

# DIAPHRAGM DESIGN MANUAL

FOURTH EDITION

ERRATAS #1 AND #1A

## ERRATA #1 - FEBRUARY 17, 2016

Add a  $t$  to equation 6.6-3 on page 6-7 (Section 6 | Alternate Fasteners) as shown below:

Hilti X-ENP-19 L15

[Applicable for 1/4 inch and thicker support steel]

For  $0.0280 \text{ inches} \leq t \leq 0.060 \text{ inches}$

$$P_{nf} = 56t(1-t), \text{ kips}$$

(Eqn. 6.6-3)

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## ERRATA #1A - JUNE 19, 2016

Replace page 6-7 with page 6-7A to include Eqn. 6.6-3a.

Hilti X-ENP-19 L15

[Applicable for 1/4 inch and thicker support steel]

For  $0.0280 \text{ inches} \leq t \leq 0.060 \text{ inches}$

$$P_{nf} = 56t(1-t), \text{ kips} \quad (\text{Eqn. 6.6-3})$$

$$\left\{ P_{nf} = 9.81t \left( 1 - \frac{t}{25.4} \right) \right\}, \text{ kN}$$

Where:

t = base steel thickness, inches

and

$$S_f = \frac{0.75}{1000\sqrt{t}}, \frac{\text{inch}}{\text{kip}} \quad (\text{Eqn. 6.6-3a})$$

$$\left\{ S_f = \frac{21.6}{1000\sqrt{t}} \right\}, \frac{\text{mm}}{\text{kN}}$$

Where:

t = base steel thickness, inches

For  $t < 0.0280 \text{ inches}$

$$P_{nf} = 61.1t(1 - 4t), \text{ kips} \quad (\text{Eqn. 6.6-4})$$

$$\left\{ P_{nf} = 10.7t \left( 1 - \frac{t}{6.35} \right) \right\}, \text{ kN}$$

Where:

t = base steel thickness, inches

and

$$S_f = \frac{1.25}{1000\sqrt{t}}, \frac{\text{inch}}{\text{kip}} \quad (\text{Eqn. 6.6-5})$$

$$\left\{ S_f = \frac{36}{1000\sqrt{t}} \right\}, \frac{\text{mm}}{\text{kN}}$$

Where:

t = base steel thickness, inches