

# CORRECT INSTALLATION / RICHTIGE MONTAGE

## Type / Typ HB Hollo-Bolt®

### Head Variations

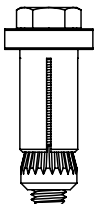
Schraubenkopfvarianten

Variante de tête

#### Hexagonal Head

Sechskantschraube

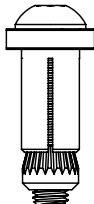
Tête hexagonale



#### Button Head Security

Sicherheitschraube

Freinage de la tête hémisphérique



### Drilling & Preparation

Bohren und Vorbereitung

Perçage et Préparation

| Type | Clearance Hole Ø     | Hole Distance         |             | Edge Distance         |
|------|----------------------|-----------------------|-------------|-----------------------|
| Typ  | Durchgangsloch Ø     | Lochabstände          |             | Randabstand           |
| Type | Ø Trou de passage    | Distances entre trous |             | Princes transversales |
|      | d <sub>1</sub><br>mm | min A<br>mm           | min B<br>mm | B+C<br>mm             |
| HB08 | 14 (+1.0 / -0.2)     | 35                    | 13          | B+C > 17.5            |
| HB10 | 18 (+1.0 / -0.2)     | 40                    | 15          | B+C > 22.5            |
| HB12 | 20 (+1.0 / -0.2)     | 50                    | 18          | B+C > 25.0            |
| HB16 | 26 (+2.0 / -0.2)     | 55                    | 20          | B+C > 32.5            |
| HB20 | 33 (+2.0 / -0.2)     | 70                    | 25          | B+C > 33.0            |

### Approvals / Zulassungen / Homologations



ESR - 3330

**NB: DIBT approval applies to Hex Head carbon steel and stainless steel Hollo-Bolt only. ICC-ES accreditation applies to Hex Head Hollo-Bolt in HDG finish only.**

Hinweis: Gemäß DIBT - Zulassung ist nur die Verwendung des HB mit Skt.-Schraube zulässig. Laut ICC-ES Zertifikat darf der Typ Hollo Bolt mit feuerverzinkter Beschichtung nur mit Sechskantschraube angewendet werden.

NB : L'homologation DIBT s'applique seulement à la tête hexagonale avec manchon en acier carbone et inox. L'homologation ICC-ES couvre seulement le Hollo-Bolt à Tête Hexagonale en finition GAC.

**NB: For HDG finish, drill top tolerance on clearance hole.**

Hinweis: Bei feuerverzinkten Bauteilen sollte der maximale Lochdurchmesser gebohrt werden.

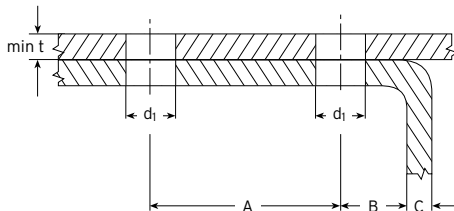
NB : Pour la finition GAC, percer le trou de passage à la tolérance supérieure.

| Type   | Clearance Hole Ø | Hole Distance |        | Edge Distance |
|--------|------------------|---------------|--------|---------------|
|        | d <sub>1</sub>   | min A         | min B  | B+C           |
| LHBM08 | 9/16"            | 1 3/8"        | 1/2"   | > 1 1/16"     |
| LHBM10 | 3/4"             | 1 9/16"       | 9/16"  | > 7/8"        |
| LHBM12 | 13/16"           | 2"            | 3/4"   | > 1"          |
| LHBM16 | 1 1/16"          | 2 3/16"       | 13/16" | > 1 5/16"     |
| LHBM20 | 1 5/16"          | 2 3/4"        | 1"     | > 1 5/16"     |

**For safe working loads and characteristic resistances refer to [www.lindapter.com](http://www.lindapter.com). When installing the Hollo-Bolt, always ensure that it is tightened to the correct torque setting by using a calibrated torque wrench.**

Die Belastungswerte entnehmen Sie bitte der bauaufsichtlichen Zulassung und von der Internetseite [www.lindapter.de](http://www.lindapter.de). Wenn der Hollo-Bolt montiert ist, muß unbedingt das angegebene Anziehmoment mit einem Drehmomentschlüssel überprüft werden.

Pour les charges maximum applicables et les résistances caractéristiques se reporter au [www.lindapter.fr](http://www.lindapter.fr). Lors de l'installation du boulon Hollo-Bolt, il est impératif d'utiliser une clé dynamométrique afin de respecter le couple de serrage préconisé.



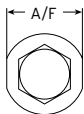
# CORRECT INSTALLATION / RICHTIGE MONTAGE

## Type / Typ HB Hollo-Bolt®

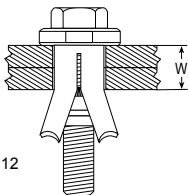
Ref: HB14-d (Nov.2014)

| Product Code<br>Artikelnummer<br>Code produit | Clamping Thickness<br>Klemmlänge<br>Epaisseur de serrage<br>W<br>mm | Outer Ply<br>Bauteil am Bund<br>Couche extérieure<br>min t<br>mm | Collar<br>Bund<br>Collier<br>A/F<br>mm | Torque<br>Anziehmoment<br>Couple<br>Nm |
|---|---|--|--|--|
| HB08-1  | 3 - 22  | -  | 19                                     | 23                                     |
| HB08-2  | 22 - 41   | -  | 19                                     | 23                                     |
| HB08-3  | 41 - 60   | -  | 19                                     | 23                                     |
| HB10-1  | 3 - 22  | -  | 24                                     | 45                                     |
| HB10-2  | 22 - 41   | -  | 24                                     | 45                                     |
| HB10-3  | 41 - 60   | -  | 24                                     | 45                                     |
| HB12-1  | 3 - 25  | -  | 30                                     | 80                                     |
| HB12-2  | 25 - 47   | -  | 30                                     | 80                                     |
| HB12-3  | 47 - 69   | -  | 30                                     | 80                                     |
| HB16-1  | 12 - 29   | 8  | 36                                     | 190                                    |
| HB16-2  | 29 - 50   | 8  | 36                                     | 190                                    |
| HB16-3  | 50 - 71   | 8  | 36                                     | 190                                    |
| HB20-1  | 12 - 34   | 8  | 46                                     | 300                                    |
| HB20-2  | 34 - 60   | 8  | 46                                     | 300                                    |
| HB20-3  | 60 - 86   | 8  | 46                                     | 300                                    |

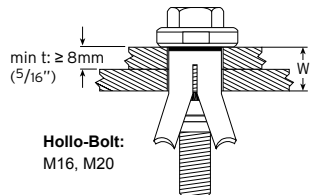
| Product Code<br>Artikelnummer<br>Code produit | Max. Clamping Range<br>Klemmlänge<br>Epaisseur de serrage<br>W | Outer Ply<br>Bauteil am Bund<br>Couche extérieure<br>min t | Collar<br>Bund<br>Collier<br>A/F | Torque<br>Anziehmoment<br>Couple<br>ft lb |
|---|--|--|----------------------------------|---|
| LHBM08 #1                                     | 1/8" - 7/8"  | -  | 3/4"                             | 17  |
| LHBM08 #2                                     | 7/8" - 1 5/8"  | -  | 3/4"                             | 17  |
| LHBM08 #3                                     | 1 5/8" - 2 3/8"  | -  | 3/4"                             | 17  |
| LHBM10 #1                                     | 1/8" - 7/8"  | -  | 15/16"                           | 33  |
| LHBM10 #2                                     | 7/8" - 1 5/8"  | -  | 15/16"                           | 33  |
| LHBM10 #3                                     | 1 5/8" - 2 3/8"  | -  | 15/16"                           | 33  |
| LHBM12 #1                                     | 1/8" - 1"  | -  | 1 3/16"                          | 59  |
| LHBM12 #2                                     | 1" - 1 13/16"  | -  | 1 3/16"                          | 59  |
| LHBM12 #3                                     | 1 13/16" - 2 3/4"  | -  | 1 3/16"                          | 59  |
| LHBM16 #1                                     | 1/2" - 1 1/8"  | 5/16"  | 1 3/8"                           | 140                                       |
| LHBM16 #2                                     | 1 1/8" - 2"  | 5/16"  | 1 3/8"                           | 140                                       |
| LHBM16 #3                                     | 2" - 2 13/16"  | 5/16"  | 1 3/8"                           | 140                                       |
| LHBM20 #1                                     | 1/2" - 1 5/16"   | 5/16"  | 1 13/16"                         | 221                                       |
| LHBM20 #2                                     | 1 5/16" - 2 3/8"   | 5/16"  | 1 13/16"                         | 221                                       |
| LHBM20 #3                                     | 2 3/8" - 3 3/8"  | 5/16"  | 1 13/16"                         | 221                                       |



**Across Flats**  
Konterschüsselweite  
Surplats



**Hollo-Bolt:**  
M8, M10, M12



**Hollo-Bolt:**  
M16, M20

### Installation Montage

