

L'utensileria per chi lavora la lamiera

Ricambi e Ottiche per Macchine a taglio Laser



Accessori UPT

AMADA

BLM

BYSTRONIC

CY LASER

LVD

MAZAK

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PRECITEC

PRIMA

SALVAGNINI

TRUMPF

e altro su richiesta



STRUMENTI AVANZATI - SOFTWARE
PUNZONATURA - TAGLIO - PIEGATURA

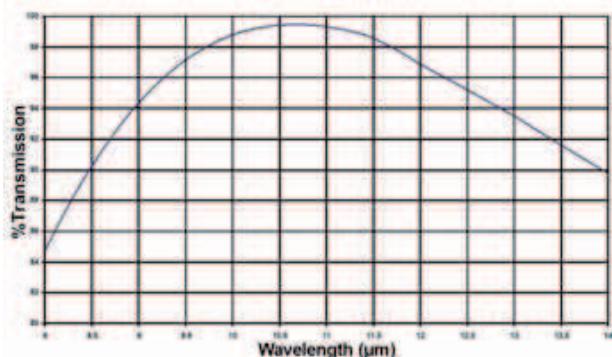
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COATING ANTIRIFLESSO - AR

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).

High-Efficiency Anti-Reflective Coating on ZnSe for 10.6µm
Transmission vs. Wavelength



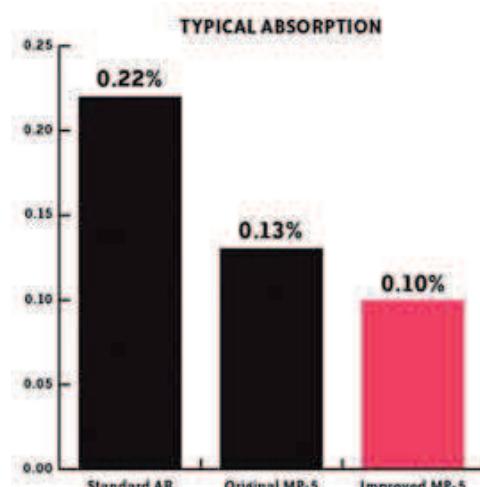
COATING ANTIRIFLESSO A BASSO ASSORBIMENTO - MP5-AR

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, sferrici, 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:



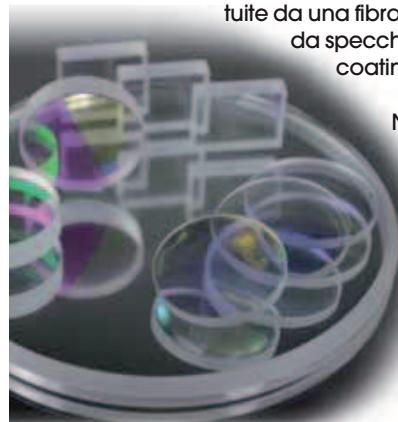
SILVER BASED	GOLD BASED	MAXIMUM METAL REFLECTOR	PHASE RETARDING	POLARIZATION CONTROL
PS	BG	MMR	TRZ	ATFR
ES	PG	MMR-A	RPR	PLM
	EG	DEMMR	HRPR	

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.



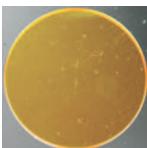
I residui delle lavorazioni accumulati sulla lente, se non vengono rimossi con operazioni costanti di pulizia, a lungo andare innescano il fenomeno dello stress termico. Lo stress altera le caratteristiche del fascio laser trasmesso determinando fluttuazioni diminuzioni di potenza e inducendo lo spostamento 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

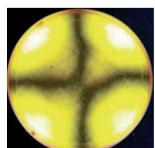
LSA Mini è l' evoluzione, portatile, economica e rapida, di LSA. Seguendo le semplici istruzioni di seguito, potrai velocemente capire, se la lente ha accusato lo stress termico, che può alterare le caratteristiche necessarie al corretto funzionamento della stessa".

Come usare LSA MINI:

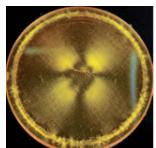
1. Trova lo schermo di computer più vicino
2. Aggancia il Mini LSA sul telefono, rivolto verso l'esterno e accendi la fotocamera.
3. Posiziona la lente, di fronte lo schermo. Ruota il telefono di fronte alla lente.
4. Ruotando il telefono, l' incrociare della polarizzazione, con la luce fluorescente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



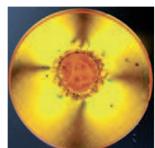
Nessun stress apparente.
Potrebbe bastare la pulizia della lente



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 soffietto 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



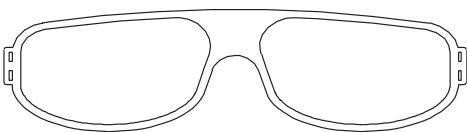
SOFFIETTI PER LASER

UPT srl 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.

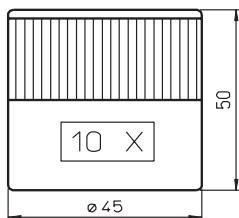
SOFFIETTI PER CREMAGLIERA DI RICAMBIO DELLE PRINCIPALI MARCHE DI MACCHINE TAGLIO LASER

- 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

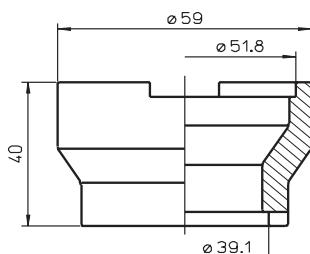




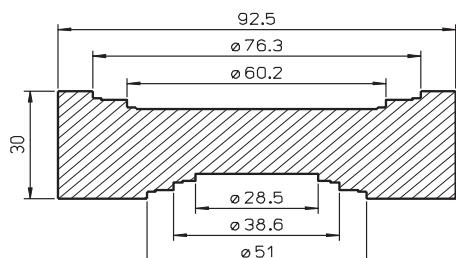
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UAC0001			ACC. LASER CO2 GLASSES CE APPROVED	
UAC0002		240568 - 100	ACC. LENS CLEANING POLISH - ml 100	
UAC0003		240568 - 200	ACC. LENS CLEANING POLISH - ml 200	
UAC0004			ACC. DROPPER FOR LENS CLEANING LIQUID	
UAC0005			ACC. LATEX GLOVES - 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	



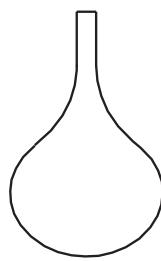
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UAC0012		091860	ACC. SCALE LUPE	



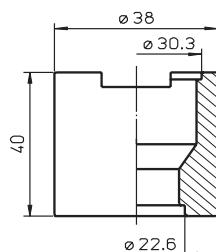
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UAC0013			ACC. BASE FOR LENS MAINTENANCE	



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-HANDED 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
ST-3310			AIR SPEED HAMMER completo di 2 TAMPONI	

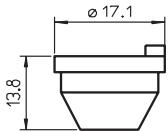
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
ST-3310K			AIR SPEED HAMMER completo di 6 TAMPONI	

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

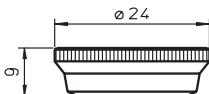
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
LSAMINI			LSA MINI LENS STRESS ANALYZER	

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

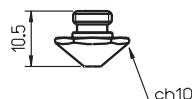
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
LCK5358332			II-VI KIT PULIZIA LENTI FIBRA	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UPR0162		280408-092405	TRUMPF® ORIG. NOZZLE HOLDER KT M1.5" KN	



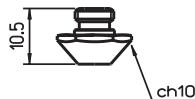
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UTR0172		280550-P0494-940-00001	TRUMPF® ORIG. RING	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0001		226939	TRUMPF® NOZZLE Ø 1.0	
UTR0001-10		226939	TRUMPF® NOZZLE Ø 1.0 -box 10 pcs.	
UTR0002			TRUMPF® NOZZLE Ø 1.4	
UTR0002-10			TRUMPF® NOZZLE Ø 1.4 -box 10 pcs	
UTR0003-10			TRUMPF® NOZZLE Ø 1.7 -box 10 pcs	
UTR0001C-10		226939	TRUMPF® NOZZLE Ø 1.0 CP -box 10 pcs	
UTR0002C-10			TRUMPF® NOZZLE Ø 1.4 CP -box 10 pcs	
UTR0003C-10			TRUMPF® NOZZLE Ø 1.7 CP -box 10 pcs	
UTR0004-10			TRUMPF® NOZZLE Ø 1.0 HD -box 10 pcs	
UTR0005		226940	TRUMPF® NOZZLE Ø 1.4 HD	
UTR0005-10		226940	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0006		227144	TRUMPF® NOZZLE Ø 1.7 HD	
UTR0006-10		227144	TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	

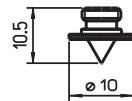


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UTR0007		237364	TRUMPF® SHOWER NOZZLE Ø 1.0	
UTR0007-10		237364	TRUMPF® SHOWER NOZZLE Ø 1.0 -box 10 pcs	

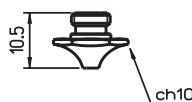


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UTR0008		135420-1354230	TRUMPF® NOZZLE Ø 0.8	
UTR0008-10		135420-1354230	TRUMPF® NOZZLE Ø 0.8 -box 10 pcs	
UTR0009		212334	TRUMPF® NOZZLE Ø 1.0	
UTR0009-10		212334	TRUMPF® NOZZLE Ø 1.0 -box 10 pcs	

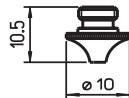
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UTR0008C-10		135420-1354230	TRUMPF® NOZZLE Ø 0.8 CP -box 10 pcs	
UTR0009C-10		212334	TRUMPF® NOZZLE Ø 1.0 CP -box 10 pcs	
UTR0010-10			TRUMPF® NOZZLE Ø 0.8 HD -box 10 pcs	
UTR0011			TRUMPF® NOZZLE Ø 1.0 HD	
UTR0011-10			TRUMPF® NOZZLE Ø 1.0 HD -box 10 pcs	
UTR0012		1479581	TRUMPF® NOZZLE Ø 1.2 HD	
UTR0012-10		1479581	TRUMPF® NOZZLE Ø 1.2 HD -box 10 pcs	
UTR0013		216199	TRUMPF® NOZZLE Ø 1.4 HD	
UTR0013-10		216199	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0014		225213	TRUMPF® NOZZLE Ø 1.7 HD	
UTR0014-10		225213	TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	
UTR0015		1487009	TRUMPF® NOZZLE Ø 2.0 HD	
UTR0015-10		1487009	TRUMPF® NOZZLE Ø 2.0 HD -box 10 pcs	
UTR0016		126156	TRUMPF® NOZZLE Ø 2.3 HD	
UTR0016-10		126156	TRUMPF® NOZZLE Ø 2.3 HD -box 10 pcs	
UTR0017-10			TRUMPF® NOZZLE Ø 2.5 HD -box 10 pcs	
UTR0018-10			TRUMPF® NOZZLE Ø 2.7 HD -box 10 pcs	
UTR0010C-10			TRUMPF® NOZZLE Ø 0.8 HD CP -box 10 pcs	
UTR0011C-10			TRUMPF® NOZZLE Ø 1.0 HD CP -box 10 pcs	
UTR0013C-10		216199	TRUMPF® NOZZLE Ø 1.4 HD CP -box 10 pcs	
UTR0014C		225213	TRUMPF® NOZZLE Ø 1.7 HD CP	
UTR0014C-10		225213	TRUMPF® NOZZLE Ø 1.7 HD CP -box 10 pcs	
UTR0016C-10		126156	TRUMPF® NOZZLE Ø 2.3 HD CP -box 10 pcs	
UTR0018C-10			TRUMPF® NOZZLE Ø 2.7 HD CP -box 10 pcs	



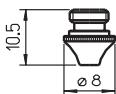
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UTR0028			TRUMPF® NOZZLE SHARP TIP	



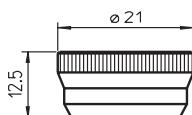
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UTR0019-10			TRUMPF® NOZZLE Ø 1.0 -box 10 pcs	
UTR0020-10			TRUMPF® NOZZLE Ø 1.0 HD -box 10 pcs	
UTR0021			TRUMPF® NOZZLE Ø 1.4 HD	
UTR0021-10			TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0022			TRUMPF® NOZZLE Ø 1.7 HD	
UTR0022-10			TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	
UTR0020C			TRUMPF® NOZZLE Ø 1.0 HD CP	
UTR0020C-10			TRUMPF® NOZZLE Ø 1.0 HD CP -box 10 pcs	
UTR0021C-10			TRUMPF® NOZZLE Ø 1.4 HD CP -box 10 pcs	
UTR0022C-10			TRUMPF® NOZZLE Ø 1.7 HD CP -box 10 pcs	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR2523			TRUMPF® NOZZLE Ø 0.25	
UTR0024-10		135320	TRUMPF® NOZZLE Ø 1.0 HD -box 10 pcs	
UTR0025-10			TRUMPF® NOZZLE Ø 1.20 HD -box 10 pcs	
UTR0026-10		135318	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0027		126157	TRUMPF® NOZZLE Ø 1.7 HD	
UTR0027-10		126157	TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	
UTR0024C-10		135320	TRUMPF® NOZZLE Ø 1.0 HD CP -box 10 pcs	
UTR0025C-10			TRUMPF® NOZZLE Ø 1.2 HD CP -box 10 pcs	
UTR0026C-10		135318	TRUMPF® NOZZLE Ø 1.4 HD CP -box 10 pcs	
UTR0027C-10		126157	TRUMPF® NOZZLE Ø 1.7 HD CP -box 10 pcs	

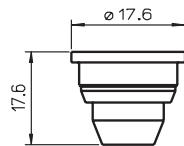


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UTR0029-10		958206	TRUMPF® NOZZLE Ø 0.25 -box 10 pcs	
UTR0030-10		913799	TRUMPF® NOZZLE Ø 0.8 HD -box 10 pcs	
UTR0031		913800	TRUMPF® NOZZLE Ø 1.0 HD	
UTR0031-10		913800	TRUMPF® NOZZLE Ø 1.0 HD -box 10 pcs	
UTR0032		1487034	TRUMPF® NOZZLE Ø 1.2 HD	
UTR0032-10		1487034	TRUMPF® NOZZLE Ø 1.2 HD -box 10 pcs	
UTR0033		913801	TRUMPF® NOZZLE Ø 1.4 HD	
UTR0033-10		913801	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0034		937988	TRUMPF® NOZZLE Ø 1.7 HD	
UTR0034-10		937988	TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	
UTR0035-10			TRUMPF® NOZZLE Ø 1.75 HD -box 10 pcs	
UTR0036			TRUMPF® NOZZLE Ø 2.0 HD	
UTR0036-10			TRUMPF® NOZZLE Ø 2.0 HD -box 10 pcs	
UTR0037		937989	TRUMPF® NOZZLE Ø 2.3 HD	
UTR0037-10		937989	TRUMPF® NOZZLE Ø 2.3 HD -box 10 pcs	
UTR0030C-10		913799	TRUMPF® NOZZLE Ø 0.8 HD CP -box 10 pcs	
UTR0031C-10		913800	TRUMPF® NOZZLE Ø 1.0 HD CP -box 10 pcs	
UTR0032C			TRUMPF® NOZZLE Ø 1.2 HD CP	
UTR0032C-10			TRUMPF® NOZZLE Ø 1.2 HD CP -box 10 pcs	
UTR0033C		913801	TRUMPF® NOZZLE Ø 1.4 HD CP	
UTR0033C-10		913801	TRUMPF® NOZZLE Ø 1.4 HD CP -box 10 pcs	
UTR0034C-10		937988	TRUMPF® NOZZLE Ø 1.7 HD CP -box 10 pcs	
UTR0036C-10			TRUMPF® NOZZLE Ø 2.0 HD CP -box 10 pcs	
UTR0037C		937989	TRUMPF® NOZZLE Ø 2.3 HD CP	
UTR0037C-10		937989	TRUMPF® NOZZLE Ø 2.3 HD CP -box 10 pcs	

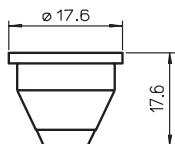


UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0038		0913965	TRUMPF® RETAINER NUT	

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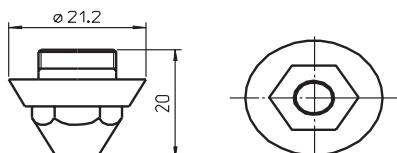
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0039		936678 - 913966/00-WO	TRUMPF® CERAMIC NOZZLE HOLDER	



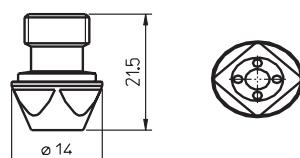
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UTR0040		936678 - 913966/00-WO	TRUMPF® CERAMIC NOZZLE HOLDER	



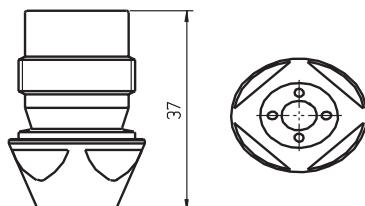
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0175-10		2241407	TRUMPF® NOZZLE EBC X12 -box 10 pcs	
UTR0176-10		2085524	TRUMPF® NOZZLE EBC X20 -box 10 pcs	
UTR0177-10		2241406	TRUMPF® NOZZLE EBC X31 -box 10 pcs	
UTR0178-10		2241524	TRUMPF® NOZZLE EBC X35 -box 10 pcs	
UTR0179-10		2241409	TRUMPF® NOZZLE EBC X40 -box 10 pcs	



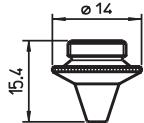
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0042C		932530	TRUMPF® NOZZLE Ø 4.5 CP	



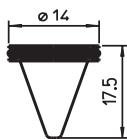
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0043		924947	TRUMPF® WELDING NOZZLE M10	



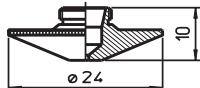
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0044		220783	TRUMPF® WELDING NOZZLE M18	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UPR0151		281813-P0589-424-00008	PRECITEC® NOZZLE Ø 0.8	
UPR0151-10		281813-P0589-424-00008	PRECITEC® NOZZLE Ø 0.8 -box 10 pcs	
UPR0152		281789-P0589-426-00010	PRECITEC® NOZZLE Ø 1.0	
UPR0152-10		281789-P0589-426-00010	PRECITEC® NOZZLE Ø 1.0 -box 10 pcs	
UPR0153		281561 - 778550	PRECITEC® NOZZLE Ø 1.2	
UPR0153-10		281561 - 778550	PRECITEC® NOZZLE Ø 1.2 -box 10 pcs	
UPR0154		281814 - 149957	PRECITEC® NOZZLE Ø 1.5	
UPR0154-10		281814 - 149957	PRECITEC® NOZZLE Ø 1.5 -box 10 pcs	
UPR0155-10		P0589-428-00020	PRECITEC® NOZZLE Ø 2.0 -box 10 pcs	

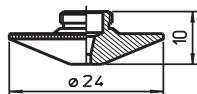


UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0045		12-11-16-00	TRUMPF® HAAS® YAG NOZZLE Ø 0.8 W/O-RING	
UTR0047		12-11-09-17/00	TRUMPF® HAAS® YAG NOZZLE Ø 1.2 W/O-RING	

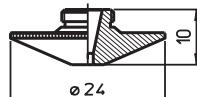


UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0048		124561-237499	TRUMPF® NOZZLE Ø 0.8	
UTR0048-10		124561-237499	TRUMPF® NOZZLE Ø 0.8 -box 10 pcs	
UTR0049		124562-237498	TRUMPF® NOZZLE Ø 1.0	
UTR0049-10		124562-237498	TRUMPF® NOZZLE Ø 1.0 -box 10 pcs	
UTR0050		966809	TRUMPF® NOZZLE Ø 1.2	
UTR0050-10		966809	TRUMPF® NOZZLE Ø 1.2 -box 10 pcs	
UTR0051			TRUMPF® NOZZLE Ø 1.4	
UTR0051-10			TRUMPF® NOZZLE Ø 1.4 -box 10 pcs	
UTR0052		237500	TRUMPF® NOZZLE Ø 1.5	
UTR0052-10		237500	TRUMPF® NOZZLE Ø 1.5 -box 10 pcs	
UTR0053			TRUMPF® NOZZLE Ø 1.7	
UTR0053-10			TRUMPF® NOZZLE Ø 1.7 -box 10 pcs	
UTR0054		237503	TRUMPF® NOZZLE Ø 2.0	
UTR0054-10		237503-1253211	TRUMPF® NOZZLE Ø 2.0 -box 10 pcs	
UTR0055		124564	TRUMPF® NOZZLE Ø 2.3	
UTR0055-10		124564	TRUMPF® NOZZLE Ø 2.3 -box 10 pcs	
UTR0056-10		237504	TRUMPF® NOZZLE Ø 3.0	
UTR0048C		352280	TRUMPF® NOZZLE Ø 0.8 CP	
UTR0048C-10		352280	TRUMPF® NOZZLE Ø 0.8 CP -box 10 pcs	
UTR0049C		352281	TRUMPF® NOZZLE Ø 1.0 CP	
UTR0049C-10		352281	TRUMPF® NOZZLE Ø 1.0 CP -box 10 pcs	
UTR0050C		352282	TRUMPF® NOZZLE Ø 1.2 CP	
UTR0050C-10		352282	TRUMPF® NOZZLE Ø 1.2 CP -box 10 pcs	
UTR0051C			TRUMPF® NOZZLE Ø 1.4 CP	

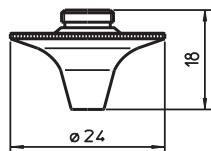
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UTR0051C-10			TRUMPF® NOZZLE Ø 1.4 CP -box 10 pcs	
UTR0052C		352288	TRUMPF® NOZZLE Ø 1.5 CP	
UTR0052C-10		352288	TRUMPF® NOZZLE Ø 1.5 CP -box 10 pcs	
UTR0023C			TRUMPF® NOZZLE Ø 1.7 CP	
UTR0053C-10			TRUMPF® NOZZLE Ø 1.7 CP -box 10 pcs	
UTR0054C			TRUMPF® NOZZLE Ø 2.0 CP	
UTR0054C-10			TRUMPF® NOZZLE Ø 2.0 CP -box 10 pcs	
UTR0055C		124564	TRUMPF® NOZZLE Ø 2.3 CP	
UTR0055C-10		124564	TRUMPF® NOZZLE Ø 2.3 CP -box 10 pcs	
UTR0056C-10			TRUMPF® NOZZLE Ø 3.0 CP -box 10 pcs	



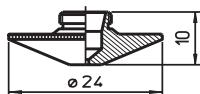
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UTR0057		237497	TRUMPF® NOZZLE Ø 1.4 HD	
UTR0057-10		237497	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0057C		352283	TRUMPF® NOZZLE Ø 1.4 HD CP	
UTR0057C-10		352283	TRUMPF® NOZZLE Ø 1.4 HD CP -box 10 pcs	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0058		237497/S	TRUMPF® NOZZLE Ø 1.4 HD	
UTR0058-10		237497/S	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0059		237501	TRUMPF® NOZZLE Ø 1.7 HD	
UTR0059-10		237501	TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	
UTR0060		237502	TRUMPF® NOZZLE Ø 2.0 HD	
UTR0060-10		237502	TRUMPF® NOZZLE Ø 2.0 HD -box 10 pcs	
UTR0061		126933	TRUMPF® NOZZLE Ø 2.3 HD	
UTR0061-10		126933	TRUMPF® NOZZLE Ø 2.3 HD -box 10 pcs	
UTR0062-10			TRUMPF® NOZZLE Ø 2.5 HD -box 10 pcs	
UTR0063		942742	TRUMPF® NOZZLE Ø 2.7 HD	
UTR0063-10		942742	TRUMPF® NOZZLE Ø 2.7 HD -box 10 pcs	
UTR0064-10			TRUMPF® NOZZLE Ø 3.0 HD -box 10 pcs	
UTR0058C		237497/S	TRUMPF® NOZZLE Ø 1.4 HD CP	
UTR0058C-10			TRUMPF® NOZZLE Ø 1.4 HD CP -box 10 pcs	
UTR0059C		352284	TRUMPF® NOZZLE Ø 1.7 HD CP	
UTR0059C-10		352284	TRUMPF® NOZZLE Ø 1.7 HD CP -box 10 pcs	
UTR0060C		352287	TRUMPF® NOZZLE Ø 2.0 HD CP	
UTR0060C-10		237502	TRUMPF® NOZZLE Ø 2.0 HD CP -box 10 pcs	
UTR0061C		352285	TRUMPF® NOZZLE Ø 2.3 HD CP	
UTR0061C-10		352285	TRUMPF® NOZZLE Ø 2.3 HD CP -box 10 pcs	
UTR0062C-10			TRUMPF® NOZZLE Ø 2.5 HD CP -box 10 pcs	
UTR0063C		352286	TRUMPF® NOZZLE Ø 2.7 HD CP	
UTR0063C-10		352286	TRUMPF® NOZZLE Ø 2.7 HD CP -box 10 pcs	
UTR0064C-10			TRUMPF® NOZZLE Ø 3.0 HD CP -box 10 pcs	



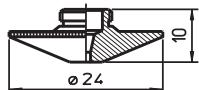
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UTR0065		1277773	TRUMPF® NOZZLE Ø 0.8	
UTR0065-10		1277773	TRUMPF® NOZZLE Ø 0.8-box 10 pcs.	
UTR0066		1277771	TRUMPF® NOZZLE Ø 1.0	
UTR0066-10		1277771	TRUMPF® NOZZLE Ø 1.0-box 10 pcs.	
UTR0067		1277774	TRUMPF® NOZZLE Ø 1.2	
UTR0067-10		1277774	TRUMPF® NOZZLE Ø 1.2-box 10 pcs.	
UTR0068		1277776	TRUMPF® NOZZLE Ø 1.4	
UTR0068-10		1277776	TRUMPF® NOZZLE Ø 1.4-box 10 pcs.	
UTR0069		1277779	TRUMPF® NOZZLE Ø 1.7	
UTR0069-10		1277779	TRUMPF® NOZZLE Ø 1.7-box 10 pcs.	
UTR0070		1277780	TRUMPF® NOZZLE Ø 2.0	
UTR0070-10		1277780	TRUMPF® NOZZLE Ø 2.0-box 10 pcs.	
UTR0071		1277781	TRUMPF® NOZZLE Ø 2.3	
UTR0071-10		1277781	TRUMPF® NOZZLE Ø 2.3-box 10 pcs.	
UTR0072		1277782	TRUMPF® NOZZLE Ø 2.7	
UTR0072-10		1277782	TRUMPF® NOZZLE Ø 2.7-box 10 pcs.	
UTR0065C			TRUMPF® NOZZLE Ø 0.8 CP	
UTR0065C-10			TRUMPF® NOZZLE Ø 0.8 CP-box 10 pcs.	
UTR0066C			TRUMPF® NOZZLE Ø 1.0 CP	
UTR0066C-10			TRUMPF® NOZZLE Ø 1.0 CP-box 10 pcs.	
UTR0067C			TRUMPF® NOZZLE Ø 1.2 CP	
UTR0067C-10			TRUMPF® NOZZLE Ø 1.2 CP-box 10 pcs.	
UTR0068C			TRUMPF® NOZZLE Ø 1.4 CP	
UTR0068C-10			TRUMPF® NOZZLE Ø 1.4 CP-box 10 pcs.	
UTR0069C			TRUMPF® NOZZLE Ø 1.7 CP	
UTR0069C-10			TRUMPF® NOZZLE Ø 1.7 CP-box 10 pcs.	
UTR0070C			TRUMPF® NOZZLE Ø 2.0 CP	
UTR0070C-10			TRUMPF® NOZZLE Ø 2.0 CP-box 10 pcs.	
UTR0071C			TRUMPF® NOZZLE Ø 2.3 CP	
UTR0071C-10			TRUMPF® NOZZLE Ø 2.3 CP-box 10 pcs.	
UTR0072C			TRUMPF® NOZZLE Ø 2.7 CP	
UTR0072C-10			TRUMPF® NOZZLE Ø 2.7 CP-box 10 pcs.	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0048SC		352280	TRUMPF® NOZZLE Ø 0.8 SPECIAL CP	
UTR0048SC-10		352280	TRUMPF® NOZZLE Ø 0.8 SPECIAL CP -box 10 pcs	
UTR0049SC		352281	TRUMPF® NOZZLE Ø 1.0 SPECIAL CP	
UTR0049SC-10		352281	TRUMPF® NOZZLE Ø 1.0 SPECIAL CP -box 10 pcs	
UTR0050SC		352282	TRUMPF® NOZZLE Ø 1.2 SPECIAL CP	
UTR0050SC-10		352282	TRUMPF® NOZZLE Ø 1.2 SPECIAL CP -box 10 pcs	

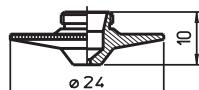
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
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UTR0057SC	352283		TRUMPF® NOZZLE Ø 1.4 HD SPECIAL CP	
UTR0057SC-10	352283		TRUMPF® NOZZLE Ø 1.4 HD SPECIAL CP -box 10 pcs	



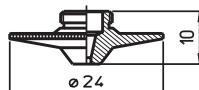
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
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UTR0058SC-10			TRUMPF® NOZZLE Ø 1.4 HD SPECIAL CP -box 10 pcs	
UTR0059SC		352284	TRUMPF® NOZZLE Ø 1.7 HD SPECIAL CP	
UTR0059SC-10		352284	TRUMPF® NOZZLE Ø 1.7 HD SPECIAL CP -box 10 pcs	
UTR0060SC		352287	TRUMPF® NOZZLE Ø 2.0 HD SPECIAL CP	
UTR0060SC-10		237502	TRUMPF® NOZZLE Ø 2.0 HD SPECIAL CP -box 10 pcs	
UTR0061SC		352285	TRUMPF® NOZZLE Ø 2.3 HD SPECIAL CP	
UTR0061SC-10		352285	TRUMPF® NOZZLE Ø 2.3 HD SPECIAL CP -box 10 pcs	
UTR0063SC		352286	TRUMPF® NOZZLE Ø 2.7 HD SPECIAL CP	
UTR0063SC-10		352286	TRUMPF® NOZZLE Ø 2.7 HD SPECIAL CP -box 10 pcs	



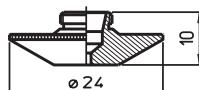
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UTR0073-10		215780	TRUMPF® NOZZLE Ø 0.8-box 10 pcs. -box 10 pcs	
UTR0074		087658	TRUMPF® NOZZLE Ø 1.0	
UTR0074-10		087658	TRUMPF® NOZZLE Ø 1.0-box 10 pcs. -box 10 pcs	
UTR0073C-10		215780	TRUMPF® NOZZLE Ø 0.8 CP-box 10 pcs. -box 10 pcs	
UTR0074C-10		087658	TRUMPF® NOZZLE Ø 1.0 CP-box 10 pcs. -box 10 pcs	



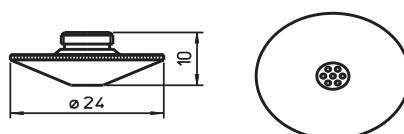
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
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UTR7074		088894	TRUMPF® NOZZLE Ø 1.4 HD	
UTR7074-10		088894	TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0075		217867	TRUMPF® NOZZLE Ø 1.7 HD	
UTR0075-10		217867	TRUMPF® NOZZLE Ø 1.7 HD -box 10 pcs	



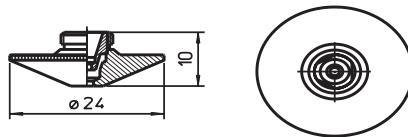
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
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UTR0077-10		088893	TRUMPF® NOZZLE Ø 1.5 -box 10 pcs	
UTR0078-10		221781	TRUMPF® NOZZLE Ø 2.0 -box 10 pcs	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
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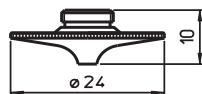
UTR0080-10		237872	TRUMPF® SHOWER NOZZLE Ø 0.8 -box 10 pcs	
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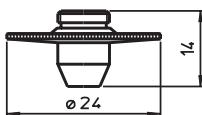
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UTR0082			TRUMPF® DOUBLE NOZZLE Ø 0.8	
UTR0082-10			TRUMPF® DOUBLE NOZZLE Ø 0.8 -box 10 pcs	
UTR0083-10			TRUMPF® DOUBLE NOZZLE Ø 1.0 -box 10 pcs	
UTR0084			TRUMPF® DOUBLE NOZZLE Ø 1.2	
UTR0084-10			TRUMPF® DOUBLE NOZZLE Ø 1.2 -box 10 pcs	
UTR0086			TRUMPF® DOUBLE NOZZLE Ø 1.4	
UTR0086-10			TRUMPF® DOUBLE NOZZLE Ø 1.4 -box 10 pcs	
UTR0087			TRUMPF® DOUBLE NOZZLE Ø 1.7	
UTR0087-10			TRUMPF® DOUBLE NOZZLE Ø 1.7 -box 10 pcs	
UTR0088			TRUMPF® DOUBLE NOZZLE Ø 2.0	
UTR0088-10			TRUMPF® DOUBLE NOZZLE Ø 2.0 -box 10 pcs	
UTR0089			TRUMPF® DOUBLE NOZZLE Ø 2.3	
UTR0089-10			TRUMPF® DOUBLE NOZZLE Ø 2.3 -box 10 pcs	
UTR0090-10			TRUMPF® DOUBLE NOZZLE Ø 2.7	
UTR0091-10			TRUMPF® DOUBLE NOZZLE Ø 3.0 -box 10 pcs	
UTR0082C			TRUMPF® DOUBLE NOZZLE Ø 0.8 CP	
UTR0086C			TRUMPF® DOUBLE NOZZLE Ø 1.4 CP	
UTR0087C			TRUMPF® DOUBLE NOZZLE Ø 1.7 CP	
UTR0088C-10			TRUMPF® DOUBLE NOZZLE Ø 2.0 CP -box 10 pcs	
UTR0089C			TRUMPF® DOUBLE NOZZLE Ø 2.3 CP	



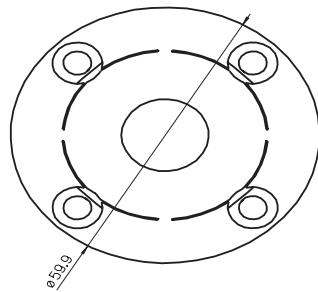
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UTR0095-10			TRUMPF® NOZZLE Ø 1.4 HD -box 10 pcs	
UTR0096			TRUMPF® NOZZLE Ø 1.7 HD	
UTR0097			TRUMPF® NOZZLE Ø 2.3 HD	
UTR0097-10			TRUMPF® NOZZLE Ø 2.3 HD -box 10 pcs	



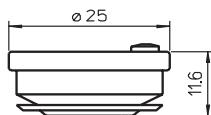
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0101C-10			TRUMPF® SPECIAL NOZZLE Ø 1.4 HD CP -box 10 pcs	
UTR0098C			TRUMPF® SPECIAL NOZZLE Ø 2.3 HD CP	



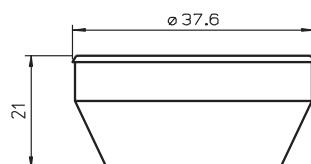
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0103			TRUMPF® EXTENDED NOZZLE Ø 0.8	
UTR0105			TRUMPF® EXTENDED NOZZLE Ø 1.2	
UTR0106			TRUMPF® EXTENDED NOZZLE Ø 1.4	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0109		234485	TRUMPF® BREAK-AWAY	



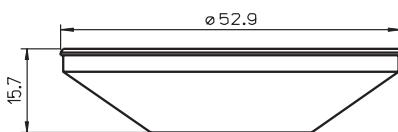
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0111		258809	TRUMPF® ORIG. NOZZLE HOLDER	
UTR0112		258809-243839-247894	TRUMPF® CERAMIC NOZZLE HOLDER	



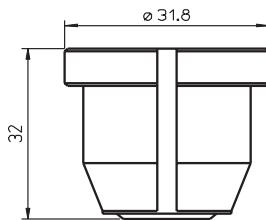
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0114		256153-955826	TRUMPF® PTFE COVER - WHITE	
UTR0115		256153-955826	TRUMPF® COVER - BLACK	



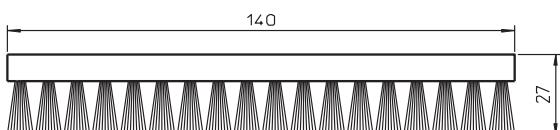
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UTR0116		254496	TRUMPF® PTFE COVER	



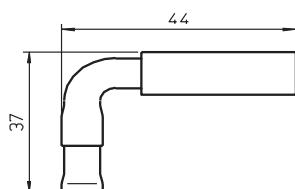
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0117		225286	TRUMPF® PTFE COVER	



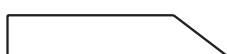
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0118		254493-260432	TRUMPF® CERAMIC NOZZLE HOLDER.	



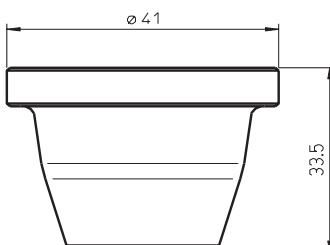
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0119		0353202 - 900594	TRUMPF® BRUSH - TASTER	



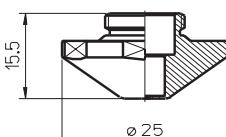
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0120		088557	TRUMPF® NOZZLE 90°	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0121		256184	TRUMPF® BLOW TUBE	

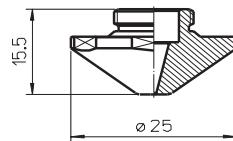


UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0122		1349171	TRUMPF® CERAMIC NOZZLE HOLDER	
UTR0123		1755673	TRUMPF® CERAMIC NOZZLE HOLDER AUTOCHANGER	

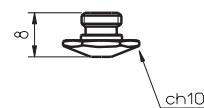


UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0132		1637264	TRUMPF® NOZZLE ZAA-01	

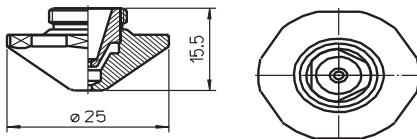
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0124		1324858	TRUMPF® NOZZLE Ø 0.8 EAA	
UTR0124-10		1324858	TRUMPF® NOZZLE Ø 0.8 EAA -box 10 pcs	
UTR0125		1324860	TRUMPF® NOZZLE Ø 1.0 EAA	
UTR0125-10		1324860	TRUMPF® NOZZLE Ø 1.0 EAA -box 10 pcs	
UTR0126		1324861	TRUMPF® NOZZLE Ø 1.2 EAA	
UTR0126-10		1324861	TRUMPF® NOZZLE Ø 1.2 EAA -box 10 pcs	
UTR0127		1324863	TRUMPF® NOZZLE Ø 1.4 EAA	
UTR0127-10		1324863	TRUMPF® NOZZLE Ø 1.4 EAA -box 10 pcs	
UTR0128		1324864	TRUMPF® NOZZLE Ø 1.7 EAA	
UTR0128-10		1324864	TRUMPF® NOZZLE Ø 1.7 EAA -box 10 pcs	
UTR0124SC			TRUMPF® NOZZLE Ø 0.8 EAA SPECIAL CP	
UTR0124SC-10			TRUMPF® NOZZLE Ø 0.8 EAA SPECIAL CP -box 10 pcs	
UTR0125SC			TRUMPF® NOZZLE Ø 1.0 EAA SPECIAL CP	
UTR0125SC-10			TRUMPF® NOZZLE Ø 1.0 EAA SPECIAL CP -box 10 pcs	
UTR0126SC			TRUMPF® NOZZLE Ø 1.2 EAA SPECIAL CP	
UTR0126SC-10			TRUMPF® NOZZLE Ø 1.2 EAA SPECIAL CP -box 10 pcs	
UTR0127SC			TRUMPF® NOZZLE Ø 1.4 EAA SPECIAL CP	
UTR0127SC-10			TRUMPF® NOZZLE Ø 1.4 EAA SPECIAL CP -box 10 pcs	
UTR0128SC			TRUMPF® NOZZLE Ø 1.7 EAA SPECIAL CP	
UTR0128SC-10			TRUMPF® NOZZLE Ø 1.7 EAA SPECIAL CP -box 10 pcs	



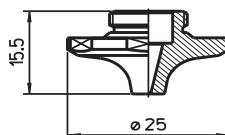
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0129		1324865	TRUMPF® NOZZLE Ø 2.0 EAA	
UTR0129-10		1324865	TRUMPF® NOZZLE Ø 2.0 EAA -box 10 pcs	
UTR0130		1324866	TRUMPF® NOZZLE Ø 2.3 EAA	
UTR0130-10		1324866	TRUMPF® NOZZLE Ø 2.3 EAA -box 10 pcs	
UTR0131		1324867	TRUMPF® NOZZLE Ø 2.7 EAA	
UTR0131-10		1324867	TRUMPF® NOZZLE Ø 2.7 EAA -box 10 pcs	
UTR0129SC			TRUMPF® NOZZLE Ø 2.0 EAA SPECIAL CP	
UTR0129SC-10			TRUMPF® NOZZLE Ø 2.0 EAA SPECIAL CP -box 10 pcs	
UTR0130SC-10			TRUMPF® NOZZLE Ø 2.3 EAA SPECIAL CP -box 10 pcs	
UTR0131SC-10			TRUMPF® NOZZLE Ø 2.7 EAA SPECIAL CP -box 10 pcs	



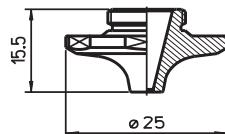
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0133		1589610	TRUMPF® BLOW OFF NOZZLE EBM Ø 2.0	



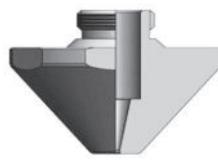
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0134			TRUMPF® DOUBLE NOZZLE Ø 0.8	
UTR0134-10			TRUMPF® DOUBLE NOZZLE Ø 0.8 -box 10 pcs	
UTR0135			TRUMPF® DOUBLE NOZZLE Ø 1.0	
UTR0135-10			TRUMPF® DOUBLE NOZZLE Ø 1.0 -box 10 pcs	
UTR0136			TRUMPF® DOUBLE NOZZLE Ø 1.2	
UTR0136-10			TRUMPF® DOUBLE NOZZLE Ø 1.2 -box 10 pcs	
UTR0137			TRUMPF® DOUBLE NOZZLE Ø 1.4	
UTR0137-10			TRUMPF® DOUBLE NOZZLE Ø 1.4 -box 10 pcs	
UTR0138			TRUMPF® DOUBLE NOZZLE Ø 1.7	
UTR0138-10			TRUMPF® DOUBLE NOZZLE Ø 1.7 -box 10 pcs	
UTR0134SC-10			TRUMPF® DOUBLE NOZZLE Ø 0.8 SPECIAL CP -box 10 pcs	
UTR0135SC-10			TRUMPF® DOUBLE NOZZLE Ø 1.0 SPECIAL CP -box 10 pcs	
UTR0136SC-10			TRUMPF® DOUBLE NOZZLE Ø 1.2 SPECIAL CP -box 10 pcs	
UTR0137SC-10			TRUMPF® DOUBLE NOZZLE Ø 1.4 SPECIAL CP -box 10 pcs	
UTR0138SC-10			TRUMPF® DOUBLE NOZZLE Ø 1.7 SPECIAL CP -box 10 pcs	
UTR0139			TRUMPF® DOUBLE NOZZLE Ø 2.0	
UTR0139-10			TRUMPF® DOUBLE NOZZLE Ø 2.0 -box 10 pcs	
UTR0140			TRUMPF® DOUBLE NOZZLE Ø 2.3	
UTR0140-10			TRUMPF® DOUBLE NOZZLE Ø 2.3 -box 10 pcs	
UTR0141			TRUMPF® DOUBLE NOZZLE Ø 2.7	
UTR0141-10			TRUMPF® DOUBLE NOZZLE Ø 2.7 -box 10 pcs	
UTR0139SC-10			TRUMPF® DOUBLE NOZZLE Ø 2.0 SPECIAL CP -box 10 pcs	
UTR0140SC-10			TRUMPF® DOUBLE NOZZLE Ø 2.3 SPECIAL CP -box 10 pcs	
UTR0141SC-10			TRUMPF® DOUBLE NOZZLE Ø 2.7 SPECIAL CP -box 10 pcs	



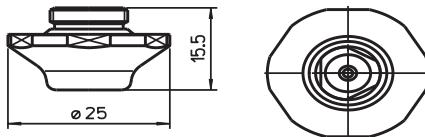
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0143-10		1373324	TRUMPF® NOZZLE Ø 0.8 EAB -box 10 pcs	
UTR0144-10		1373325	TRUMPF® NOZZLE Ø 1.0 EAB -box 10 pcs	
UTR0145-10		1373326	TRUMPF® NOZZLE Ø 1.2 EAB -box 10 pcs	
UTR0146-10		1373327	TRUMPF® NOZZLE Ø 1.4 EAB -box 10 pcs	
UTR0147-10		1373328	TRUMPF® NOZZLE Ø 1.7 EAB -box 10 pcs	



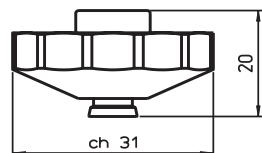
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0148-10		1373329	TRUMPF® NOZZLE Ø 2.0 EAB -box 10 pcs	
UTR0149-10		1373330	TRUMPF® NOZZLE Ø 2.3 EAB -box 10 pcs	
UTR0150-10		1373331	TRUMPF® NOZZLE Ø 2.7 EAB -box 10 pcs	



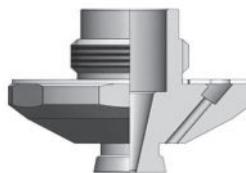
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0190		1851641	TRUMPF® NOZZLE ECP Ø 0,8	
UTR0190-10		1851641	TRUMPF® NOZZLE ECP Ø 0,8 -box 10 pcs	
UTR0191		1851587	TRUMPF® NOZZLE ECP Ø 1.0	
UTR0191-10		1851587	TRUMPF® NOZZLE ECP Ø 1.0 -box 10 pcs	
UTR0192		1851588	TRUMPF® NOZZLE ECP Ø 1.2	
UTR0192-10		1851588	TRUMPF® NOZZLE ECP Ø 1.2 -box 10 pcs	
UTR0193		1851618	TRUMPF® NOZZLE ECP Ø 1.4	
UTR0193-10		1851618	TRUMPF® NOZZLE ECP Ø 1.4 -box 10 pcs	
UTR0194		1851619	TRUMPF® NOZZLE ECP Ø 1.7	
UTR0194-10		1851587	TRUMPF® NOZZLE ECP Ø 1.7 -box 10 pcs	
UTR0195		1851620	TRUMPF® NOZZLE ECP Ø 2.0	
UTR0195-10		1851620	TRUMPF® NOZZLE ECP Ø 2.0 -box 10 pcs	
UTR0196		1851651	TRUMPF® NOZZLE ECP Ø 2.3	
UTR0196-10		1851651	TRUMPF® NOZZLE ECP Ø 2.3 -box 10 pcs	
UTR0197		1851652	TRUMPF® NOZZLE ECP Ø 2.7	
UTR0197-10		1851652	TRUMPF® NOZZLE ECP Ø 2.7 -box 10 pcs	



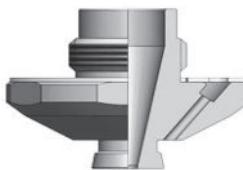
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0151		1809091	TRUMPF® DOUBLE NOZZLE Ø 6.0 EAQ	
UTR0152		1809421	TRUMPF® DOUBLE NOZZLE Ø 7.5 EAQ	
UTR0153		1886199	TRUMPF® DOUBLE NOZZLE Ø 9.5 EAQ	



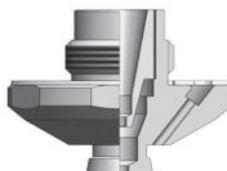
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0154		1774018	TRUMPF® NOZZLE EFL D1,4	
UTR0155		1838745	TRUMPF® NOZZLE EFL D1,7	
UTR0156		1774020	TRUMPF® NOZZLE EFL D2,0	
UTR0157		1774092	TRUMPF® NOZZLE EFL D2,3	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0180			TRUMPF® NOZZLE EGL Ø 1.4	
UTR0181			TRUMPF® NOZZLE EGL Ø 1.7	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0182			TRUMPF® NOZZLE EGL Ø 2.0	
UTR0183			TRUMPF® NOZZLE EGL Ø 2.3	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0184			TRUMPF® DOUBLE NOZZLE EGL Ø 2.0	
UTR0185			TRUMPF® DOUBLE NOZZLE EGL Ø 2.5	
UTR0186			TRUMPF® DOUBLE NOZZLE EGL Ø 3.0	
UTR0187			TRUMPF® DOUBLE NOZZLE EGL Ø 4.0	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0200		2059462	TRUMPF® DOUBLE NOZZLE EAU Ø 2.5	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0201		2060001	TRUMPF® DOUBLE NOZZLE EAU Ø 3.0	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0202		2060004	TRUMPF® DOUBLE NOZZLE EAU Ø 4.0	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0203		2060025	TRUMPF® DOUBLE NOZZLE EAU Ø 6.0	



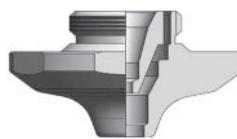
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0204		2253595	TRUMPF® DOUBLE NOZZLE EAU Ø 10.0	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0209		1633046	TRUMPF® NOZZLE EAC Ø 5.3	
UTR0209-10		1633046	TRUMPF® NOZZLE EAC Ø 5.3 -box 10 pcs	



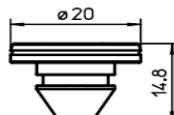
UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0212		1579549	TRUMPF® DOUBLE NOZZLE EAK Ø 2.5	
UTR0213		1579556	TRUMPF® DOUBLE NOZZLE EAK Ø 3.0	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0214		1835747	TRUMPF® DOUBLE NOZZLE EAK Ø 4.0	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0216		1664569	TRUMPF® DOUBLE NOZZLE EAN Ø 1.7	
UTR0217		1664602	TRUMPF® DOUBLE NOZZLE EAN Ø 2.0	
UTR0218		1664625	TRUMPF® DOUBLE NOZZLE EAN Ø 2.5	



UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0158		202952	TRUMPF® NOZZLE Ø 0.8	
UTR0159		218969	TRUMPF® NOZZLE Ø 1.0	
UTR0161		217953	TRUMPF® NOZZLE Ø 1.7 HD	

UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UTR0171		146152	TRUMPF® WATER FILTER 30x68x250 146152	

LENSES II-VI FOR TRUMPF®

UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UL831393M		346104	IIVI LENS Ø 1.5" - FL 3.75" - ET 7.4MM MEN	
UL977976M		141972	IIVI LENS Ø 1.5" - FL 9" - ET 7.4MM MEN	
UL406294M		088114	IIVI LENS Ø 1.5" - FL 5.0" - ET 7.4MM MEN	
UL702232M		097517	IIVI LENS Ø 1.5" - FL7.5" - ET 7.4MM MEN	
UL861143M			IIVI LENS Ø 1.5" - FL10" - ET 7.4MM MEN	
UL312503M			IIVI LENS Ø 1.5" - FL 5.0" - ET 7.4MM MP5 MEN	
UL474644M			IIVI LENS Ø 1.5" - FL7.5" - ET 7.4MM MP5 MEN	

WINDOWS II-VI FOR TRUMPF®

UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UPW0002II		1614767	IIVI WINDOW Dia. 34.0 MM X 5.0 MM	
UPW0007II		0766719	IIVI WINDOW Dia. 30 MM X d 5.0 MM	

WINDOWS FOR TRUMPF®

UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
UPW0002		1614767	WINDOW Dia. 34.0 MM X 5.0 MM	
UPW0007		0766719	WINDOW Dia. 30 MM X d 5.0 MM	

ORIGINAL PRECITEC® WINDOWS

UPT CODE	ALTERNATE REFERENCE	ORIGINAL CODE	DESCRIPTION	unit price
P795120100002		P0795-1201-00002	PRECITEC® ORIG. WINDOW Dia. 30 MM X d 5.0 MM	

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