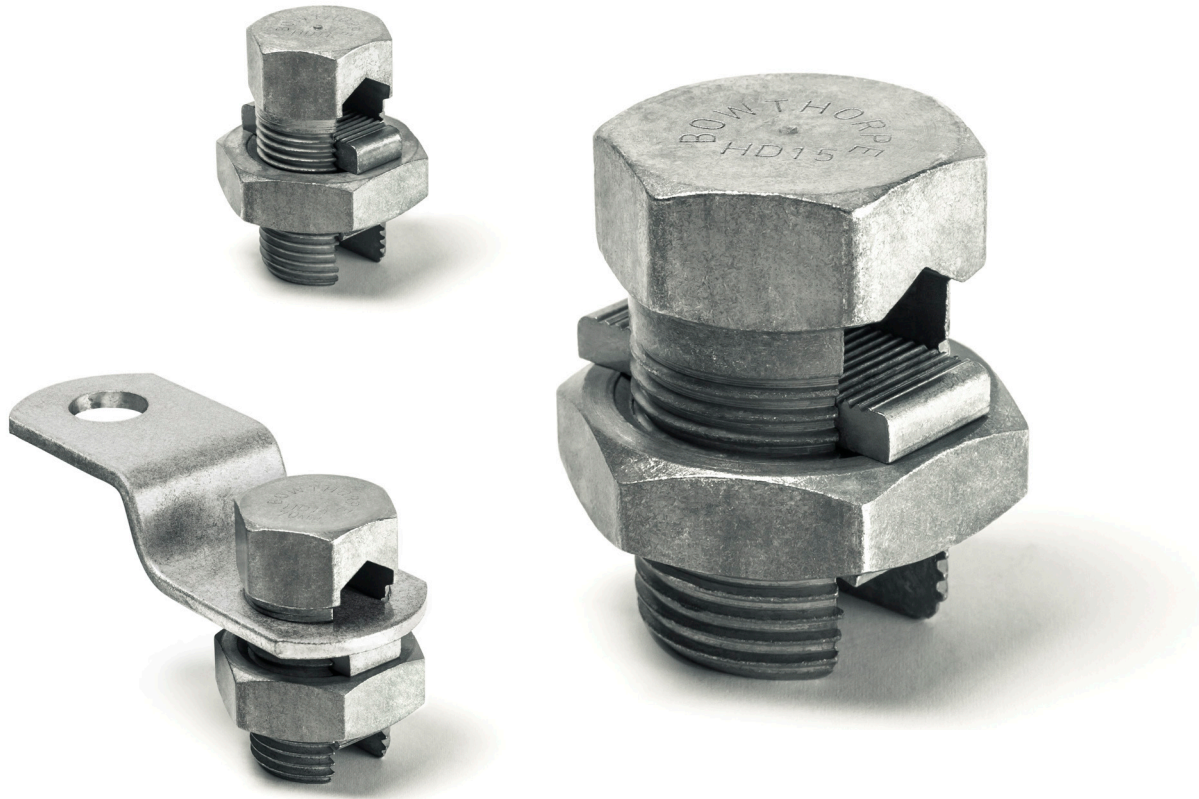


# BOWTHORPE HD Series Line Taps

The original New Zealand line tap tried and trusted by overhead lines engineers and linesmen since 1959.



## The safe and reliable operation of electricity distribution lines depends on the quality of overhead line fittings.

Over the years, BOWTHORPE HD Series Line Taps have earned an enviable record for robustness and reliability in New Zealand and overseas.

BOWTHORPE HD Series Line Taps have been used extensively across New Zealand electricity distribution networks since 1959. They have a long-term trouble free record in a wide variety of operating conditions.

They have also proven themselves to provide an inexpensive and lasting solution. They can be quickly and easily installed (and removed) without the need for special tools.

BOWTHORPE HD Series Line Taps are made in New Zealand from a particular grade of brass extrusion also made in New Zealand. Every step of the manufacturing process, including the metallurgy,

extrusion, machining, tinning and assembly, is critical to the performance of the product. Exacting quality control procedures are applied throughout to provide assurance that BOWTHORPE HD Series Line Taps conform to specification and can be relied on during installation and in service.

This also allows relatively high torque settings to be specified to provide assurance of correct installation time after time without damaging the conductor.

Five sizes cover all conductors from 4 – 120 mm<sup>2</sup>.

BOWTHORPE HD Line Taps have been type tested at an IANZ accredited laboratory to the latest revision of the thermal cycling test in BS 3288.1 (2014): This means a full 1,000 hours, at maximum and minimum application range, installed just as they are in the field. Do not accept anything less than this!

Note: all genuine BOWTHORPE HD Series Line Taps are marked with the name “BOWTHORPE”

# Product Data Sheet

## BOWTHORPE HD Series Line Taps

| Type  | Hamer code | Pack Quantity | Cross Section, mm <sup>2</sup> |     | Application Range Diameter, mm |      | Diameter, mm |           | Recommended Torque Setting, Nm |     |
|-------|------------|---------------|--------------------------------|-----|--------------------------------|------|--------------|-----------|--------------------------------|-----|
|       |            |               | Min                            | Max | Min                            | Max  | Min          | Max       | Min                            | Max |
| HD9   | BL500      | 500           | 4                              | 7   | 2.7                            | 4.0  | 7 / 0.91     | 7 / 1.12  | 5                              | 10  |
| HD10  | BL510      | 200           | 10                             | 16  | 3.8                            | 5.8  | 7 / 1.32     | 7 / 1.75  | 10                             | 15  |
| HD12  | BL520      | 150           | 16                             | 25  | 4.3                            | 6.6  | 7 / 1.63     | 7 / 2.14  | 15                             | 20  |
| HD12A | BL530      | 100           | 16                             | 35  | 5.3                            | 8.1  | 7 / 1.70     | 19 / 1.63 | 20                             | 25  |
| HD13  | BL540      | 50            | 25                             | 50  | 6.6                            | 10.1 | 7 / 2.11     | 19 / 1.83 | 40                             | 45  |
| HD14  | BL550      | 50            | 35                             | 70  | 7.3                            | 11.1 | 19 / 1.53    | 19 / 2.14 | 50                             | 55  |
| HD15  | BL565      | 25            | 50                             | 95  | 8.8                            | 13.4 | 19 / 1.75    | 37 / 1.83 | 105                            | 110 |
| HD18  | BL575      | 25            | 70                             | 120 | 10.5                           | 16.1 | 19 / 2.11    | 37 / 2.11 | 105                            | 110 |

## Palms for HD Series Line Taps

| Type     | Hamer code | Description                       |
|----------|------------|-----------------------------------|
| HD10P    | BL760      | For HD10 Line Tap                 |
| HD12P    | BL765      | For HD12 Line Tap                 |
| HD12AP   | BL770      | For HD12A Line Tap                |
| HD14P    | BL775      | For HD14 Line Tap                 |
| HD12APTH | BL900      | Braised palm for HD12A Line Tap   |
| HD12A&P  | BL920      | Palm assembly with HD12A Line Tap |



## HD Series Line Taps variants

| Type     | Hamer code | Description                        | Thread Size |
|----------|------------|------------------------------------|-------------|
| HD12TC   | BL610      | HD12 with drilled and tapped head  | 5/16" Whit  |
| HD12ATC  | BL620      | HD12A with drilled and tapped head | 3/8" Whit   |
| HD12ATCS | BL680      | HD12A with attached stud and nut   | 3/8" Whit   |



## Pole-mounted earth and neutral bars for HD Series Line Taps

| Type     | Hamer code | Description                         |
|----------|------------|-------------------------------------|
| ETB/3    | BL740      | Earth bar for 3x HD12A Line Taps    |
| ETB/4    | BL741      | Earth bar for 4x HD14 Line Taps     |
| ETB/312  | BL742      | Earth bar for 6x HD14 Line Taps     |
| ETB/4WAY | BL743      | Earth bar for 4x HD12A Line Taps    |
| A6134    | BL779      | Neutral bar with 4x M8 bolts tapped |



### Other literature available on request

Type test reports, drawings