

## Heavy-duty expansion anchor HSL-3-B



### Base materials

- Concrete (cracked)
- Concrete (uncracked)

### Applications

- 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.

### Advantages

- Special safety cap ensures that the correct installation torque is always applied even without using a torque wrench
- High tensile and shear load capacity
- Force-controlled expansion which allows follow-up expansion

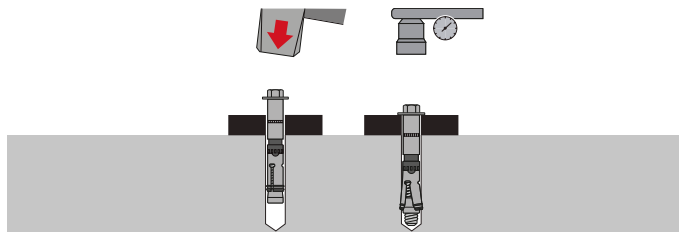
### Technical data

<b>Material composition</b>	Steel, zinc-plated (min. 5 µm), Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
<b>Head configuration</b>	Safety cap (torque cap)
<b>PROFIS</b>	Yes

### Approvals

BZS/shock	BZS for HSL-3
ETA	ETA-02/0042 for HSL-3 (ETAG 001-2, Option 1)

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



These are abbreviated instructions which may vary by application. Always review/follow the instructions accompanying the product or refer to [www.hilti.com/techlib](http://www.hilti.com/techlib).

Ordering designation	Anchor size	Required tightening torque	Wrench size	Sales pack quantity	Item number
HSL-3-B M12/50	M12	80 Nm	24 mm	10 pc	371809 <sup>1)</sup>
HSL-3-B M12/25	M12	80 Nm	24 mm	20 pc	371808
HSL-3-B M16/25	M16	120 Nm	30 mm	10 pc	371811
HSL-3-B M16/50	M16	120 Nm	30 mm	10 pc	371812 <sup>1)</sup>
HSL-3-B M20/30	M20	200 Nm	36 mm	6 pc	371814
HSL-3-B M20/60	M20	200 Nm	36 mm	6 pc	371815 <sup>1)</sup>
HSL-3-B M24/30	M24	250 Nm	41 mm	4 pc	371817
HSL-3-B M24/60	M24	250 Nm	41 mm	4 pc	371818 <sup>1)</sup>

<sup>1)</sup> This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit our website for the latest item numbers and related products.