

L'utensileria per chi lavora la lamiera

Ricambi e Ottiche per Macchine taglio Laser

Accessori UPT

AMADA

BLM

BYSTRONIC

CY LASER

LVD

MAZAK

MITSUBISHI

PRECITEC

PRIMA

SALVAGNINI

TRUMPF

e altro su richiesta

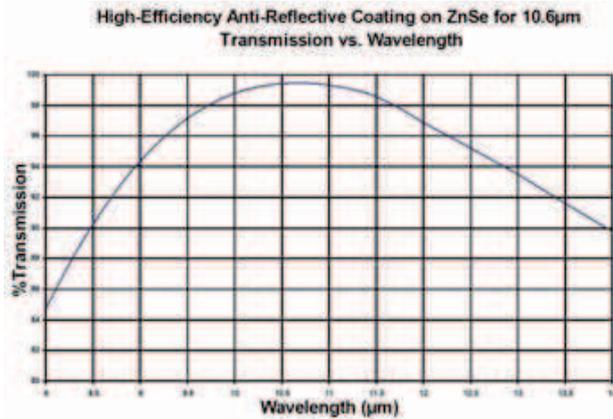


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COATING ANTIRIFLESSO - AR

Il trattamento Antiriflesso (AR) viene depositato sulla superficie della lente per ottimizzare la trasmissione del fascio laser minimizzando la componente riflessa dal materiale che costituisce il substrato.

Le lenti in ZnSe vengono rivestite con coating AR ottimizzato alla lunghezza d'onda del laser (10.6 μm).



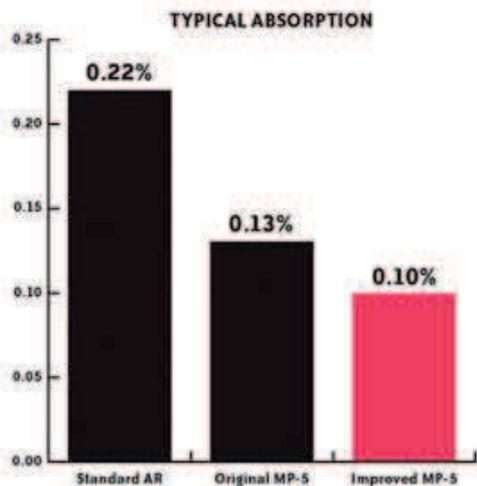
COATING ANTIRIFLESSO A BASSO ASSORBIMENTO - MP5-AR

Da oltre 10 anni II-VI realizza un coating a basso assorbimento, denominato MP5, particolarmente indicato per sistemi ad alta potenza.

Ora il coating MP5-AR è ulteriormente migliorato e l'assorbimento tipico di una lente con rivestimento MP5-AR è inferiore alla metà dell'assorbimento tipico di una lente con rivestimento AR standard.

Il basso assorbimento comporta minore stress termico sulla lente che, a parità di condizioni, ha una vita media superiore.

Di seguito un grafico che paragona il tipico assorbimento di una lente con rivestimento AR, MP5 e MP5 migliorato.



OTTICHE A RIFLESSIONE SPECCHI/PARTIAL REFLECTOR

II-VI produce tutte le ottiche all'interno dell'impianto laser: dalla prima (specchio posteriore del risonatore) all'ultima (lente di focalizzazione).

Oltre ad occuparsi della crescita e della lavorazione del substrato delle lenti e delle finestre (il Seleniuro di Zinco), II-VI riveste i diversi materiali utilizzati come substrato per le ottiche a riflessione (Rame, Silicio, Alluminio, Arseniuro di Gallio, Germanio) con film sottili che ne ottimizzano le proprietà ottiche, rendendoli adatti all'utilizzo in impianti laser multi-kW.

II-VI realizza rear mirror e output coupler, specchi piani, sferici, parabolici, specchi polarizzatori e ritardatori di fase.

Ogni ottica è progettata per ottimizzare le performance richieste dall'impianto

in cui è montata

e, in base alla

sua funzione

all'interno

della catena

ottica, ha un

rivestimento

specifico.

Alcuni tra i coating più comuni:



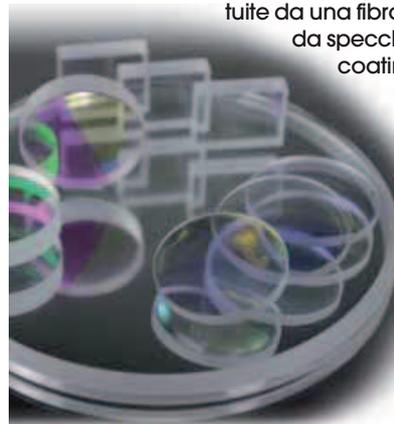
| SILVER BASED | GOLD BASED | MAXIMUM METAL REFLECTOR | PHASE RETARDING | POLARIZATION CONTROL |
|--------------|------------|-------------------------|-----------------|----------------------|
| PS | BG | MMR | TRZ | ATFR |
| ES | PG | MMR-A | RPR | PLM |
| | EG | DEMRR | HRPR | |

LASER IN FIBRA LENTI E FINESTRE DI PROTEZIONE

I laser in fibra si stanno diffondendo come valida alternativa ai tradizionali laser CO₂, soprattutto per particolari applicazioni (taglio di bassi spessori) e per particolari materiali ad alta riflettività (rame, ottone).

La principale differenza ottica tra i laser CO₂ e i laser in fibra è la lunghezza d'onda della radiazione emessa: 10.6 μm per il CO₂ contro 1.07 μm per il fibra.

Considerata la differente lunghezza d'onda di lavoro è necessario utilizzare ottiche appropriate. I materiali comunemente usati per le lenti di un laser in fibra sono il Fused Silica (FS) ed il Solfuro di Zinco (ZnS). Le catene ottiche sono sostituite da una fibra ottica e, in alcuni casi, da specchi rivestiti con opportuni coating ottimizzati a 1.07 μm .



Nelle teste per laser in fibra è generalmente inserito un "vetrino di protezione", anch'esso in FS. Sia le lenti sia i vetrini sono rivestiti con un trattamento superficiale Antiriflesso (AR/AR @ 1.07 μm).

ANALIZZATORE DI STRESS TERMICO PORTATILE

Nelle lavorazioni di taglio laser è spesso sufficiente un alone invisibile di sporco sulla lente per ridurre notevolmente l'efficienza e la produttività del sistema.



I residui delle lavorazioni accumulati sulla lente, se non vengono rimossi con operazioni costanti di pulizia, a lungo andare innescano il fenomeno dello stress termico. Lo stress altera le caratteristiche del fascio laser trasmesso determinando fluttuazioni e diminuzioni di potenza e inducendo lo spostamento del punto focale. Il coating si può inoltre danneggiare a causa di un alto gradiente termico focalizzato (determinato da graffi e contaminazioni) che può portare fino alla rottura dell'ottica stessa. Conoscere lo stato di stress della propria ottica ha dunque un duplice vantaggio: garantire la massima qualità del taglio e prevenire danni significativi al sistema. Il "Lens Stress Analyzer (L.S.A.)", composto da una sorgente di luce a fluorescenza e da una coppia di

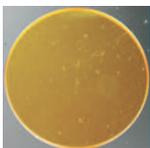
polarizzatori in rotazione, è alimentato tramite rete elettrica o con batterie per consentire una rapida analisi del livello di stress della lente direttamente sul posto prima del montaggio.

LSA MINI

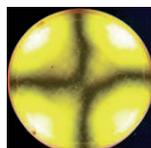
LSA Mini è l'evoluzione, portatile, economica e rapida, di LSA. Seguendo le semplici istruzioni di seguito, potrai velocemente capire, se la lente ha accusato lo stress termico, che può alterare le caratteristiche necessarie al corretto funzionamento della stessa".

Come usare LSA MINI:

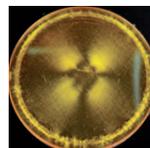
1. Trova lo schermo di computer più vicino
2. Aggancia il Mini LSA sul telefono, rivolto verso l'esterno e accendi la fotocamera.
3. Posiziona la lente, di fronte lo schermo. Ruota il telefono di fronte alla lente.
4. Ruotando il telefono, l'incrocio della polarizzazione, con la luce fluorescente del tuo schermo, ti mostrerà qualsiasi stress la lente abbia, e ti verrà mostrato come da immagini che seguono:



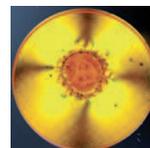
Nessun stress apparente. Potrebbe bastare la pulizia della lente



Stress moderato. Potrebbe essere necessaria la sostituzione della lente



Stress grave, la lente deve essere sostituita, per evitare possibili danni al sistema



Grave danno, possibile danno al sistema laser.

KIT DI PULIZIA OTTICHE LASER CO² E FIBRA

Di fondamentale importanza è la pulizia delle ottiche che deve avvenire con procedure adeguate.

UPT mette a disposizione un kit, PN911466 che contiene:

- 1 flacone da 250 ml di μm polish
- 1 flacone da 250 ml di acqua distillata
- 1 soffierto aria
- 1 contenitore per Acetone (vuoto)
- 1 contenitore per Alcool isopropilico (vuoto)
- 1 busta di cotton balls
- 1 box (170) di Q-tips
- 1 busta di carta per ottiche (25 fogli)
- 1 valigetta di trasporto
- 1 istruzioni per la pulizia



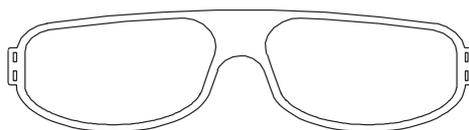
SOFFIETTI PER LASER

UPT surl può fornire tutti i soffietti per le principali marche e modelli di laser. I soffietti sono costruiti in Italia utilizzando i materiali più idonei per questa tipologia di applicazione, garantendone così affidabilità e la lunga durata.

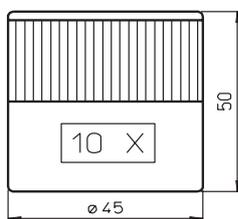
SOFFIETTI PER CREMAGLIERA DI RICAMBIO DELLE PRINCIPALI MARCHE DI MACCHINE TAGLIO LASER

- Soffietti in tessuto tecnologico
- Soffietti per assi cremagliera
- Soffietti poligonali chiusi
- Soffietti per monoguide anche singoli
- COSTRUZIONE SOFFIETTI
SU DISEGNO/CAMPIONE
- RIPARAZIONE DI SOFFIETTI ESISTENTI

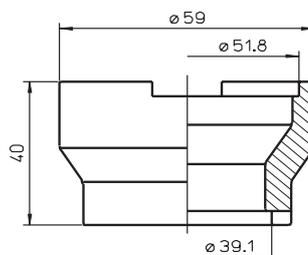




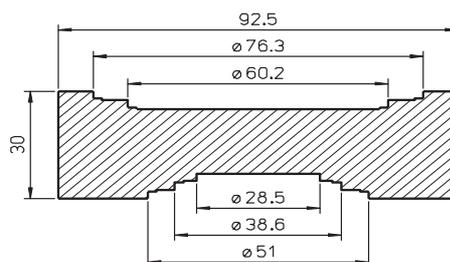
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| UAC0001 | | | ACC. LASER CO2 GLASSES CE APPROVED | |
| UAC0002 | | 240568 - 100 | ACC. LENS CLEANING POLISH - ml 100 | |
| UAC0003 | | 240568 - 200 | ACC. LENS CLEANING POLISH - ml 200 | |
| UAC0004 | | | ACC. DROPPER FOR LENS CLEANING LIQUID | |
| UAC0005 | | | ACC. LATEX GLOVES - 10 pieces | |
| UAC0006 | | | ACC. INDIUM WIRE Ø 1.0mm FOR 1.5" LENSE | |
| UAC0007 | | | ACC. INDIUM WIRE Ø 1.0mm FOR Ø 2.0mm LENS | |
| UAC0009 | | | ACC. LENS CLEANING PAPER - 50sheets | |
| UAC0010 | | | ACC. COTTON SWAB -20 pieces | |
| UAC0011 | | | ACC. LENS CLEANING PRE-CUT COTTON - 80 pieces | |



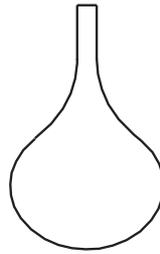
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| UAC0012 | | 091860 | ACC. SCALE LUPE | |



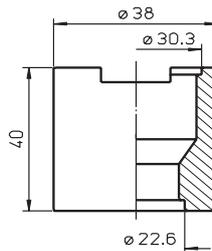
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--------------------------------|------------|
| UAC0013 | | | ACC. BASE FOR LENS MAINTENANCE | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAC0014 | | | ACC. BASE FOR LENS AND MIRROR CLEANING | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|----------------------|------------|
| UAC0015 | | | ACC. INJECTOR | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|--|------------|
| UAC0016 | | 6910010029/00 | ACC. BASE FOR MIRROR MAINTENANCE | |
| UAC0017 | | | LONG-HANDLED SWAB-100 PCS PACK. | |
| UAC0018 | | | LARGE ALPHA SWAB-conf.100 pz. | |
| UAC0019 | | | BASTONCINO PULIZIA OTTICHE-conf. 50 pz. | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------------|---------------------|---------------|---|------------|
| A1893358 | | | TRUTOOL TSC 100 KIT utensile pulizia per barre da 3 a 3,9 mm | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|---|------------|
| 1644868 | | | KIT utensile pulizia per barre da 2 a 2,9 mm - set 2 pz. | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|---|------------|
| 1644867 | | | KIT utensile pulizia per barre da 3 a 3,9 mm - set 2 pz. | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
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| ST-3310 | | | AIR SPEED HAMMER completo di 2 TAMPONI | |

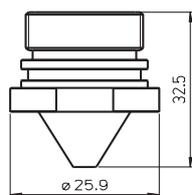
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------------|---------------------|---------------|---|------------|
| ST-3310K | | | AIR SPEED HAMMER completo di 6 TAMPONI | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
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| LSA002W | | | II-VI LENS STRESS ANALYZER | |

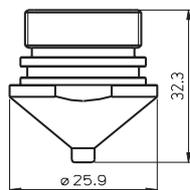
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|--------------------------------------|------------|
| LSAMINI | | | LSA MINI LENS STRESS ANALYZER | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
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| LCK911466 | | | II-VI KIT PULIZIA LENTI CO2 | |

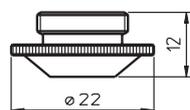
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|-------------------|---------------------|---------------|--------------------------------------|------------|
| LCK5358332 | | | II-VI KIT PULIZIA LENTI FIBRA | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|-------------------|------------------------|------------|
| UAM0008C | | 74712001- 6506892 | AMADA® NOZZLE Ø 2.0 CP | |



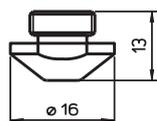
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|----------|---------------------|------------------|------------------------|------------|
| UAM0010C | | 71101902 | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0012C | | 71101901- 845735 | AMADA® NOZZLE Ø 2.0 CP | |



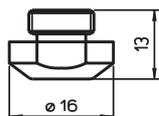
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| UAM0022C | | | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0024C | | 74718816 - 8249301 | AMADA® NOZZLE Ø 2.0 CP | |



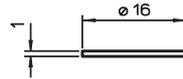
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| UAM0027 | | 1AS-34 | AMADA® O'RING FOR NOZZLE OUTER | |



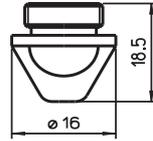
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|-------------|---------------------|---------------------|------------------------------------|------------|
| UAM0030C | | 62094006 - 1507610 | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0030C-10 | | 62094006 - 1507610 | AMADA® NOZZLE Ø 1.5 CP-box 10 pcs. | |
| UAM0032C | | 62094006 - 1507611 | AMADA® NOZZLE Ø 2.0 CP | |
| UAM0032C-10 | | 62094006 - 1507611 | AMADA® NOZZLE Ø 2.0 CP-box 10 pcs. | |
| UAM0033C-10 | | 62094006 | AMADA® NOZZLE Ø 2.5 CP-box 10 pcs. | |
| UAM0034C-10 | | 62094008 - 71102007 | AMADA® NOZZLE Ø 3.0 CP-box 10 pcs. | |



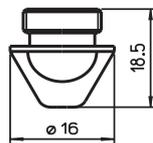
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| UAM0037C | | 62094005 - 71341515 | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0039C | | 62094005 - 71102006 | AMADA® NOZZLE Ø 2.0 CP | |
| UAM0039C-10 | | 62094005 - 71102006 | AMADA® NOZZLE Ø 2.0 CP-box 10 pcs. | |
| UAM0040C | | 62094005 | AMADA® NOZZLE Ø 2.5 CP | |
| UAM0041C | | 62094005 - 71341515-3,0 | AMADA® NOZZLE Ø 3.0 CP | |



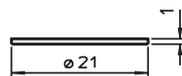
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|----------|---------------------|---------------|--|------------|
| UAM0042 | | 62094006-ring | AMADA® DISC HEAD PROTECTION Ø 16 PLASTIC | |



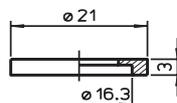
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|------------------------------|-------------------------------------|------------|
| UAM0044C | | 1664545U | AMADA® NOZZLE Ø 1.0 CP | |
| UAM0044C-10 | | 1664545U | AMADA® NOZZLE Ø 1.0 CP-box 10 pcs. | |
| UAM0045C | | 1664545U | AMADA® NOZZLE Ø 1.25 CP | |
| UAM0045C-10 | | 1664545U | AMADA® NOZZLE Ø 1.25 CP-box 10 pcs. | |
| UAM0046C | | 1664545U - M90115 | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0046C-10 | | 1664545U | AMADA® NOZZLE Ø 1.5 CP-box 10 pcs. | |
| UAM0047C-10 | | 1664545U | AMADA® NOZZLE Ø 1.5 CP-box 10 pcs. | |
| UAM0048C | | 1664644U - 71341610 - M90114 | AMADA® NOZZLE Ø 2.0 CP | |
| UAM0048C-10 | | 1664644U - 71341610 | AMADA® NOZZLE Ø 2.0 CP-box 10 pcs. | |
| UAM0049C | | 1664545U | AMADA® NOZZLE Ø 2.5 CP | |
| UAM0049C-10 | | 1664545U | AMADA® NOZZLE Ø 2.5 CP-box 10 pcs. | |
| UAM0050C | | 1664645U - 71360142 - M90113 | AMADA® NOZZLE Ø 3.0 CP | |
| UAM0050C-10 | | 1664645U - 71360142 | AMADA® NOZZLE Ø 3.0 CP-box 10 pcs. | |
| UAM0051C | | | AMADA® NOZZLE Ø 4.0 CP | |
| UAM0051C-10 | | | AMADA® NOZZLE Ø 4.0 CP-box 10 pcs. | |



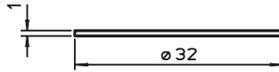
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|---------------|-------------------------------------|------------|
| UAM0054C-10 | | | AMADA® NOZZLE Ø 1.25 CP-box 10 pcs. | |
| UAM0055C | | | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0055C-10 | | | AMADA® NOZZLE Ø 1.5 CP-box 10 pcs. | |
| UAM0057C | | | AMADA® NOZZLE Ø 2.0 CP | |
| UAM0057C-10 | | | AMADA® NOZZLE Ø 2.0 CP-box 10 pcs. | |
| UAM0059C | | | AMADA® NOZZLE Ø 3.0 CP | |
| UAM0059C-10 | | | AMADA® NOZZLE Ø 3.0 CP-10 pcs. box | |



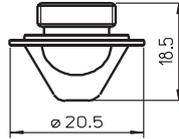
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0060 | | 71341614 | AMADA® DISC HEAD PROTECTION Ø 21 PLASTIC | |
| UAM0061 | | 71341614 | AMADA® DISC HEAD PROTECTION Ø 21 VESPEL | |



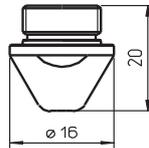
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0062 | | | AMADA® DISC HEAD PROTECTION Ø 22 CERAMIC | |



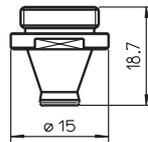
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| UAM0063 | | | AMADA® DISK HEAD PROTECTION Ø 32 PLASTIC | |



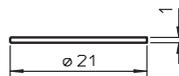
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|----------------------------------|------------|
| UAM0064C | | | AMADA® NOZZLE Ø 1.5 LARGE FLANGE | |
| UAM0065C | | | AMADA® NOZZLE Ø 2.0 LARGE FLANGE | |
| UAM0066C | | | AMADA® NOZZLE Ø 3.0 LARGE FLANGE | |



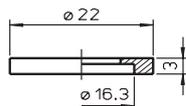
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---------------------|------------|
| UAM0067C | 71341770 - 1667110 | | AMADA® NOZZLE Ø 2.0 | |
| UAM0068C | | | AMADA® NOZZLE Ø 3.0 | |



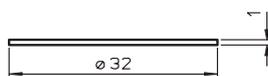
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|----------|---------------------|---------------|-----------------------------|------------|
| UAM0070C | | | AMADA® NOZZLE HP-X Ø 1.0 CP | |
| UAM0074C | | | AMADA® NOZZLE HP-X Ø 2.0 CP | |
| UAM0076C | | | AMADA® NOZZLE HP-X Ø 3.0 CP | |



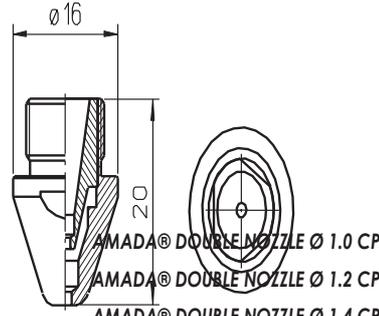
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0060 | 71341614 | | AMADA® DISC HEAD PROTECTION Ø 21 PLASTIC | |
| UAM0061 | 71341614 | | AMADA® DISC HEAD PROTECTION Ø 21 VESPEL | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0062 | | | AMADA® DISC HEAD PROTECTION Ø 22 CERAMIC | |

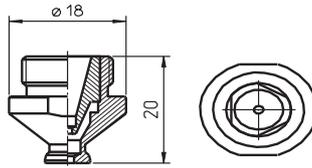


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0063 | | | AMADA® DISK HEAD PROTECTION Ø 32 PLASTIC | |



- AMADA® DOUBLE NOZZLE Ø 1.0 CP
- AMADA® DOUBLE NOZZLE Ø 1.2 CP
- AMADA® DOUBLE NOZZLE Ø 1.4 CP
- AMADA® DOUBLE NOZZLE Ø 1.5 CP
- AMADA® DOUBLE NOZZLE Ø 2.0 CP

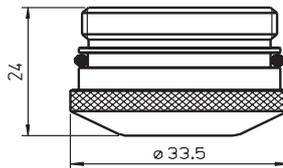
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|----------------------------|-------------------------------|------------|
| UAM0079C | | 1669864-7134162 | AMADA® DOUBLE NOZZLE Ø 2.5 CP | |
| UAM0080C | | 1669864-7134162 | AMADA® DOUBLE NOZZLE Ø 3.0 CP | |
| UAM0081C | | 1669864-7134162 | AMADA® DOUBLE NOZZLE Ø 4.0 CP | |
| UAM0082C | | 1669864-7134162 | | |
| UAM0084C | | 1669864-7134162 | | |
| UAM0085C | | 1669864-7134162 - 41341680 | | |
| UAM0086C | | 1669864-7134163 | | |
| UAM0089C | | 1669795-71341681 | | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|------------------|-------------------------------|------------|
| UAM0095C | | 6551218-71341682 | AMADA® DOUBLE NOZZLE Ø 2.0 CP | |
| UAM0096C | | 6551218-71341682 | AMADA® DOUBLE NOZZLE Ø 2.5 CP | |
| UAM0097C | | 6551218-71341682 | AMADA® DOUBLE NOZZLE Ø 3.0 CP | |
| UAM0098C | | 6551218-71341682 | AMADA® DOUBLE NOZZLE Ø 3.8 CP | |
| UAM0099C | | 6551218-71341682 | AMADA® DOUBLE NOZZLE Ø 4.0 CP | |

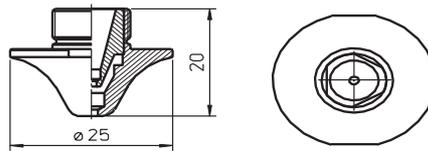
WATER COOLED

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-----------------------------------|------------|
| UAM0110 | | S-14 | AMADA® O-RING FOR NOZZLE - 10 PCS | |

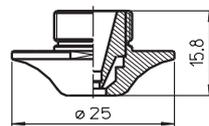


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|--------------------------------|------------------------|------------|
| UAM0111C | | 71366452 - 71341684 - 6551148A | AMADA® NOZZLE OUTER CP | |

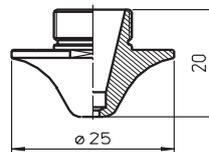
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--------------------------------|------------|
| UAM0112 | | 71366453 | AMADA® O-RING FOR NOZZLE OUTER | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|--------------------------------|---|------------|
| UAM0113C | | 1572361 | AMADA® DOUBLE NOZZLE Ø 1.2 CP | |
| UAM0113C-10 | | 1572361 | AMADA® DOUBLE NOZZLE Ø 1.2 CP-box 10 pcs. | |
| UAM0114C | | 71369813 - 71518550 - 71341779 | AMADA® DOUBLE NOZZLE Ø 1.4 CP | |
| UAM0114C-10 | | 71369813 - 71518550 - 71341779 | AMADA® DOUBLE NOZZLE Ø 1.4 CP-box 10 pcs. | |
| UAM0115C | | 1572361 - 71518548 - 1572380 | AMADA® DOUBLE NOZZLE Ø 1.7 CP | |
| UAM0115C-10 | | 1572361 - 71518548 - 1572380 | AMADA® DOUBLE NOZZLE Ø 1.7 CP-box 10 pcs. | |
| UAM0116C | | 1572361 | AMADA® DOUBLE NOZZLE Ø 2.0 CP | |
| UAM0116C-10 | | 1572361 | AMADA® DOUBLE NOZZLE Ø 2.0 CP-box 10 pcs. | |
| UAM0117C | | 71515394 - 71516789 - 1576398 | AMADA® DOUBLE NOZZLE Ø 2.5 CP | |
| UAM0117C-10 | | 71515394 - 71516789 - 1576398 | AMADA® DOUBLE NOZZLE Ø 2.5 CP-box 10 pcs. | |
| UAM0118C | | 1572361 | AMADA® DOUBLE NOZZLE Ø 3.0 CP | |
| UAM0118C-10 | | 1572361 | AMADA® DOUBLE NOZZLE Ø 3.0 CP-box 10 pcs. | |
| UAM0119C | | 71515395 - 71516790 - 1576399 | AMADA® DOUBLE NOZZLE Ø 4.0 CP | |
| UAM0119C-10 | | 71515395 - 71516790 - 1576399 | AMADA® DOUBLE NOZZLE Ø 4.0 CP-box 10 pcs. | |
| UAM0120C | | | AMADA® DOUBLE NOZZLE Ø 4.0 CP INNER Ø 2.0 | |
| UAM0120C-10 | | | AMADA® DOUBLE NOZZLE Ø 4.0 CP INNER Ø 2.0-box 10 pcs. | |
| UAM0121C | | 1572361 | AMADA® DOUBLE NOZZLE Ø 5.0 CP | |
| UAM0121C-10 | | 1572361 | AMADA® DOUBLE NOZZLE Ø 5.0 CP-box 10 pcs. | |
| UAM0122C | | | AMADA® DOUBLE NOZZLE Ø 6.0 CP | |
| UAM0122C-10 | | | AMADA® DOUBLE NOZZLE Ø 6.0 CP-box 10 pcs. | |

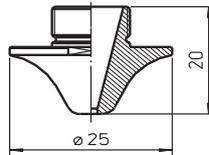


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|--------------------------------|-------------------------------------|------------|
| UAM0123C | | 71366452 - 71341684 - 6551148A | AMADA® DOUBLE NOZZLE SHORT Ø 4.0 CP | |

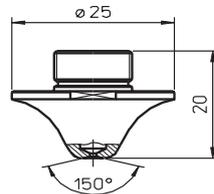


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|---------------------|------------------------------------|------------|
| UAM0126C | | 1572362 - 71563584 | AMADA® NOZZLE Ø 0.8 CP | |
| UAM0126C-10 | | 1572362 - 71563584 | AMADA® NOZZLE Ø 0.8 CP-box 10 pcs. | |
| UAM0127C | | 1572367A - 71563585 | AMADA® NOZZLE Ø 1.0 CP | |
| UAM0127C-10 | | 1572367A - 71563585 | AMADA® NOZZLE Ø 1.0 CP-box 10 pcs. | |
| UAM0128C | | 71369812 | AMADA® NOZZLE Ø 1.2 CP | |
| UAM0128C-10 | | 71369812 | AMADA® NOZZLE Ø 1.2 CP-box 10 pcs. | |
| UAM0129C | | 1572362 | AMADA® NOZZLE Ø 1.4 CP | |
| UAM0129C-10 | | 1572362 | AMADA® NOZZLE Ø 1.4 CP-box 10 pcs. | |
| UAM0130C | | 1572362 - 1572368B | AMADA® NOZZLE Ø 1.5 CP | |
| UAM0130C-10 | | 1572362 - 1572368B | AMADA® NOZZLE Ø 1.5 CP-box 10 pcs. | |
| UAM0131C | | 1572362 | AMADA® NOZZLE Ø 1.7 CP | |

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|--------------------|------------------------------------|------------|
| UAM0131C-10 | | 1572362 | AMADA® NOZZLE Ø 1.7 CP-box 10 pcs. | |
| UAM0132C | | 71515392 | AMADA® NOZZLE Ø 2.0 CP | |
| UAM0132C-10 | | 71515392 | AMADA® NOZZLE Ø 2.0 CP-box 10 pcs. | |
| UAM0133C | | | AMADA® NOZZLE Ø 2.5 CP | |
| UAM0133C-10 | | | AMADA® NOZZLE Ø 2.5 CP-box 10 pcs. | |
| UAM0134C | | 71515393 - 1576112 | AMADA® NOZZLE Ø 3.0 CP | |
| UAM0134C-10 | | 71515393 - 1576112 | AMADA® NOZZLE Ø 3.0 CP-10 pcs. box | |
| UAM0135C | | 1572362 | AMADA® NOZZLE Ø 4.0 CP | |
| UAM0135C-10 | | 1572362 | AMADA® NOZZLE Ø 4.0 CP-box 10 pcs. | |



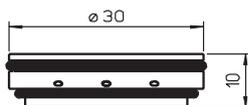
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|---------------|--|------------|
| UAM0136C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 0.8 CP | |
| UAM0136C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 0.8 CP-box 10 pcxs. | |
| UAM0137C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.0 CP | |
| UAM0137C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.0 CP-box 10 pcs. | |
| UAM0138C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.2 CP | |
| UAM0138C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.2 CP-box 10 pcs. | |
| UAM0139C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.4 CP | |
| UAM0139C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.4 CP-box 10 pcs. | |
| UAM0140C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.5 CP | |
| UAM0140C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 1.5 CP-box 10 pcs. | |
| UAM0142C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 2.0 CP | |
| UAM0142C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 2.0 CP-box 10 pcs. | |
| UAM0143C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 2.3 CP | |
| UAM0143C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 2.3 CP-box 10 pcs. | |
| UAM0144C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 3.0 CP | |
| UAM0144C-10 | | | AMADA® NOZZLE STRAIGHT TAPER Ø 3.0 CP-box 10 pcs. | |
| UAM0144C | | | AMADA® NOZZLE STRAIGHT TAPER Ø 3.0 CP | |



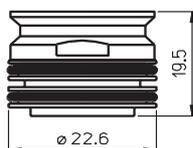
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| UAM0145C | | | AMADA® DOUBLE NOZZLE Ø 1.4 CP W/CONCAVE | |
| UAM0148C | | | AMADA® NOZZLE Ø 1.2 CP W/CONCAVE | |



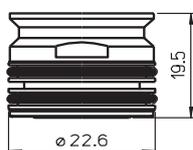
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0060 | | 71341614 | AMADA® DISC HEAD PROTECTION Ø 21 PLASTIC | |
| UAM0061 | | 71341614 | AMADA® DISC HEAD PROTECTION Ø 21 VESPEL | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-----------------------------------|------------|
| UAM0149 | | 71502026 | AMADA® PTFE INSULATOR FOR ADAPTOR | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|------------------------------------|------------|
| UAM0150 | | 71502036 | AMADA® NOZZLE ADAPTOR WITH 8 HOLES | |

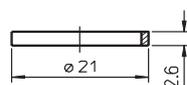


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-------------------------------------|------------|
| UAM0151 | | 71502036 | AMADA® NOZZLE ADAPTOR WITH 12 HOLES | |

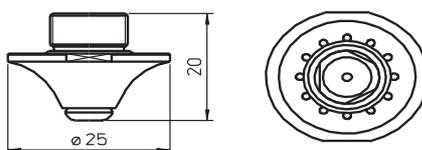
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|------------------------------|------------|
| UAM0152 | | | AMADA® KIT O-RINGS FOR AL248 | |



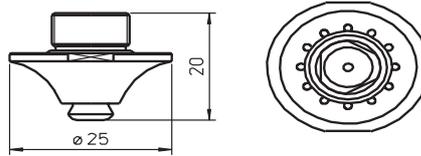
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| UAM0153 | | | AMADA® PTFE COLLAR RIGID VERSION FOR WACS | |



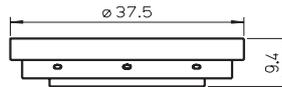
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-----------------------------|------------|
| UAM0154 | | 71515853 | AMADA® PTFE COLLAR FOR WACS | |



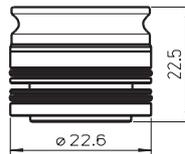
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0155C | | | AMADA® DOUBLE NOZZLE Ø 2.5 CP WITH HOLES | |
| UAM0156C | | | AMADA® DOUBLE NOZZLE Ø 4.0 CP WITH HOLES | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0157C | | | AMADA® DOUBLE NOZZLE Ø 1.4 CP WITH HOLES | |
| UAM0158C | | | AMADA® DOUBLE NOZZLE Ø 1.7 CP WITH HOLES | |
| UAM0159C | | | AMADA® DOUBLE NOZZLE Ø 2.0 CP WITH HOLES | |
| UAM0160C | | | AMADA® DOUBLE NOZZLE Ø 2.5 CP WITH HOLES | |
| UAM0161C | | | AMADA® DOUBLE NOZZLE Ø 4.0 CP WITH HOLES | |

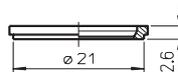


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|--------------------|--------------------|------------|
| UAM0163 | | 7973497 - 71712349 | AMADA® PTFE HOLDER | |

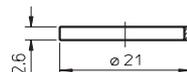


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------|---------------------|--------------------|--|------------|
| UAM0164 | | 71712350 - 7973459 | AMADA® NOZZLE ADAPTOR WITH HOLES | |
| UAM0164WI | | 71712350 - 7973459 | AMADA® NOZZLE ADAPTOR WITH HOLES and INNER | |

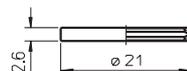
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-------------------------------|------------|
| UAM0165 | | | AMADA® KIT O-RING FOR ADAPTER | |



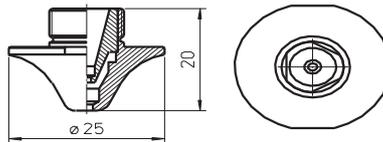
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| UAM0153 | | | AMADA® PTFE COLLAR RIGID VERSION FOR WACS | |



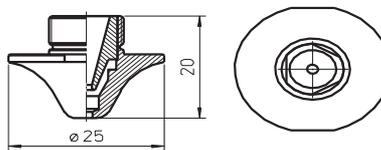
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-----------------------------|------------|
| UAM0154 | | 71515853 | AMADA® PTFE COLLAR FOR WACS | |



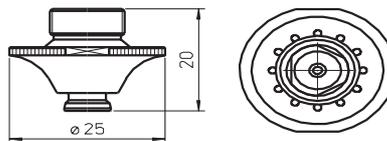
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--------------------------------|------------|
| UAM0166 | | 71712340 | AMADA® PTFE COLLAR WITH GROOVE | |



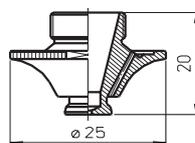
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|------------------------------|---|------------|
| UAM0167C | | 71518550 - 71461029-71502038 | AMADA® DOUBLE NOZZLE Ø D1.4E CP ECO CUT | |
| UAM0167C-10 | | 71518550 - 71461029-71502038 | AMADA® DOUBLE NOZZLE Ø D1.4E CP ECO CUT-box 10 pcs. | |
| UAM0168C | | 71516789 - 71501059 | AMADA® DOUBLE NOZZLE Ø D2.5 CP ECO CUT | |
| UAM0168C-10 | | 71516789 - 71501059 | AMADA® DOUBLE NOZZLE Ø D2.5 CP ECO CUT-box 10 pcs. | |
| UAM0169C | | | AMADA® DOUBLE NOZZLE Ø D3.0 CP ECO CUT | |
| UAM0169C-10 | | | AMADA® DOUBLE NOZZLE Ø D3.0 CP ECO CUT-box 10 pcs. | |
| UAM0170C | | 71516790 - 71501060 | AMADA® DOUBLE NOZZLE Ø D4.0 CP ECO CUT | |
| UAM0170C-10 | | 71516790 - 71501060 | AMADA® DOUBLE NOZZLE Ø D4.0 CP ECO CUT-box 10 pcs. | |



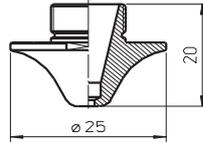
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-----------------------------------|------------|
| UAM0171C | | 71501093 | AMADA® DOUBLE NOZZLE Ø D4.0 AL CP | |



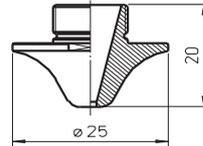
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|------------|---------------------|---------------------|--|------------|
| UAM0172C | | | AMADA® DOUBLE NOZZLE Ø D1.4W CP WACS | |
| UAM0172CTC | | | AMADA® DOUBLE NOZZLE Ø D1.4W CP WACS WITH COLLAR | |
| UAM0173C | | | AMADA® DOUBLE NOZZLE Ø D1.7W CP WACS | |
| UAM0173CTC | | | AMADA® DOUBLE NOZZLE Ø D1.7W CP WACS WITH COLLAR | |
| UAM0174C | | | AMADA® DOUBLE NOZZLE Ø D2.0W CP WACS | |
| UAM0174CTC | | | AMADA® DOUBLE NOZZLE Ø D2.0W CP WACS WITH COLLAR | |
| UAM0175C | | 71712335 | AMADA® DOUBLE NOZZLE Ø D2.5W CP WACS | |
| UAM0175CTC | | 71712335 | AMADA® DOUBLE NOZZLE Ø D2.5W CP WACS WITH COLLAR | |
| UAM0271C | | | AMADA® DOUBLE NOZZLE Ø D3.0W CP WACS | |
| UAM0271CTC | | | AMADA® DOUBLE NOZZLE Ø D3.0W CP WACS AND COLLAR | |
| UAM0176C | | 71712336 - 71461158 | AMADA® DOUBLE NOZZLE Ø D4.0W CP WACS | |
| UAM0176CTC | | | AMADA® DOUBLE NOZZLE Ø D4.0W CP WACS AND COLLAR | |
| UAM0177C | | | AMADA® DOUBLE NOZZLE Ø D5.0W CP WACS | |
| UAM0177CTC | | | AMADA® DOUBLE NOZZLE Ø D5.0W CP WACS WITH COLLAR | |



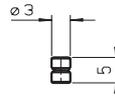
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|----------|---------------------|---------------|-------------------------------|------------|
| UAM0178C | | | AMADA® NOZZLE Ø S1.2W CP WACS | |



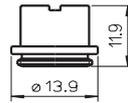
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| UAM0179C | | 71502037 - 71461028 | AMADA® NOZZLE Ø S1.2E CP ECO CUT | |
| UAM0179C-10 | | 71502037 - 71461028 | AMADA® NOZZLE Ø S1.2E CP ECO CUT-box 10 pcs. | |



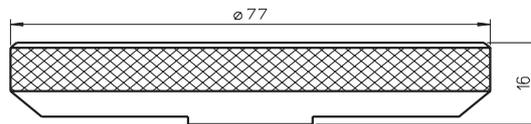
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|-------------|---------------------|---------------------|---|------------|
| UAM0180C | | | AMADA® NOZZLE Ø S1.4 CP ECO CUT | |
| UAM0180C-10 | | | AMADA® NOZZLE Ø S1.4 CP ECO CUT-box 10 pcs. | |
| UAM0181C | | 71501056 - 71712720 | AMADA® NOZZLE Ø S1.5 CP ECO CUT | |
| UAM0181C-10 | | 71501056 - 71712720 | AMADA® NOZZLE Ø S1.5 CP ECO CUT-box 10 pcs. | |
| UAM0182C | | 71501057 - 71555124 | AMADA® NOZZLE Ø S2.0 CP ECO CUT | |
| UAM0182C-10 | | 71501057 - 71555124 | AMADA® NOZZLE Ø S2.0 CP ECO CUT-box 10 pcs. | |
| UAM0183C | | 71516788 - 71501058 | AMADA® NOZZLE Ø S3.0 CP ECO CUT | |
| UAM0183C-10 | | 71516788 - 71501058 | AMADA® NOZZLE Ø S3.0 CP ECO CUT-box 10 pcs. | |



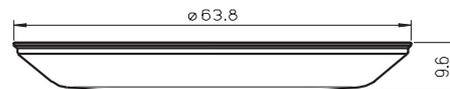
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| UAM0184 | | 71712344 | AMADA® LOCATING PIN | |



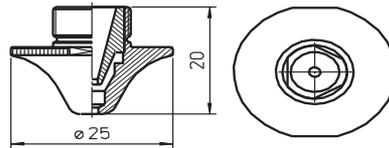
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| UAM0185 | | 71716438 - 71798350 | AMADA® INNER FOR ADAPTOR | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------|---------------------|---------------|----------------|------------|
| UAM0186SC | | 71712341 | AMADA® NUT KIT | |



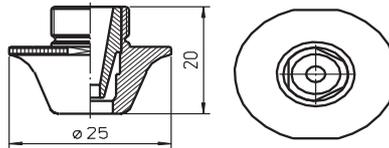
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|-----------|---------------------|---------------|------------------|------------|
| UAM0187SC | | 71712342 | AMADA® COVER KIT | |



UPT CODE ALTERNATE REFERENCE ORIGINAL CODE DESCRIPTION unit price

UAM0188SC **AMADA® DOUBLE NOZZLE Ø D2,5CC SPECIAL CP FOR CLEAN CUT**

UAM0189SC 71341728 - 71555121 **AMADA® DOUBLE NOZZLE Ø D4,0CC SPECIAL CP FOR CLEAN CUT**



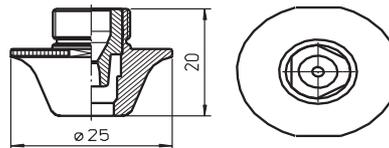
UPT CODE ALTERNATE REFERENCE ORIGINAL CODE DESCRIPTION unit price

UAM0190SC **AMADA® DOUBLE NOZZLE Ø D5,0CC SPECIAL CP FOR CLEAN CUT**

UAM0191SC **AMADA® DOUBLE NOZZLE Ø D6,0CC SPECIAL CP FOR CLEAN CUT**

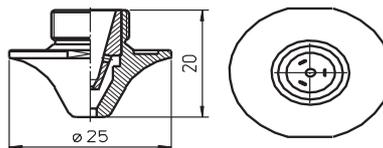
UAM0192SC 71341729 - 71712721 **AMADA® DOUBLE NOZZLE Ø D7,0CC SPECIAL CP FOR CLEAN CUT**

UAM0193C 71501092 **AMADA® DOUBLE NOZZLE Ø 7.0 AL CC CP**



UPT CODE ALTERNATE REFERENCE ORIGINAL CODE DESCRIPTION unit price

UAM0194C 71712692 **AMADA® DOUBLE NOZZLE Ø 7.0SC CP SILKY CUT**



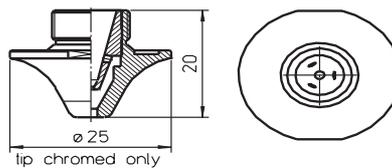
UPT CODE ALTERNATE REFERENCE ORIGINAL CODE DESCRIPTION unit price

UAM0246C **AMADA® DOUBLE NOZZLE Ø D1,5F CP**

UAM0195C 71570022 **AMADA® DOUBLE NOZZLE Ø D2,0F CP**

UAM0196C **AMADA® DOUBLE NOZZLE Ø D2,5F CP**

UAM0197C **AMADA® DOUBLE NOZZLE Ø D4,0F CP**



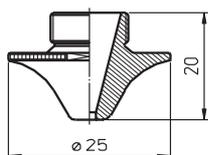
UPT CODE ALTERNATE REFERENCE ORIGINAL CODE DESCRIPTION unit price

UAM0246PSC **AMADA® DOUBLE NOZZLE Ø D1,5F CP**

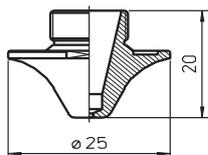
UAM0195PSC **AMADA® DOUBLE NOZZLE Ø D2,0F CP**

UAM0196PSC **AMADA® DOUBLE NOZZLE Ø D2,5F CP**

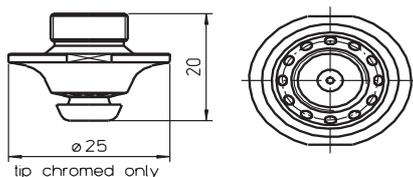
UAM0197PSC **AMADA® DOUBLE NOZZLE Ø D4,0F CP**



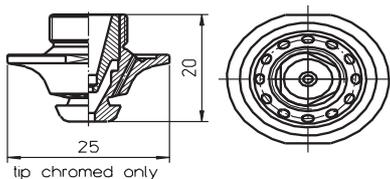
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------|---------------------|---------------|---|------------|
| UAM0198SC | | | AMADA® NOZZLE Ø S1.5CC SPECIAL CP FOR CLEAN CUT | |
| UAM0199SC | | 71502043 | AMADA® NOZZLE Ø S2.0CC SPECIAL CP FOR CLEAN CUT | |
| UAM0200SC | | | AMADA® NOZZLE Ø S2.5CC SPECIAL CP FOR CLEAN CUT | |
| UAM0201SC | | 71502044 | AMADA® NOZZLE Ø S3.0CC SPECIAL CP FOR CLEAN CUT | |



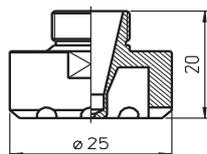
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|----------------------------|------------|
| UAM0203C | | 71570021 | AMADA® NOZZLE Ø S1.0 FE CP | |
| UAM0204C | | 71570020 | AMADA® NOZZLE Ø S1.2 FE CP | |
| UAM0205C | | | AMADA® NOZZLE Ø S1.4 FE CP | |



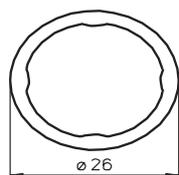
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|---------------|--|------------|
| UAM0206SC | | | AMADA® NOZZLE Ø S0.8 FE FIBER CP | |
| UAM0206SCTC | | | AMADA® NOZZLE Ø S0.8 FE FIBER CP WITH COLLAR | |
| UAM0207SC | | 71570030 | AMADA® NOZZLE Ø S1.0 FE FIBER CP | |
| UAM0207SCTC | | 71570030 | AMADA® NOZZLE Ø S1.0 FE FIBER CP WITH COLLAR | |
| UAM0208SC | | 71570023 | AMADA® NOZZLE Ø S1.2 FE FIBER CP | |
| UAM0208SCTC | | 71570023 | AMADA® NOZZLE Ø S1.2 FE FIBER CP WITH COLLAR | |
| UAM0209SC | | | AMADA® NOZZLE Ø S1.4 FE FIBER CP | |
| UAM0209SCTC | | | AMADA® NOZZLE Ø S1.4 FE FIBER CP WITH COLLAR | |
| UAM0210SC | | | AMADA® NOZZLE Ø S1.7 FE FIBER CP | |
| UAM0210SCTC | | | AMADA® NOZZLE Ø S1.7 FE FIBER CP WITH COLLAR | |
| UAM0211SC | | | AMADA® NOZZLE Ø S2.0 FE FIBER CP | |
| UAM0211SCTC | | | AMADA® NOZZLE Ø S2.0 FE FIBER CP WITH COLLAR | |



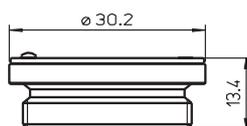
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-------------|---------------------|---------------|---|------------|
| UAM0212SC | | | AMADA® DOUBLE NOZZLE D1.2 FE FIBER CP | |
| UAM0212SCTC | | | AMADA® DOUBLE NOZZLE D1.2 FE FIBER CP WITH COLLAR | |
| UAM0213SC | | | AMADA® DOUBLE NOZZLE D1.5 FE FIBER CP | |
| UAM0213SCTC | | | AMADA® DOUBLE NOZZLE D1.5 FE FIBER CP WITH COLLAR | |



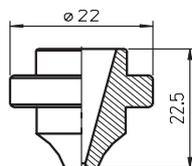
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| UAM0214 | | | AMADA® NOZZLE Ø 2,0 | |



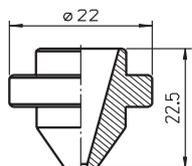
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
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| UAM0215 | | | AMADA® PTFE COLLAR | |



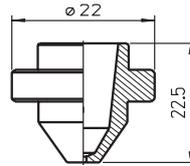
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|----------------------------|--|------------|
| UPR0218 | | P0594-860-00001 - 71800010 | PRECITEC® NOZZLE HOLDER IT HP2" MZP/MEL | |



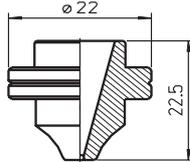
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|----------------|---------------------|---------------------------|--|------------|
| UMI0054 | | 71800016A0 - BQ933D283H01 | AMADA® - MITSUBISHI® NOZZLE Ø 1.0 WITH RADIUS NO GROOVE | |



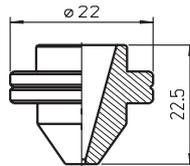
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|-------------------------|--|------------|
| UMI0045 | | 71800018 - BQ943D157H01 | AMADA® - MITSUBISHI® NOZZLE Ø 1.5 | |
| UAM0232 | | | AMADA® - MITSUBISHI® NOZZLE Ø 1.7 | |
| UMI0046 | | 71800019 - BQ943D157H02 | AMADA® - MITSUBISHI® NOZZLE Ø 2.0 | |
| UMI0047 | | 71800020 - BQ943D157H03 | AMADA® - MITSUBISHI® NOZZLE Ø 2.5 | |
| UMI0048 | | 71800021 - BQ943D157H04 | AMADA® - MITSUBISHI® NOZZLE Ø 3.0 | |
| UMI0049 | | 71800022 - BQ943D596H01 | AMADA® - MITSUBISHI® NOZZLE Ø 3.5 | |
| UMI0050 | | | AMADA® - MITSUBISHI® NOZZLE Ø 4.0 | |



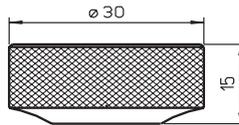
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|----------|---------------------|--------------------------------------|--------------------------------------|------------|
| UMI0051 | | 71800016-BQ943D897H01 - W18Q94389701 | AMADA® - MITSUBISHI® HV NOZZLE Ø 1.0 | |
| UMI0052 | | W18Q93309101 | AMADA® - MITSUBISHI® HV NOZZLE Ø 2.5 | |
| UMI0053 | | W18Q93309102 | AMADA® - MITSUBISHI® HV NOZZLE Ø 3.0 | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|--|--|------------|
| UMI0061 | | 71800017 - BQ943D269H01 - W18Q93326901 | AMADA® - MITSUBISHI® HV NOZZLE Ø 1.2 WITH RADIUS | |



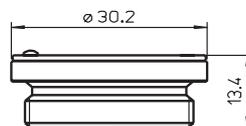
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| UMI0062 | | W18Q93302701 | AMADA® - MITSUBISHI® HV NOZZLE Ø 1.7 | |



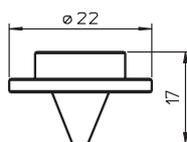
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| UMI0065 | | 71800026 - BQ933D94H01 | AMADA® - MITSUBISHI® NOZZLE NUT SHORT | |



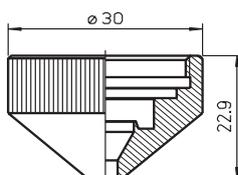
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--------------------|------------|
| UMI0001 | | W290-71800107 | MITSUBISHI® O-RING | |



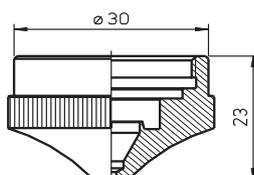
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|----------------------------|---|------------|
| UPR0218 | | P0594-860-00001 - 71800010 | PRECITEC® NOZZLE HOLDER IT HP2" MZP/MEL | |



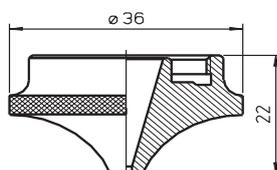
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|----------------------------------|--|------------|
| UMI0011 | | 71800023 - BQ943D156H01/W270-1.5 | AMADA® - MITSUBISHI® INNER NOZZLE 1.5 - 8 HOLES | |
| UMI0017 | | 71800024 - BQ943D156H03 | AMADA® - MITSUBISHI® INNER NOZZLE 1.5 - 24 HOLES | |
| UMI0012 | | | AMADA® - MITSUBISHI® INNER NOZZLE 2.0 - 8 HOLES | |
| UMI0018 | | | AMADA® - MITSUBISHI® INNER NOZZLE 2.0 - 24 HOLES | |



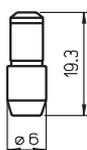
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|----------|---------------------|---|--|------------|
| UMI0028 | | 71800027 - BQ933D221H04 - P0593-860-00001 | AMADA® - MITSUBISHI® SHIELD CAP SHORT | |
| UMI0028C | | | AMADA® - MITSUBISHI® SHIELD CAP SHORT CP | |



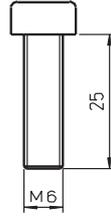
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| UMI0031 | | | AMADA® - MITSUBISHI® OUTER NOZZLE Ø 2.0 | |
| UMI0032 | | | AMADA® - MITSUBISHI® OUTER NOZZLE Ø 2.5 | |
| UMI0033 | | | AMADA® - MITSUBISHI® OUTER NOZZLE Ø 3.0 | |
| UMI0034 | | | AMADA® - MITSUBISHI® OUTER NOZZLE Ø 4.0 | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------------------|---------------------------------------|------------|
| UAM0216 | | 7180015400 - BQ023D020H01 | AMADA® NOZZLE HIGH SPEED PIERCE Ø 1.7 | |



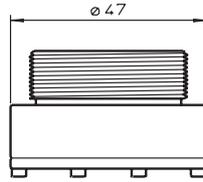
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|----------------------------------|-------------------|------------|
| UAM0217 | | 71800009 - P921K000P25 - JPZA5-6 | AMADA® SAFETY PIN | |



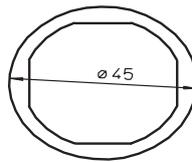
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|----------|---------------------|----------------------|---------------------|------------|
| UAM0218 | | 71800008 - L249OA005 | AMADA® SAFETY SCREW | |



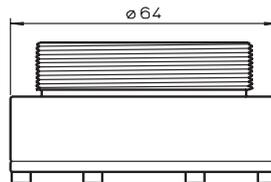
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--------------------|------------|
| UMI0001 | | W290-71800107 | MITSUBISHI® O-RING | |



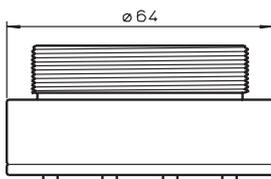
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|-----------------------------|------------|
| LT85 | | T07135390200 | AMADA® LENS Ø1.5 FL5.0 ASSY | |
| LT95 | | MD7136096900 | AMADA® LENS Ø1.5 FL7.5 ASSY | |
| UAM0219 | | | AMADA® MOUNT FOR LENS Ø 1.5 | |



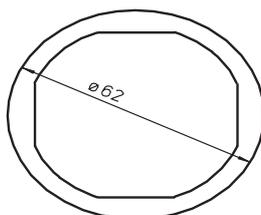
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0220 | | 71360261 | AMADA® GASKET PTFE - LENS HOUSING Ø1.5 | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|-------------------------|-----------------------------|------------|
| LT105 | | MD7110965200 - 71366182 | AMADA® LENS Ø2.0 FL5.0 ASSY | |
| LT110 | | MD7110965300 - 71368467 | AMADA® LENS Ø2.0 FL7.5 ASSY | |
| LT115 | | MD7110965400 | AMADA® LENS Ø2.0 FL 10 ASSY | |
| UAM0221 | | | AMADA® MOUNT FOR LENS Ø 2.0 | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| LT205 | | T07110968000 | AMADA® LENS Ø1.5 FL5.0 HP ASSY FOR F.O. | |
| LT210 | | T07110968100 | AMADA® LENS Ø1.5 FL7.5 HP ASSY FOR F.O. | |
| UAM0222 | | | AMADA® MOUNT FOR LENS Ø1.5 F.O. ALUMINIUM | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|--|------------|
| UAM0223 | | 71361393 | AMADA® GASKET PTFE - LENS HOUSING Ø2.0 | |

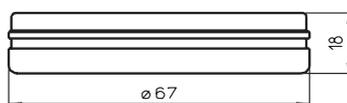


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------------|--|------------|
| LT300 | | | AMADA® Ø 1.5" FL5.0" ET 7.4MM MEN MP5 FO NT | |
| LT305 | | 71501072 - 11040081 | AMADA® Ø 1.5" FL5.0" ET 7.6MM PO/CX ASSY FO NT | |
| LT310 | | 71501070 | AMADA® Ø 1.5" FL7.5" ET 7.6MM PO/CX ASSY FO NT | |
| LT315 | | 71502030 | AMADA® Ø 1.5" FL10.0" ET7.6MM PO/CX ASSY FO NT | |
| LT320 | | | AMADA® Ø 1.5" FL 7.5" ET 7.4MM MP5 MEN | |
| UAM0224 | | | AMADA® MOUNT FOR LENS FL 5.0" FO NT | |
| UAM0225 | | | AMADA® MOUNT FOR LENS FL 7.5" FO NT | |

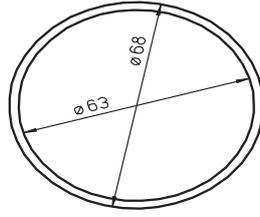


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|------------------------------|------------|
| UAM0226 | | 71501071 | AMADA® GASKET FOR LENS FO NT | |

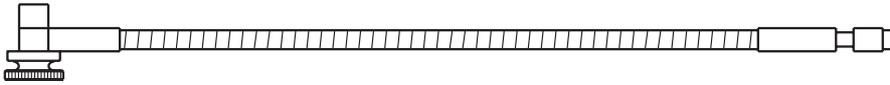
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------|---------------------|---------------|--|------------|
| UL304725P | | | IIVI LENS Ø 2.0" - FL 5.0" - ET 7,87mm | |
| UL892020P | | | IIVI LENS Ø 2.0" - FL 7.5" - ET 7.87MM PO/CX | |



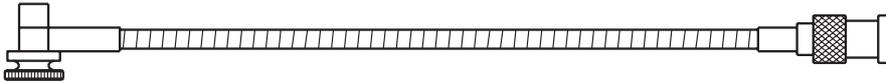
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|-------------------------|---|------------|
| LT410 | | 797341900 - 71710030000 | AMADA® Ø 2.0" FL7.5" ET 9.6MM PO/CX ASSY F1 | |



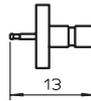
| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|---|------------|
| UAM0227 | | | AMADA® GASKET PTFE FOR SENSOR HEAD | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|--|------------|
| UAM0228 | | 71341630 | AMADA® CONNECTING CABLE HS 5 305 mm | |

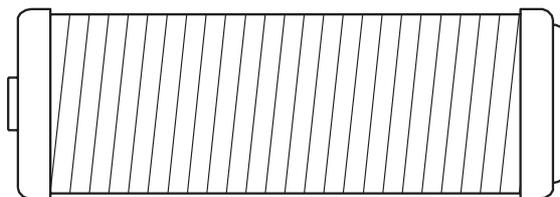


| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|--|------------|
| UAM0229 | | 71398965 | AMADA® CONNECTING CABLE HS-15 FO 315 mm | |



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|--------------------------------------|------------|
| UAM0230 | | | AMADA® SENSOR CABLE CONNECTOR | |

FILTERS



| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------------|---------------------|---------------|---|------------|
| UAM0231 | 71232023 | 71232023 | AMADA® MAZAK® FILTER VACUUM PUMP | |

FIBER LENSES II-VI FOR AMADA®

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|------------|---------------------|----------------------|--|------------|
| LT510 | | | II-VI FS PO/CX LENS 1.5"DIA 7.48"FL ET=.331" | |
| LT610 | | OT71570036 - 6037969 | II-VI FS PO/CX LENS 2"DIA 7.48"FL ET=.45" | |
| LT615 | | | II-VI FS PO/CX LENS 2"DIA 5.91"FL ET=.45" | |
| LT710 | | | II-VI FS PO/CX LENS 2"DIA 5.91"FL ET=.331" | |
| UL6554759P | | AXICON 6007348 | II-VI AXICON LENS 2"DIA 185.3FL ET=6mm | |
| UL6136390P | | AXICON 6133713 | II-VI AXICON LENS 2"DIA 222.63FL ET=6mm | |
| UL6042850P | | AXICON 6044677 | II-VI AXICON LENS 1.5"DIA 185.3FL ET=6mm | |
| UL6181992P | | AXICON 6033153 | II-VI AXICON LENS 2"DIA 220.0FL ET=6mm | |

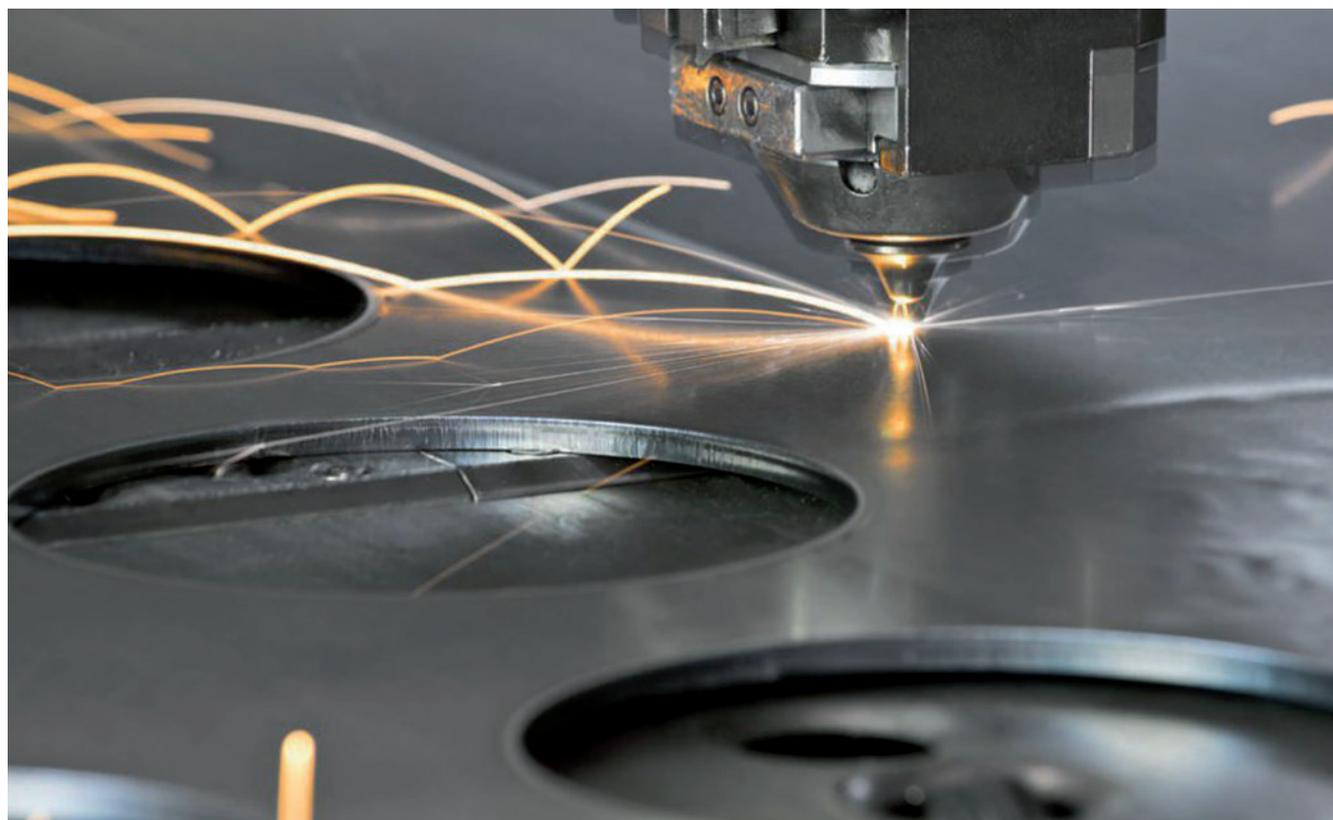
WINDOWS II-VI FOR AMADA®

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|-----------|---------------------|---------------|--|------------|
| UPW0010II | | 71570026 | IIVI FS OCTANGULAR WINDOW 1.311"X 1.4173"X .059"ET | |
| UPW0017II | | 71571308 | IIVI WINDOW 45MM X 3.0MM ET. | |

WINDOWS FOR AMADA®

| UPT CODE | ALTERNATE REFERENCE | ORIGINAL CODE | DESCRIPTION | unit price |
|----------|---------------------|---------------|---|------------|
| UPW0010 | | 71570026 | FS OCTANGULAR WINDOW 1.311"X 1.4173"X .059"ET | |
| UPW0017 | | 71571308 | WINDOW 45MM X 3.0MM ET. | |

UPT surl può fornire oltre a ugelli, ceramiche e ottiche (lenti, specchi, vetrini di protezione) soffiati, filtri aria, filtri acqua, filtri aspirazione, oli e liquidi vari.



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