



## PILOTED OXYGEN SINGLE HOLE BURNER TIPS

Carlisle Piloted Oxygen Burner Tips are offered in a multitude of different styles. These tips can be manufactured from brass, stainless steel, or both. They can be used on a number of different hand torches, machines, or in custom manifolds such as a crossfire setup. Carlisle tips are manufactured for use with a mixture of oxygen and either natural gas, propane, or mixed gas. Although some of Carlisle's other tips are used with a mixture of hydrogen and oxygen, it is recommended that this mixture not be used with any type of piloted burner. Carlisle also recommends that hydrogen and oxygen mixtures not be used with any type of pre-mixed burners except single hole un-piloted burner tips. Piloting allows the flame produced by a burner to provide increased stability. Piloted Oxygen Burner Tips achieve this effect through the use of knurled inserts that form a ring of smaller ports around the larger center orifice. This low level of burning gas forms a supporting foundation around the center flame. Due to the increased stability, an operator is able to push the burner harder without the flame moving off of the face of the burner.



### ***OX1300-A SERIES***

This series is offered in both brass and stainless steel. The body style is hexagonal. This burner is utilized frequently on machinery for glassworking.

1300-A



### ***OX1319 SERIES***

The OX1319 series is offered in stainless steel only. This series has one of the largest flame outputs of any single orifice piloted tip sold by Carlisle. By using a unique double ring piloting system, these tips can utilize exceptionally large center drill sizes and still develop flame lengths over 12".

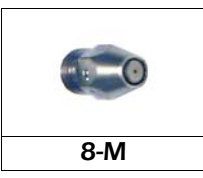
OX1319



### ***IT SERIES***

The IT tip series, offered only in stainless steel, is a unique series because of the design of its piloting. Rather than using a knurled insert, this series uses a milled slot for piloting that is located below the port configuration. This design makes it very difficult for a blow-off to occur. For varied flame types, this series is offered with 1 - 3 port holes.

IT-2



### ***8 SERIES***

The 8 burner series is offered only in stainless steel. The 8 series consists of mostly smaller burners which are used for their pinpoint flames. Most burners in this series are still able to produce overall flame lengths of between 3" - 6" with focal lengths of 1/8" - 3/8".

8-M

#### BULLETIN REFERENCES

|   |                                   |
|---|-----------------------------------|
| Hand Torches-   | Bulletins 22A, 22B, 22C, 22D, 22E |
| Adapters-   | Bulletin 24C                      |
| Carlisle Piloted Oxygen Burner Tips are pre-mixed. As with any pre-mixed burner, be sure to use the proper equipment: |                                   |
| Mixers-   | Bulletins 17C, 16E                |
| Controls-   | Bulletins 16A, 16E                |
| Safety-   | Bulletins 18A, 18B                |

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OF-4

**OF SERIES**

The OF series is offered in brass only. Their body style is hexagonal. This series is very similar to the OX1300-A series. The main difference between the two is their body styles. In most cases, the OF series is a full 2" long where as the 1300-A series is standardly closer to a 1" length. The center drill sizes of this series have a larger range compared to the 1300-A series.



693-D

**693 SERIES**

This series is offered only in stainless steel. The body style is round and constructed from 1/8" pipe. This series offers two distinct sizes depending on the customer's needs. By specifying any burner numbers with a suffix of "D", these burners will be made in a length of 2" rather than the standard 1".



693



OX-2

**OX SERIES**

This series is offered in both brass and stainless steel. The body style is hexagonal. This burner is threaded to fit the standard oxygen nozzle for use with all Carlisle hand torches (Bulletin 22A, 22B). This series has 5 tips numbered 1 - 5. The larger numbers signify a larger center drill size and a greater flame output.



OX-2-MP

**OX-MP SERIES**

This series is offered only in brass. The body style is hexagonal. The OX-MP series has a very unique 3/16" x 40 thread to fit the Hoke Oxygen Torch. This series has 5 tips numbered 1 - 5. The larger numbers signify a larger center drill size and a greater flame output.



NOX-2

**NOX SERIES**

This series is offered in both brass and stainless steel. The body style is hexagonal. This burner has a 7/16"-24 thread to fit both the Carlisle High Capacity Hand Torch (Bulletin 22E) and the 3A National Hand Torch. The NOX series has 5 tips numbered 1 - 5. The larger numbers signify a larger center drill size and a greater flame output.

## BURNER TIP SERIES SPECIFICATIONS CHARTS

The following section of charts give specific information concerning Carlisle Piloted Single Fire Burner Tips. The summary below will define a few of the chart's fields. If there are any further questions concerning these charts, contact Carlisle directly and our sales staff will be happy to help you.

|   |  |
|---|--|
| <p><i>CATALOG NUMBER</i><br/> <i>BURNER NUMBER</i><br/> <i>BODY SIZE</i><br/> <i>FOCAL LENGTH</i><br/> <i>OVERALL FLAME LENGTH</i><br/> <i>BTU/HR</i></p> | <p>This represents Carlisle's number by which the burner tip can be ordered.<br/> This number represents a more universally recognized model number.<br/> In hex or round, this is a measurement of the diameter of the burner's body.<br/> This is the length of the focused smaller blue flame under normal operation.<br/> This is the length of the flame from the face of the tip to the very end.<br/> The approximate BTU/HR of the tip at 12" W.C. natural gas and oxygen mixture.</p> |
|---|--|

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| CATALOG NUMBER | BURNER NUMBER | MATERIAL | BODY SIZE  | BODY LENGTH | CTR. DRILL | THREAD SIZE | FOCAL LENGTH | OVERALL FLAME | BTU/HR @ 12" W.C. NATURAL GAS & OXYGEN MIX |
|----------------|---------------|----------|------------|-------------|------------|-------------|--------------|---------------|--|
| 15A001-0000    | OX1300-A      | BRS      | 7/16" HEX  | 1 1/4"      | #55        | 1/8" MPT    | 3/8"         | 7"            | 4,410                                      |
| 15A002-0000    | OX1300-A      | SS       | 7/16" HEX  | 1 1/4"      | #55        | 1/8" MPT    | 3/8"         | 7"            | 4,410                                      |
| 15A003-0000    | OX1301-A      | BRS      | 7/16" HEX  | 1 1/4"      | #49        | 1/8" MPT    | 1/2"         | 4 1/2"        | 8,580                                      |
| 15A004-0000    | OX1301-A      | SS       | 7/16" HEX  | 1 1/4"      | #49        | 1/8" MPT    | 1/2"         | 4 1/2"        | 8,580                                      |
| 15A005-0000    | OX1301-B      | BRS      | 7/16" HEX  | 1 1/4"      | #31        | 1/8" MPT    | 1/2"         | 4 1/2"        | 23,680                                     |
| 15A006-0000    | OX1301-B      | SS       | 7/16" HEX  | 1 1/4"      | #31        | 1/8" MPT    | 1/2"         | 4 1/2"        | 23,680                                     |
| 15A007-0000    | OX1142-A      | BRS      | 7/16" HEX  | 1 1/4"      | #58        | 1/8" MPT    | 3/8"         | 7"            | 2,910                                      |
| 15A008-0000    | OX1142-A      | SS       | 7/16" HEX  | 1 1/4"      | #58        | 1/8" MPT    | 3/8"         | 7"            | 2,910                                      |
| 15A009-0000    | OX1142-C      | BRS      | 7/16" HEX  | 1"          | #58        | 1/8" FPT    | 3/8"         | 7"            | 2,910                                      |
| 15A010-0000    | OX1142-C      | SS       | 7/16" HEX  | 1"          | #58        | 1/8" FPT    | 3/8"         | 7"            | 2,910                                      |
| 15A011-0000    | OX1142-J      | BRS      | 7/16" HEX  | 1 1/4"      | #68        | 1/8" MPT    | 1/8"         | 3"            | 1,580                                      |
| 15A012-0000    | OX1142-J      | SS       | 7/16" HEX  | 1 1/4"      | #68        | 1/8" MPT    | 1/8"         | 3"            | 1,580                                      |
| 15A013-0000    | OX1319        | SS       | 5/8" HEX   | 1 3/4"      | #34        | 1/4" FPT    | 5/8"         | 8 1/2"        | 20,480                                     |
| 15A014-0000    | OX1320        | SS       | 5/8" HEX   | 1 3/4"      | #29        | 1/4" FPT    | 3/4"         | 11"           | 30,400                                     |
| 15A015-0000    | OX1321        | SS       | 5/8" HEX   | 1 3/4"      | #25        | 1/4" FPT    | 1"           | 12 1/2"       | 37,120                                     |
| 15A016-0000    | 8-A           | SS       | 1/4" HEX   | 1/2"        | #70        | 1/4"-27 M   | 1/4"         | 3"            | 1,300                                      |
| 15A017-0000    | 8-B           | SS       | 15/64" DIA | 1/2"        | #70        | 6/32 F      | 1/4"         | 3"            | 1,300                                      |
| 15A018-0000    | 8-C           | SS       | 15/64" DIA | 1/2"        | #75        | 6/32 F      | 1/4"         | 2 5/8"        | 736  |
| 15A019-0000    | 8-D           | SS       | 15/64" DIA | 1/2"        | #68        | 6/32 F      | 1/4"         | 4"            | 1,580                                      |
| 15A020-0000    | 8-E           | SS       | 15/64" DIA | 1/2"        | #68        | 6/32 F      | 1/4"         | 5"            | 1,580                                      |
| 15A021-0000    | 8-F           | SS       | 1/4" HEX   | 1/2"        | #75        | 1/4"-27 M   | 1/4"         | 2 5/8"        | 736  |
| 15A022-0000    | 8-G           | SS       | 15/64" DIA | 1/2"        | #68        | 6/32 F      | 1/4"         | 5"            | 1,580                                      |
| 15A023-0000    | 8-H           | SS       | 1/4" HEX   | 1"          | #68        | 1/4"-27 M   | 1/4"         | 6"            | 1,580                                      |
| 15A024-0000    | 8-L           | SS       | 1/4" HEX   | 1/2"        | #79        | 1/4"-27 M   | 1/8"         | 2"            | 340  |
| 15A025-0000    | 8-M           | SS       | 1/4" HEX   | 1/2"        | #80        | 1/4"-27 M   | 1/8"         | 2"            | 300  |
| 15A026-0000    | 8-N           | SS       | 1/4" HEX   | 1/2"        | #68        | 1/4"-27 M   | 1/4"         | 6"            | 1,580                                      |
| 15A027-0000    | 8-P           | SS       | 1/4" HEX   | 1/2"        | #65        | 1/4"-27 M   | 1/4"         | 7"            | 2,010                                      |
| 15A027-1000    | 8-R           | SS       | 1/4" HEX   | 1/2"        | #71        | 1/4"-27 M   | 1/4"         | 3"            | 1,110                                      |
| 15A028-0000    | 8-DX          | SS       | 1/4" HEX   | 1/2"        | #58        | 1/4"-27 M   | 3/8"         | 3 1/2"        | 2,910                                      |
| 15A029-0000    | 8-DXS         | SS       | 1/4" HEX   | 3/8"        | #58        | 1/4"-27 M   | 3/8"         | 3 1/2"        | 2,910                                      |

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| CATALOG NUMBER | BURNER NUMBER    | MATERIAL | BODY SIZE | BODY LENGTH | CTR. DRILL | THREAD SIZE | FOCAL LENGTH | OVERALL FLAME | BTU / HR @ 12 W.C. NATURAL GAS & OXYGEN MIX |
|----------------|------------------|----------|-----------|-------------|------------|-------------|--------------|---------------|---|
| 15A030-0000    | 1635             | SS       | .405" DIA | 1"          | #30        | 1/8" MPT    | 3/8"         | 3 1/2"        | 27,250                                      |
| 15A031-0000    | 1635D            | SS       | .405" DIA | 2"          | #30        | 1/8" MPT    | 3/8"         | 3 1/2"        | 27,520                                      |
| 15A032-0000    | 1636             | SS       | .405" DIA | 1"          | #33        | 1/8" MPT    | 3/8"         | 4 1/2"        | 21,120                                      |
| 15A033-0000    | 1636D            | SS       | .405" DIA | 2"          | #33        | 1/8" MPT    | 3/8"         | 4 1/2"        | 21,120                                      |
| 15A034-0000    | 1637             | SS       | .405" DIA | 1"          | #44        | 1/8" MPT    | 3/8"         | 4 1/4"        | 12,190                                      |
| 15A035-0000    | 1637D            | SS       | .405" DIA | 2"          | #44        | 1/8" MPT    | 3/8"         | 4 1/4"        | 12,190                                      |
| 15A036-0000    | 1638             | SS       | .405" DIA | 1"          | #50        | 1/8" MPT    | 3/8"         | 5 1/4"        | 7,930                                       |
| 15A037-0000    | 1638D            | SS       | .405" DIA | 2"          | #50        | 1/8" MPT    | 3/8"         | 5 1/4"        | 7,930                                       |
| 15A038-0000    | 1639             | SS       | .405" DIA | 1"          | #60        | 1/8" MPT    | 1/4"         | 5"            | 2,650                                       |
| 15A039-0000    | 1639D            | SS       | .405" DIA | 2"          | #60        | 1/8" MPT    | 1/4"         | 5"            | 2,650                                       |
| 15A040-0000    | 693              | SS       | .405" DIA | 1"          | #55        | 1/8" MPT    | 3/8"         | 6 1/4"        | 4,410                                       |
| 15A041-0000    | 693D             | SS       | .405" DIA | 2"          | #55        | 1/8" MPT    | 3/8"         | 6 1/4"        | 4,410                                       |
| 15A042-0000    | 960              | SS       | .405" DIA | 1"          | #76        | 1/8" MPT    | 1/8"         | 2"            | 650   |
| 15A043-0000    | 960D             | SS       | .405" DIA | 2"          | #76        | 1/8" MPT    | 1/8"         | 2"            | 650   |
| 15A044-0000    | 814              | SS       | .405" DIA | 1"          | #50        | 1/8" MPT    | 3/8"         | 7"            | 7,930                                       |
| 15A045-0000    | 814D             | SS       | .405" DIA | 2"          | #50        | 1/8" MPT    | 3/8"         | 7"            | 7,930                                       |
| 15A046-0000    | IT-1<br>(1 PORT) | SS       | 7/16" HEX | 15/16"      | #76        | 1/8" MPT    | 1/8"         | 1"            | 660   |
| 15A047-0000    | IT-1<br>(1 PORT) | SS       | 7/16" HEX | 19/32"      | #76        | 1/8" MPT    | 1/8"         | 1"            | 660   |
| 15A048-0000    | IT-2<br>(2 PORT) | SS       | 7/16" HEX | 15/16"      | #76        | 1/8" MPT    | 1/8"         | 1 7/8"        | 1,320                                       |
| 15A049-0000    | IT-3<br>(3 PORT) | SS       | 7/16" HEX | 15/16"      | #78        | 1/8" MPT    | 1/8"         | 2 3/4"        | 1,270                                       |
| 15A050-0000    | OX-1             | BRS      | 3/8" HEX  | 15/16"      | #70        | 1/4"-28 F   | 1/8"         | 4 1/2"        | 1,300                                       |
| 15A051-0000    | OX-1             | SS       | 3/8" HEX  | 15/16"      | #70        | 1/4"-28 F   | 1/8"         | 4 1/2"        | 1,300                                       |
| 15A052-0000    | OX-2             | BRS      | 3/8" HEX  | 15/16"      | #65        | 1/4"-28 F   | 1/4"         | 3 1/4"        | 2,020                                       |
| 15A053-0000    | OX-2             | SS       | 3/8" HEX  | 15/16"      | #65        | 1/4"-28 F   | 1/4"         | 3 1/4"        | 2,020                                       |
| 15A054-0000    | OX-3             | BRS      | 3/8" HEX  | 15/16"      | #56        | 1/4"-28 F   | 5/16"        | 4 1/2"        | 3,580                                       |
| 15A055-0000    | OX-3             | SS       | 3/8" HEX  | 15/16"      | #56        | 1/4"-28 F   | 5/16"        | 4 1/2"        | 3,580                                       |
| 15A056-0000    | OX-4             | BRS      | 3/8" HEX  | 15/16"      | #53        | 1/4"-28 F   | 3/8"         | 5"            | 5,700                                       |
| 15A057-0000    | OX-4             | SS       | 3/8" HEX  | 15/16"      | #53        | 1/4"-28 F   | 3/8"         | 5"            | 5,700                                       |
| 15A058-0000    | OX-5             | BRS      | 3/8" HEX  | 15/16"      | #50        | 1/4"-28 F   | 7/16"        | 5 1/2"        | 7,930                                       |
| 15A059-0000    | OX-5             | SS       | 3/8" HEX  | 15/16"      | #50        | 1/4"-28 F   | 7/16"        | 5 1/2"        | 7,930                                       |

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| CATALOG NUMBER | BURNER NUMBER | MATERIAL | BODY SIZE | BODY LENGTH | CTR. DRILL | THREAD SIZE | FOCAL LENGTH | OVERALL FLAME | BTU/HR @ 12 W.C. NATURAL GAS & OXYGEN MIX |
|----------------|---------------|----------|-----------|-------------|------------|-------------|--------------|---------------|---|
| 15A060-0000    | OF-1          | BRS      | 7/16" HEX | 2"          | #65        | 1/8" MPT    | 1/4"         | 3 1/2"        | 2,010                                     |
| 15A061-0000    | OF-2          | BRS      | 7/16" HEX | 1 7/16"     | #65        | 1/8" MPT    | 3/16"        | 1 1/4"        | 2,010                                     |
| 15A062-0000    | OF-3          | BRS      | 7/16" HEX | 2"          | #63        | 1/8" MPT    | 1/4"         | 5"            | 2,270                                     |
| 15A063-0000    | OF-4          | BRS      | 7/16" HEX | 1 7/16"     | #63        | 1/8" MPT    | 3/16"        | 3"            | 2,270                                     |
| 15A064-0000    | OF-5          | BRS      | 7/16" HEX | 2"          | #77        | 1/8" MPT    | 3/16"        | 2 1/4"        | 530                                       |
| 15A078-0000    | OF-19         | BRS      | 7/16" HEX | 2"          | #58        | 1/8" MPT    | 5/8"         | 4 1/2"        | 2,910                                     |
| 15A079-0000    | NOX-1         | BRS      | 1/2" HEX  | 1 1/4"      | #70        | 7/16"-24 F  | 1/8"         | 4 1/2"        | 1,300                                     |
| 15A080-0000    | NOX-1         | SS       | 1/2" HEX  | 1 1/4"      | #70        | 7/16"-24 F  | 1/8"         | 4 1/2"        | 1,300                                     |
| 15A081-0000    | NOX-2         | BRS      | 1/2" HEX  | 1 1/4"      | #65        | 7/16"-24 F  | 1/4"         | 3 1/4"        | 2,010                                     |
| 15A082-0000    | NOX-2         | SS       | 1/2" HEX  | 1 1/4"      | #65        | 7/16"-24 F  | 1/4"         | 3 1/4"        | 2,010                                     |
| 15A083-0000    | NOX-3         | BRS      | 1/2" HEX  | 1 1/4"      | #56        | 7/16"-24 F  | 5/16"        | 4 1/2"        | 3,580                                     |
| 15A084-0000    | NOX-3         | SS       | 1/2" HEX  | 1 1/4"      | #56        | 7/16"-24 F  | 5/16"        | 4 1/2"        | 3,580                                     |
| 15A085-0000    | NOX-4         | BRS      | 1/2" HEX  | 1 1/4"      | #53        | 7/16"-24 F  | 3/8"         | 5"            | 5,700                                     |
| 15A086-0000    | NOX-4         | SS       | 1/2" HEX  | 1 1/4"      | #53        | 7/16"-24 F  | 3/8"         | 5"            | 5,700                                     |
| 15A087-0000    | NOX-5         | BRS      | 1/2" HEX  | 1 1/4"      | #50        | 7/16"-24 F  | 7/16"        | 5 1/2"        | 7,930                                     |
| 15A088-0000    | NOX-5         | SS       | 1/2" HEX  | 1 1/4"      | #50        | 7/16"-24 F  | 7/16"        | 5 1/2"        | 7,930                                     |
| 15A089-0000    | OX-1-MP       | BRS      | 1/4" HEX  | 7/8"        | #60        | 3/16"-40 M  | 1/8"         | 2"            | 2,650                                     |
| 15A090-0000    | OX-2-MP       | BRS      | 1/4" HEX  | 7/8"        | #56        | 3/16"-40 M  | 1/4"         | 4"            | 3,580                                     |
| 15A091-0000    | OX-3-MP       | BRS      | 1/4" HEX  | 7/8"        | #54        | 3/16"-40 M  | 3/8"         | 6"            | 4,920                                     |
| 15A092-0000    | OX-4-MP       | BRS      | 1/4" HEX  | 7/8"        | #51        | 3/16"-40 M  | 7/16"        | 6 1/2"        | 7,200                                     |
| 15A093-0000    | OX-5-MP       | BRS      | 1/4" HEX  | 7/8"        | #45        | 3/16"-40 M  | 1/2"         | 7 1/2"        | 11,070                                    |
| 15A114-0000    | OX-20         | SS       | 7/16" HEX | 1"          | #75        | 1/8"-27 M   | 1/4"         | 2 1/2"        | 742                                       |
| 15A115-0000    | OX-21         | SS       | 7/16" HEX | 1"          | #70        | 1/8"-27 M   | 1/4"         | 3"            | 1,300                                     |
| 15A116-0000    | OX-22         | SS       | 7/16" HEX | 1"          | #65        | 1/8"-27 M   | 3/8"         | 6"            | 2,010                                     |
| 15A117-0000    | OX-23         | SS       | 7/16" HEX | 1"          | #56        | 1/8"-27 M   | 3/8"         | 7"            | 4,230                                     |
| 15A118-0000    | OX-24         | SS       | 7/16" HEX | 1"          | #53        | 1/8"-27 M   | 1/2"         | 8"            | 4,980                                     |
| 15A119-0000    | OX-25         | SS       | 7/16" HEX | 1"          | #50        | 1/8"-27 M   | 1/2"         | 8 1/2"        | 7,920                                     |
| 15A120-0000    | OX-26         | SS       | 7/16" HEX | 1"          | #45        | 1/8"-27 M   | 1/2"         | 9"            | 11,110                                    |

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# UN-PILOTED OXYGEN SINGLE HOLE BURNER TIPS

Carlisle Un-piloted Oxygen Burner Tips are offered in many different styles. These tips can be manufactured from brass or stainless steel. They can be used on a number of different hand torches, on machines, or in custom manifolds such as a crossfire setup. Carlisle tips are manufactured for use with a mixture of oxygen and either natural gas, propane, hydrogen, or mixed gas. Although extreme caution should be used with the use of hydrogen in any pre-mixed environment.

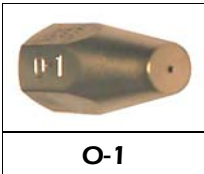
## BULLETIN REFERENCES

Hand Torches- Bulletins 22A, 22B, 22C, 22D, 22E  
Adapters- Bulletin 24C

Carlisle Un-piloted Oxygen Burner Tips are pre-mixed. As with any pre-mixed burner, be sure to use the proper equipment:

Mixers- Bulletins 17C, 16E  
Controls- Bulletins 16A, 16E

Unlike the Piloted Burner Series, these tips only have a center drill port and no knurled inserts. The lack of supporting flame from the missing piloting means that the tip can not be pushed as hard as a tip with piloting. Although, it is important to note that with an un-piloted tip, an operator will achieve a much sharper flame. Also, the tips in the Un-piloted Burner Series can have a much larger center drill port.



O-1

### *O SERIES*

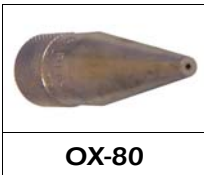
This series is offered in both brass and stainless steel. The body style is hexagonal. This burner is threaded to fit the standard oxygen nozzle for use with all Carlisle hand torches (Bulletin 22A, 22B). This series has 5 tips numbered 1 - 5. The larger numbers signify a larger center drill size and a greater flame output.



AK-1

### *AK SERIES*

This series is offered in both brass and stainless steel. The body style is hexagonal. This burner is threaded to fit the 3/8" nozzle for use with all Carlisle hand torches (Bulletin 22A, 22B). This series has 5 tips numbered 1 - 5. The larger numbers signify a larger center drill size and a greater flame output.



OX-80

### *OX SERIES*

The OX Series is only offered in a brass model. This series has a very different setup from that of other tips in it's section. The range of tips go from small flame outputs to extremely large flame outputs. It is important to note that all of the center drill ports for the OX series are measured in millimeters on the specification charts.



OXU

### *OXU SERIES*

This series is only offered in brass. The body style is hexagonal at the base, with a round tapered head. These tips are unique due to their optional mounting system. They can be purchased with a special ball joint mounted to the base of the frame which makes them very versatile for positioning.

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# BURNER TIP SERIES SPECIFICATIONS CHARTS

The following section of charts give specific information concerning Carlisle Un-piloted Single Fire Burner Tips. The summary below will define a few of the chart's fields. If there are any further questions concerning these charts, contact Carlisle directly and our sales staff will be happy to help you.

|                             |   |
|-----------------------------|---|
| <i>CATALOG NUMBER</i>       | This represents Carlisle's number by which the burner tip can be ordered.     |
| <i>BURNER NUMBER</i>        | This number represents a more universally recognized model number.            |
| <i>BODY SIZE</i>            | In hex or round, this is a measurement of the diameter of the burner's body.  |
| <i>FOCAL LENGTH</i>         | This is the length of the focused smaller blue flame under normal operation.  |
| <i>OVERALL FLAME LENGTH</i> | This is the length of the flame from the face of the tip to the very end.     |
| <i>BTU/HR</i>               | The approximate BTU/HR of the tip at 12" W.C. natural gas and oxygen mixture. |

| CATALOG NUMBER | BURNER NUMBER | MATERIAL | BODY SIZE | BODY LENGTH | CTR. DRILL | THREAD SIZE | FOCAL LENGTH | OVERALL FLAME | BTU / HR @ 12 W.C. NATURAL GAS & OXYGEN MIX |
|----------------|---------------|----------|-----------|-------------|------------|-------------|--------------|---------------|---|
| 15A094-0000    | AK-1          | BRS      | 1/2" HEX  | 1 1/4"      | #70        | 3/8"-32 F   | 3/16"        | 4 1/2"        | 1,300                                       |
| 15A095-0000    | AK-1          | SS       | 1/2" HEX  | 1 1/4"      | #70        | 3/8"-32 F   | 3/16"        | 4 1/2"        | 1,300                                       |
| 15A096-0000    | AK-2          | BRS      | 1/2" HEX  | 1 1/4"      | #65        | 3/8"-32 F   | 1/2"         | 6"            | 2,020                                       |
| 15A097-0000    | AK-2          | SS       | 1/2" HEX  | 1 1/4"      | #65        | 3/8"-32 F   | 1/2"         | 6"            | 2,020                                       |
| 15A098-0000    | AK-3          | BRS      | 1/2" HEX  | 1 1/4"      | #56        | 3/8"-32 F   | 9/16"        | 9"            | 3,580                                       |
| 15A099-0000    | AK-3          | SS       | 1/2" HEX  | 1 1/4"      | #56        | 3/8"-32 F   | 9/16"        | 9"            | 3,580                                       |
| 15A100-0000    | AK-4          | BRS      | 1/2" HEX  | 1 1/4"      | #53        | 3/8"-32 F   | 5/8"         | 9 3/4"        | 5,700                                       |
| 15A101-0000    | AK-4          | SS       | 1/2" HEX  | 1 1/4"      | #53        | 3/8"-32 F   | 5/8"         | 9 3/4"        | 5,700                                       |
| 15A102-0000    | AK-5          | BRS      | 1/2" HEX  | 1 1/4"      | #50        | 3/8"-32 F   | 3/4"         | 10 1/2"       | 7,930                                       |
| 15A103-0000    | AK-5          | SS       | 1/2" HEX  | 1 1/4"      | #50        | 3/8"-32 F   | 3/4"         | 10 1/2"       | 7,930                                       |
| 15A104-0000    | O-1           | BRS      | 3/8" HEX  | 1"          | #70        | 1/4"-28 F   | 3/16"        | 4 1/2"        | 1,300                                       |
| 15A105-0000    | O-1           | SS       | 3/8" HEX  | 1"          | #70        | 1/4"-28 F   | 3/16"        | 4 1/2"        | 1,300                                       |
| 15A106-0000    | O-2           | BRS      | 3/8" HEX  | 1"          | #65        | 1/4"-28 F   | 1/2"         | 6"            | 2,020                                       |
| 15A107-0000    | O-2           | SS       | 3/8" HEX  | 1"          | #65        | 1/4"-28 F   | 1/2"         | 6"            | 2,020                                       |
| 15A108-0000    | O-3           | BRS      | 3/8" HEX  | 1"          | #56        | 1/4"-28 F   | 9/16"        | 9"            | 3,580                                       |
| 15A109-0000    | O-3           | SS       | 3/8" HEX  | 1"          | #56        | 1/4"-28 F   | 9/16"        | 9"            | 3,580                                       |
| 15A110-0000    | O-4           | BRS      | 3/8" HEX  | 1"          | #53        | 1/4"-28 F   | 5/8"         | 9 3/4"        | 5,700                                       |
| 15A111-0000    | O-4           | SS       | 3/8" HEX  | 1"          | #53        | 1/4"-28 F   | 5/8"         | 9 3/4"        | 5,700                                       |

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| CATALOG NUMBER | BURNER NUMBER        | MATERIAL | BODY SIZE  | BODY LENGTH | CTR. DRILL | THREAD SIZE | FOCAL LENGTH | OVERALL FLAME | BTU / HR @ 12 W.C. NATURAL GAS & OXYGEN MIX |
|----------------|----------------------|----------|------------|-------------|------------|-------------|--------------|---------------|---|
| 15A112-0000    | O-5                  | BRS      | 3/8" HEX   | 1"          | #50        | 1/4"-28 F   | 3/4"         | 10 1/2"       | 7,930                                       |
| 15A113-0000    | O-5                  | SS       | 3/8" HEX   | 1"          | #50        | 1/4"-28 F   | 3/4"         | 10 1/2"       | 7,930                                       |
| 15A121-0000    | OX-80                | BRS      | 11/16" DIA | 2 1/4"      | 1 MM       | 1/4" FPT    | 1/4"         | 4"            | 2,650                                       |
| 15A122-0000    | OX-81                | BRS      | 11/16" DIA | 2 1/4"      | 1.5 MM     | 1/4" FPT    | 1/2"         | 5"            | 5,700                                       |
| 15A123-0000    | OX-82                | BRS      | 11/16" DIA | 2 1/4"      | 2 MM       | 1/4" FPT    | 5/8"         | 6"            | 10,750                                      |
| 15A124-0000    | OX-83                | BRS      | 11/16" DIA | 2 1/4"      | 2.5 MM     | 1/4" FPT    | 3/4"         | 7"            | 16,060                                      |
| 15A125-0000    | OX-84                | BRS      | 11/16" DIA | 2 1/4"      | 3 MM       | 1/4" FPT    | 7/8"         | 8"            | 23,680                                      |
| 15A126-0000    | OX-85                | BRS      | 11/16" DIA | 2 1/4"      | 3.5 MM     | 1/4" FPT    | 1"           | 9"            | 32,640                                      |
| 15A127-0000    | OX-86                | BRS      | 11/16" DIA | 2 1/4"      | 4 MM       | 1/4" FPT    | 1 1/4"       | 10"           | 42,240                                      |
| 15A128-0000    | OX-87                | BRS      | 11/16" DIA | 2 1/4"      | 4.5 MM     | 1/4" FPT    | 1 1/4"       | 11"           | 53,760                                      |
| 15A129-0000    | OX-88                | BRS      | 11/16" DIA | 2 1/4"      | 5 MM       | 1/4" FPT    | 1 1/2"       | 12"           | 65,920                                      |
| 15A130-0000    | OX-89                | BRS      | 11/16" DIA | 2 1/4"      | 5.5 MM     | 1/4" FPT    | 1 1/2"       | 13"           | 79,680                                      |
| 15A131-0000    | OX-90                | BRS      | 11/16" DIA | 2 1/4"      | 6 MM       | 1/4" FPT    | 2"           | 14"           | 95,360                                      |
| 15A132-0000    | OX-91                | BRS      | 11/16" DIA | 2 1/4"      | 6.5 MM     | 1/4" FPT    | 2 1/4"       | 15"           | 110,720                                     |
| 15A133-0000    | OX-92                | BRS      | 11/16" DIA | 2 1/4"      | 7 MM       | 1/4" FPT    | 2 1/2"       | 16"           | 129,600                                     |
| 15A134-0000    | OX-93                | BRS      | 11/16" DIA | 2 1/4"      | 7.5 MM     | 1/4" FPT    | 3"           | 17"           | 147,200                                     |
| 15A135-0000    | OX-94                | BRS      | 11/16" DIA | 2 1/4"      | 8 MM       | 1/4" FPT    | 3 1/2"       | 18"           | 166,080                                     |
| 15A136-0000    | OX-95                | BRS      | 11/16" DIA | 2 1/4"      | 8.5 MM     | 1/4" FPT    | 4"           | 18"           | 184,320                                     |
| 15A137-0000    | OX-96                | BRS      | 11/16" DIA | 2 1/4"      | 9 MM       | 1/4" FPT    | 4 1/2"       | 19"           | 213,760                                     |
| 15A138-0000    | OXU                  | BRS      | 1/2" HEX   | 2 5/16"     | #55        | 1/8" MPT    | 5/8"         | 12"           | 4,410                                       |
| 15A138-1000    | OXU<br>W/ BALL & NUT | BRS      | 1/2" HEX   | 2 5/16"     | #55        | N/A         | 5/8"         | 12"           | 4,410                                       |

## SPECIAL TIPS AND DESIGNS

Carlisle is always interested in offering special tips and designs to satisfy our customers needs. We have several special tips that we manufacture already. Specialty features range from altering a center drill port size of one of our standard tips, to manufacturing directly from a customer's concept or drawing.

Please feel free to contact the Carlisle sales team with any specialty designs. We will be happy to work with you to create a competitive and workable pricing schedule for your needs.

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