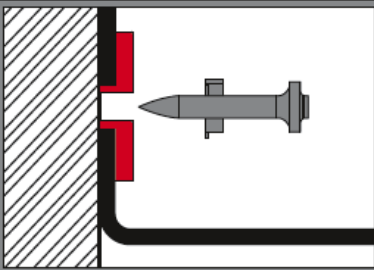
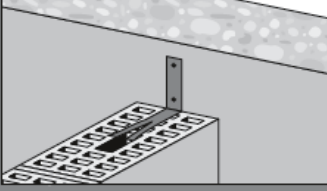
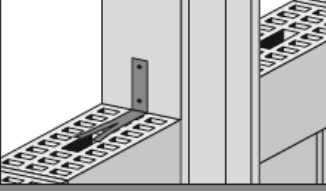


X-QT insulating washer

Rating matrix for using a insulating washer

		<p>Frame cramps fixed to concrete</p> 		<p>Frame cramps fixed to steel</p> 	
		steel frame cramp	stainless steel nail	carbon steel nail	stainless steel nail
Indoor Application*	stainless	not needed	✓	not needed	✓
	carbon	✓	not needed	✓	not needed
Outdoor Application	stainless	not needed	⊘	not needed	⊘
	carbon	⊘	⊘	⊘	⊘

* without condensation, humidity and corrosive gases

- ✓ Insulating washer **must** be used to prevent from contact corrosion
- ⊘ The using of carbon steel in outdoor application is classified as critical cause by the hydrogen embrittlement and will not be recommended by Hilti.

03.2009