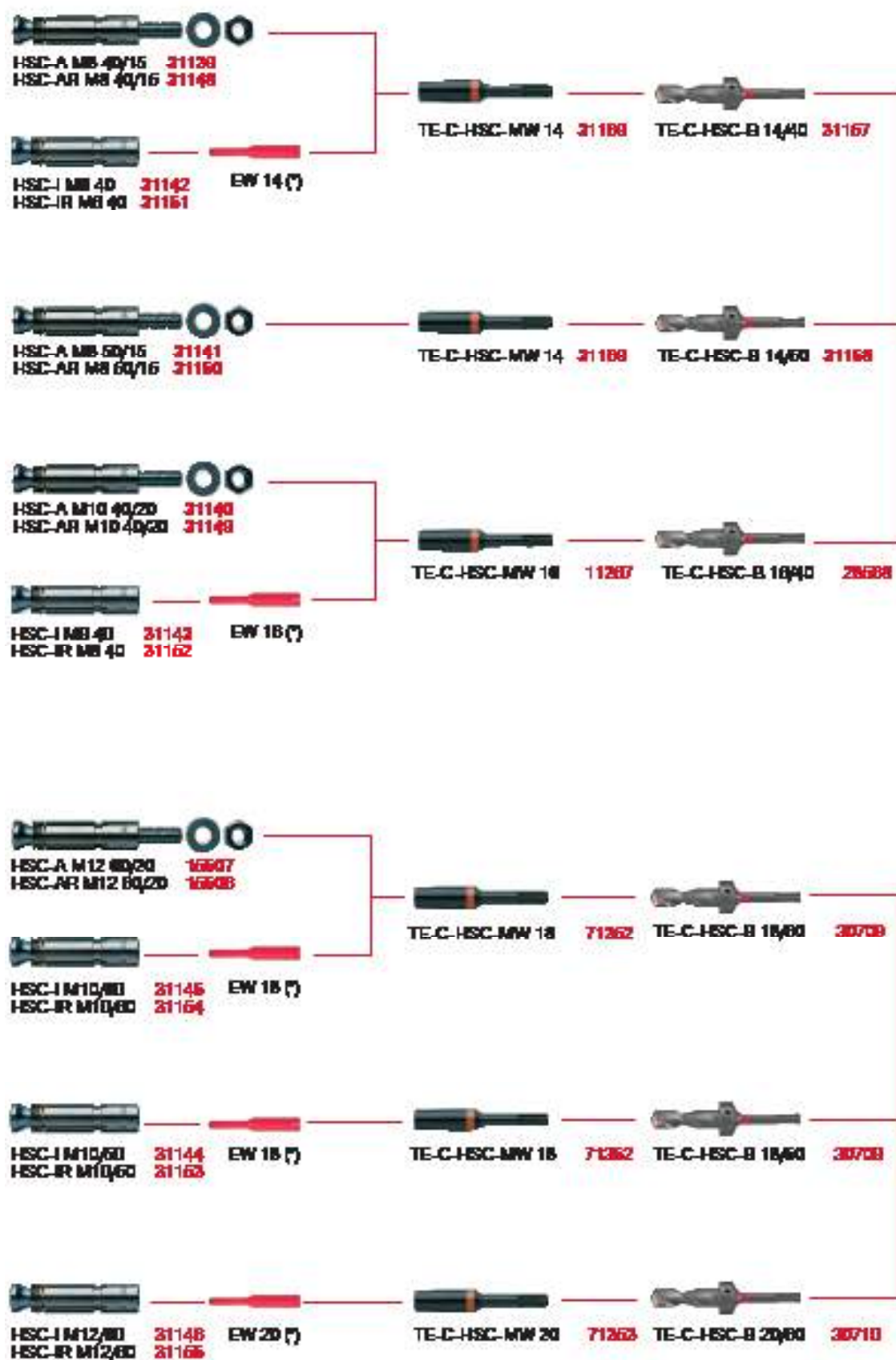
Anchors

Dynamic / filling set for anchors with seismic and fatigue approval (CS) HDA/HVZ

Ordering designation	Outer ring bolt diameter	Package contents	Sales pack quantity	Item number
M10	42 mm	0.5x Hexagon nut M10	2 pc	369201
M16	52 mm	0.5x Hexagon nut M16	2 pc	369203
M20	60 mm	0.5x Hexagon nut M20	2 pc	369204



Setting tools for HSC anchors



(*) Included with HSC-I anchors

Ultimate-performance heavy-duty expansion anchor (CS + hex head) HSL-3



Key applications and advantages

- Heavy-duty fastenings in high safety-relevant or dynamic applications, including applications in nuclear power plants
- Applications where extensive approval back-up or technical back-up is required, e.g. machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.
- Heavy-duty applications, e.g. machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.
- High tension and shear load capacities
- Force-controlled expansion which allows follow-up expansion

Technical data

Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	Yes, with DD-EC 1
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench size	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HSL-3 M8/5	M8	83 mm	14 mm	25 Nm	13 mm	5 mm	80 mm	1x Heavy-duty anchor HSL-3 M 8/5 assy	40 pc	371774
HSL-3 M8/20	M8	98 mm	14 mm	25 Nm	13 mm	20 mm	80 mm	1x Heavy-duty anchor HSL-3 M 8/20 assy	40 pc	371775
HSL-3 M8/40	M8	118 mm	14 mm	25 Nm	13 mm	40 mm	80 mm	1x Heavy-duty anchor HSL-3 M 8/40 assy	40 pc	371776
HSL-3 M10/5	M10	95 mm	17 mm	50 Nm	17 mm	5 mm	90 mm	1x Heavy-duty anchor HSL-3 M 10/5 assy	20 pc	371777
HSL-3 M10/20	M10	110 mm	17 mm	50 Nm	17 mm	20 mm	90 mm	1x Heavy-duty anchor HSL-3 M 10/20 assy	20 pc	371778
HSL-3 M10/40	M10	130 mm	17 mm	50 Nm	17 mm	40 mm	90 mm	1x Heavy-duty anchor HSL-3 M 10/40 assy	20 pc	371779
HSL-3 M12/5	M12	111 mm	20 mm	80 Nm	19 mm	5 mm	105 mm	1x Heavy-duty anchor HSL-3 M 12/5 assy	20 pc	371780
HSL-3 M12/25	M12	131 mm	20 mm	80 Nm	19 mm	25 mm	105 mm	1x Heavy-duty anchor HSL-3 M 12/25 assy	20 pc	371781
HSL-3 M12/50	M12	156 mm	20 mm	80 Nm	19 mm	50 mm	105 mm	1x Heavy-duty anchor HSL-3 M 12/50 assy	10 pc	371782
HSL-3 M16/10	M16	138 mm	26 mm	120 Nm	24 mm	10 mm	125 mm	1x Heavy-duty anchor HSL-3 M 16/10 assy	10 pc	371783
HSL-3 M16/25	M16	153 mm	26 mm	120 Nm	24 mm	25 mm	125 mm	1x Heavy-duty anchor HSL-3 M 16/25 assy	10 pc	371784
HSL-3 M16/50	M16	178 mm	26 mm	120 Nm	24 mm	50 mm	125 mm	1x Heavy-duty anchor HSL-3 M 16/50 assy	10 pc	371785
HSL-3 M20/10	M20	163 mm	31 mm	200 Nm	30 mm	10 mm	155 mm	1x Heavy-duty anchor HSL-3 M 20/10 assy	6 pc	371786
HSL-3 M20/30	M20	183 mm	31 mm	200 Nm	30 mm	30 mm	155 mm	1x Heavy-duty anchor HSL-3 M 20/30 assy	6 pc	371787
HSL-3 M20/60	M20	213 mm	31 mm	200 Nm	30 mm	60 mm	155 mm	1x Heavy-duty anchor HSL-3 M 20/60 assy	6 pc	371788
HSL-3 M24/10	M24	185 mm	35 mm	250 Nm	36 mm	10 mm	180 mm	1x Heavy-duty anchor HSL-3 M 24/10 assy	4 pc	371789
HSL-3 M24/30	M24	205 mm	35 mm	250 Nm	36 mm	30 mm	180 mm	1x Heavy-duty anchor HSL-3 M 24/30 assy	4 pc	371790
HSL-3 M24/60	M24	235 mm	35 mm	250 Nm	36 mm	60 mm	180 mm	1x Heavy-duty anchor HSL-3 M 24/60 assy	4 pc	371791

Ultimate-performance heavy-duty expansion stud anchor (CS + ext. thread) HSL-3-G



Key applications and advantages

- Heavy-duty fastenings in highly safety-relevant or dynamic applications, including applications in nuclear power plants
- Applications where extensive approval back-up or technical back-up is required, e.g. machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.
- High tensile and shear load capacity
- Force-controlled expansion allows follow-up expansion

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	Yes, with DD-EC 1
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Manufactured under a nuclear quality assurance program according to ASME NQA-1 and 10CFR50 App. B
Material, corrosion	Steel, zinc-plated



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench size	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HSL-3-G M8/20	M8	102 mm	14 mm	20 Nm	13 mm	20 mm	80 mm	1x Heavy-duty anchor HSL-3-G M 8/20 assy	40 pc	371793
HSL-3-G M8/40	M8	122 mm	14 mm	20 Nm	13 mm	40 mm	80 mm	1x Heavy-duty anchor HSL-3-G M 8/40 assy	40 pc	371794
HSL-3-G M8/100	M8	182 mm	14 mm	20 Nm	13 mm	100 mm	80 mm	1x Heavy-duty anchor HSL-3-G M 8/100 assy	20 pc	371829
HSL-3-G M10/5	M10	100 mm	17 mm	35 Nm	17 mm	5 mm	90 mm	1x Heavy-duty anchor HSL-3-G M 10/5 assy	20 pc	371795
HSL-3-G M10/20	M10	115 mm	17 mm	35 Nm	17 mm	20 mm	90 mm	1x Heavy-duty anchor HSL-3-G M 10/20 assy	20 pc	371796
HSL-3-G M10/40	M10	135 mm	17 mm	35 Nm	17 mm	40 mm	90 mm	1x Heavy-duty anchor HSL-3-G M 10/40 assy	20 pc	371797
HSL-3-G M10/100	M10	195 mm	17 mm	35 Nm	17 mm	100 mm	90 mm	1x Heavy-duty anchor HSL-3-G M 10/100 assy	20 pc	371830
HSL-3-G M12/5	M12	119 mm	20 mm	60 Nm	19 mm	5 mm	105 mm	1x Heavy-duty anchor HSL-3-G M 12/5 assy	20 pc	371798
HSL-3-G M12/25	M12	139 mm	20 mm	60 Nm	19 mm	25 mm	105 mm	1x Heavy-duty anchor HSL-3-G M 12/25 assy	20 pc	371799
HSL-3-G M12/50	M12	164 mm	20 mm	60 Nm	19 mm	50 mm	105 mm	1x Heavy-duty anchor HSL-3-G M 12/50 assy	10 pc	371800
HSL-3-G M16/10	M16	148 mm	26 mm	80 Nm	24 mm	10 mm	125 mm	1x Heavy-duty anchor HSL-3-G M 16/10 assy	10 pc	371801
HSL-3-G M16/25	M16	163 mm	26 mm	80 Nm	24 mm	25 mm	125 mm	1x Heavy-duty anchor HSL-3-G M 16/25 assy	10 pc	371802
HSL-3-G M16/50	M16	188 mm	26 mm	80 Nm	24 mm	50 mm	125 mm	1x Heavy-duty anchor HSL-3-G M 16/50 assy	10 pc	371803
HSL-3-G M16/100	M16	238 mm	26 mm	80 Nm	24 mm	100 mm	125 mm	1x Heavy-duty anchor HSL-3-G M 16/100 assy	10 pc	371832
HSL-3-G M20/10	M20	170 mm	31 mm	160 Nm	30 mm	10 mm	155 mm	1x Heavy-duty anchor HSL-3-G M 20/10 assy	6 pc	371804
HSL-3-G M20/30	M20	190 mm	31 mm	160 Nm	30 mm	30 mm	155 mm	1x Heavy-duty anchor HSL-3-G M 20/30 assy	6 pc	371805
HSL-3-G M20/60	M20	220 mm	31 mm	160 Nm	30 mm	60 mm	155 mm	1x Heavy-duty anchor HSL-3-G M 20/60 assy	6 pc	371806
HSL-3-G M20/100	M20	260 mm	31 mm	160 Nm	30 mm	100 mm	155 mm	1x Heavy-duty anchor HSL-3-G M 20/100 assy	6 pc	371833

Ultimate-performance heavy-duty expansion anchor (A4 SS) HSL-GR



Key applications and advantages

- Heavy-duty fastenings in safety-relevant applications and corrosive environments, e.g. pumps, heavy equipment, antennas, heavy pipe supports, medical equipment, etc.
- High tensile and shear load capacity
- Force-controlled expansion



Technical data

Head configuration	Externally threaded
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A4 (SS316)
PROFIS software	Yes
Material, corrosion	Steel, stainless

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench size	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HSLGR M8/20	M8	102 mm	14 mm	25 Nm	13 mm	20 mm	80 mm	1x Heavy-duty anchor HSL-GR M8/20 assy	40 pc	67920
HSLGR M10/20	M10	115 mm	17 mm	50 Nm	17 mm	20 mm	90 mm	1x Heavy-duty anchor HSL-G-R M10/20 assy	20 pc	67922
HSLGR M12/25	M12	139 mm	20 mm	80 Nm	19 mm	25 mm	100 mm	1x Heavy-duty anchor HSL-G-R M12/25 assy	20 pc	67924
HSLGR M16/25	M16	163 mm	26 mm	120 Nm	24 mm	25 mm	125 mm	1x Heavy-duty anchor HSL-GR M16/25 assy	10 pc	67926
HSLGR M20/30	M20	190 mm	31 mm	200 Nm	30 mm	30 mm	155 mm	1x Heavy-duty anchor HSL-G-R M20/30 assy	6 pc	67928

Ultimate-performance heavy-duty expansion anchor (CS + countersunk) HSL-3-SK



Key applications and advantages

- Fastenings in safety-relevant and/or dynamic applications where a flush installation or aesthetic appearance is required, including applications in nuclear power plants
- Applications where extensive approval back-up or technical back-up is required
- Various uses such as for medical equipment, hand rails, machines, car hoists, safety fences, pumps, etc.
- Aesthetic appearance and no tripping hazard due to flush installation
- High tensile and shear load capacity, force-controlled expansion allows follow-up expansion



Technical data

Head configuration	Countersunk
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	Yes
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Additional product information	Manufactured under a nuclear quality assurance program according to ASME NQA-1-2000 and 10CFR50 App. B
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Socket size	Min. embedment depth	Standard embedment depth	Package contents	Sales pack quantity	Item number
HSL-3-SK M8/10	M8	80 mm	14 mm	25 Nm	5 mm	60 mm	60 mm	1x Heavy-duty anchor HSL-3-SK M8/10 assy	40 pc	371825
HSL-3-SK M8/20	M8	90 mm	14 mm	25 Nm	5 mm	60 mm	60 mm	1x Heavy-duty anchor HSL-3-SK M8/20 assy	40 pc	371826
HSL-3-SK M10/20	M10	102 mm	17 mm	50 Nm	6 mm	70 mm	70 mm	1x Heavy-duty anchor HSL-3-SK M10/20 assy	20 pc	371827
HSL-3-SK M12/25	M12	120 mm	20 mm	80 Nm	8 mm	80 mm	80 mm	1x Heavy-duty anchor HSL-3-SK M12/25 assy	20 pc	371828

Ultimate-performance expansion anchor HST3

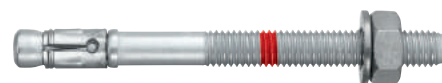


Key applications and advantages

- All safety-relevant fastenings in cracked and uncracked concrete
- All safety-relevant fastenings in seismic loading conditions, category C1 for non-structural elements and category C2 for structural elements
- Structural steel
- Highest resistance to meet geometrically challenging requirements, e.g. reduced member thickness, smallest spacing and edge distances
- Increased undercut percentage in combination with optimized coating



Technical data	
Head configuration	Externally threaded
Material composition	Steel, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	Yes, with DD-EC1 and DD 30-W
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, zinc-plated
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ
Installation tools	DD EC-1, TE 30-C-AVR



Approvals

	FM approval for HST3 metal expansion anchor
ETA, Seismic	ETA 98/0001 HST3 metal expansion anchor

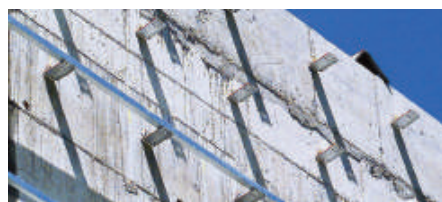
Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/ nut size	Socket size	Wrench size	Package contents	Sales pack quantity	Item number
HST3 M8x75 -/10	M8	75 mm	9 mm	20 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HST3 M8x75 -/10 assy	100 pc	2105888
HST3 M8x95 -/30	M8	95 mm	9 mm	20 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HST3 M8x95 -/30 assy	80 pc	2105889
HST3 M8x115 -/50	M8	115 mm	9 mm	20 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HST3 M8x115 -/50 assy	50 pc	2105890
HST3 M10x70 10/-	M10	70 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x70 10/- assy	50 pc	2113974
HST3 M10x80 20/-	M10	80 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x80 20/- assy	50 pc	2113975
HST3 M10x90 30/10	M10	90 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x90 30/10 assy	50 pc	2105712
HST3 M10x100 40/20	M10	100 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x100 40/20 assy	50 pc	2105713
HST3 M10x110 50/30	M10	110 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x110 50/30 assy	40 pc	2105714
HST3 M10x130 70/50	M10	130 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x130 70/50 assy	25 pc	2105715
HST3 M10x160 100/80	M10	160 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x160 100/80 assy	25 pc	2105716
HST3 M10x200 140/120	M10	200 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3 M10x200 140/120 assy	25 pc	2105717
HST3 M12x85 10/-	M12	85 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2113978
HST3 M12x95 20/-	M12	95 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2113979
HST3 M12x105 30/10	M12	105 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105718
HST3 M12x115 40/20	M12	115 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3 M12x115 40/20 assy	25 pc	2105719
HST3 M12x125 50/30	M12	125 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105850
HST3 M12x145 70/50	M12	145 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3 M12x145 70/50 assy	25 pc	2105851
HST3 M12x165 90/70	M12	165 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105852
HST3 M12x185 110/90	M12	185 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105853
HST3 M12x215 140/120	M12	215 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105854
HST3 M12x235 160/140	M12	235 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105855
HST3 M12x255 180/160	M12	255 mm	14 mm	60 Nm	19 mm	19 mm	19 mm		25 pc	2105856

HST3 M12x295 220/200	M12	295 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3 M12x295 220/200 assy	25 pc	2105857
HST3 M16x135 35/15	M16	135 mm	18 mm	110 Nm	24 mm	24 mm	24 mm		12 pc	2105858
HST3 M16x145 45/25	M16	145 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3 M16x145 45/25 assy	12 pc	2105859
HST3 M16x170 70/50	M16	170 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3 M16x170 70/50 assy	12 pc	2105860
HST3 M16x220 120/100	M16	220 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3 M16x220 120/100 assy	12 pc	2105861
HST3 M16x260 160/140	M16	260 mm	18 mm	110 Nm	24 mm	24 mm	24 mm		12 pc	2105862
HST3 M16x300 200/180	M16	300 mm	18 mm	110 Nm	24 mm	24 mm	24 mm		12 pc	2105863
HST3 M20x170 -/30	M20	170 mm	22 mm	240 Nm	30 mm	30 mm	30 mm	1x Std stud anchor HST3 M20x170/30 assy	5 pc	2105891
HST3 M20x200 -/60	M20	200 mm	22 mm	240 Nm	30 mm	30 mm	30 mm	1x Std stud anchor HST3 M20x200/60 assy	5 pc	2105892
HST3 M20x260 -/120	M20	260 mm	22 mm	240 Nm	30 mm	30 mm	30 mm	1x Std stud anchor HST3 M20x260/120 assy	5 pc	2105893
HST3 M24x200 -/30	M24	200 mm	26 mm	300 Nm	36 mm	36 mm	36 mm	1x Std stud anchor HST3 M24x200 -/30	5 pc	2105894
HST3 M24x230 -/60	M24	230 mm	26 mm	300 Nm	36 mm	36 mm	36 mm	1x Std stud anchor HST3 M24x230 -/60	5 pc	2105895

Ultimate-performance expansion anchor (A4 SS) HST3-R



Key applications and advantages

- Particularly suited to safety-relevant applications in corrosive environments
- All safety-relevant fastenings in seismic loading conditions, category C1 for non-structural elements and category C2 for structural elements
- All safety-relevant fastenings in cracked and uncracked concrete
- Highest resistance to meet geometrically challenging requirements, e.g. reduced member thickness, smallest spacing and edge distances
- Increased undercut percentage in combination with optimized coating

Technical data

Head configuration	Externally threaded
Material composition	Steel, A4 (SS316)
Tested/approved for diamond drilling	Yes, with DD-EC1 and DD 30-W
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, stainless
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ
Installation tools	DD EC-1, TE 30-C-AVR



Approvals

	FM approval for HST3 metal expansion anchor
ETA, Seismic	ETA 98/0001 for HST stud anchor (ETAG 001-02, Option 1)
	ETA 98/0001 HST3 metal expansion anchor

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/nut size	Socket size	Wrench size	Package contents	Sales pack quantity	Item number
HST3-R M8x75 -/10	M8	75 mm	9 mm	20 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HST3-R M8x75 -/10 assy	50 pc	2105896
HST3-R M8x95 -/30	M8	95 mm	9 mm	20 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HST3-R M8x95 -/30 assy	50 pc	2105897
HST3-R M8x115 -/50	M8	115 mm	9 mm	20 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HST3-R M8x115 -/50 assy	50 pc	2105898

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/nut size	Socket size	Wrench size	Package contents	Sales pack quantity	Item number
HST3-R M10x70 10/-	M10	70 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x70 10/- assy	50 pc	2113976
HST3-R M10x80 20/-	M10	80 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x80 20/- assy	50 pc	2113977
HST3-R M10x90 30/10	M10	90 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x90 30/10 assy	50 pc	2105864
HST3-R M10x100 40/20	M10	100 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x100 40/20 assy	50 pc	2105865
HST3-R M10x110 50/30	M10	110 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x110 50/30 assy	40 pc	2105866
HST3-R M10x130 70/50	M10	130 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x130 70/50 assy	25 pc	2105867
HST3-R M10x160 100/80	M10	160 mm	12 mm	45 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HST3-R M10x160 100/80 assy	25 pc	2105868
HST3-R M12x85 10/-	M12	85 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x85 10/- assy	25 pc	2114051
HST3-R M12x95 20/-	M12	95 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x95 20/- assy	25 pc	2114052
HST3-R M12x105 30/10	M12	105 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x105 30/10 assy	25 pc	2105869
HST3-R M12x115 40/20	M12	115 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x115 40/20 assy	25 pc	2105870
HST3-R M12x125 50/30	M12	125 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x125 50/30 assy	25 pc	2105871
HST3-R M12x145 70/50	M12	145 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x145 70/50 assy	25 pc	2105872
HST3-R M12x165 90/70	M12	165 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x165 90/70 assy	25 pc	2105873
HST3-R M12x185 110/90	M12	185 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x185 110/90 assy	25 pc	2105874
HST3-R M12x215 140/120	M12	215 mm	14 mm	60 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HST3-R M12x215 140/120 assy	25 pc	2105875
HST3-R M16x115 15/-	M16	115 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x115 15/- assy	12 pc	2114057
HST3-R M16x135 35/15	M16	135 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x135 35/15 assy	12 pc	2105876
HST3-R M16x145 45/25	M16	145 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x145 45/25 assy	12 pc	2105877
HST3-R M16x170 70/50	M16	170 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x170 70/50 assy	12 pc	2105878
HST3-R M16x220 120/100	M16	220 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x220 120/100 assy	12 pc	2105879
HST3-R M16x260 160/140	M16	260 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x260 160/140 assy	12 pc	2105880
HST3-R M16x300 200/180	M16	300 mm	18 mm	110 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HST3-R M16x300 200/180 assy	12 pc	2105881
HST3-R M20x170 -/30	M20	170 mm	22 mm	240 Nm	30 mm	30 mm	30 mm	1x Std stud anchor HST3-R M20x170/30 assy	5 pc	2105899
HST3-R M20x200 -/60	M20	200 mm	22 mm	240 Nm	30 mm	30 mm	30 mm	1x Std stud anchor HST3-R M20x200/60 assy	5 pc	2105900
HST3-R M24x200 -/30	M24	200 mm	26 mm	300 Nm	36 mm	36 mm	36 mm	1x Std stud anchor HST3-R M24x200 -/30	5 pc	2105901
HST3-R M24x230 -/60	M24	230 mm	26 mm	300 Nm	36 mm	36 mm	36 mm	1x Std stud anchor HST3-R M24x230 -/60	5 pc	2105902

Torque bar S-TB



Key applications and advantages

- For setting HSA stud anchors with maximum accuracy and productivity
- Reliable ETA approved system using SIW 14-A, 22-A or 22T-A impact wrench
- No more over or undertorquing of HSA stud anchors

Technical data

Base material	Concrete (uncracked)
Connection end size	12.7 mm
Drive connection	1/2 in square, female
Drive head	1/2 in, square, male
Material coating/plating/finish	Black
Material composition	Impact-grade chrome molybdenum steel
Tool type	Impact tools, SIW

Ordering designation	Weight	Sales pack quantity	Item number
S-TB HSA M8	0.11 kg	1 pc	423774
S-TB HSA M10	0.12 kg	1 pc	423775
S-TB HSA M12	0.12 kg	1 pc	423776
S-TB HSA M16	0.13 kg	1 pc	423777

Standard stud anchor HSA



Key applications and advantages

- Fastening facade brackets
- Fastening columns and beams
- Fastening brackets and channels
- High loads due to concrete cone failure
- 3 embedment depths for maximum flexibility

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Tested/approved for diamond drilling	Yes
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, zinc-plated
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ



Approvals

ETA	ETA 11/0374 for HSA stud anchor (ETAG 001-02, Option 7)
Fire resistance	MPA/IBMB 3215/229/12 for HSA stud anchor

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Socket size	Wrench size	Thread length	Package contents	Sales pack quantity	Item number
HSA M6x50 5/-/-	M6	50 mm	7 mm	5 Nm	10 mm	10 mm	15 mm	1x Std stud anchor HSA M6 5/-/- assy	200 pc	2036084
HSA M6x65 20/10/-	M6	65 mm	7 mm	5 Nm	10 mm	10 mm	30 mm	1x Std stud anchor HSA M6 20/10/- assy	200 pc	2036085
HSA M6 x 85 40/30/10	M6	85 mm	7 mm	5 Nm	10 mm	10 mm	50 mm	1x Std stud anchor HSA M6 40/30/10 assy	100 pc	2036086

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Socket size	Wrench size	Thread length	Package contents	Sales pack quantity	Item number
HSA M6x100 55/45/25	M6	100 mm	7 mm	5 Nm	10 mm	10 mm	65 mm	1x Std stud anchor HSA M6 55/45/25 assy	100 pc	2036087
HSA M8x55 5/-/-	M8	55 mm	9 mm	15 Nm	13 mm	13 mm	17 mm	1x Std stud anchor HSA M8 5/-/- assy	100 pc	2004122
HSA M8x70 20/10/-	M8	70 mm	9 mm	15 Nm	13 mm	13 mm	32 mm	1x Std stud anchor HSA M8 20/10/- assy	100 pc	2004123
HSA M8x85 35/25/-	M8	85 mm	9 mm	15 Nm	13 mm	13 mm	47 mm	1x Std stud anchor HSA M8 35/25/- assy	80 pc	2004124
HSA M8x105 55/45/15	M8	105 mm	9 mm	15 Nm	13 mm	13 mm	67 mm	1x Std stud anchor HSA M8 55/45/15 assy	50 pc	2004125
HSA M8x130 80/70/40	M8	130 mm	9 mm	15 Nm	13 mm	13 mm	92 mm	1x Std stud anchor HSA M8 80/70/40 assy	50 pc	2004126
HSA M10x68 5/-/-	M10	68 mm	12 mm	25 Nm	17 mm	17 mm	19 mm	1x Std stud anchor HSA M10 5/-/- assy	50 pc	2004127
HSA M10x83 20/10/-	M10	83 mm	12 mm	25 Nm	17 mm	17 mm	34 mm	1x Std stud anchor HSA M10 20/10/- assy	50 pc	2004128
HSA M10x98 35/25/-	M10	98 mm	12 mm	25 Nm	17 mm	17 mm	49 mm	1x Std stud anchor HSA M10 35/25/- assy	40 pc	2004129
HSA M10x113 50/40/10	M10	113 mm	12 mm	25 Nm	17 mm	17 mm	64 mm	1x Std stud anchor HSA M10 50/40/10 assy	40 pc	2004150
HSA M10x133 70/60/30	M10	133 mm	12 mm	25 Nm	17 mm	17 mm	81 mm	1x Std stud anchor HSA M10 70/60/30 assy	25 pc	2004151
HSA M10x153 90/80/50	M10	153 mm	12 mm	25 Nm	17 mm	17 mm	101 mm	1x Std stud anchor HSA M10 90/80/50 assy	25 pc	2004152
HSA M10x168 105/95/65	M10	168 mm	12 mm	25 Nm	17 mm	17 mm	116 mm	1x Std stud anchor HSA M10 105/95/65 assy	25 pc	2004153
HSA M12x85 5/-/-	M12	85 mm	14 mm	50 Nm	19 mm	19 mm	22 mm	1x Std stud anchor HSA M12 5/-/- assy	25 pc	2004154
HSA M12x100 20/5/-	M12	100 mm	14 mm	50 Nm	19 mm	19 mm	37 mm	1x Std stud anchor HSA M12 20/5/- assy	25 pc	2004155
HSA M12x115 35/20/-	M12	115 mm	14 mm	50 Nm	19 mm	19 mm	52 mm	1x Std stud anchor HSA M12 35/20/- assy	25 pc	2004156
HSA M12x145 65/50/15	M12	145 mm	14 mm	50 Nm	19 mm	19 mm	82 mm	1x Std stud anchor HSA M12 65/50/15 assy	25 pc	2004157
HSA M12x175 95/80/45	M12	175 mm	14 mm	50 Nm	19 mm	19 mm	112 mm	1x Std stud anchor HSA M12 95/80/45 assy	25 pc	2004158
HSA M12x205 125/110/75	M12	205 mm	14 mm	50 Nm	19 mm	19 mm	142 mm	1x Std stud anchor HSA M12 125/110/75 assy	25 pc	2004159
HSA M12x225 145/130/95	M12	225 mm	14 mm	50 Nm	19 mm	19 mm	162 mm	1x Std stud anchor HSA M12 145/130/95 assy	25 pc	2004160
HSA M16x102 5/-/-	M16	102 mm	18 mm	80 Nm	24 mm	24 mm	26 mm	1x Std stud anchor HSA M16 5/-/- assy	16 pc	2004161
HSA M16x117 20/5/-	M16	117 mm	18 mm	80 Nm	24 mm	24 mm	41 mm	1x Std stud anchor HSA M16 20/5/- assy	16 pc	2004162
HSA M16x137 40/25/-	M16	137 mm	18 mm	80 Nm	24 mm	24 mm	61 mm	1x Std stud anchor HSA M16 40/25/- assy	16 pc	2004163
HSA M16x182 85/70/30	M16	182 mm	18 mm	80 Nm	24 mm	24 mm	106 mm	1x Std stud anchor HSA M16 85/70/30 assy	16 pc	2004164
HSA M16x232 135/120/80	M16	232 mm	18 mm	80 Nm	24 mm	24 mm	156 mm	1x Std stud anchor HSA M16 135/120/80 assy	16 pc	2004165
HSA M20x125 10/-/-	M20	125 mm	22 mm	200 Nm	30 mm	30 mm	36 mm	1x Std stud anchor HSA M20 10/-/- assy	10 pc	2036088
HSA M20x170 55/30/15	M20	170 mm	22 mm	200 Nm	30 mm	30 mm	81 mm	1x Std stud anchor HSA M20 55/30/15 assy	10 pc	2036089

Standard metal expansion anchor (CS + big washer) HSA-BW



Key applications and advantages

- Wide range of fastening applications in concrete
- Especially when fastening through slotted or oversized holes
- Fastening brackets and channels
- High loads (optimal utilization of the concrete strength)
- Excellent edge and spacing distances



Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Tested/approved for diamond drilling	Yes
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, zinc-plated
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/nut size	Socket size	Wrench size	Package contents	Sales pack quantity	Item number
HSA M8x55 5/-/- BW	M8	55 mm	9 mm	15 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HSA M8 5/-/- BW assy	100 pc	2004223
HSA M8x70 20/10/- BW	M8	70 mm	9 mm	15 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HSA M8 20/10/- BW assy	100 pc	2004224
HSA M10x68 5/-/- BW	M10	68 mm	12 mm	30 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HSA M10 5/-/- BW assy	25 pc	2004225
HSA M10x83 20/10/- BW	M10	83 mm	12 mm	30 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HSA M10 20/10/- BW assy	25 pc	2004226
HSA M12x85 5/-/- BW	M12	85 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSA M12 5/-/- BW assy	20 pc	2004227
HSA M12x100 20/5/- BW	M12	100 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSA M12 20/5/- BW assy	16 pc	2004228
HSA M16x102 5/-/- BW	M16	102 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSA M16 5/-/- BW assy	12 pc	2004229
HSA M16x117 20/5/- BW	M16	117 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSA M16 20/5/- BW assy	12 pc	2004230
HSA M16x137 40/25/- BW	M16	137 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSA M16 40/25/- BW assy	12 pc	2004231

Standard expansion anchor for uncracked concrete (hot-dip galvanized) HSA-F



Key applications and advantages

- Fastening brackets and channels
- Fastening columns and beams
- Wide range of fastening applications in concrete
- Fast, convenient and reliable torquing using SIW 14-A or 22-A impact wrench with S-TB
- Suitable for presetting and through-fastening in uncracked concrete



Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, hot-dip galvanized (min. 35 µm)
Installation direction	All
Tested/approved for diamond drilling	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanized
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Socket size	Thread length	Length identification mark	Package contents	Sales pack quantity	Item number
HSA-F M6x50 5/-/-	M6	50 mm	7 mm	5 Nm	10 mm	15 mm	z	1x Std stud anchor HSA-F M6 5/-/-	200 pc	2036310
HSA-F M8x55 5/-/-	M8	55 mm	9 mm	15 Nm	13 mm	17 mm	z	1x Std stud anchor HSA-F M8 5/-/- assy	100 pc	2004113
HSA-F M8x70 20/10/-	M8	70 mm	9 mm	15 Nm	13 mm	32 mm	w	1x Std stud anchor HSA-F M8 20/10/- assy	100 pc	2004114
HSA-F M8x85 35/25/-	M8	85 mm	9 mm	15 Nm	13 mm	47 mm	t	1x Std stud anchor HSA-F M8 35/25/- assy	80 pc	2004115
HSA-F M8x105 55/45/15	M8	105 mm	9 mm	15 Nm	13 mm	67 mm	p	1x Std stud anchor HSA-F M8 55/45/15 assy	50 pc	2004116
HSA-F M8x130 80/70/40	M8	130 mm	9 mm	15 Nm	13 mm	92 mm	k	1x Std stud anchor HSA-F M8 80/70/40 assy	50 pc	2004117
HSA-F M10x68 5/-/-	M10	68 mm	12 mm	25 Nm	17 mm	19 mm	z	1x Std stud anchor HSA-F M10 5/-/- assy	50 pc	2004118
HSA-F M10x83 20/10/-	M10	83 mm	12 mm	25 Nm	17 mm	34 mm	w	1x Std stud anchor HSA-F M10 20/10/- assy	50 pc	2004119
HSA-F M10x98 35/25/-	M10	98 mm	12 mm	25 Nm	17 mm	49 mm	t	1x Std stud anchor HSA-F M10 35/25/- assy	40 pc	2004170
HSA-F M10x113 50/40/10	M10	113 mm	12 mm	25 Nm	17 mm	64 mm	q	1x Std stud anchor HSA-F M10 50/40/10 assy	40 pc	2004171
HSA-F M12x85 5/-/-	M12	85 mm	14 mm	50 Nm	19 mm	22 mm	z	1x Std stud anchor HSA-F M12 5/-/- assy	25 pc	2004172
HSA-F M12x100 20/5/-	M12	100 mm	14 mm	50 Nm	19 mm	37 mm	w	1x Std stud anchor HSA-F M12 20/5/- assy	25 pc	2004173
HSA-F M12x115 35/20/-	M12	115 mm	14 mm	50 Nm	19 mm	52 mm	t	1x Std stud anchor HSA-F M12 35/20/- assy	25 pc	2004174
HSA-F M12x145 65/50/15	M12	145 mm	14 mm	50 Nm	19 mm	82 mm	n	1x Std stud anchor HSA-F M12 65/50/15 assy	25 pc	2004175
HSA-F M12x225 145/130/95	M12	225 mm	14 mm	50 Nm	19 mm	162 mm	a	1x Std stud anchor HSA-F M12 145/130/95 assy	25 pc	2004176
HSA-F M16x102 5/-/-	M16	102 mm	18 mm	80 Nm	24 mm	26 mm	z	1x Std stud anchor HSA-F M16 5/-/- assy	16 pc	2004177
HSA-F M16x137 40/25/-	M16	137 mm	18 mm	80 Nm	24 mm	61 mm	s	1x Std stud anchor HSA-F M16 40/25/- assy	16 pc	2004178
HSA-F M16x182 85/70/30	M16	182 mm	18 mm	80 Nm	24 mm	106 mm	J	1x Std stud anchor HSA-F M16 85/70/30 assy	16 pc	2004179
HSA-F M20x125 10/-/-	M20	125 mm	22 mm	200 Nm	24 mm	36 mm	y	1x Std stud anchor HSA-F M20 10/-/- assy	10 pc	2036312
HSA-F M20x170 55/30/15	M20	170 mm	22 mm	200 Nm	24 mm	81 mm	p	1x Std stud anchor HSA-F M20 55/30/15 assy	10 pc	2036313

Standard stud anchor HSA-R



Key applications and advantages

- Fastening facade brackets
- Fastening columns and beams
- Fastening brackets and channels
- High loads (optimal utilization of the concrete strength)
- 3 embedment depths offering maximum flexibility



Technical data

Head configuration	Externally threaded
Environmental conditions	Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
Tested/approved for diamond drilling	Yes
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, stainless
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Socket size	Wrench size	Thread length	Package contents	Sales pack quantity	Item number
HSA-R M6x50 5/-/-	M6	50 mm	7 mm	5 Nm	10 mm	10 mm	15 mm	1x Std stud anchor HSA-R M6 5/-/- assy	200 pc	2036314
HSA-R M6x65 20/10/-	M6	65 mm	7 mm	5 Nm	10 mm	10 mm	30 mm	1x Std stud anchor HSA-R M6 20/10/- assy	200 pc	2036315
HSA-R M6x85 40/30/10	M6	85 mm	7 mm	5 Nm	10 mm	10 mm	50 mm	1x Std stud anchor HSA-R M6 40/30/10 assy	100 pc	2036316
HSA-R M8x55 5/-/-	M8	55 mm	9 mm	15 Nm	13 mm	13 mm	17 mm	1x Std stud anchor HSA-R M8 5/-/- assy	100 pc	2004197
HSA-R M8x70 20/10/-	M8	70 mm	9 mm	15 Nm	13 mm	13 mm	32 mm	1x Std stud anchor HSA-R M8 20/10/- assy	100 pc	2004198
HSA-R M8x85 35/25/-	M8	85 mm	9 mm	15 Nm	13 mm	13 mm	47 mm	1x Std stud anchor HSA-R M8 35/25/- assy	80 pc	2004199
HSA-R M8x105 55/45/15	M8	105 mm	9 mm	15 Nm	13 mm	13 mm	67 mm	1x Std stud anchor HSA-R M8 55/45/15 assy	50 pc	2004200
HSA-R M10x68 5/-/-	M10	68 mm	12 mm	25 Nm	17 mm	17 mm	19 mm	1x Std stud anchor HSA-R M10 5/-/- assy	50 pc	2004201
HSA-R M10x83 20/10/-	M10	83 mm	12 mm	25 Nm	17 mm	17 mm	34 mm	1x Std stud anchor HSA-R M10 20/10/- assy	50 pc	2004202
HSA-R M10x98 35/25/-	M10	98 mm	12 mm	25 Nm	17 mm	17 mm	49 mm	1x Std stud anchor HSA-R M10 35/25/- assy	40 pc	2004203
HSA-R M10x113 50/40/10	M10	113 mm	12 mm	25 Nm	17 mm	17 mm	64 mm	1x Std stud anchor HSA-R M10 50/40/10 assy	40 pc	2004204
HSA-R M10x133 70/60/30	M10	133 mm	12 mm	25 Nm	17 mm	17 mm	84 mm	1x Std stud anchor HSA-R M10 70/60/30 assy	25 pc	2004205
HSA-R M10x153 90/80/50	M10	153 mm	12 mm	25 Nm	17 mm	17 mm	104 mm	1x Std stud anchor HSA-R M10 90/80/50 assy	25 pc	2004206
HSA-R M12x85 5/-/-	M12	85 mm	14 mm	50 Nm	19 mm	19 mm	22 mm	1x Std stud anchor HSA-R M12 5/-/- assy	25 pc	2004207
HSA-R M12x100 20/5/-	M12	100 mm	14 mm	50 Nm	19 mm	19 mm	37 mm	1x Std stud anchor HSA-R M12 20/5/- assy	25 pc	2004208
HSA-R M12x115 35/20/-	M12	115 mm	14 mm	50 Nm	19 mm	19 mm	52 mm	1x Std stud anchor HSA-R M12 35/20/- assy	25 pc	2004209
HSA-R M12x145 65/50/15	M12	145 mm	14 mm	50 Nm	19 mm	19 mm	82 mm	1x Std stud anchor HSA-R M12 65/50/15 assy	25 pc	2004210
HSA-R M12x175 95/80/45	M12	175 mm	14 mm	50 Nm	19 mm	19 mm	112 mm	1x Std stud anchor HSA-R M12 95/80/45 assy	25 pc	2004211
HSA-R M12x205 125/110/75	M12	205 mm	14 mm	50 Nm	19 mm	19 mm	142 mm	1x Std stud anchor HSA-R M12 125/110/75 assy	25 pc	2004212
HSA-R M12x225 145/130/95	M12	225 mm	14 mm	50 Nm	19 mm	19 mm	162 mm	1x Std stud anchor HSA-R M12 145/130/95 assy	25 pc	2004213
HSA-R M16x102 5/-/-	M16	102 mm	18 mm	80 Nm	24 mm	24 mm	26 mm	1x Std stud anchor HSA-R M16 5/-/- assy	16 pc	2004214
HSA-R M16x117 20/5/-	M16	117 mm	18 mm	80 Nm	24 mm	24 mm	41 mm	1x Std stud anchor HSA-R M16 20/5/- assy	16 pc	2004215
HSA-R M16x137 40/25/-	M16	137 mm	18 mm	80 Nm	24 mm	24 mm	61 mm	1x Std stud anchor HSA-R M16 40/25/- assy	16 pc	2004216
HSA-R M16x182 85/70/30	M16	182 mm	18 mm	80 Nm	24 mm	24 mm	106 mm	1x Std stud anchor HSA-R M16 85/70/30 assy	16 pc	2004217
HSA-R M20x125 10/-/-	M20	125 mm	22 mm	200 Nm	30 mm	30 mm	36 mm	1x Std stud anchor HSA-R M20 10/-/- assy	10 pc	2036317
HSA-R M20x170 55/30/-	M20	170 mm	22 mm	200 Nm	30 mm	30 mm	81 mm	1x Std stud anchor HSA-R M20 55/30/15 assy	10 pc	2036318

Standard stud anchor HSV



Key applications and advantages

- Wide range of applications in uncracked concrete
- Made from cold-formed carbon steel, zinc-plated to 5µm
- Two embedment depths for a wide range of fastening thicknesses

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/ nut size	Socket size	Wrench size	Package contents	Sales pack quantity	Item number
HSV M8x75	M8	75 mm	9 mm	15 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HSV M8x75 assy	100 pc	2041604
HSV M10x90	M10	90 mm	12 mm	30 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HSV M10x90 assy	50 pc	2041605
HSV M10x100	M10	100 mm	12 mm	30 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HSV M10x100 assy	50 pc	2041606
HSV M12x100	M12	100 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV M12x100 assy	30 pc	2041607
HSV M12x110	M12	110 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV M12x110 assy	30 pc	2041608
HSV M12x120	M12	120 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV M12x120 assy	30 pc	2041609
HSV M12x150	M12	150 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV M12x150 assy	25 pc	2041610
HSV M16x120	M16	120 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSV M16x120 assy	16 pc	2041611
HSV M16x140	M16	140 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSV M16x140 assy	16 pc	2041612

Standard stud anchor HSV-BW



Key applications and advantages

- Wide range of applications in uncracked concrete
- Made from cold-formed carbon steel, zinc-plated to at least 5µm
- Two embedment depths

Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated
Accessories	HSV/ HSA/ HST/ KB3/ KB-TZ

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/ nut size	Socket size	Wrench size	Package contents	Sales pack quantity	Item number
HSV-BW M8x75	M8	75 mm	9 mm	15 Nm	13 mm	13 mm	13 mm	1x Std stud anchor HSV-BW M8x75 assy	100 pc	2041256
HSV-BW M10x90	M10	90 mm	12 mm	30 Nm	17 mm	17 mm	17 mm	1x Std stud anchor HSV-BW M10x90 assy	50 pc	2041257
HSV-BW M12x100	M12	100 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV-BW M12x100 assy	25 pc	2041258
HSV-BW M12x110	M12	110 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV-BW M12x110 assy	25 pc	2041259
HSV-BW M12x120	M12	120 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV-BW M12x120 assy	25 pc	2041600
HSV-BW M12x150	M12	150 mm	14 mm	50 Nm	19 mm	19 mm	19 mm	1x Std stud anchor HSV-BW M12x150 assy	20 pc	2041601
HSV-BW M16x120	M16	120 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSV-BW M16x120 assy	10 pc	2041602
HSV-BW M16x140	M16	140 mm	18 mm	100 Nm	24 mm	24 mm	24 mm	1x Std stud anchor HSV-BW M16x140 assy	10 pc	2041603

HS-SC setting tool HSV/ HSA/ HST/ KB3/ KB-TZ

Key applications and advantages

- Ideal for overhead use
- Drives expansion anchors quickly and easily



Ordering designation	Package contents	Sales pack quantity	Item number
Setting tool HS-SC M6 - M16	1x Hanger clip TE-C, 1x Setting tool	1 pc	2051443
Setting tool HS-SC 150	1x Setting tool HS-SC 150	1 pc	337918
Setting tool HS-SC 300	1x Setting tool HS-SC 300	1 pc	337919

Standard tool-set flush anchor HKD



Key applications and advantages

- For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts, sprinkler systems etc.
- For redundant applications in cracked concrete or single-point applications in uncracked concrete
- "Intelligent" stepped expansion cone allows easy, correct setting even in harder materials
- Available in a variety of sizes for maximized coverage of applications

Technical data	
Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
Accessories	HSD-M, HSD-G

Approvals

ETA	ETA 02/0032 for HKD drop-in anchor (ETAG 001-04, Option 7)
ETA, Fire resistance	ETA 06/0047 for HKD drop-in anchor multiple applications (ETAG 001-06, Option -)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Internal thread size	Thread engagement depth - max.	Base plate clearance hole	Max. tightening torque	Packaging	Anchor length	Thread length	Package contents	Sales pack quantity	Item number
HKD M6x25	6 mm	13 mm	7 mm	4 Nm	Box	25 mm	12 mm	1x Flush anchor HKD M6x25 assy	100 pc	376894
HKD M8x40	8 mm		9 mm	8 Nm	Box	40 mm	18 mm	1x Flush anchor HKD M8x40 assy	50 pc	376961
HKD M8x25	8 mm		9 mm	8 Nm	Box	25 mm	12 mm	1x Flush anchor HKD M8x25 assy	100 pc	376957
HKD M8x30	8 mm		9 mm	8 Nm	Box	30 mm	15 mm	1x Flush anchor HKD M8x30 assy	100 pc	376959
HKD M8x25 bucket	8 mm		9 mm	8 Nm	Bucket	25 mm	12 mm	1x Flush anchor HKD M8x25 assy	500 pc	376958
HKD M10x40	10 mm		12 mm	15 Nm	Box	40 mm	18 mm	1x Flush anchor HKD M10x40 assy	50 pc	376967
HKD M10x25	10 mm		12 mm	15 Nm	Box	25 mm	12 mm	1x Flush anchor HKD M10x25 assy	100 pc	2037453
HKD M10x30	10 mm		12 mm	15 Nm	Box	30 mm	13 mm	1x Flush anchor HKD M10x30 assy	100 pc	376965
HKD M10x25 bucket	10 mm		12 mm	15 Nm	Bucket	25 mm	12 mm	1x Flush anchor HKD M10x25 assy	500 pc	2037454
HKD M12x50	12 mm		14 mm	35 Nm	Box	50 mm	24 mm	1x Flush anchor HKD M12x50 assy	50 pc	378544
HKD M12x25	12 mm		14 mm	35 Nm	Box	25 mm	12 mm	1x Flush anchor HKD M12x25 assy	100 pc	378431
HKD M12x50 bucket	12 mm		14 mm	35 Nm	Bucket	50 mm	22 mm	1x Flush anchor HKD M12x50 assy	250 pc	378553
HKD M16x65	16 mm	31 mm	18 mm	60 Nm	Box	65 mm	31 mm	1x Flush anchor HKD M16x65 assy	25 pc	382941
HKD M20x80	20 mm	42 mm	22 mm	120 Nm	Box	80 mm	42 mm	1x Flush anchor HKD M20x80 assy	25 pc	382955

Standard tool-set flush anchor HKV



Technical data	
Head configuration	Inner thread
Material composition	Steel, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	No
PROFIS software	No
Material, corrosion	Steel, zinc-plated
Accessories	HSD-M, HSD-G

Ordering designation	Internal thread size	Thread engagement depth - max.	Thread engagement depth - min.	Max. tightening torque	Anchor length	Package contents	Sales pack quantity	Item number
HKV M6x25	6 mm	10 mm	6 mm	4 Nm	25 mm	1x Flush anchor HKV M6x25 assy	100 pc	2127709
HKV M8x30	8 mm	12 mm	8 mm	8 Nm	30 mm	1x Flush anchor HKV M8x30 assy	100 pc	2127980
HKV M10x30	10 mm		10 mm	15 Nm	30 mm	1x Flush anchor HKV M10x30 assy	50 pc	2127981
HKV M10x40	10 mm		10 mm	15 Nm	40 mm	1x Flush anchor HKV M10x40 assy	50 pc	2127982
HKV M12x50	12 mm	20 mm	12 mm	35 Nm	50 mm	1x Flush anchor HKV M12x50 assy	25 pc	2127983
HKV M16x65	16 mm	26 mm	16 mm	60 Nm	65 mm	1x Flush anchor HKV M16x65 assy	25 pc	2127984

Stop drill bit HKD-TE-CX-B (long)



Key applications and advantages

- Spare part for HKD setting tool for embedment depths greater than 30 mm
- Spare part for HKD setting tool for embedment depths greater than 30 mm

Technical data	
Working mode	Hammer drilling, Drilling only



Ordering designation	Diameter	Length	Working length	Suitable for anchor size	Sales pack quantity	Item number
HKD-TE-CX-B M8 5/16"x30	10 mm	112 mm	33 mm	M8 5/16"x30	1 pc	2112755
HKD-TE-CX-B M8x40	10 mm	123 mm	44 mm	HKD M8/40	1 pc	2112756
HKD-TE-CX-B M10 3/8"x30	12 mm	107 mm	33 mm	M10 3/8"x30	1 pc	2112757
HKD-TE-CX-B M10 3/8"x40	12 mm	123 mm	44 mm	M10 3/8"x40	1 pc	2112758
HKD-TE-CX-B M12x50 ø15	15 mm	144 mm	55 mm	HKD 12/50	1 pc	2112759

Stop drill bit HKD-TE-CX-B (short)



Key applications and advantages

- Spare part for HKD setting tool (short) for embedment depth of 25 mm
- Spare part for HKD setting tool (short) for embedment depth of 25 mm

Technical data	
Working length	27 mm
Working mode	Hammer drilling, Drilling only



Ordering designation	Diameter	Length	Suitable for anchor size	Sales pack quantity	Item number
HKD-TE-CX-B M6x25	8 mm	102 mm	HKD M6/25	1 pc	2097381
HKD-TE-CX-B M8x25	10 mm	106 mm	HKD M8/25	1 pc	2097382
HKD-TE-CX-B M10x25	12 mm	101 mm	HKD M10/25	1 pc	2097383
HKD-TE-CX-B M12x25	15 mm	106 mm	HKD 12/25	1 pc	2097384

Standard tool-set flush anchor (SS316) HKD-SR



Key applications and advantages

- For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts, sprinkler systems etc.
- For redundant applications in cracked concrete or single-point applications in uncracked concrete
- Available in a variety of sizes for maximized coverage of applications
- Visual check for correct setting when used with Hilti setting tool



Technical data

Head configuration	Inner thread
Environmental conditions	Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, stainless
Accessories	HSD-M, HSD-G

Ordering designation	Internal thread size	Base plate clearance hole	Max. tightening torque	Packaging	Anchor length	Thread length	Useable thread length	Package contents	Sales pack quantity	Item number
HKD-SR M6x25	6 mm	7 mm	4 Nm	Box	25 mm	12 mm	12 mm	1x Flush anchor HKD-SR M 6x25	100 pc	247951
HKD-SR M8x30	8 mm	9 mm	8 Nm	Box	30 mm	15 mm	15 mm	1x Flush anchor HKD-SR M 8x30	100 pc	247952
HKD-SR M10x40	10 mm	12 mm	15 Nm	Box	40 mm	18 mm	18 mm	1x Flush anchor HKD-SR M10x40	50 pc	247953
HKD-SR M12x50	12 mm	14 mm	35 Nm	Box	50 mm	22 mm	22 mm	1x Anchor HKD-SR M12X50	50 pc	247954
HKD-SR M16x65	16 mm	18 mm	60 Nm	Box	65 mm	31 mm	31 mm	1x Flush anchor HKD-SR M16x65	25 pc	247955
HKD-SR M20x80	20 mm	22 mm	120 Nm	Box	80 mm	42 mm	42 mm	1x Anchor HKD-SR M20X80	25 pc	247956

Economical manual flush-set anchor without lip (carbon steel) HKV



Key applications and advantages

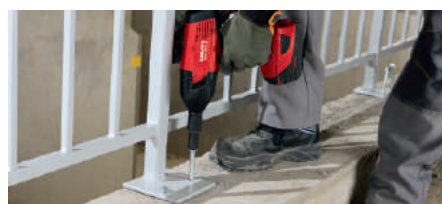
- For use with bolts or threaded rods, e.g. suspension systems for pipes, ducts, sprinkler systems, etc.
- No damage to inner thread when tapping in or setting
- No collar – can be set at greater depth
- Visual check for correct setting when used with Hilti HSD-G and HSD-B setting tools

Technical data

Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated
Accessories	HSD-M, HSD-G
Internal thread size	6 mm

Ordering designation	Thread engagement depth - max.	Base plate clearance hole	Max. tightening torque	Packaging	Anchor length	Thread length	Useable thread length	Package contents	Sales pack quantity	Item number
HKV M6x25	13 mm	7 mm	3 Nm	Bag	25 mm	13 mm	13 mm	1x Flush anchor HKV M6x25 assy	100 pc	384616

Ultimate-performance screw anchor with hex head (carbon steel) HUS3-H 8/10/14



Key applications and advantages

- Structural steel applications
- Railings and handrails
- Temporary applications
- Adjustable screw: ETA approval for adjustability
- New cutting edge for easier setting and new geometry allows 60% higher loads

Technical data	
Head configuration	Hex head
Material composition	Steel, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
Accessories	HRG 8/10/14/16
Installation tools	SIW 22T-A 1/2"

Approvals	
DIBt	DiBt Z-21.1-2021 for HUS3 adjustability
ETA	ETA 13/1038 for HUS3-H/C/HF/A/I-I-Flex/P/PS screw anchor (ETAG 13/1038, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Base plate clearance hole	Wrench/nut size	Wrench size	Anchor length	Embedment depth 1	Embedment depth 2	Package contents	Sales pack quantity	Item number
HUS3-H 8x55 5/-/-	8	12 mm	13 mm	13 mm	55 mm	50 mm		1x Screw anchor HUS3-H 8x55 5/-/-	50 pc	2079794
HUS3-H 8x65 15/5/-	8	12 mm	13 mm	13 mm	65 mm	50 mm	60 mm	1x Screw anchor HUS3-H 8x65 15/5/-	50 pc	2079795
HUS3-H 8x75 25/15/5	8	12 mm	13 mm	13 mm	75 mm	50 mm	60 mm	1x Screw anchor HUS3-H 8x75 25/15/5	50 pc	2079796
HUS3-H 8x85 35/25/15	8	12 mm	13 mm	13 mm	85 mm	50 mm	60 mm	1x Screw anchor HUS3-H 8x85 35/25/15	50 pc	2079797
HUS3-H 8x100 50/40/30	8	12 mm	13 mm	13 mm	100 mm	50 mm	60 mm	1x Screw anchor HUS3-H 8x100 50/40/30	50 pc	2079798
HUS3-H 8x120 70/60/50	8	12 mm	13 mm	13 mm	120 mm	50 mm	60 mm	1x Screw anchor HUS3-H 8x120 70/60/50	50 pc	2079799
HUS3-H 8x150 100/90/80	8	12 mm	13 mm	13 mm	150 mm	50 mm	60 mm	1x Screw anchor HUS3-H 8x150 100/90/80	50 pc	2079910
HUS3-H 10x60 5/-/-	10	14 mm	15 mm	15 mm	60 mm	55 mm		1x Screw anchor HUS3-H 10x60 5/-/-	50 pc	2079911
HUS3-H 10x70 15/-/-	10	14 mm	15 mm	15 mm	70 mm	55 mm		1x Screw anchor HUS3-H 10x70 15/-/-	50 pc	2079912
HUS3-H 10x80 25/5/-	10	14 mm	15 mm	15 mm	80 mm	55 mm	75 mm	1x Screw anchor HUS3-H 10x80 25/5/-	50 pc	2079913
HUS3-H 10x90 35/15/5	10	14 mm	15 mm	15 mm	90 mm	55 mm	75 mm	1x Screw anchor HUS3-H 10x90 35/15/5	50 pc	2079914
HUS3-H 10x100 45/25/15	10	14 mm	15 mm	15 mm	100 mm	55 mm	75 mm	1x Screw anchor HUS3-H 10x100 45/25/15	50 pc	2079915
HUS3-H 10x110 55/35/25	10	14 mm	15 mm	15 mm	110 mm	55 mm	75 mm	1x Screw anchor HUS3-H 10x110 55/35/25	50 pc	2079916
HUS3-H 10x130 75/55/45	10	14 mm	15 mm	15 mm	130 mm	55 mm	75 mm	1x Screw anchor HUS3-H 10x130 75/55/45	50 pc	2079917
HUS3-H 10x150 95/75/65	10	14 mm	15 mm	15 mm	150 mm	55 mm	75 mm	1x Screw anchor HUS3-H 10x150 95/75/65	50 pc	2079918
HUS3-H 14x75 10/-/-	14	18 mm	21 mm	21 mm	75 mm	65 mm		1x Screw anchor HUS3-H 14x75 10/-/-	16 pc	2079921
HUS3-H 14x100 35/15/-	14	18 mm	21 mm	21 mm	100 mm	65 mm	85 mm	1x Screw anchor HUS3-H 14x100 35/15/-	16 pc	2079922
HUS3-H 14x130 65/45/15	14	18 mm	21 mm	21 mm	130 mm	65 mm	85 mm	1x Screw anchor HUS3-H 14x130 65/45/15	16 pc	2079923
HUS3-H 14x150 85/65/35	14	18 mm	21 mm	21 mm	150 mm	65 mm	85 mm	1x Screw anchor HUS3-H 14x150 85/65/35	16 pc	2079924

HRG tube, metric HRG 8/10/14/16



Key applications and advantages

- Temporary applications on all grades of concrete
- Indicates whether the screw anchor can be reused
- Always available on site in combination with the SIW 22T-A and SIW 22-A

Technical data

Head configuration	n/a
Material composition	Steel, zinc-plated (min. 5 µm)
Installation tools	SIW 22T-A 1/2"

Ordering designation	Anchor size	Package contents	Sales pack quantity	Item number
Check gauge HRG 8	HUS 8	1x Check gauge HRG 8 assy	1 pc	2092003
Check gauge HRG 10	HUS 10	1x Check gauge HRG 10 assy	1 pc	2090674
Check gauge HRG 14	HUS 14	1x Check gauge HRG 14 assy	1 pc	2090675

Ultimate-performance screw anchor with countersunk head (carbon steel) HUS3-C 8/10



Key applications and advantages

- Railings and balustrades
- Architectural metal
- Seismic approval ETA C1
- Reduced edge and spacing distances



Technical data

Head configuration	Countersunk Torx
Material composition	Steel, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Carbon steel
Accessories	S-IS
Installation tools	SIW 22T-A 1/2"

Ordering designation	Anchor size	Base plate clearance hole	Bit size	Anchor length	Embedment depth 1	Embedment depth 2	Embedment depth 3	Package contents	Sales pack quantity	Item number
HUS3-C 8x65 15/-/-	8	12 mm	T45	65 mm	50 mm			1x Screw anchor HUS3-C 8x65 15/-/-	50 pc	2079931
HUS3-C 8x75 25/15/-	8	12 mm	T45	75 mm	50 mm	60 mm	70 mm	1x Screw anchor HUS3-C 8x75 25/15/-	50 pc	2079932
HUS3-C 8x85 35/25/15	8	12 mm	T45	85 mm	50 mm	60 mm	70 mm	1x Screw anchor HUS3-C 8x85 35/25/15	50 pc	2079933
HUS3-C 10x70 15/-/-	10	14 mm	T50	70 mm	55 mm			1x Screw anchor HUS3-C 10x70	50 pc	2079934
HUS3-C 10x90 35/15/-	10	14 mm	T50	90 mm	55 mm	75 mm		1x Screw anchor HUS3-C 10x90	50 pc	2079935
HUS3-C 10x100 45/25/15	10	14 mm	T50	100 mm	55 mm	75 mm	85 mm	1x Screw anchor HUS3-C 10x100	50 pc	2079936

Ultimate-performance screw anchor with hex head (corrosion resistant) HUS3-HF 8/10/14



Key applications and advantages

- Structural steel applications
- Formwork and bracing
- Base plate fastening in steel and metal construction
- Multilayer coating ($\geq 14 \mu\text{m}$) for additional corrosion resistance
- Seismic approval ETA C1



Technical data

Head configuration	Hex head
Material composition	Steel, multilayer coating
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanised
Installation tools	SIW 22T-A 1/2"

Ordering designation	Anchor size	Base plate clearance hole	Wrench/nut size	Socket size	Wrench size	Anchor length	Embedment depth 1	Package contents	Sales pack quantity	Item number
HUS3-HF 8x65 15/5/-	8	12 mm	13 mm	13 mm	13 mm	65 mm	50 mm	1x Screw anchor HUS3-HF 8x65 15/5/-	50 pc	2108735
HUS3-HF 10x60 5/-/-	10	14 mm	15 mm	15 mm	15 mm	60 mm	55 mm	1x Screw anchor HUS3-HF 10x60 5/-/-	50 pc	2079925
HUS3-HF 10x80 25/5/	10	14 mm	15 mm	15 mm	15 mm	80 mm	55 mm	1x Screw anchor HUS3-HF 10x80 25/5/-	50 pc	2079926

Ultimate-performance screw anchor with hex head (A4 SS) HUS-HR 6/8/10/14



Key applications and advantages

- Installing railings
- Anchoring facade panels
- Installing installation channels
- Reduced edge and spacing distances
- Higher productivity – less drilling and fewer operations than with conventional anchors



Technical data

Head configuration	Hex head
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A4 (SS316)
Installation direction	All
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, stainless
Installation tools	SIW 14-A, SIW 22-A

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Embedment depth 1	Embedment depth 2	Fastening thickness at embed.1	Package contents	Sales pack quantity	Item number
HUS-HR 6x35 5/-/-	6	9 mm	13 mm	35 mm	30 mm		5 mm	1x Screw anchor HUS-HR 6x35	50 pc	290005
HUS-HR 6x45 15/-	6	9 mm	13 mm	45 mm	30 mm		15 mm	1x Screw anchor HUS-HR 6x45	50 pc	290011
HUS-HR 8x65 15/5/-	8	12 mm	13 mm	65 mm	50 mm	60 mm	15 mm	1x Screw anchor HUS-HR 8x65	25 pc	290030
HUS-HR 10x65 5/-/-	10	14 mm	15 mm	65 mm	60 mm		5 mm	1x Screw anchor HUS-HR 10x65	25 pc	290062

Ultimate-performance screw anchor with countersunk head (A4 SS) HUS-CR 8/10



Key applications and advantages

- Installing railings
- Anchoring facade panels
- Fitting installation channels
- Higher productivity – less drilling and fewer operations than with conventional anchors
- Seismic approval ETA C1



Technical data

Head configuration	Countersunk Torx
Material composition	Steel, A4
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Leadership in energy and environmental design	Yes
Material, corrosion	Steel, stainless
Accessories	S-IS

Ordering designation	Anchor size	Base plate clearance hole	Bit size	Anchor length	Embedment depth 1	Fastening thickness at embed.1	Drilling depth at embed. 1	Package contents	Sales pack quantity	Item number
HUS-CR 8x65 15/-/-	8	12 mm	T45	65 mm	50 mm	15 mm	60 mm	1x Screw anchor HUS-CR 8X65	25 pc	2082431

Screw anchor HUS-H



Key applications and advantages

- Piping or ventilation applications where channels are fastened directly to the ceiling
- Fastening handrails, railings and other ornamental steelwork
- Suitable for serial applications
- ETA approval - also for cracked concrete
-

Reduced edge and spacing distances



Technical data

Head configuration	Torx hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
Installation tools	SID 14-A, SIW 14-A, SID 22-A, SIW 22-A

Approvals

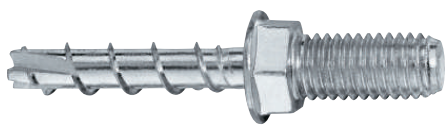
ETA	ETA 13/1038 for HUS3-H/C/HF/A/I/I-Flex/P/PS screw anchor (ETAG 13/1038, Option 1)
ETA, Fire resistance	ETA 10/0005 for HUS3 screw anchor size 6 multiple applications (ETAG 001-06, Option -)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Bit size	Anchor length	Embedment depth 1	Embedment depth 2	Package contents	Sales pack quantity	Item number
HUS3-H 6x60/5/25	6	9 mm	13 mm	T30	60 mm	35 mm	55 mm	1x Screw anchor HUS3-H 6x60	100 pc	416736
HUS3-H 6x80/25/45	6	9 mm	13 mm	T30	80 mm	35 mm	55 mm	1x Screw anchor HUS3-H 6x80	100 pc	416737

Standard screw anchor with externally threaded head (carbon steel) HUS3-A 6



Key applications and advantages

- ETA approval – also for use in cracked concrete
- Reduced edge and spacing distances



Technical data

Head configuration	Externally threaded
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
Installation tools	SID 14-A, SIW 14-A, SID 22-A, SIW 22-A

Ordering designation	Anchor size	Base plate clearance hole	Wrench size	Anchor length	Thread length	Embedment depth 1	Embedment depth 2	Package contents	Sales pack quantity	Item number
HUS3-A 6x35 M10/21	6 / M10	9 mm	13 mm	35 mm	21 mm	35 mm		1x Screw anchor HUS3-A 6x35 M10/21	100 pc	416742
HUS3-A 6x35 M8/16	6 / M8	9 mm	13 mm	35 mm	18 mm	35 mm		1x Screw anchor HUS3-A 6x35 M8/16	100 pc	416741
HUS3-A 6x55 M10/21	6 / M10	9 mm	13 mm	55 mm	21 mm	35 mm	55 mm	1x Screw anchor HUS3-A 6x55 M10/21	100 pc	416744
HUS3-A 6x55 M8/16	6 / M8	9 mm	13 mm	55 mm	18 mm	35 mm	55 mm	1x Screw anchor HUS3-A 6x55 M8/16	100 pc	416743

Screw anchor HUS-I



Key applications and advantages

- Various piping and ventilation applications
- Rod hangers for single or multiple pipes
- Suitable for serial applications
- M8 and M10 internally threaded heads for direct attachment of threaded rods
- M8 and M10 dual boss allows smaller inventories One product for 2 diameters



Technical data

Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
Installation tools	SID 14-A, SIW 14-A, SID 22-A, SIW 22-A
Internal thread size	8 mm

Ordering designation	Anchor size	Thread engagement depth - min.	Wrench size	Anchor length	Embedment depth 1	Drilling depth at embed. 1	Package contents	Sales pack quantity	Item number
HUS3-I 6x35 M8/M10	6	10 mm	13 mm	35 mm	35 mm	45 mm	1x Screw anchor HUS-I 6x35 M8/M10	100 pc	416740

Screw anchor HUS-P



Key applications and advantages

- Piping or ventilation applications with channels fastened directly to the ceiling
- Various applications with ornamental fittings in steel such as handrails or railings
- Suitable for serial applications
- ETA approval - also for cracked concrete
- Neat head appearance No extra time spent finishing



Technical data

Head configuration	Round head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
PROFIS software	Yes
Material, corrosion	Steel, zinc-plated
Installation tools	SID 14-A, SIW 14-A, SID 22-A, SIW 22-A

Ordering designation	Anchor size	Base plate clearance hole	Bit size	Anchor length	Embedment depth 1	Embedment depth 2	Fastening thickness at embed.1	Package contents	Sales pack quantity	Item number
HUS3-P 6x40/5	6	9 mm	T30	40 mm	35 mm		5 mm	1x Screw anchor HUS3-P 6x40	100 pc	416745
HUS3-P 6x60/5/25	6	9 mm	T30	60 mm	35 mm	55 mm	25 mm	1x Screw anchor HUS3-P 6x60	100 pc	416746

Frame screw anchor HUS-S



Key applications and advantages

- Big productivity gains and labour savings
- Removable

Technical data

Head configuration	Socket head cap (Allen head)
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated
Installation tools	SID 14-A

Ordering designation	Anchor size	Base plate clearance hole	Bit size	Anchor length	Embedment depth 1	Embedment depth 2	Embedment depth 3	Package contents	Sales pack quantity	Item number
HUS-S 6x100	6	9 mm	T30	100 mm	34 mm	44 mm	64 mm	1x Screw HUS-S 7,5/100	100 pc	381406
HUS-S 6x120	6	9 mm	T30	120 mm	34 mm	44 mm	64 mm	1x Screw HUS-S 7,5/120	100 pc	381407
HUS-S 6x160	6	9 mm	T30	160 mm	34 mm	44 mm	64 mm	1x Screw HUS-S 7,5/160	100 pc	381409

Economical coil anchor with hex head (carbon steel) HCA



Key applications and advantages

- Fastening braces to support tilt-up and formwork
- Non-specified, temporary fastenings
- Multiple-use design offers practical and cost-effective fastening solution
- Easily removable because only the coil remains in the hole

Technical data	
Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated



Ordering designation	Anchor diameter (imperial)	Anchor size	Base plate clearance hole	Required tightening torque	Wrench/nut size	Wrench size	Anchor length	Sales pack quantity	Item number
HCA 5/8x3 1/2	5/8 in	16	18 mm	180 Nm	24 mm	24 mm	90 mm	25 pc	252014

Replacement coils HCT

Key applications and advantages

- Fastening braces to support tilt-ups and formwork
- Temporary fastenings for which no approval is required
- Simple accessory that allows the HCA anchor to be reused in a new hole



Ordering designation	Sales pack quantity	Item number
HCT 5/8	100 pc	255989

Sleeve anchor (hex head) HLC-H



Key applications and advantages

- Suitable for a large range of temporary applications, fastening small items etc.
- Variety of lengths and sizes for a multitude of applications
- Pre-assembled anchor for fast, easy installation

Technical data

Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor diameter (imperial)	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/ nut size	Wrench size	Package contents	Sales pack quantity	Item number
HLC-H 8x40/10	5/16 in	8 mm	40 mm	10 mm	8 Nm	10 mm	10 mm	1x Anchor HLC-H 8x40/10 assy	100 pc	385836
HLC-H 8x70/40	5/16 in	8 mm	70 mm	10 mm	8 Nm	10 mm	10 mm	1x Anchor HLC-H 8x70/40 assy	100 pc	385840
HLC-H 10x40/5	3/8 in	10 mm	40 mm	12 mm	25 Nm	13 mm	13 mm	1x Anchor HLC-H 10x40/5 assy	50 pc	385841
HLC-H 10x80/45	3/8 in	10 mm	80 mm	12 mm	25 Nm	13 mm	13 mm	1x Anchor HLC-H 10x80/45 assy	50 pc	385845
HLC-H 10x100/65	3/8 in	10 mm	100 mm	12 mm	25 Nm	13 mm	13 mm	1x Anchor HLC-H 10x100/65 assy	50 pc	385847
HLC-H 12x55/15	1/2 in	12 mm	55 mm	14 mm	40 Nm	17 mm	17 mm	1x Anchor HLC-H 12x55/15 assy	50 pc	385848
HLC-H 12x75/35	1/2 in	12 mm	75 mm	14 mm	40 Nm	17 mm	17 mm	1x Anchor HLC-H 12x75/35 assy	50 pc	385849
HLC-H 12x100/60	1/2 in	12 mm	100 mm	14 mm	40 Nm	17 mm	17 mm	1x Anchor HLC-H 12x100/60 assy	25 pc	385852
HLC-H 16x60/10	5/8 in	16 mm	60 mm	18 mm	50 Nm	19 mm	19 mm	1x Anchor HLC-H 16x60/10 assy	10 pc	385853
HLC-H 16x100/50	5/8 in	16 mm	100 mm	18 mm	50 Nm	19 mm	19 mm	1x Anchor HLC-H 16x100/50 assy	15 pc	385854

Sleeve anchor (hex head) HLC



Key applications and advantages

- Suitable for a large range of temporary applications, fastening small items etc.
- Variety of lengths and sizes for a multitude of applications
- Pre-assembled anchor for fast, easy installation

Technical data

Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Wrench/nut size	Wrench size	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HLC 6,5x25/5	6.5 mm	25 mm	7 mm	5 Nm	8 mm	8 mm	5 mm	1x Anchor HLC 6,5x25/5 assy	100 pc	385811
HLC 6,5x40/20	6.5 mm	40 mm	7 mm	5 Nm	8 mm	8 mm	20 mm	1x Anchor HLC 6,5x40/20 assy	100 pc	385812
HLC 6,5x60/40	6.5 mm	60 mm	7 mm	5 Nm	8 mm	8 mm	40 mm	1x Anchor HLC 6,5x60/40 assy	100 pc	385813
HLC 8x40/10	8 mm	40 mm	10 mm	8 Nm	10 mm	10 mm	10 mm	1x Anchor HLC 8x40/10 assy	100 pc	385814
HLC 8x55/25	8 mm	55 mm	10 mm	8 Nm	10 mm	10 mm	25 mm	1x Anchor HLC 8x55/25 assy	100 pc	385816
HLC 8x70/40	8 mm	70 mm	10 mm	8 Nm	10 mm	10 mm	40 mm	1x Anchor HLC 8x70/40 assy	100 pc	385817
HLC 8x85/55	8 mm	85 mm	10 mm	8 Nm	10 mm	10 mm	55 mm	1x Anchor HLC 8x85/55 assy	100 pc	385818
HLC 10x40/5	10 mm	40 mm	12 mm	25 Nm	13 mm	13 mm	5 mm	1x Anchor HLC 10x40/5 assy	50 pc	385819
HLC 10x50/15	10 mm	50 mm	12 mm	25 Nm	13 mm	13 mm	15 mm	1x Anchor HLC 10x50/15 assy	50 pc	385820
HLC 10x60/25	10 mm	60 mm	12 mm	25 Nm	13 mm	13 mm	25 mm	1x Anchor HLC 10x60/25 assy	50 pc	385822
HLC 10x80/45	10 mm	80 mm	12 mm	25 Nm	13 mm	13 mm	45 mm	1x Anchor HLC 10x80/45 assy	50 pc	385823
HLC 10x100/65	10 mm	100 mm	12 mm	25 Nm	13 mm	13 mm	65 mm	1x Anchor HLC 10x100/65 assy	50 pc	385824
HLC 12x55/15	12 mm	55 mm	14 mm	40 Nm	15 mm	15 mm	15 mm	1x Anchor HLC 12x55/15 assy	50 pc	385825
HLC 12x75/35	12 mm	75 mm	14 mm	40 Nm	15 mm	15 mm	35 mm	1x Anchor HLC 12x75/35 assy	50 pc	385827
HLC 12x100/60	12 mm	100 mm	14 mm	40 Nm	15 mm	15 mm	60 mm	1x Anchor HLC 12x100/60 assy	25 pc	385829
HLC 16x60/10	16 mm	60 mm	18 mm	50 Nm	19 mm	19 mm	10 mm	1x Anchor HLC 16x60/10 assy	25 pc	385830
HLC 16x100/50	16 mm	100 mm	18 mm	50 Nm	19 mm	19 mm	50 mm	1x Anchor HLC 16x100/40 assy	10 pc	385831
HLC 16x140/90	16 mm	140 mm	18 mm	50 Nm	19 mm	19 mm	90 mm	1x Anchor HLC 16x140/90 assy	10 pc	385832
HLC 20x115/60	20 mm	115 mm	21 mm	80 Nm	24 mm	24 mm	60 mm	1x Anchor HLC 20x115 assy	10 pc	385834

Economical sleeve anchor with internal thread HLC-A



Key applications and advantages

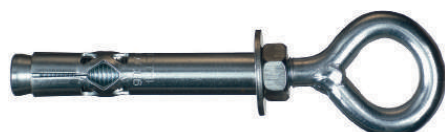
- Suitable for a large range of applications
- Consists of sleeve and cone for tailor made" solutions"
- Suitable for various base materials thanks to the expansion principle

Technical data

Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HLC-A 8x36	8 mm	36 mm	10 mm	8 Nm	10 mm	40 mm	1x Sleeve HLC 8x36	100 pc	385878
HLC-A 10x35	10 mm	35 mm	12 mm	25 Nm	4 mm	50 mm	1x Sleeve HLC 10x35 zincd	50 pc	385879
HLC-A 12x48	12 mm	48 mm	14 mm	40 Nm	15 mm	65 mm	1x Sleeve HLC 12x48 zincd	50 pc	385880
HLC-A 16x100	16 mm	100 mm	18 mm	50 Nm	59 mm	75 mm	1x Sleeve HLC 16x91 zincd	10 pc	385881

Sleeve anchor (closed eyebolt) HLC-EC



Key applications and advantages

- Pre-assembled anchor for fast, easy installation
- Eyelet version

Technical data

Head configuration	Closed eye bolt
Environmental conditions	Indoor, dry conditions
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HLC-EC 8x40	8 mm	40 mm	10 mm	8 Nm	14 mm	40 mm	1x Anchor HLC-EC 8x40 assy	50 pc	385871
HLC-EC 10x50	10 mm	50 mm	12 mm	25 Nm	20 mm	50 mm	1x Anchor HLC-EC 10x50 assy	50 pc	385872
HLC-EC 16x100	16 mm	100 mm	18 mm	50 Nm	59 mm	75 mm	1x Anchor HLC-EC 16x100 assy	10 pc	385873
HLC-EC 16x160	16 mm	160 mm	18 mm	50 Nm	119 mm	75 mm	1x Anchor HLC-EC 16x160 assy	15 pc	385874

Sleeve anchor (open eyebolt) HLC-EO



Key applications and advantages

- Suitable for a large range of applications in different base materials
- Pre-assembled anchor for fast, easy installation
- Hook version

Technical data

Head configuration	Open eye bolt
Environmental conditions	Indoor, dry conditions
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Drilling depth	Package contents	Sales pack quantity	Item number
HLC-EO 8x40	8 mm	40 mm	10 mm	8 Nm	40 mm	1x Anchor HLC-EO 8x40 assy	50 pc	385875

Sleeve anchor (tie wire) HLC-T



Key applications and advantages

- Suitable for different base materials
- Pre-assembled anchor for fast, easy installation
- Ideal for through-fastening applications

Technical data

Head configuration	Tie wire
Environmental conditions	Indoor, dry conditions
Material composition	Steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Drilling depth	Package contents	Sales pack quantity	Item number
HLC-T 6,5x25	6.5 mm	25 mm	7 mm	5 Nm	30 mm	1x Anchor HLC-T 6,5x25 assy	50 pc	385877

Sleeve anchor (counter sunk) HLC-SK



Key applications and advantages

- Suitable for various base materials thanks to the expansion principle
- Variety of lengths and sizes for a multitude of applications
- Pre-assembled anchor for fast, easy installation

Technical data

Head configuration	Countersunk
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, 8.8 grade, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Required tightening torque	Bit size	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HLC-SK 6,5x45/20	6.5 mm	45 mm	7 mm	5 Nm	PZ3	20 mm	30 mm	1x Anchor HLC-SK 6,5x45/20 assy	100 pc	385856
HLC-SK 6,5x65/40	6.5 mm	65 mm	7 mm	5 Nm	PZ3	40 mm	30 mm	1x Anchor HLC-SK 6,5x65/40 assy	100 pc	385857
HLC-SK 6,5x85/60	6.5 mm	85 mm	7 mm	5 Nm	PZ3	60 mm	30 mm	1x Anchor HLC-SK 6,5x85/60 assy	100 pc	385858
HLC-SK 8x60/25	8 mm	60 mm	10 mm	8 Nm	T30	25 mm	40 mm	1x Anchor HLC-SK 8x60/25 assy	100 pc	385859
HLC-SK 8x75/40	8 mm	75 mm	10 mm	8 Nm	T30	40 mm	40 mm	1x Anchor HLC-SK 8x75/40 assy	100 pc	385860
HLC-SK 8x90/55	8 mm	90 mm	10 mm	8 Nm	T30	55 mm	40 mm	1x Anchor HLC-SK 8x90/55 assy	100 pc	385861
HLC-SK 10x45/5	10 mm	45 mm	12 mm	25 Nm	T40	5 mm	50 mm	1x Anchor HLC-SK 10x45/5 assy	50 pc	385862
HLC-SK 10x85/45	10 mm	85 mm	12 mm	25 Nm	T40	45 mm	50 mm	1x Anchor HLC-SK 10x85/45 assy	50 pc	385863
HLC-SK 10x105/65	10 mm	105 mm	12 mm	25 Nm	T40	65 mm	50 mm	1x Anchor HLC-SK 10x105/65 assy	50 pc	385864
HLC-SK 10x130/95	10 mm	130 mm	12 mm	25 Nm	T40	95 mm	50 mm	1x Anchor HLC-SK 10x130/95 assy	25 pc	385865
HLC-SK 12x80/35	12 mm	80 mm	14 mm	40 Nm	T40	35 mm	65 mm	1x Anchor HLC-SK 12x80/35 assy	50 pc	385866

Economical metal frame anchor HT



Key applications and advantages

- Stress-free fastening through in-place frames
- Expansion cone cannot be lost



Technical data

Head configuration	Countersunk, Flat head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, 4.6 grade, zinc-plated (min. 5 µm), Sheet steel, sendzimir zinc-plated to approx. 16µm
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Bit size	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Sales pack quantity	Item number
HT 10X72	10 mm	72 mm	PZ3	30 mm	42 mm	50 mm	100 pc	369263
HT 10X92	10 mm	92 mm	PZ3	30 mm	62 mm	50 mm	100 pc	369264
HT 10X112	10 mm	112 mm	PZ3	30 mm	82 mm	50 mm	100 pc	369265
HT 10X132	10 mm	132 mm	PZ3	30 mm	102 mm	50 mm	100 pc	369266
HT 10X152	10 mm	152 mm	PZ3	30 mm	122 mm	50 mm	100 pc	369267
HT 10X182	10 mm	182 mm	PZ3	30 mm	152 mm	50 mm	100 pc	369268
HT 10X202	10 mm	202 mm	PZ3	30 mm	172 mm	50 mm	100 pc	369269

Economical cavity anchor HHD-S



Key applications and advantages

- Fastening battens, channels, panels, decorative items, etc. into hollow brick and gypsum panels.
- Pre-assembled with screw
- Ergonomic setting tool for thread sizes M4 to M8



Technical data

Head configuration	Round head
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening, Through-fastening
Material composition	Steel, zinc-plated
Installation direction	All
Additional product information	With pre-assembled screw
Material, corrosion	Steel, zinc-plated
Accessories	HHD, HHD Pro

Ordering designation	Anchor size	Anchor length	Bit size	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HHD-S M4/4x20	M4	20 mm	PH1	15 mm	1x Anchor body HHD, 1x Screw HHD	100 pc	332060
HHD-S M4/6x32	M4	32 mm	PH1	25 mm	1x Anchor body HHD, 1x Screw HHD	100 pc	332061
HHD-S M4/12x38	M4	38 mm	PH1	25 mm	1x Anchor body HHD, 1x Screw HHD	100 pc	332062
HHD-S M4/19x45	M4	45 mm	PH1	25 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332063
HHD-S M5/8x38	M5	38 mm	PH2	25 mm	1x Anchor body HHD, 1x Screw HHD	100 pc	332065
HHD-S M5/12x52	M5	52 mm	PH2	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332066
HHD-S M5/25x65	M5	65 mm	PH2	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332067
HHD-S M6/9x38	M6	38 mm	PH3	20 mm	1x Anchor body HHD, 1x Screw HHD	100 pc	332069
HHD-S M6/12x52	M6	52 mm	PH3	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332070
HHD-S M6/24x65	M6	65 mm	PH3	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332071
HHD-S M6/40x80	M6	80 mm	PH3	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332072

Economical cavity anchor with hex head bolt HHD-S



Key applications and advantages

- Fastening battens, channels, panels, decorative items, etc. to hollow brick and gypsum panels
- With pre-assembled hex head bolt
- Ergonomic setting tool

Technical data

Head configuration	Hex head
Material, corrosion	Steel, zinc-plated
Accessories	HHD, HHD Pro

Ordering designation	Anchor size	Anchor length	Wrench/nut size	Socket size	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HHD-S M8/12x54	M8	54 mm	13 mm	13 mm	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332073
HHD-S M8/24x66	M8	66 mm	13 mm	13 mm	30 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332074
HHD-S M8/40x83	M8	83 mm	13 mm	13 mm	35 mm	1x Anchor body HHD, 1x Screw HHD	50 pc	332075

Setting tool HHD



Key applications and advantages

- Setting tool for HHD-S and HHD cavity anchors

Technical data

Dispenser, setting tool, accessory, tester type	Setting tools
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Ordering designation	Sales pack quantity	Item number
Setting tool HHD-S	1 pc	332076

Economical sleeve anchor HLS



Key applications and advantages

- General anchoring of fixtures using threaded rods and bolts in concrete
- Can be used with standard bolts and threaded rods
- Torque-controlled mechanical expansion allows immediate load application

Technical data

Head configuration	Inner thread
Material composition	Steel, zinc-plated (min. 5 µm)
Tested/approved for diamond drilling	No
Suitable for cracked concrete with redundant fastenings	No
PROFIS software	No
Material, corrosion	Steel, zinc-plated

Ordering designation	Packaging	Standard embedment depth	Drilling depth	Sales pack quantity	Item number
HLS M8 light	Bag	44 mm	60 mm	100 pc	2111308
HLS M10 light	Bag	50 mm	70 mm	50 pc	2111309

Economical wedge anchor DBZ



Key applications and advantages

- Suspensions from concrete ceilings with slit-steel straps, punched band, nonius system hangers or wood battens
- For redundant applications in cracked concrete or single-point applications in uncracked concrete
- Simple and fast through-fastening
- Impact expansion by hammering in, no setting tool is needed

Technical data

Head configuration	Flat head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Standard embedment depth	Max. fixture thickness at standard embedment depth	Thickness fastened - min.	Drilling depth	Package contents	Sales pack quantity	Item number
DBZ 6/4.5	6 mm	40 mm	7 mm	32 mm	5 mm	0 mm	40 mm	1x Wedge anchor DBZ sht.assy	100 pc	256312
DBZ 6/35	6 mm	71 mm	7 mm	32 mm	35 mm	5 mm	55 mm	1x Wedge anchor DBZ long assy	100 pc	256311

Aerated concrete anchor HPD



Key applications and advantages

- Virtually all kinds of light-duty fastening on aerated concrete
- MQ channels
- Sprinkler systems
- Fast and easy setting procedure, no drilling required
- Always set correctly thanks to the blue safety mark on the rod

Technical data

Head configuration	Externally threaded, Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated
Accessories	HPE-G/-M



Ordering designation	Anchor size	Anchor length	Internal thread size	Base plate clearance hole	Re-quired tight-ening torque	Wrench/nut size	Socket size	Sales pack quantity	Item number
HPD M8/20	M8	98 mm	8 mm	9 mm	5 Nm	13 mm	13 mm	25 pc	373477
HPD M10/30	M10	110 mm	10 mm	12 mm	8 Nm		17 mm	25 pc	373479

Economical sleeve anchor with screw and washer HAM with bolt



Key applications and advantages

- Internally-threaded solution for all solid base materials
- Works on all solid base materials
- Protective plastic ring eliminates deformation caused by hammering

Technical data

Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Installation direction	All
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Internal thread size	Base plate clearance hole	Thread length	Useable thread length	Standard embedment depth	Sales pack quantity	Item number
HAM M6X50	M6	60 mm	6 mm	7 mm	5 mm	5 mm	60 mm	100 pc	305857
HAM M8X60	M8	75 mm	8 mm	9 mm	10 mm	10 mm	75 mm	50 pc	305858
HAM M10X80	M10	85 mm	10 mm	12 mm	15 mm	15 mm	85 mm	25 pc	305859
HAM M12X90	M12	95 mm	12 mm	14 mm	20 mm	20 mm	95 mm	25 pc	305860

Economical sleeve anchor HAM without bolt



Technical data

Head configuration	Inner thread
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Installation direction	All
Material, corrosion	Steel, zinc-plated

Key applications and advantages

- Internally-threaded solution for all solid base materials
- Environmentally friendly coating used as a substitute for blue chromate
- Protective plastic ring eliminates deformation caused by hammering



Ordering designation	Anchor size	Anchor length	Internal thread size	Base plate clearance hole	Thread length	Useable thread length	Standard embedment depth	Sales pack quantity	Item number
HAM M6	M6	60 mm	6 mm	7 mm	5 mm	5 mm	60 mm	100 pc	305853
HAM M8	M8	75 mm	8 mm	9 mm	10 mm	10 mm	75 mm	50 pc	305854
HAM M10	M10	85 mm	10 mm	12 mm	15 mm	15 mm	85 mm	25 pc	305855
HAM M12	M12	95 mm	12 mm	14 mm	20 mm	20 mm	95 mm	25 pc	305856

Hook and ring anchors HA 8



Key applications and advantages

- Suspensions from concrete ceilings e.g. suspended ceilings etc.
- Time-saving, easy manual expansion
- Reliable thanks to automatic follow-up expansion



Technical data

Head configuration	Closed eye bolt, Open eye bolt
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated

Ordering designation	Anchor size	Anchor length	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HA 8 H1	8 mm	66 mm	40 mm	50 mm	1x Hook anchor HA8H1 assy	100 pc	57036
HA 8 R1	8 mm	66 mm	40 mm	50 mm	1x Ring anchor HA8 R1 assy	100 pc	57059

Standard plastic frame anchor with countersunk head (carbon steel) HRD-C



Key applications and advantages

- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Fastening wooden substructures for ventilated facades
- Fastening door and window frames
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 260 mm (anchor lengths from 60 mm to 310 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Countersunk
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Screw head diameter	Bit size	Colour	Embedment depth 1	Package contents	Sales pack quantity	Item number
HRD-C 8x60	8 mm	60 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-U 8x60/10 assy, 0.02x Driver bit S-B TX 30 T	50 pc	202341
HRD-C 8x80	8 mm	80 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-U 8x80/30 assy, 0.02x Driver bit S-B TX 30 T	50 pc	202342
HRD-C 8x100	8 mm	100 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-U 8x100/50 assy, 0.02x Driver bit S-B TX 30 T	50 pc	202343
HRD-C 8x120	8 mm	120 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-U 8x120/70 assy, 0.02x Driver bit S-B TX 30 T	50 pc	202344
HRD-C 8x140	8 mm	140 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-U 8x140/90 assy, 0.02x Driver bit S-B TX 30 T	50 pc	202345
HRD-C 10x60	10 mm	60 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x60 assy	50 pc	423859
HRD-C 10x80	10 mm	80 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x80 assy	50 pc	423860
HRD-C 10x100	10 mm	100 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x100 assy	50 pc	423861
HRD-C 10x120	10 mm	120 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x120 assy	50 pc	423862
HRD-C 10x140	10 mm	140 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x140 assy	50 pc	423863
HRD-C 10x160	10 mm	160 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x160 assy	50 pc	423864
HRD-C 10x180	10 mm	180 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x180 assy	50 pc	423865
HRD-C 10x200	10 mm	200 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x200 assy	50 pc	423866
HRD-C 10x230	10 mm	230 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x230 assy	50 pc	423867
HRD-C 10x270	10 mm	270 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x270 assy	50 pc	423868
HRD-C 10x310	10 mm	310 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-C 10x310 assy	50 pc	423869

Standard plastic frame anchor with countersunk head (A4 SS) HRD-CR



Key applications and advantages

- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Fastening wooden substructures for ventilated facades
- Fastening door and window frames
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 260 mm (anchor lengths from 60 mm to 310 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Countersunk
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A4 (SS 316) or duplex equivalent, Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, stainless
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Screw head diameter	Bit size	Colour	Standard embedment depth	Package contents	Sales pack quantity	Item number
HRD-CR 8x60	8 mm	60 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-URT 8x60/10 assy, 0.02x Driver bit S-B TX 30 T	50 pc	2022681
HRD-CR 8x80	8 mm	80 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-URT 8x80/30 assy, 0.02x Driver bit S-B TX 30 T	50 pc	2022682
HRD-CR 8x100	8 mm	100 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-URT 8x100/50 assy, 0.02x Driver bit S-B TX 30 T	50 pc	2022683
HRD-CR 8x120	8 mm	120 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-URT 8x120/70 assy, 0.02x Driver bit S-B TX 30 T	50 pc	2022684
HRD-CR 8x140	8 mm	140 mm	9 mm	11 mm	T30	Red	50 mm	1x Frame anchor HRD-URT 8x140/90 assy, 0.02x Driver bit S-B TX 30 T	50 pc	2022685
HRD-CR 10x60	10 mm	60 mm	11 mm	14 mm	T40	Red		1x Frame anchor HRD-CR 10x60 assy	50 pc	423885
HRD-CR 10x100	10 mm	100 mm	11 mm	14 mm	T40	Red		1x Frame anchor HRD-CR 10x100 assy	50 pc	423886
HRD-CR 10x140	10 mm	140 mm	11 mm	14 mm	T40	Red		1x Frame anchor HRD-CR 10x140 assy	50 pc	423887

Standard plastic frame anchor with countersunk head (A2 SS) HRD-CR2



Key applications and advantages

- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Fastening wooden substructures for ventilated facades
- Fastening door and window frames
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 260 mm (anchor lengths from 60 mm to 310 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Countersunk
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A2 (SS 304) or duplex equivalent, Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, stainless
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Screw head diameter	Bit size	Colour	Embedment depth 1	Package contents	Sales pack quantity	Item number
HRD-CR2 10x60	10 mm	60 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-CR2 10x60 assy	50 pc	423892
HRD-CR2 10x80	10 mm	80 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-CR2 10x80 assy	50 pc	423893
HRD-CR2 10x100	10 mm	100 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-CR2 10x100 assy	50 pc	423894
HRD-CR2 10x120	10 mm	120 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-CR2 10x120 assy	50 pc	423895
HRD-CR2 10x140	10 mm	140 mm	11 mm	14 mm	T40	Red	50 mm	1x Frame anchor HRD-CR2 10x140 assy	50 pc	423896

Standard collared plastic frame anchor with hex head (carbon steel) HRD-H



Key applications and advantages

- Fastening metal substructures for ventilated facades
- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 150 mm (anchor lengths from 60 mm to 200 mm)



Technical data

Anchor type	Anchor with screw
Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Wrench size	Screw head diameter	Bit size	Colour	Package contents	Sales pack quantity	Item number
HRD-H 10x60	10 mm	60 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x60 assy	50 pc	423870
HRD-H 10x80	10 mm	80 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x80 assy	50 pc	423871
HRD-H 10x100	10 mm	100 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x100 assy	50 pc	423872
HRD-H 10x120	10 mm	120 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x120 assy	50 pc	423873
HRD-H 10x140	10 mm	140 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x140 assy	50 pc	423874
HRD-H 10x160	10 mm	160 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x160 assy	50 pc	423875
HRD-H 10x180	10 mm	180 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x180 assy	50 pc	423876
HRD-H 10x200	10 mm	200 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-H 10x210 assy	50 pc	423877

Standard plastic frame anchor with hex head (hot-dip galvanized) HRD-HF



Key applications and advantages

- Fastening metal substructures for ventilated facades
- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 150 mm (anchor lengths from 60 mm to 200 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Hex head
Environmental conditions	Indoor, damp conditions
Type of fastening	Through-fastening
Material composition	Steel, hot-dip galvanized (min. 65 µm), Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, sherardised / hot-dip galvanised
Installation temperature - min.	-10 °C

Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Wrench size	Screw head diameter	Colour	Embedment depth 1	Package contents	Sales pack quantity	Item number
HRD-HF 10x60	10 mm	60 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HF 10x60 assy	50 pc	423909
HRD-HF 10x80	10 mm	80 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HF 10x80 assy	50 pc	423910
HRD-HF 10x100	10 mm	100 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HF 10x100 assy	50 pc	423911
HRD-HF 10x120	10 mm	120 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HF 10x120 assy	50 pc	423912

Standard plastic frame anchor with hex head (A4 SS) HRD-HR



Key applications and advantages

- Fastening metal substructures for ventilated facades
- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 150 mm (anchor lengths from 60 mm to 200 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Hex head
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A4 (SS 316) or duplex equivalent, Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, stainless
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Wrench size	Screw head diameter	Colour	Embedment depth 1	Package contents	Sales pack quantity	Item number
HRD-HR 10x60	10 mm	60 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR 10x60 assy	50 pc	423888
HRD-HR 10x80	10 mm	80 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR 10x80 assy	50 pc	423889
HRD-HR 10x100	10 mm	100 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR 10x100 assy	50 pc	423890
HRD-HR 10x140	10 mm	140 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR 10x140 assy	50 pc	423891

Standard plastic frame anchor with hex head (A2 SS) HRD-HR2



Key applications and advantages

- Fastening metal substructures for ventilated facades
- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 150 mm (anchor lengths from 60 mm to 200 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Hex head
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A2 (SS 304) or duplex equivalent, Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, stainless
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Wrench size	Screw head diameter	Colour	Embedment depth 1	Package contents	Sales pack quantity	Item number
HRD-HR2 10x60	10 mm	60 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR2 10x60 assy	50 pc	423897
HRD-HR2 10x80	10 mm	80 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR2 10x80 assy	50 pc	423898
HRD-HR2 10x100	10 mm	100 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR2 10x100 assy	50 pc	423899
HRD-HR2 10x120	10 mm	120 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR2 10x120 assy	50 pc	423900
HRD-HR2 10x140	10 mm	140 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-HR2 10x140 assy	50 pc	423901

Standard plastic frame anchor no collar with hex head (carbon steel) HRD-K



Key applications and advantages

- Fastening metal substructures for ventilated facades
- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 90 mm (anchor lengths from 60 mm to 140 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Hex head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Wrench size	Screw head diameter	Bit size	Colour	Package contents	Sales pack quantity	Item number
HRD-K 10x60	10 mm	60 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-K 10x60 assy	50 pc	423878
HRD-K 10x80	10 mm	80 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-K 10x80 assy	50 pc	423879
HRD-K 10x100	10 mm	100 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-K 10x100 assy	50 pc	423880
HRD-K 10x120	10 mm	120 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-K 10x120 assy	50 pc	423881
HRD-K 10x140	10 mm	140 mm	12 mm	13 mm	18 mm	T40	Red	1x Frame anchor HRD-K 10x140 assy	50 pc	423882

Standard plastic frame anchor no collar with hex head (A2 SS) HRD-KR2



Key applications and advantages

- Fastening metal substructures for ventilated facades
- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Suitable for fastening thicknesses up to 90 mm (anchor lengths from 60 mm to 140 mm)

Technical data

Anchor type	Anchor with screw
Head configuration	Hex head
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A2 (SS 304) or duplex equivalent, Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, stainless
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Wrench size	Screw head diameter	Colour	Embedment depth 1	Package contents	Sales pack quantity	Item number
HRD-KR2 10x60	10 mm	60 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-KR2 10x60 assy	50 pc	423902
HRD-KR2 10x80	10 mm	80 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-KR2 10x80 assy	50 pc	423903
HRD-KR2 10x100	10 mm	100 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-KR2 10x100 assy	50 pc	423904
HRD-KR2 10x120	10 mm	120 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-KR2 10x120 assy	50 pc	423905
HRD-KR2 10x140	10 mm	140 mm	12 mm	13 mm	18 mm	Red	50 mm	1x Frame anchor HRD-KR2 10x140 assy	50 pc	423906

Standard plastic frame anchor no collar with pan head (carbon steel) HRD-P



Key applications and advantages

- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Available in 2 different materials for optimum suitability in all corrosive environments

Technical data

Anchor type	Anchor with screw
Head configuration	Round head
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm), Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, zinc-plated
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Bit size	Colour	Embedment depth 1	Embedment depth 2	Package contents	Sales pack quantity	Item number
HRD-P 10x60	10 mm	60 mm	12 mm	T40	Red	50 mm		1x Frame anchor HRD-P 10x60 assy	50 pc	423883
HRD-P 10x80	10 mm	80 mm	12 mm	T40	Red	50 mm	70 mm	1x Frame anchor HRD-P 10x80 assy	50 pc	423884

Standard plastic frame anchor no collar with pan head (A2 SS) HRD-PR2



Key applications and advantages

- Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
- Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
- Available in 2 different materials for optimum suitability in all corrosive environments

Technical data

Anchor type	Anchor with screw
Head configuration	Round head
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A2 (SS 304) or duplex equivalent, Polyamide
Suitable for cracked concrete with redundant fastenings	Yes
Material, corrosion	Steel, stainless
Installation temperature - min.	-10 °C



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Bit size	Colour	Embedment depth 1	Embedment depth 2	Package contents	Sales pack quantity	Item number
HRD-PR2 10x60	10 mm	60 mm	12 mm	T40	Red	50 mm		1x Frame anchor HRD-PR2 10x60 assy	50 pc	423907
HRD-PR2 10x80	10 mm	80 mm	12 mm	T40	Red	50 mm	70 mm	1x Frame anchor HRD-PR2 10x80 assy	50 pc	423908

Economical plastic impact anchor with carbon steel screw HPS-1



Key applications and advantages

- Fastening trim strips, battens and components for electrical and plumbing installations
- Fastening components for electrical and plumbing installations
- For universal use on many materials, including perforated brick and block
- The hammer-driven screw can also be driven or unscrewed using a screwdriver

Technical data

Anchor type	Plastic anchor
Head configuration	Countersunk Phillips
Environmental conditions	Indoor, dry conditions
Type of fastening	Through-fastening
Material composition	Body: polyamide, Screw: steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated
In-service temperature – range	-40 - 80 °C

Ordering designation	Anchor size	Bit size	Packaging	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HPS-1 4/0x20	M4	PZ2	Box	20 mm	2 mm	25 mm	1x Impact anchor HPS-1 4/0 assy	250 pc	260369
HPS-1 5/10x30	M5	PZ2	Box	20 mm	10 mm	30 mm	1x Impact anchor HPS-1 5/10 assy	200 pc	230515
HPS-1 5/5x25	M5	PZ2	Box	20 mm	5 mm	30 mm	1x Impact anchor HPS-1 5/5 assy	200 pc	260347
HPS-1 5/15x35	M5	PZ2	Box	20 mm	15 mm	30 mm	1x Impact anchor HPS-1 5/15 assy	200 pc	260348
HPS-1 5/0x20	M5	PZ2	Box	20 mm	2 mm	25 mm	1x Impact anchor HPS-1 5/0 assy	250 pc	260395
HPS-1 6/30x55	M6	PZ2	Box	25 mm	30 mm	40 mm	1x Impact anchor HPS-1 6/30 assy	100 pc	230517
HPS-1 6/25x50	M6	PZ2	Box	25 mm	25 mm	40 mm	1x Impact anchor HPS-1 6/25 assy	100 pc	260351
HPS-1 6/40x65	M6	PZ2	Box	25 mm	40 mm	40 mm	1x Impact anchor HPS-1 6/40 assy	100 pc	260352
HPS-1 6/10x35	M6	PZ2	Box	25 mm	10 mm	40 mm	1x Impact anchor HPS-1 6/10 assy	150 pc	230516
HPS-1 6/5x30	M6	PZ2	Box	25 mm	5 mm	40 mm	1x Impact anchor HPS-1 6/5 assy	150 pc	260349
HPS-1 6/15x40	M6	PZ2	Box	25 mm	15 mm	40 mm	1x Impact anchor HPS-1 6/15 assy	150 pc	260350
HPS-1 6/5x30 (1800)	M6	PZ2	Bucket	25 mm	5 mm	40 mm	1x Impact anchor HPS-1 6/5 assy	150 pc	253530
HPS-1 8/20x50	M8	PZ2	Box	30 mm	20 mm	50 mm	1x Impact anchor HPS-1 8/20 assy	50 pc	230518
HPS-1 8/40x70	M8	PZ2	Box	30 mm	40 mm	50 mm	1x Impact anchor HPS-1 8/40 assy	50 pc	230519
HPS-1 8/30x60	M8	PZ2	Box	30 mm	30 mm	50 mm	1x Impact anchor HPS-1 8/30 assy	50 pc	260354
HPS-1 8/60x90	M8	PZ2	Box	30 mm	60 mm	50 mm	1x Impact anchor HPS-1 8/60 assy	50 pc	260355
HPS-1 8/80x110	M8	PZ2	Box	30 mm	80 mm	50 mm	1x Impact anchor HPS-1 8/80 assy	50 pc	260356
HPS-1 8/0x25	M8	PZ2	Box	30 mm	2 mm	50 mm	1x Impact anchor HPS-1 8/0 assy	100 pc	238160
HPS-1 8/10x40	M8	PZ2	Box	30 mm	10 mm	50 mm	1x Impact anchor HPS-1 8/10 assy	100 pc	260353
HPS-1 8/100x130	M8	PZ2	Box	30 mm	100 mm	50 mm	1x Impact anchor HPS-1 8/100 assy	100 pc	260367

Economical plastic impact anchor with A2 SS screw HPS-1 R



Key applications and advantages

- Anchoring light frames, battens and profiles in hollow and solid base materials
- Corrosion-resistant for outdoor use
- Fastening components for electrical and plumbing installations
- Stainless steel hammer-driven screw for outdoor use
- Quick impact installation using a hammer

Technical data

Anchor type	Plastic anchor
Head configuration	Countersunk Phillips
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Body: polyamide, Screw: 304 stainless steel
Installation direction	All
Material, corrosion	Steel, stainless
In-service temperature – range	-40 - 80 °C

Ordering designation	Anchor size	Anchor length	Bit size	Standard embedment depth	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HPS-1 R 5/5x25	M5	27 mm	PZ2	20 mm	5 mm	30 mm	1x Impact anchor HPS-1 R 5/ 5 assy	200 pc	260357
HPS-1 R 5/15x35	M5	37 mm	PZ2	20 mm	15 mm	30 mm	1x Impact anchor HPS-1 R 5/15 assy	200 pc	260358
HPS-1 R 6/0x25	M6	27 mm	PZ2	25 mm	2 mm	40 mm	1x Impact anchor HPS-1 R 6/ 0 assy	150 pc	238161
HPS-1 R 6/5x30	M6	32 mm	PZ2	25 mm	5 mm	40 mm	1x Impact anchor HPS-1 R 6/ 5 assy	150 pc	260359
HPS-1 R 6/15x40	M6	42 mm	PZ2	25 mm	15 mm	40 mm	1x Impact anchor HPS-1 R 6/15 assy	100 pc	260360
HPS-1 R 6/25x50	M6	52 mm	PZ2	25 mm	25 mm	40 mm	1x Impact anchor HPS-1 R 6/25 assy	100 pc	260361
HPS-1 R 6/40x65	M6	67 mm	PZ2	25 mm	40 mm	40 mm	1x Impact anchor HPS-1 R 6/40 assy	100 pc	260362
HPS-1 R 8/10x40	M8	43 mm	PZ2	30 mm	10 mm	50 mm	1x Impact anchor HPS-1 R 8/ 10 assy	100 pc	260363
HPS-1 R 8/30x60	M8	63 mm	PZ2	30 mm	30 mm	50 mm	1x Impact anchor HPS-1 R 8/ 30 assy	50 pc	260364
HPS-1 R 8/40x70	M8	73 mm	PZ2	30 mm	40 mm	50 mm	1x Impact anchor HPS-1 R 8/ 40 assy	50 pc	230528
HPS-1 R 8/60x90	M8	93 mm	PZ2	30 mm	60 mm	50 mm	1x Impact anchor HPS-1 R 8/ 60 assy	50 pc	260365
HPS-1 R 8/80x110	M8	113 mm	PZ2	30 mm	80 mm	50 mm	1x Impact anchor HPS-1 R 8/ 80 assy	50 pc	260366

Economical universal plastic anchor HUD-1



Key applications and advantages

- Many kinds of light-duty fastenings, especially electrical installations, sanitary fixtures, etc.
- For use on a wide range of materials: concrete, solid brick, hollow brick, gas (aerated) concrete, gypsum panel
- High holding power

Technical data

Anchor type	Plastic anchor
Head configuration	n/a
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Polyamide PA 6
Installation direction	All



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Packaging	Colour	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HUD-1 5x25 (500)	5 mm	25 mm	5 mm	Bag	Red	25 mm	35 mm	1x Universal anchor HUD-1 5X25	500 pc	331615
HUD-1 6x30 (200)	6 mm	30 mm	6 mm	Bag	Red	30 mm	40 mm		200 pc	338709
HUD-1 6x30 (500)	6 mm	30 mm	6 mm	Bag	Red	30 mm	40 mm		500 pc	331616
HUD-1 8x40 (200)	8 mm	40 mm	8 mm	Bag	Red	40 mm	55 mm	1x Universal anchor HUD-1 8X40	200 pc	338710
HUD-1 8x40 (400)	8 mm	40 mm	8 mm	Bag	Red	40 mm	55 mm	1x Universal anchor HUD-1 8X40	400 pc	331617
HUD-1 10x50 (100)	10 mm	50 mm	10 mm	Bag	Red	50 mm	65 mm	1x Universal anchor HUD-1 10X50	100 pc	338711
HUD-1 10x50 (200)	10 mm	50 mm	10 mm	Bag	Red	50 mm	65 mm	1x Universal anchor HUD-1 10X50	200 pc	331618
HUD-1 12x60	12 mm	60 mm	13 mm	Bag	Red	60 mm	80 mm	1x Universal anchor HUD-1 12X60	100 pc	331619

Economical universal long plastic anchor without screw HUD-L



Key applications and advantages

- Refurbishing work on thick layers of plaster and on double-clad drywall panels, e.g. battens, junction boxes, cables, light switches, lights, brackets, signs, shelves, plumbing fixtures, wall brackets etc.
- Extra-long plastic anchor for refurbishment and renovation work or drywall installation
- Extra long, for bridging thick layers of plaster up to 30 mm
- Forms a "knot" when set in hollow materials and double-clad drywall panels



Technical data

Anchor type	Plastic anchor
Head configuration	n/a
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Body: polyamide
Installation direction	All
Leadership in energy and environmental design	Yes
Material, corrosion	Plastic
In-service temperature - range	-40 - 80 °C
Installation tools	SFC 14-A

Ordering designation	Anchor diameter (imperial)	Anchor size	Anchor length	Base plate clearance hole	Packaging	Colour	Standard embedment depth	Package contents	Sales pack quantity	Item number
HUD-L 6x50	1/4 in	6 mm	47 mm	6 mm	Box	Red	47 mm	1x Anchor HUD-L 6X50	400 pc	315938
HUD-L 8x60	5/16 in	8 mm	57 mm	8 mm	Box	Red	57 mm	1x Anchor HUD-L 8X60	200 pc	315939
HUD-L 10x70	3/8 in	10 mm	70 mm	10 mm	Box	Red	70 mm	1x Anchor HUD-L 10X70	100 pc	315940

Economical universal plastic anchor HUD-1



Key applications and advantages

- Many kinds of light-duty fastenings, especially electrical installations, sanitary fixtures, etc.
- For use on a wide range of materials: concrete, solid brick, hollow brick, gas (aerated) concrete, gypsum panel
- High holding power

Technical data

Anchor type	Plastic anchor
Head configuration	n/a
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Polyamide PA 6
Installation direction	All



Ordering designation	Anchor size	Anchor length	Base plate clearance hole	Packaging	Colour	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HUD-1 5x25 (500)	5 mm	25 mm	5 mm	Bag	Red	25 mm	35 mm	1x Universal anchor HUD-1 5X25	500 pc	331615
HUD-1 6x30 (200)	6 mm	30 mm	6 mm	Bag	Red	30 mm	40 mm		200 pc	338709
HUD-1 6x30 (500)	6 mm	30 mm	6 mm	Bag	Red	30 mm	40 mm		500 pc	331616
HUD-1 8x40 (200)	8 mm	40 mm	8 mm	Bag	Red	40 mm	55 mm	1x Universal anchor HUD-1 8X40	200 pc	338710
HUD-1 8x40 (400)	8 mm	40 mm	8 mm	Bag	Red	40 mm	55 mm	1x Universal anchor HUD-1 8X40	400 pc	331617
HUD-1 10x50 (100)	10 mm	50 mm	10 mm	Bag	Red	50 mm	65 mm	1x Universal anchor HUD-1 10X50	100 pc	338711
HUD-1 10x50 (200)	10 mm	50 mm	10 mm	Bag	Red	50 mm	65 mm	1x Universal anchor HUD-1 10X50	200 pc	331618
HUD-1 12x60	12 mm	60 mm	13 mm	Bag	Red	60 mm	80 mm	1x Universal anchor HUD-1 12X60	100 pc	331619

Economical universal long plastic anchor without screw HUD-L



Key applications and advantages

- Refurbishing work on thick layers of plaster and on double-clad drywall panels, e.g. battens, junction boxes, cables, light switches, lights, brackets, signs, shelves, plumbing fixtures, wall brackets etc.
- Extra-long plastic anchor for refurbishment and renovation work or drywall installation
- Extra long, for bridging thick layers of plaster up to 30 mm
- Forms a "knot" when set in hollow materials and double-clad drywall panels



Technical data

Anchor type	Plastic anchor
Head configuration	n/a
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Body: polyamide
Installation direction	All
Leadership in energy and environmental design	Yes
Material, corrosion	Plastic
In-service temperature – range	-40 - 80 °C
Installation tools	SFC 14-A

Ordering designation	Anchor diameter (imperial)	Anchor size	Anchor length	Base plate clearance hole	Packaging	Colour	Standard embedment depth	Package contents	Sales pack quantity	Item number
HUD-L 6x50	1/4 in	6 mm	47 mm	6 mm	Box	Red	47 mm	1x Anchor HUD-L 6X50	400 pc	315938
HUD-L 6x50	1/4 in	6 mm	47 mm	6 mm	Box	Red	47 mm	1x Anchor HUD-L 6X50	400 pc	315938
HUD-L 10x70	3/8 in	10 mm	70 mm	10 mm	Box	Red	70 mm	1x Anchor HUD-L 10X70	100 pc	315940
HUD-L 8x60	5/16 in	8 mm	57 mm	8 mm	Box	Red	57 mm	1x Anchor HUD-L 8X60	200 pc	315939

Economical plastic anchor for aerated concrete HGN



Key applications and advantages

- Many kinds of light-duty fastenings on gas concrete
- Higher loads through well-balanced distribution of forces in the base material
- Reliable setting

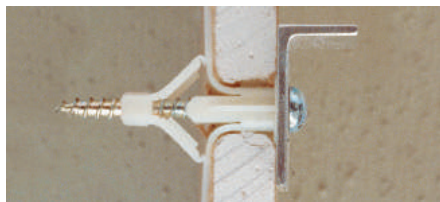


Technical data

Anchor type	Plastic anchor
Head configuration	Countersunk, Round head, Hex head, Flat head
Environmental conditions	Highly corrosive special applications, Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Polyamide PA 6
Installation direction	All
Material, corrosion	Plastic

Ordering designation	Anchor size	Anchor length	Colour	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HGN 12	12 mm	75 mm	Red	75 mm	95 mm	1x Anchor HGN 12	50 pc	45626
HGN 14	14 mm	85 mm	Red	85 mm	110 mm	1x Anchor HGN 14	50 pc	45627

Light-duty anchor HLD



Key applications and advantages

- Fastening on low-strength materials with cavities - for use with standard wood screws
- Anchoring in perforated brick or block, drywall, concrete
- The wings spring out and adapt to all materials
- Allows flexibility when selecting screws

Technical data	
Anchor type	Plastic anchor
Head configuration	Flat head, Round head
Environmental conditions	Indoor, damp conditions, Indoor, dry conditions, Outdoor
Type of fastening	Pre-fastening, Through-fastening
Material composition	Polyamide PA 6
Installation direction	Wall



Ordering designation	Anchor diameter (imperial)	Anchor size	Anchor length	Packaging	Colour	Max. fixture thickness at standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HLD 2	3/8 in	10 mm	28 mm	Box	White	33 mm	50 mm	1x Light-duty anchor HLD 2	150 pc	335506
HLD 3	3/8 in	10 mm	35 mm	Box	White	40 mm	56 mm	1x Light-duty anchor HLD 3	100 pc	335507
HLD 4	3/8 in	10 mm	44 mm	Box	White	49 mm	66 mm	1x Light-duty anchor HLD 4	100 pc	335508

Metal insulation fastener IDMS



Key applications and advantages

- Insulation fastenings with fire resistance requirements
- Certified fire resistance
- Fire resistant fastener for insulation materials up to 150 mm

Technical data	
Anchor type	Insulation holder
Environmental conditions	Indoor, ventilated facades
Type of fastening	Through-fastening
Material composition	Steel, zinc-plated (min. 5 µm)
Installation direction	All
Material, corrosion	Steel, zinc-plated
ETICS	No



Ordering designation	Anchor length	Insulation material thickness fastened - min.	Insulation material thickness fastened - max.	Standard embedment depth	Sales pack quantity	Item number
IDMS 0/ 3	80 mm	0 mm	30 mm	50 mm	250 pc	65752
IDMS 3/ 6	110 mm	30 mm	60 mm	50 mm	250 pc	65753
IDMS 6/ 9	140 mm	60 mm	90 mm	50 mm	250 pc	65754
IDMS 12/15	200 mm	120 mm	150 mm	50 mm	150 pc	45358

Stainless steel insulation fastener IDMR



Key applications and advantages

- Insulation fastenings with corrosion and fire resistance requirements
- Fire resistant fastener in A2 steel for insulation materials up to 150 mm
- Set simply by hammering in

Technical data

Anchor type	Insulation holder
Environmental conditions	Outdoor
Type of fastening	Through-fastening
Material composition	Steel, A2 (SS 304)
Installation direction	All
Material, corrosion	Steel, stainless
ETICS	No

Ordering designation	Anchor length	Insulation material thickness fastened - min.	Insulation material thickness fastened - max.	Standard embedment depth	Sales pack quantity	Item number
IDMR 3/ 6	110 mm	30 mm	60 mm	50 mm	250 pc	65787

Insulation fastener and plug IZ, IZ-P



Anchors

Ordering designation	Anchor length	Colour	Insulation material thickness fastened - min.	Insulation material thickness fastened - max.	Standard embedment depth	Package contents	Sales pack quantity	Item number
IZ 8x70	70 mm	White	10 mm	20 mm	40 mm	1x Insulating connector IZ 8X70 natural	250 pc	378160
IZ 8x90 black	90 mm	Black	20 mm	40 mm	40 mm	1x Insulating connector IZ 8x90 black	250 pc	285450
IZ 8x90	90 mm	White	20 mm	40 mm	40 mm	1x Insulating connector IZ 8X90 natural	250 pc	378161
IZ 8x110	110 mm	White	40 mm	60 mm	40 mm	1x Insulating connector IZ 8X110 natural	200 pc	378162
IZ 8x130	130 mm	White	60 mm	80 mm	40 mm	1x Insulating connector IZ 8X130 natural	200 pc	378163
IZ 8x150	150 mm	White	80 mm	120 mm	40 mm	1x Insulating connector IZ 8X150 natural	150 pc	378164
IZ 8x210 black	210 mm	Black	160 mm	180 mm	40 mm	1x Insulating connector IZ 8x210 black	100 pc	285456
IZ 8x210	210 mm	White	160 mm	180 mm	40 mm	1x Insulating connector IZ 8X210 natural	100 pc	378167
IZ 8x250 (50)	250 mm	Black	200 mm	220 mm	40 mm	1x Insulating connector IZ 8x250 black	50 pc	2022695

Insulation anchor IDP



Key applications and advantages

- Fastening rigid, self-supporting, insulating materials such as expanded polystyrene
- Quick and easy impact installation
- Insulating material thickness: up to 150 mm

Technical data

Anchor type	Insulation holder
Type of fastening	Through-fastening
Material composition	Polypropylene
Installation direction	All
Material, corrosion	Plastic
Installation temperature - max.	40 °C
Installation temperature - min.	0 °C
ETICS	No

Ordering designation	Colour	Min. embedment depth	Insulation material thickness fastened - min.	Insulation material thickness fastened - max.	Standard embedment depth	Package contents	Sales pack quantity	Item number
IDP 0/2	White	28 mm	0 mm	20 mm	25 mm	1x Insulation mandrel IDP 0/2	250 pc	332105
IDP 2/4	White	28 mm	20 mm	40 mm	25 mm	1x Insulation mandrel IDP 2/4	250 pc	332106
IDP 4/6	White	28 mm	40 mm	60 mm	25 mm	1x Insulation mandrel IDP 4/6	250 pc	332107
IDP 6/8	White	28 mm	60 mm	80 mm	25 mm	1x Insulation mandrel IDP 6/8	250 pc	332108
IDP 8/10	White	28 mm	80 mm	100 mm	25 mm	1x Insulation mandrel IDP 8/10	250 pc	332109
IDP 10/12	White	28 mm	100 mm	120 mm	25 mm	1x Insulation mandrel IDP 10/12	250 pc	332110
IDP 13/15	White	28 mm	120 mm	150 mm	25 mm	1x Insulation mandrel IDP 13/15	250 pc	332111

Hilti insulation fastener HIF



Ordering designation	Anchor length	Colour	Min. embedment depth	Insulation material thickness fastened - min.	Insulation material thickness fastened - max.	Standard embedment depth	Max. fixture thickness at standard embedment depth	Package contents	Sales pack quantity	Item number
HIF 60	85 mm	Black	20 mm	40 mm	60 mm	20 mm	60 mm	1x Insulation fastener HIF 60	250 pc	2061576
HIF 80	105 mm	Black	20 mm	60 mm	80 mm	20 mm	80 mm	1x Insulation fastener HIF 80	250 pc	2061577
HIF 100	125 mm	Black	20 mm	80 mm	100 mm	20 mm	100 mm	1x Insulation fastener HIF 100	200 pc	2061578
HIF 120	145 mm	Black	20 mm	100 mm	120 mm	20 mm	120 mm	1x Insulation fastener HIF 120	200 pc	2061579
HIF 140	165 mm	Black	20 mm	120 mm	140 mm	20 mm	140 mm	1x Insulation fastener HIF 140	150 pc	2061610
HIF 160	185 mm	Black	20 mm	140 mm	160 mm	20 mm	160 mm	1x Insulation fastener HIF 160	150 pc	2061611
HIF 180	205 mm	Black	20 mm	160 mm	180 mm	20 mm	180 mm	1x Insulation fastener HIF 180	100 pc	2061612
HIF 200	225 mm	Black	20 mm	180 mm	200 mm	20 mm	200 mm	1x Insulation fastener HIF 200	100 pc	2061613
HIF 220	245 mm	Black	20 mm	200 mm	220 mm	20 mm	220 mm	1x Insulation fastener HIF 220	100 pc	2061614
HIF 240	265 mm	Black	20 mm	220 mm	240 mm	20 mm	240 mm	1x Insulation fastener HIF 240	100 pc	2061615

Anchor channel HAC-30



Key applications and advantages

- Installation of building services in the basement backbone, risers and backbones for each level
- Floor or ceiling grid systems for applications with demanding requirements in terms of flexibility and dust or noise reduction e.g. semiconductor manufacturing or showrooms
- Main runs of pipes or ducts for heating, plumbing, ventilation and air conditioning
- Serrated channel is compatible with Hilti MQ41 installation components
- Faster installation of building services than with traditional anchor fastening methods

Technical data

Anchor type	Anchor channel
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, hot-dip galvanized (min. 55 µm)
Tooth configuration	Toothed
Width	41 mm
Height	26 mm
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Length	Number of anchors	Anchor distance	Standard embedment depth	Package contents	Sales pack quantity	Item number
HAC-30 68/200 F	200 mm	2	150 mm	68 mm	1x Install. channel HAC-30 68/200 F assy	1 pc	431889
HAC-30 68/250 F	250 mm	2	200 mm	68 mm	1x Install. channel HAC-30 68/250 F assy	1 pc	431890
HAC-30 68/300 F	300 mm	2	250 mm	68 mm	1x Install. channel HAC-30 68/300 F assy	1 pc	431891
HAC-30 68/550 F	550 mm	3	250 mm	68 mm	1x Install. channel HAC-30 68/550 F assy	1 pc	431892
HAC-30 68/800 F	800 mm	4	250 mm	68 mm	1x Install. channel HAC-30 68/800 F assy	1 pc	431893
HAC-30 68/1050 F	1050 mm	5	250 mm	68 mm	1x Install. channel HAC-30 68/1050 F assy	1 pc	431894
HAC-30 68/2300 F	2300 mm	10	250 mm	68 mm	1x Install. channel HAC-30 68/2300 F assy	1 pc	431897
HAC-30 68/3050 F	3050 mm	13	250 mm	68 mm	1x Install. channel HAC-30 68/3050 F assy	1 pc	431898
HAC-30 68/5800 F	5800 mm	24	250 mm	68 mm	1x Install. channel HAC-30 68/5800 F assy	1 pc	431900

Anchor channel HAC-40



Key applications and advantages

- Fastening curtain wall brackets
- Fastening guide rails for elevators and counterweights
- Fastening sliding door mechanisms for elevators
- Innovative V-shape provides high load resistance and close edge distances
- New type of protective, environmentally friendly foam insert (LDPE) and end caps seal the channel effectively, preventing concrete slurry from entering the channel

Technical data

Anchor type	Anchor channel
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, hot-dip galvanized (min. 55 µm)
Width	41 mm
Height	28 mm
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Length	Number of anchors	Anchor distance	Standard embedment depth	Package contents	Sales pack quantity	Item number
HAC-40 91/250 F	250 mm	2	200 mm	91 mm	1x Install. channel HAC-40 91/250 F assy	1 pc	2122492
HAC-40 91/300 F	300 mm	2	250 mm	91 mm	1x Install. channel HAC-40 91/350 F assy	1 pc	2107349
HAC-40 91/550 F	550 mm	3	250 mm	91 mm	1x Install. channel HAC-40 91/350 F assy	1 pc	2122495

Anchor channel HAC-50



Key applications and advantages

- Fastening curtain wall brackets
- For the installation of guide rails and doors in elevator installation
- Fastening guide rails for elevators and counterweights
- Innovative V-shape provides high load resistance and close edge distances
- Only one HBC-C bolt type required for HAC-40 to HAC-70 channels

Technical data

Anchor type	Anchor channel
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, hot-dip galvanized (min. 55 µm)
Width	42 mm
Height	31 mm
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Length	Number of anchors	Anchor distance	Standard embedment depth	Package contents	Sales pack quantity	Item number
HAC-50 106/300 F	300 mm	2	250 mm	106 mm	1x Install. channel HAC-50 106/5800 F assy	1 pc	2107511
HAC-50 106/350 F	350 mm	3	150 mm	106 mm	1x Install. channel HAC-50 106/5800 F assy	1 pc	2122539
HAC-50 106/2800 F	2800 mm	12	250 mm	106 mm	1x Install. channel HAC-50 106/5800 F assy	1 pc	2122550
HAC-50 106/5800 F	5800 mm	24	250 mm	106 mm	1x Install. channel HAC-50 106/5800 F assy	1 pc	2122553

Anchor channel (hot-dip galvanized) HAC-60



Key applications and advantages

- Fastening curtain wall brackets
- Installation of guide rails and doors in elevator shafts
- Fastening guide rails and counterweights for elevators
- Innovative V-shape provides high load resistance and close edge distances
- Only one HBC-C bolt type required for HAC-40 to HAC-70 channels

Technical data

Anchor type	Anchor channel
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, hot-dip galvanized (min. 70 µm)
Width	43 mm
Height	36 mm
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Length	Number of anchors	Anchor distance	Standard embedment depth	Package contents	Sales pack quantity	Item number
HAC-60 148/300 F	300 mm	2	250 mm	148 mm	1x Install. channel HAC-60 148/300 F assy	1 pc	431850
HAC-60 148/350 F	350 mm	3	150 mm	148 mm	1x Install. channel HAC-60 148/350 F assy	1 pc	431851
HAC-60 148/450 F	450 mm	3	200 mm	148 mm	1x Install. channel HAC-60 148/450 F assy	1 pc	431852
HAC-60 148/550 F	550 mm	3	250 mm	148 mm	1x Install. channel HAC-60 148/550 F assy	1 pc	431853
HAC-60 148/1050 F	1050 mm	5	250 mm	148 mm	1x Install. channel HAC-60 148/1050 F assy	1 pc	431854
HAC-60 148/2300 F	2300 mm	10	250 mm	148 mm	1x Install. channel HAC-60 148/2300 F assy	1 pc	431855
HAC-60 148/5800 F	5800 mm	24	250 mm	148 mm	1x Install. channel HAC-60 148/5800 F assy	6 pc	431856

Anchor channel (hot-dip galvanized) HAC-70



Key applications and advantages

- Fastening curtain wall brackets
- Fastening guide rails and counterweights for elevators
- Fastening sliding door mechanisms for elevators
- Innovative V-shape provides high load resistance and close edge distances
- Only one HBC-C bolt type required for HAC-40 to HAC-70 channels

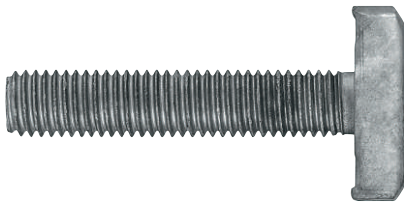
Technical data

Anchor type	Anchor channel
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, hot-dip galvanized (min. 70 µm)
Width	45 mm
Height	40 mm
Material, corrosion	Steel, sherardised / hot-dip galvanized



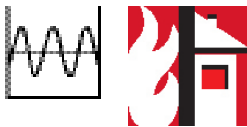
Ordering designation	Length	Number of anchors	Anchor distance	Standard embedment depth	Package contents	Sales pack quantity	Item number
HAC-70 175/300 F	300 mm	2	250 mm	175 mm	1x Install. channel HAC-70 175/300 F assy	1 pc	431860
HAC-70 175/350 F	350 mm	3	150 mm	175 mm	1x Install. channel HAC-70 175/350 F assy	1 pc	431861
HAC-70 175/450 F	450 mm	3	200 mm	175 mm	1x Install. channel HAC-70 175/450 F assy	1 pc	431862
HAC-70 175/550 F	550 mm	3	250 mm	175 mm	1x Install. channel HAC-70 175/550 F assy	1 pc	431863
HAC-70 175/1050 F	1050 mm	5	250 mm	175 mm	1x Install. channel HAC-70 175/1050 F assy	1 pc	431864
HAC-70 175/1550 F	1550 mm	7	250 mm	175 mm	1x Install. channel HAC-70 175/1550 F assy, 0.111111x Edge protection 60x60x4x800mm	1 pc	2021269
HAC-70 175/2300 F	2300 mm	10	250 mm	175 mm	1x Install. channel HAC-70 175/2300 F assy, 0.142857x Edge protection 60x60x4x800mm	1 pc	431865
HAC-70 175/5800 F	5800 mm	24	250 mm	175 mm	1x Install. channel HAC-70 175/5800 F assy, 0.2x Edge protection 60x60x4x800mm	1 pc	431866

T-head bolt (galvanized) HBC-B



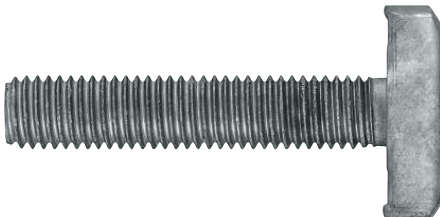
- Key applications and advantages**
- For use with HAC-30 anchor channels
 - Dustless, low-noise fastening method
 - European approval in accordance with the latest technical specifications

Technical data	
Anchor type	T-head bolt
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, 4.6 grade, zinc-plated (min. 8 µm)
Tooth configuration	Toothed
Material, corrosion	Steel, zinc-plated



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-B M10x40 4.6G	M10	33 mm	1x T-head bolt HBC-B M10x40 4.6G	100 pc	433527
HBC-B M10x100 4.6G	M10	93 mm	1x T-head bolt HBC-B M10x100 4.6G	100 pc	433529

Hot-dip galvanized T-head bolt HBC-B



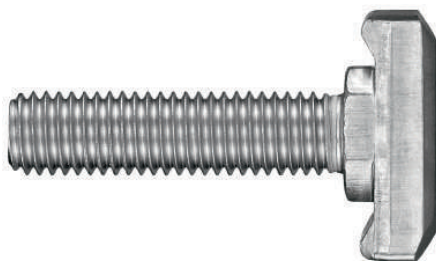
- Key applications and advantages**
- For use with HAC-30 anchor channels
 - Dustless, low-noise fastening method
 - European approval in accordance with the latest technical specifications

Technical data	
Anchor type	T-head bolt
Environmental conditions	Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, 4.6 grade, hot-dip galvanized (min. 45 µm)
Tooth configuration	Toothed
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-B M12x60 4.6F	M12	50 mm	1x T-head bolt HBC-B M12x60 4.6F, 1x Hexagon nut M12 hot dip galv	100 pc	433535

Galvanized T-head bolt HBC-C 4.6



Key applications and advantages

- European Technical Approval according to the latest technical specifications
- Simplification of the available range
Only one universal bolt needed to cover all channel geometries from HAC-40 to HAC-70

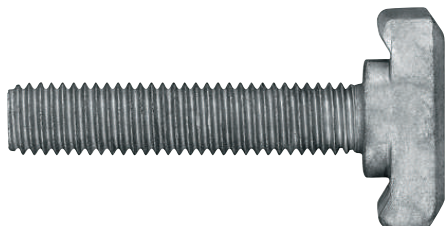
Technical data

Anchor type	T-head bolt
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, 4.6 grade, zinc-plated (min. 8 µm)
Material, corrosion	Steel, zinc-plated



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-C M10x30 4.6G	M10	21 mm	1x T-head bolt HBC-C M10x30 4.6G, 1x Hexagon nut M10 electrogalv.	100 pc	2095573
HBC-C M10x40 4.6G	M10	31 mm	1x T-head bolt HBC-C M10x40 4.6G, 1x Hexagon nut M10 electrogalv.	100 pc	2095574
HBC-C M10x50 4.6G	M10	41 mm	1x T-head bolt HBC-C M10x50 4.6G, 1x Hexagon nut M10 electrogalv.	100 pc	2095575
HBC-C M10x80 4.6G	M10	71 mm	1x T-head bolt HBC-C M10x80 4.6G, 1x Hexagon nut M10 electrogalv.	100 pc	2095577
HBC-C M10x100 4.6G	M10	91 mm	1x T-head bolt HBC-C M10x100 4.6G, 1x Hexagon nut M10 electrogalv.	100 pc	2095578

Hot-dip galvanized T-head bolt HBC-C



Key applications and advantages

- For use with HAC-40 to HAC-70 anchor channels
- Simplification of the range available
Only one universal bolt type needed to cover HAC-40 to HAC-70 anchor channels
- European approval according to latest technical specifications

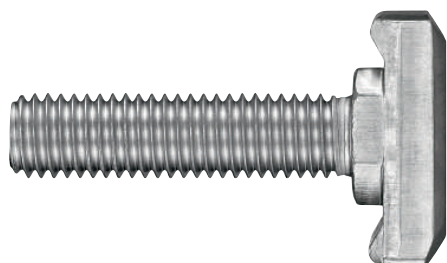
Technical data

Anchor type	T-head bolt
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, hot-dip galvanized (min. 45 µm)
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-C M12x40 8.8F		31 mm	1x T-head bolt HBC-C M12x40 8.8F V3, 0.02x Hexagon nut M12 hot dip galv	100 pc	2095644
HBC-C M12x50 8.8F		41 mm	1x T-head bolt HBC-C M12x50 8.8F V3, 0.02x Hexagon nut M12 hot dip galv	100 pc	2095645
HBC-C M20x60 8.8F		48 mm	1x T-head bolt HBC-C M20x60 8.8F V3, 0.04x Hexagon nut M20	50 pc	2095653
HBC-C M16x60 8.8F		50 mm	1x T-head bolt HBC-C M16x60 8.8F V3, 0.02x Hexagon nut M16 hot dip galv	100 pc	2095650
HBC-C M12x60 8.8F		51 mm	1x T-head bolt HBC-C M12x60 8.8F V3, 0.02x Hexagon nut M12 hot dip galv	100 pc	2095646
HBC-C M16x80 8.8F		80 mm	1x T-head bolt HBC-C M16x80 8.8F V3, 0.02x Hexagon nut M16 hot dip galv	50 pc	2095651
HBC-C M12x100 8.8F		91 mm	1x T-head bolt HBC-C M12x100 8.8F V3, 0.02x Hexagon nut M12 hot dip galv	100 pc	2095648
HBC-C M12x80 8.8F	M12	71 mm	1x T-head bolt HBC-C M12x80 8.8F	100 pc	2095647

T-head bolt (stainless steel) HBC-C



Key applications and advantages

- For use with HAC-40 to HAC-70 anchor channels
- Simplification of the range available
Only one universal bolt type needed to cover HAC-40 to HAC-70 anchor channels
- European approval according to latest technical specifications

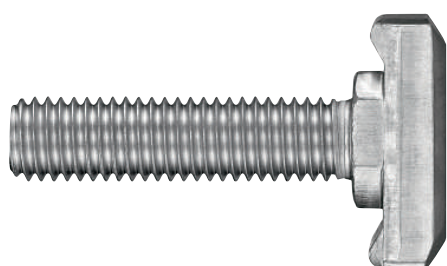
Technical data

Anchor type	T-head bolt
Environmental conditions	Outdoor
Type of fastening	Pre-fastening
Material composition	Steel, A4
Material, corrosion	Steel, stainless



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-C M10x40 50R	M10	31 mm	1x T-head bolt HBC-C M10x40 50R, 1x Hexagon nut M10 stnls.	25 pc	2095682
HBC-C M10x50 50R	M10	41 mm	1x T-head bolt HBC-C M10x50 50R, 1x Hexagon nut M10 stnls.	25 pc	2095683
HBC-C M12x40 50R	M12	31 mm	1x T-head bolt HBC-C M12x40 50R, 1x Hexagon nut M12 stnls.	25 pc	2095684
HBC-C M12x50 50R	M12	41 mm	1x T-head bolt HBC-C M12x50 50R, 1x Hexagon nut M12 stnls.	25 pc	2095685
HBC-C M12x80 50R	M12	71 mm	1x T-head bolt HBC-C M12x80 50R, 1x Hexagon nut M12 stnls.	25 pc	2095686
HBC-C M12x100 50R	M12	91 mm	1x T-head bolt HBC-C M12x100 50R, 1x Hexagon nut M12 stnls.	25 pc	2095687
HBC-C M16x50 50R	M16	40 mm	1x T-head bolt HBC-C M16x50 50R, 1x Hexagon nut M16 stnls.	50 pc	2095688
HBC-C M16x60 50R	M16	50 mm	1x T-head bolt HBC-C M16x60 50R, 1x Hexagon nut M16 stnls.	50 pc	2095689
HBC-C M16x80 50R	M16	70 mm	1x T-head bolt HBC-C M16x80 50R, 1x Hexagon nut M16 stnls.	25 pc	2095690
HBC-C M16x100 50R	M16	90 mm	1x T-head bolt HBC-C M16x100 50R, 1x Hexagon nut M16 stnls.	25 pc	2095691

T-head bolt (galvanized) HBC-C-E



Key applications and advantages

- Special geometry for elevator applications
- For use with HAC-40 to HAC-70 anchor channels
- Simplification of the available range
Only one universal bolt type needed to cover HAC-40 to HAC-70 anchor channel
- Dustless, low-noise fastening method

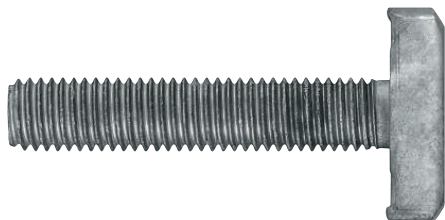
Technical data

Anchor type	T-head bolt
Environmental conditions	Indoor, dry conditions
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, zinc-plated (min. 8 µm)
Material, corrosion	Steel, zinc-plated



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-C-E M12x50 8.8G	M12	40 mm	1x T-head bolt HBC-C-E M12x50 8.8G, 1x Hexagon nut M12	100 pc	433539
HBC-C-E M12x100 8.8G	M12	90 mm	1x T-head bolt HBC-C-E M12x100 8.8G, 1x Hexagon nut M12	100 pc	433541
HBC-C-E M16x50 8.8G	M16	38 mm	1x T-head bolt HBC-C-E M16x50 8.8G, 1x Hexagon nut M16	100 pc	433543
HBC-C-E M16x125 8.8G	M16	113 mm	1x T-head bolt HBC-C-E M16x125 8.8G, 1x Hexagon nut M16	50 pc	434350

Hot-dip galvanized T-head bolt HBC-C-N



Key applications and advantages

- For use with HAC-40 to HAC-70 anchor channels
- Simplification of the available range
Only one universal bolt type needed to cover HAC-40 to HAC-70 anchor channel
- Toothed bolts for reliable load transfer in a longitudinal direction

Technical data

Anchor type	T-head bolt
Environmental conditions	Indoor, damp conditions
Type of fastening	Pre-fastening
Material composition	Steel, 8.8 grade, hot-dip galvanized (min. 45 µm)
Tooth configuration	Notched
Material, corrosion	Steel, sherardised / hot-dip galvanised



Ordering designation	Anchor size	Useable thread length	Package contents	Sales pack quantity	Item number
HBC-C-N M16x50 8.8F	M16	40 mm	1x T-head bolt HBC-C-N M16x50 8.8F, 1x Hexagon nut M16 hot dip galv	100 pc	433478
HBC-C-N M16x60 8.8F	M16	50 mm	1x T-head bolt HBC-C-N M16x60 8.8F	100 pc	2019736
HBC-C-N M16x80 8.8F	M16	70 mm	1x T-head bolt HBC-C-N M16x80 8.8F, 1x Hexagon nut M16 hot dip galv	50 pc	433479
HBC-C-N M20x60 8.8F	M20	47 mm	1x T-head bolt HBC-C-N M20x60 8.8F, 1x Hexagon nut M20 hot dip galv	50 pc	434345
HBC-C-N M20x100 8.8F	M20	87 mm	1x T-head bolt HBC-C-N M20x100 8.8F, 1x Hexagon nut M20 hot dip galv	50 pc	434346

Rail anchor HRC



Key applications and advantages

- For fastening rails to concrete slabs
- For bottom up (post-installed) construction method
- For light/urban and heavy rail
- Corrosion resistant
- High electrical insulation values with regard to stray current

Technical data

Anchor type	Post-installed
Head configuration	Externally threaded
Type of fastening	Through-fastening
Tested/approved for diamond drilling	Yes

Ordering designation	Anchor size	Maximum axial load	Maximum fastening height	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HRC-BR M22x238 assy	M22	250 kN		106 mm	110 mm	1x Anchor rod HRC-BR M22x238, 1x Bushing HRT M22, 1x Centering ring HRC M22, 1x Prevail torque hex nut M22	10 pc	288489
HRC-BR M22x263	M22	250 kN		106 mm	110 mm	1x Bushing HRT M22, 1x Centering ring HRC M22, 1x Prevail torque hex nut M22	10 pc	288762
HRC M22x215 (26)	M22	250 kN	40 mm	106 mm	110 mm	1x Anchor HRC M22x215 assy	10 pc	251674

Rail anchor HRT-IP



Key applications and advantages

- For fastening rails to concrete slabs
- For top down (cast-in) construction method
- For light/urban and heavy rail
- Corrosion resistant
- High electrical insulation values with regard to stray current

Technical data

Anchor type	Cast-in
Head configuration	Hex head

Ordering designation	Anchor size	Maximum axial load	Package contents	Sales pack quantity	Item number
HRT-I M22x200	M22	180 kN	1x Anchor HRT-I M22x200 assy	5 pc	2046956
HRT-IP M22x175	M22	180 kN	1x Anchor HRT-IP M22x175 assy	5 pc	2004660
HRT-IP M22x185	M22	180 kN	1x Anchor HRT-IP M22x185 assy	5 pc	2004662
HRT-IP M22x190	M22	180 kN	1x Anchor HRT-IP M22x190 assy	5 pc	2004599
HRT-IP M22x210	M22	180 kN	1x Anchor HRT-IP M22x210 assy	5 pc	2004681
HRT-IP M27x240	M27	250 kN	1x Anchor HRT-IP M27x240 assy	10 pc	2020804

Rail anchor HRT-I



Key applications and advantages

- For fastening rails to concrete slabs
- For bottom up (post-installed) construction method
- For light/urban and heavy rail
- Corrosion resistant
- High electrical insulation values help avoid stray electric currents

Technical data

Anchor type	Post-installed
Head configuration	Hex head
Type of fastening	Through-fastening
Tested/approved for diamond drilling	Yes

Ordering designation	Anchor size	Maximum axial load	Standard embedment depth	Drilling depth	Package contents	Sales pack quantity	Item number
HRT-I M22x175	M22	180 kN	120 mm	125 mm	1x Anchor HRT-I M22x175 assy	5 pc	2004596
HRT-I M22x190	M22	180 kN	120 mm	125 mm	1x Anchor HRT-I M22x190 assy	5 pc	2004598
HRT-I M22x185	M22	180 kN	120 mm	125 mm	1x Anchor HRT-I M22x185 assy	5 pc	2004661
HRT-I M22x210	M22	180 kN	120 mm	125 mm	1x Anchor HRT-I M22x210 assy	5 pc	2004682
HRT-I M22x200 exc	M22	180 kN	120 mm	125 mm	1x Anchor HRT-I M22x200 exc assy	5 pc	2049479
HRT-I M27x240	M27	250 kN	150 mm	155 mm	1x Anchor HRT-I M27x240 assy	10 pc	2020803

Sleeve (repair anchor) HRS



Key applications and advantages

- Refurbishment of wooden sleepers
- For hardwood and softwood sleepers
- Superior mechanical properties in terms of tensile strength, flexural strength, flexural modulus, hardness, impact strength and temperature behaviour
- Simple, quick and problem-free installation without special tools

Technical data

Anchor type	Post-installed
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Ordering designation	Package contents	Sales pack quantity	Item number
HRS-22	1x Sleeve HRS 22/112	100 pc	216962