



# Industry Leading Performance

|                                 | System Size   | Product Name          | Part Number | Shot Density    | Phasing           | Qualified For Shooting |      | Explosive Load |                  | API Casing Size | Entrance Hole | Penetration   |                   |
|---------------------------------|---|-----------------------|-------------|-----------------|-------------------|------------------------|------|----------------|------------------|-----------------|---------------|---------------|-------------------|
|                                 | <i>inches</i>   |                       |             | <i>per foot</i> | <i>degrees</i>    | In Fluid               | Dry  | <i>grams</i>   | <i>explosive</i> | <i>inches</i>   | <i>inches</i> | <i>inches</i> | <i>test</i>       |
| <b>EXTREME DEEP PENETRATING</b> | 1 9/16  | 1503 RAZOR® XDP       | EC1-15A0322 | 4               | 0 / 60 / 90       | ✓                      | ✓    | 3.2            | HMX              | 2 7/8           | 0.19          | 13.09         | API RP 43         |
|                                 | 1 3/4   | 1705 RAZOR® XDP       | EC1-17A0522 | 4D / 6F         | 0 / 60 / 90       | ✓                      | ✓    | 5.1            | HMX              | 4 1/2           | 0.26          | 21.63         | API RP 43         |
|                                 | 2   | 2007 RAZOR® XDP       | EC1-20A0722 | 6               | 0 / 60 / 90       | ✓                      |      | 6.8            | HMX              | 2 7/8           | <b>0.25</b>   | <b>22.30</b>  | <b>API RP 19B</b> |
|                                 | 2 3/8   | 2311 RAZOR® XDP       | EC2-23A1122 | 6               | 60                | ✓                      |      | 11.0           | HMX              | 3 1/2           | 0.31          | 30.11         | API RP 43         |
|                                 | 2 1/2   | 2511 RAZOR® XDP       | EC1-25A1122 | 6               | 60                | ✓                      |      | 11.5           | HMX              | 3 1/2           | <b>0.32</b>   | <b>31.10</b>  | <b>API RP 19B</b> |
|                                 | 2 3/4   | 2715 RAZOR® XDP       | EC2-27A1522 | 6               | 60                | ✓                      | ✓    | 15.0           | HMX              | 4 1/2           | 0.39          | 37.45         | API RP 43         |
|                                 | 2 7/8   | 2715 RAZOR® XDP       | EC2-27A1522 | 6               | 60                | ✓                      | ✓    | 15.0           | HMX              | 4 1/2           | <b>0.34</b>   | <b>35.10</b>  | <b>API RP 19B</b> |
|                                 | 2 7/8   | 2818 RAZOR® XDP       | EC2-28A1822 | 6               | 60                | ✓                      |      | 18.0           | HMX              | 4 1/2           | 0.43          | 40.05         | API RP 43         |
|                                 | 3 1/8   | 3323 RAZOR® XDP       | EC2-33A2322 | 6               | ±30 LS / 60 / 180 | ✓                      |      | 22.7           | HMX              | 4 1/2           | 0.42          | 46.01         | API RP 43         |
|                                 | 3 3/8   | 3323 RAZOR® XDP       | EC2-33A2322 | 6               | ±30 LS / 60 / 180 | ✓                      | ✓    | 22.7           | HMX              | 4 1/2           | 0.45          | 46.32         | API RP 43         |
|                                 | 3 3/8   | 3325 RAZOR® XDP       | EC2-33B2522 | 6               | ±30 LS / 60 / 180 | ✓                      |      | 25.0           | HMX              | 4 1/2           | <b>0.53</b>   | <b>47.30</b>  | <b>API RP 19B</b> |
|                                 | 4   | 3325 RAZOR® XDP       | EC2-33B2522 | 6               | 60                | ✓                      | ✓    | 25.0           | HMX              | 5 1/2           | 0.47          | 46.11         | API RP 43         |
|                                 | 4   | 4039 RAZOR® XDP       | EC2-40A3922 | 4               | 60 / 90           | ✓                      |      | 39.0           | HMX              | 5 1/2           | <b>0.39</b>   | <b>53.00</b>  | <b>API RP 19B</b> |
|                                 | 4 1/2   | 4039 RAZOR® XDP       | EC2-40A3922 | 5               | 60                | ✓                      |      | 39.0           | HMX              | 7               | <b>0.44</b>   | <b>62.90</b>  | <b>API RP 19B</b> |
|                                 | 4 1/2   | 3323 RAZOR® XDP       | EC2-33A2322 | 12              | 135-45            | ✓                      |      | 22.7           | HMX              | 7               | <b>0.38</b>   | <b>34.90</b>  | <b>API RP 19B</b> |
| 7                               | 4039 RAZOR® XDP   | EC2-40A3922           | 12          | 135-45          | ✓                 |                        | 39.0 | HMX            | 9 5/8            | 0.41            | 53.60         | API RP 43     |                   |
| <b>SUPER BIG HOLE</b>           | 4 5/8   | 4626 RAZOR® SBH TL LD | EC2-46A2631 | 16              | 140-20            | ✓                      |      | 26.0           | RDX              | 7               | <b>0.90</b>   | <b>5.5</b>    | <b>API RP 19B</b> |
|                                 | 4 5/8   | 4626 RAZOR® SBH TL LD | EC2-46A2631 | 16              | 140-20            | ✓                      |      | 26.0           | RDX              | 7 3/4           | <b>0.96</b>   | <b>5.4</b>    | <b>API RP 19B</b> |
|                                 | 5   | 5132 RAZOR® SBH TL LD | EC2-51A3231 | 16              | 140-20            | ✓                      |      | 32.0           | RDX              | 7 5/8           | <b>1.04</b>   | <b>6.7</b>    | <b>API RP 19B</b> |
|                                 | 5 1/8   | 5132 RAZOR® SBH TL LD | EC2-51A3231 | 16              | 140-20            | ✓                      |      | 32.0           | RDX              | 7 5/8           | <b>1.07</b>   | <b>6.7</b>    | <b>API RP 19B</b> |
|                                 | 7   | 7039 RAZOR® SBH TL LD | EC2-70C3931 | 15              | 140-20            | ✓                      |      | 39.0           | RDX              | 9 5/8           | 1.24          | 7.08          | API RP 43         |
|                                 | 7   | 7052 RAZOR® SBH TL LD | EC2-70C5231 | 15              | 140-20            | ✓                      |      | 52.0           | RDX              | 9 5/8           | <b>1.39</b>   | <b>6.5</b>    | <b>API RP 19B</b> |
|                                 | 7   | **7052K RAZOR® SBH    | EC2-70K5231 | 20              | 90/45             | ✓                      |      | 52.0           | RDX              | 9 5/8           | 1.42          | 7.06          | API RP 43         |
|                                 | ** RAZOR® SBH Charges are available in steel case designs upon request. Please contact your local sales representative with questions |                       |             |                 |                   |                        |      |                |                  |                 |               |               |                   |