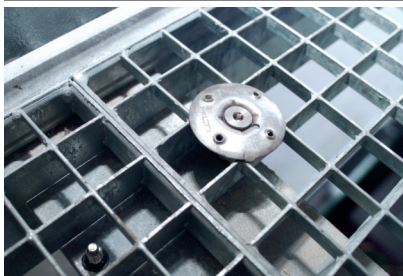


**Petrochemical,
Power, Mining,
Shipbuilding,
Industrial**

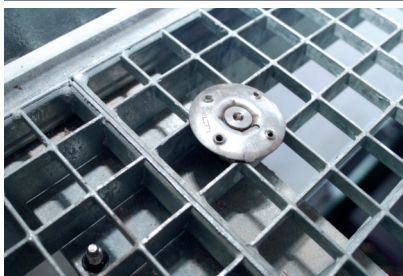
Technology	Base material						Fastener
	Green/ fresh concrete	Concrete	Old / high strength concrete	Steel < 3 mm, profiles, inlays HTU)	Steel ≥ 3 mm, bar, joist	Steel ≥ 6 mm, beams	

Metal / fiberglass grating to steel for upstream and high corrosive environment





DX						●	X-BT M8
							X-FCM-R






Metal / fiberglass grating to steel for downstream / Industrial applications and medium corrosive



DX						●	X-CR M8
							X-FCM-M
						●	X-GR-RU
						●	X-PGR-RU
					●	●	X-MGR

Fastener	Description	Approvals	Page
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	Stainless steel stud for "not for through-penetration"; steel thickness ≥ 8 mm, coated and uncoated steel, high strength steel	●	187
	Stainless steel grating disc	●	201

	Stainless steel stud	●	195
	Grating disc, hot dip galvanized	●	201
	Removable grating fastener		209
	Removable grating fastener		213
	Removable grating fastener		217

**Petrochemical,
Power, Mining,
Shipbuilding,
Industrial**

Technology	Base material					Fastener
	Green / fresh concrete	Concrete	Old / high strength concrete	Steel ≥ 3 mm, bar, joist	Steel ≥ 6 mm, beams	

Fastening steel plate (chequerplate) 5–13 mm to steel / high corrosive resistance





DX					●	X-CR M8
						X-FCP-R



Fastening steel plate (chequerplate) 5–13 mm to steel / medium corrosive resistance



DX					●	X-CR M8
						X-FCP-F

Fastener	Description	Approvals	Page
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	Stainless steel stud	●	195
	Stainless steel disc	●	221

	Stainless steel stud	●	195
	Disc duplex coated	●	221

Petrochemical, Power, Mining, Shipbuilding, Industrial

Technology	Base material					Fastener
	Green / fresh concrete	Concrete	Old / high strength concrete	Steel \geq 3 mm, bar, joist	Steel \geq 6 mm, beams	

Mechanical and electrical for petro chemical industry, shipbuilding, etc.





DX					●	X-BT M10 X-BT W10
					●	X-BT M6 X-BT W6



Grounding and bonding



DX					●	X-BT M10 X-BT W10
					●	X-BT M6 X-BT W6

Fastener	Description	Approvals	Page
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	Stainless steel stud for "not for through-penetration"; steel thickness \geq 8 mm, coated and uncoated steel, high strength steel	●	187
	Stainless steel stud for "not for through-penetration"; steel thickness \geq 8 mm, coated and uncoated steel, high strength steel	●	187

	Stainless steel stud for "not for through-penetration"; steel thickness $>$ 8 mm, coated and uncoated steel, high strength steel	●	187
	Stainless steel stud for "not for through-penetration"; steel thickness $>$ 8 mm, coated and uncoated steel, high strength steel	●	187

**Petrochemical,
Power, Mining,
Shipbuilding,
Industrial**

Technology	Base material					Fastener
	Green / fresh concrete	Concrete	Old / high strength concrete	Steel ≥ 3 mm, bar, joist	Steel ≥ 6 mm, beams	

Tagging



DX					●	X-U15
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Fastener	Description	Approvals	Page
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	Step shank fastener	●	119
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