



## CONNECT AND PROTECT

# nVent LENTON Mechanical Rebar Splicing Systems

As a pioneer in the construction industry, nVent has the experience and resources necessary to help select the nVent LENTON system that will best meet your cast-in-place or precast applications. nVent LENTON products also provide solutions for specialized market applications including High-Strength Bar, Nuclear, Cryogenic and Masonry.

- **WORLDWIDE CODE COMPLIANCE • QUALITY ENGINEERED PRODUCTS**
- **PROVEN PERFORMANCE • TRUSTED EXPERTS**

- |                                                                            |                                                                                  |                                                                                     |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>1.</b> nVent LENTON Terminator<br>Alternative to hooked rebar anchorage | <b>5.</b> nVent LENTON Interlok<br>Ideal for precast structures                  | <b>9.</b> nVent LENTON Connect<br>Ideal for in-situ splices                         |
| <b>2.</b> nVent LENTON Weldable<br>Ideal for composite construction        | <b>6.</b> nVent LENTON Taper Threaded Couplers<br>Slimmest coupler on the market | <b>10.</b> nVent LENTON Ultimate Couplers<br>Prequalified for Caltrans Ultimate use |
| <b>3.</b> nVent LENTON Quick Wedge<br>Ideal for quick retrofit             | <b>7.</b> nVent LENTON Speed Sleeve<br>For compression situations                | <b>11.</b> nVent LENTON Ultimate Anchors<br>Meets ASTM, A970 types A, HA and B      |
| <b>4.</b> nVent LENTON Cadweld<br>Premiere mechanical splicing system      | <b>8.</b> nVent LENTON Form Saver<br>Ideal for segmental pours                   |                                                                                     |



**LENTON**

# Worldwide Reinforcing Steel Bar Chart

ALL DIMENSIONS ARE NOMINAL

EN 10080, BS449, AS/NZS 4671, NCH204 OR NBR 7480    CAN/CSA-G30.18.M92

## METRIC DIMENSIONS

Bar Size (Metric)	Diameter (mm)	Area (mm <sup>2</sup> )	Weight (kg/m)
10	10.0	79	0.671
12	12.0	113	0.888
12.5	12.5	123	0.963
14	14.0	154	1.210
16	16.0	200	1.580
20	20.0	314	2.470
22	22.0	380	2.980
24	24.0	452	3.550
25	25.0	491	3.850
28	28.0	616	4.830
32	32.0	804	6.310
36	36.0	1020	7.990
40	40.0	1257	9.860
50	50.0	1963	15.400

## METRIC DIMENSIONS

Bar Size Canada	Diameter (mm)	Area (mm <sup>2</sup> )	Weight (kg/m)
10M	11.3	100	0.785
15M	16.0	200	1.580
20M	19.5	300	2.355
25M	25.2	500	3.925
30M	29.9	700	5.495
35M	35.7	1000	7.850
45M	43.7	1500	11.775
55M	56.4	2500	19.625

## ASTM® A615 / A706

### METRIC DIMENSIONS

Bar Size, US (ASTM)	Diameter (mm)	Area (mm <sup>2</sup> )	Weight (kg/m)
#3	9.5	71	0.560
#4	12.7	129	0.994
#5	15.9	199	1.552
#6	19.1	284	2.235
#7	22.2	387	3.042
#8	25.4	510	3.973
#9	28.7	645	5.060
#10	32.3	819	6.404
#11	35.8	1006	7.907
#14	43.0	1452	11.380
#18	57.3	2581	20.240

### IMPERIAL DIMENSIONS

Bar Size, US (ASTM)	Diameter (in)	Area (in <sup>2</sup> )	Weight (lb/ft)
#3	0.375	0.11	0.376
#4	0.500	0.20	0.668
#5	0.625	0.31	1.043
#6	0.750	0.44	1.502
#7	0.875	0.60	2.044
#8	1.000	0.79	2.670
#9	1.128	1.00	3.400
#10	1.270	1.27	4.303
#11	1.410	1.56	5.313
#14	1.693	2.25	7.650
#18	2.257	4.00	13.600

## UNIT CONVERSIONS

kilogram (kg) = 2.2046 lb.  
 1 millimeter (mm) = .03937 in.  
 1 meter (m) = 3.281 ft.  
 1 square millimeter (mm<sup>2</sup>) = .00155 in.<sup>2</sup>

1 kilogram/meter (kg/m) = .6719 lb./ft.  
 1 metric/ton = 1000 kg  
 = 2204.6 lb  
 1 megapascal (MPa) = 1 Newton/mm<sup>2</sup>  
 = 145.03 psi



Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**