

HRD-U plastic frame anchor

HRD-UGT



HRD-UGS



A versatile plastic frame anchor with high holding power

Features

- For use in hollow and solid base material
- High holding power, thus fewer fastenings, less installation work and lower costs
- High bending strength
- Anchor body made of cadmium-free Polyamide
- Screw made of zinc plated steel of 6.8 grade tensile strength

Applications

- Various base materials:
 - reinforced concrete
 - hard natural stone
 - solid bricks
 - aerated concrete
 - hollow/cavity brick masonry
- Cladding/facade installation (metal frames/structures)
- Metal construction (installing metal parts)
- Roofing installation
- Fastening door and window frames

Technical data

			HRD-U				
			10/10	10/30	10/50	10/70	10/110
N _{rec.}	Concrete $f_{c,eyl} \geq 20$ MPa	kN	1.8	1.8	1.8	1.8	1.8
	Solid brick ≥ 12 MPa	kN	0.8	0.8	0.8	0.8	0.8
	Aerated concrete ≥ 2.5 MPa	kN	0.3	0.3	0.3	0.3	0.3
	Hollow brick ≥ 24 MPa	kN	0.5	0.5	0.5	0.5	0.5
	Aerated concrete ≥ 5 MPa	kN	0.6	0.6	0.6	0.6	0.6
d ₀	Nominal hole diameter	(mm)	10	10	10	10	10
h ₁	Min. hole depth	(mm)	80	80	80	80	80
t _{fix}	Max. fastenable thickness	(mm)	10	30	50	70	110
l	Anchor length	(mm)	80	100	120	140	180
h _{nom}	Anchorage depth	(mm)	70	70	70	70	70

N_{rec.} = recommended safe working load in tension (kN)

HRD-U

Plastic anchor body, screw steel, zinc plate



HRD-UGT, Torx T40 head screw



HRD-UGS, with hex. head screw

Item no.	Ordering designation	Hole dia.	Hole Depth	Max. fasten. thickness	Package contents	Price per
HRD-UGS HEXAGON HEAD SCREW						
257277	HRD-UGS 10 x 80/10	10mm	80mm	10mm	50	100
257278	HRD-UGS 10 x 100/30	10mm	80mm	30mm	50	100
257279	HRD-UGS 10 x 120/50	10mm	80mm	50mm	50	100
257280	HRD-UGS 10 x 140/70	10mm	80mm	70mm	50	100
257281	HRD-UGS 10 x 180/110	10mm	80mm	110mm	50	100
060186	13mm (M8) drive socket - 1/2" conn.					1
032220	TE-C shaft 1/2"					1
HRD-UFS HEXAGON HEAD SCREW (hot-dipped galvanised)						
066453	HRD-UFS 10 x 80/10	10mm	80mm	10mm	50	100
066454	HRD-UFS 10 x 100/30	10mm	80mm	30mm	50	100
066455	HRD-UFS 10 x 120/50	10mm	80mm	50mm	50	100
HRD-URS HEXAGON HEAD SCREW (stainless steel grade 316)						
257291	HRD-URS 10 x 80/10	10mm	80mm	10mm	50	100
257292	HRD-URS 10 x 100/30	10mm	80mm	30mm	50	100
257293	HRD-URS 10 x 120/50	10mm	80mm	50mm	50	100
HRD-UGT COUNTERSUNK HEAD SCREW						
257272	HRD-UGT 10 x 80/10	10mm	80mm	10mm	50	100
257273	HRD-UGT 10 x 100/30	10mm	80mm	30mm	50	100
257274	HRD-UGT 10 x 120/50	10mm	80mm	50mm	50	100
257275	HRD-UGT 10 x 140/70	10mm	80mm	70mm	50	100
257276	HRD-UGT 10 x 180/110	10mm	80mm	110mm	50	100
258146	TS-B Tx40 torx bit					1
306013	TE-C screwdriving adaptor					1
HRD-URT COUNTERSUNK HEAD SCREW (stainless steel grade 316)						
257289	HRD-URT 10 x 80/10	10mm	80mm	10mm	50	100
257290	HRD-URT 10 x 120/50	10mm	80mm	50mm	50	100