

# LCG-AJ 4 kW

# Nozzles

| Material                         | Cut Type | Thickness (mm) | Nozzle Size | Nozzle Code |
|----------------------------------|----------|----------------|-------------|-------------|
| Mild Steel<br>(SPC, SPH & SS400) | Air      | 0.5 - 1.2      | S2.0 CP     | Nozzle 80CF |
|                                  | Nitrogen | 0.5 - 3        | S2.0 CP     | Nozzle 80CF |
|                                  |          | 4              | D4.0 CC     | Nozzle 84CF |
|                                  |          | 5 - 6          | D7.0 CC     | Nozzle 88CF |
|                                  | ECO      | 1 - 10         | S1.2 FE     | Nozzle 106F |
|                                  |          | 12             | D1.2 FE     | Nozzle 113F |
|                                  | WACS     | 12             | D2.5 W      | Nozzle 60CF |
|                                  |          | 15 - 20        | D4.0 W      | Nozzle 66CF |

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|----------|----------|----------------|-------------|-------------|
| Brass    | Nitrogen | 0.5 - 3        | D2.0 F      | Nozzle 100F |
|          |          | 4 - 10         | D4.0 AL     | Nozzle 76CF |
| Titanium | Nitrogen | 0.5 - 3        | D2.0 F      | Nozzle 100F |
|          |          | 4 - 10         | D4.0 AL     | Nozzle 76CF |
| Copper   | Oxygen   | 0.5 - 3        | D2.0 F      | Nozzle 100F |
|          |          | 4 - 8          | D4.0 AL     | Nozzle 76CF |

| Material                 | Cut Type | Thickness (mm) | Nozzle Size | Nozzle Code |
|--------------------------|----------|----------------|-------------|-------------|
| Stainless Steel<br>(SUS) | Air      | 0.5 - 1.5      | S2.0 CP     | Nozzle 80CF |
|                          | Nitrogen | 0.5 - 4        | S2.0 CP     | Nozzle 80CF |
|                          |          | 5 - 9          | D4.0 CC     | Nozzle 84CF |
|                          |          | 10 - 14        | D7.0 CC     | Nozzle 88CF |
|                          |          | 15 - 8         | D7.0 AL     | Nozzle 93F  |

| Material                     | Cut Type            | Thickness (mm) | Nozzle Size | Nozzle Code |
|------------------------------|---------------------|----------------|-------------|-------------|
| Aluminium<br>(A5052 & A1050) | Air                 | 0.5 - 2        | D2.0 F      | Nozzle 100F |
|                              | Nitrogen<br>(A1050) | 0.5 - 2        | D2.0 F      | Nozzle 100F |
|                              |                     | 2.5 - 12       | D4.0 AL     | Nozzle 76CF |
|                              | Nitrogen<br>(A5052) | 0.5 - 2        | D2.0 F      | Nozzle 100F |
|                              |                     | 2.5 - 16       | D4.0AL      | Nozzle 76CF |
|                              | Air                 | 0.5 - 1.2      | S2.0 CP     | Nozzle 80CF |
| Galvanised<br>(SECC)         | Nitrogen            | 0.5 - 3        | S2.0 CP     | Nozzle 80CF |

## Recommended Stock

| Recommended Stock |            | Nozzle Code     | Nozzle Description                                                             |
|-------------------|------------|-----------------|--------------------------------------------------------------------------------|
| QTY               | Bulk/ pack |                 |                                                                                |
|                   |            | Nozzle 60CF B10 | AMADA® DOUBLE NOZZLE Ø D2.5W CP WACS                                           |
|                   |            | Nozzle 66CF B10 | AMADA® DOUBLE NOZZLE Ø D4.0W CP WACS                                           |
|                   |            | Nozzle 76CF B10 | AMADA® DOUBLE NOZZLE Ø D4.0 AL CP                                              |
|                   |            | Nozzle 80CF B10 | AMADA® NOZZLE Ø S2.0 CP ECO CUT**                                              |
|                   |            | Nozzle 84CF B10 | AMADA® DOUBLE NOZZLE Ø D4.0CC SPECIAL CP FOR CLEAN CUT                         |
|                   |            | Nozzle 88CF B10 | AMADA® DOUBLE NOZZLE Ø D7.0CC SPECIAL CP FOR CLEAN CUT                         |
|                   |            | Nozzle 93F B10  | AMADA® DOUBLE NOZZLE Ø 7.0 AL CC CP                                            |
|                   |            | Nozzle 100F B10 | AMADA® DOUBLE NOZZLE Ø D2.0F CP                                                |
|                   |            | Nozzle 106F B10 | AMADA® NOZZLE Ø S1.2 FE FIBER CP WITH COLLAR                                   |
|                   |            | Nozzle 113F B5  | AMADA® DOUBLE NOZZLE D1.2 FE FIBER CP WITH COLLAR*                             |
| Recommended Stock |            | Optics Code     | Optics Description                                                             |
|                   |            | Optic164        | 2" diameter lens for all materials except O <sub>2</sub> cutting on Mild Steel |
|                   |            | Optic173        | 10 pieces of protection glass                                                  |
| Recommended Stock |            | Laser Head Code | Laser Head Description                                                         |
| QTY               | Bulk/ pack |                 |                                                                                |
|                   |            | NOZZACC 21CF B5 | AMADA® NOZZLE ADAPTOR WITH HOLES and INNER                                     |
|                   |            | NOZZACC 27C B10 | AMADA® Shield Ring                                                             |
|                   |            | 71564134        | AMADA® Coupler Sensor Head                                                     |
| Recommended Stock |            | Code            | Maintenance                                                                    |
|                   |            | 717710073       | WACS Oil                                                                       |
|                   |            | 71567892        | Shot Oil                                                                       |

\* Collar supplied

\*\* Not for use with reflective material

**Note:** Units codes ending B5 or B10 denote bulk packs of qty 5 or qty 10.



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