

TALAS

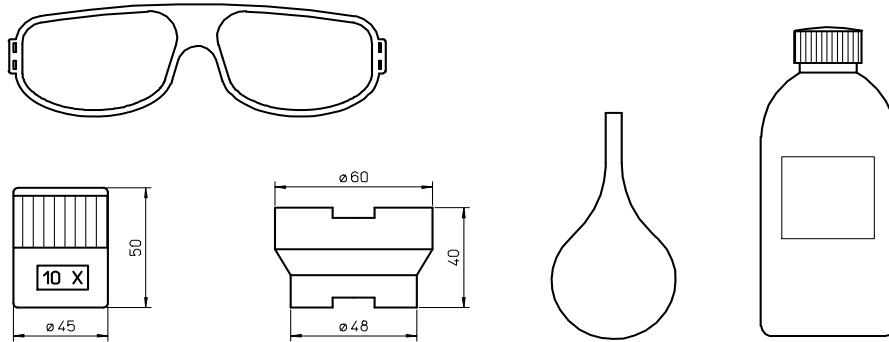


CO₂ laser consumables – Cincinnati®

TALAS

Paardenkerkhofstraat 56 B-2800 Mechelen
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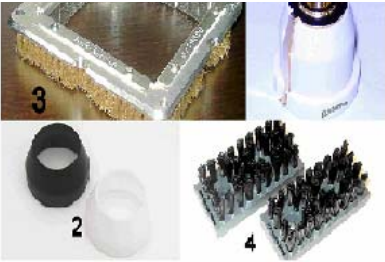
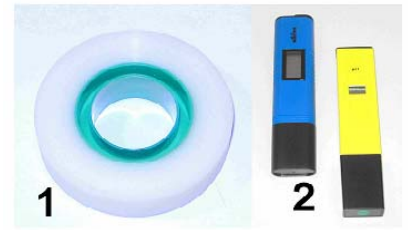
ACCESSORIES

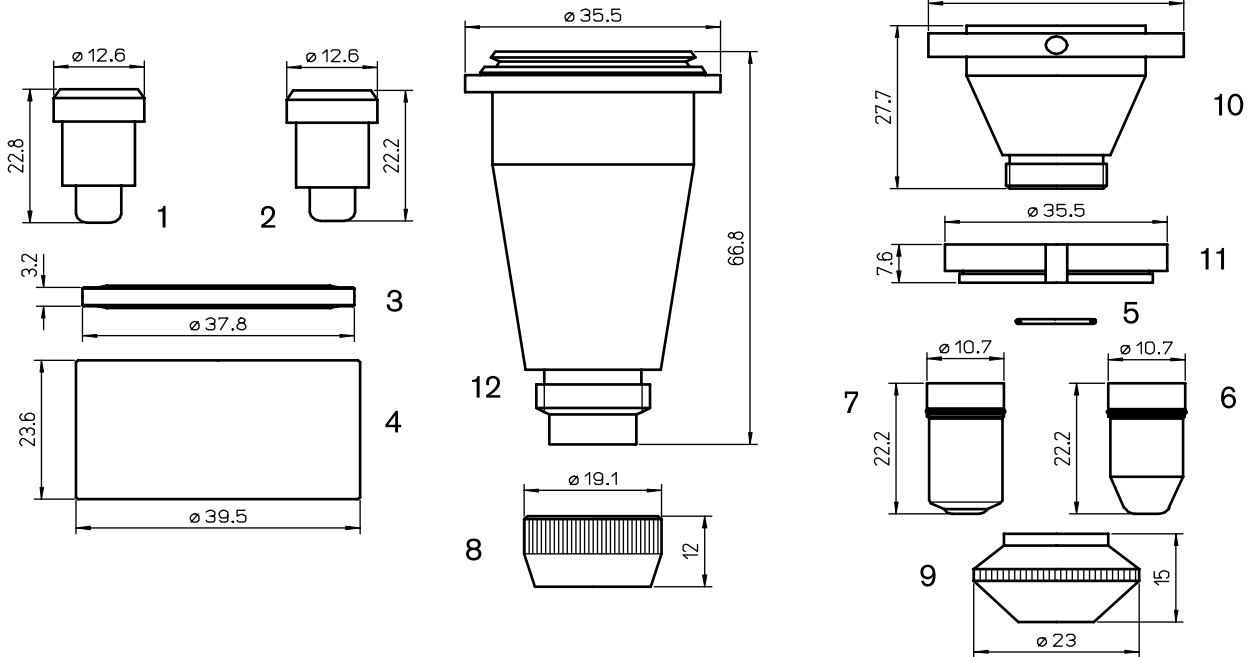


POS	Talas CODE	ORIGINAL CODE	DESCRIPTION
	AL1100		LASER CO ² GLASSES CE APPROVED
	AL1100017		LASER ECO CO ² GLASSES CE APPROVED 1.5-4.0kW
	AL1100015		LASER PROTECTOR CO ² GLASSES CE APPROVED 1.5-4.0kW
	AL1100018		LASER PROTECTOR CO ² GLASSES CE APPROVED 1.5-4.0kW
	GLADIATOR		LASER OVERGLASSES CO ² LIGHT VERSION 80g
	OVERSPEC		LASER OVERGLASSES CO ² VERSION 1500-4000W
	AL1001	123602	LENS CLEANING LIQUID - ml 200
	AL1001/L	123602	LENS CLEANING LIQUID - ml 1000
	AL1003-100	240568-100	LENS CLEANING POLISH - ml 100
	AL1003-200	240568-200	LENS CLEANING POLISH - ml 200
	AL1004		POLISH DETERGENT
	AL1010		DROPPER FOR LENS CLEANING LIQUID
	AL1120		LATEX GLOVES - 10 pieces
	ALI115		INDIUM WIRE ϕ 1.0mm FOR 1.5" LENS
	ALI115/M		MAZAK® INDIUM 0.8mm FOR 1.5" MAZAK® LENS
	ALI120		INDIUM WIRE ϕ 1.0mm FOR ϕ 2.0mm LENS
	ALI120/M		MAZAK® INDIUM 0,8mm FOR 2,0" LENS
	SC50		LENS CLEANING PAPER - 75x135 - 50sheets
	SC100		KODAK LENS CLEANING PAPER - 70x120 - 50sheets
	SC105		LENS CLEANING PAPER - 100x105 - 50sheets
	SC20		COTTON SWAB -20 pieces
	AL1115		LENS CLEANING PRE-CUT COTTON - 100 pieces
	AL255	091860	SCALE LUPE
	AL271		BASE FOR LENS MAINTENANCE FOR 1,5" & 2,0" LENS
	AL282		INJECTOR
	350424-005		Lens Cleaning Holder 1.5" with Polarisors
	350423-005		Lens Cleaning Holder 2.0" with Polarisors
	910000		Lens Cleaning Kit
	020003-101		EZ Clean Wipes for Easy Lens Cleaning/ 24Pack

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Consumables

Centricut part number	Reference number	Alternate reference	Description	Pkg qty
1 CN305-8090	908090	L220	Elongated nozzle – 1.5 mm (0.060")	1
CN305-7469	907469	L221	Nozzle – 1.0 mm (0.040")	1
2 CN305-7470	907470	L222	Nozzle – 1.5 mm (0.060")	1
CN305-0006	920006	L223	Nozzle – 2.0 mm (0.080")	1
3 CN305-0000		AL92	Gasket – Teflon® w/spring	1
4 CN305-7677	907677	AL71/S	Nozzle holder – contact	1
CN305-7472	907472	AL71	Nozzle holder – contact w/gasket	1
5 CN306-9680	909680	AL95	O-ring for nozzle	10
CN306-0011		L1528	Nozzle – 0.8 mm (.0315")	1
CN306-9660-1	924635	L712	Nozzle – 1.0 mm (0.040")	1
CN306-0012		L961	Nozzle – 1.2 mm (0.045")	1
CN306-0013		L962	Nozzle – 1.3 mm (0.050")	1
CN306-0014		L963	Nozzle – 1.4 mm (0.055")	1
CN306-9660	909660	L224	Nozzle – 1.5 mm (0.060")	1
6 CN306-0315	910315	L225	Nozzle – 2.0 mm (0.080")	1
CN306-3789	924638	L713	Nozzle – 2.5 mm (0.100")	1
CN306-4634	924634	L714	Nozzle – 3.0 mm (0.120")	1
CN306-4635	924635	L1017	Nozzle – 3.15 mm (.124")	1
CN306-3013	923013	L433	Nozzle – 1.0 shower (0.040")	1
CN306-3014	923014	L434	Nozzle – 1.5 shower (0.060")	1
CN306-0020		L435	Nozzle – 2.0 shower (0.080")	1
CN306-5127 (not shown)	925127	L938	Nozzle – 3.1 mm long (0.125")	1
CN306-2815 (not shown)	912815	L724	Nozzle – 4.0 mm long (0.160")	1
7 CN306-4636	924636	L869	Nozzle – 1.5 mm (0.060")	1
CN306-4637	924637	L870	Nozzle – 2.0 mm (0.080")	1
CN306-9910 (not shown)	913025	L1018	Nozzle – 1.0 mm (0.040") double	1
CN306-9915 (not shown)	913026	L1019	Nozzle – 1.5 mm (0.060") double	1
CN306-9920 (not shown)	913027	L1020	Nozzle – 2.0 mm (0.080") double	1
CN306-9925 (not shown)		L1021	Nozzle – 2.5 mm (0.100") double	1
8 CN306-9659	909659	AL48	Tip lock nut	1
9 CN306-3021	963021	AL135	Tip retainer nut	1

Consumables

Centricut part number	Reference number	Alternate reference	Description	Pkg qty
10 CN306-0150	923258	AL137	Nozzle body	1
11 CN306-0001	923259	AL139	Insulator ring	1
12 CN306-9658	909658	AL183	Tip retainer extension	1
CN306-1022 (not shown)		L1022	Nozzle – 1.5 mm double w/o-ring	1
CN306-9664 (not shown)	909664, 56161		O-ring	1
CN306-0654A (not shown)	909654, 922686		Sensor cable – armored 4.5	1
CN306-0951A (not shown)	842951		Sensor cable – armored 5.5	1
CN306-9654 (not shown)	909654, 922686		Sensor cable 4.5	1
CN306-2951 (not shown)	842951, PLTTW0015		Sensor cable 5.5	1

Optics

Centricut part number	Reference number	Type	Diameter	Focal length	Edge thickness
Lenses					
CN307-7557	907557	PLX	1.5"	5.0"	.160"
CN307-8085	908085	PLX	1.5"	5.0"WD	.280"
CN307-9484	909484	PLX	1.5"	7.5"WD	.280"
CN307-0676	922377	PLX	2.0"	5.0"WD	.380"
CN307-1603	922376	PLX	2.0"	7.5"WD	.380"
CN307-2377	922377	PLX	2.0"	5.0"	.380"
CN307-2376	922376	PLX	2.0"	7.5"	.380"
CN307-4498	154498	PLX	2.0"	10.0"WD	.380"
CN307-2722	922722	PLX	2.0"	4M	.236"

Ultra low absorption lenses

CN307-8085 ULA	908085	PLX	1.5"	5.0"WD	.280"
CN307-9484 ULA	909484	PLX	1.5"	7.5"WD	.280"
CN307-2377 ULA	922377	PLX	2.0"	5.0"	.380"
CN307-0211 ULA	504211	PLX	2.0"	5.0"WD	.380"
CN307-2376 ULA	922376	PLX	2.0"	7.5"	.380"

Centricut part number	Reference number	Type	Diameter	Edge thickness	S1
Collimating optics					
CN307-0296	920296	OUTPUT	1.97"	.375"	2.44MCC
CN307-0295	920295	INPUT	1.97"	.375"	1.73MCX

Centricut part number	Reference number	Material	Diameter	Edge thickness	S1
Phase shift mirrors					
CN307-8237	498237	SI	1.5"	.160"	
CN307-5214	845214	CU	1.96"	.375"	
CN307-5587	335587	SI	2.0"	.200"	
CN307-9975	909975	CU	2.25"	.390"	
CN307-2768	922768	CU	2.25"	1.25"	WC
CN307-2515	922515	CU	2.5"	.390"	

Centricut part number	Reference number	Material	Diameter	Edge thickness	Reflectivity
Absorbing thin film reflectors (ATFR)					
CN307-3414	923414	CU	2.0"	.375"	99.50%

New items shown in bold

Optics

Centricut part number	Reference number	Type	Material	Diameter	Edge thickness	S1
Zero phase shift mirrors and total reflectors						
CN307-7753	957753/F	TRZ	CU	1.96"	1.0"	
CN307-3849	233849	TRZ	CU	1.96"	.375"	
CN307-1793	909772	TRZ	CU	1.5"	.236"	
CN307-9772	909772	TRZ	CU	2.0"	2.126"	PLANO WC
CN307-2645	922645	MMR	SI	2.0"	.200"	PLANO
CN307-2992	222992	TRZ	SI	2.0"	.200"	45D
CN307-7971	907971	TRZ	SI	2.0"	.200"	
CN307-9976	909976	ZPS	CU	2.25"	.390"	
CN307-2769	922769	ZPS	CU	2.25"	1.25"	WC
CN307-0341	910341	ZPS	CU	3.0"	.500"	
CN307-3010	923010	TRZ	CU	3.0"	.500"	

Centricut part number	Reference number	Material	Diameter	Edge thickness	S1/Reflectivity	S2
Output couplers						
CN307-7969	907969	ZNSE	1.0"	.236"	30MCC-65%	30MCX
CN307-4510	924510	ZNSE	1.5"	.315"	15MCC-40%	
CN307-3604	923604	ZNSE	1.5"	.315"	40MCC-50%	
CN307-2668	922668	ZNSE	1.5"	.315"	51.6MCC-50%	25MCX
Rear mirrors						
CN307-7970	907970	GE	1.0"	0.236"	15MCC-99.5%	PO/AR
CN307-4511	924511	GE	1.5"	.315"	15MCC-99.5%	PO/AR
CN307-3603	6923603	GE	1.5"	.315"	40MCC-99.5%	PO
CN307-2644	922644	GE	1.5"	.315"	51.6MCC-99.5%	PO/AR

Optics care

Centricut part number	Reference number	Description	Pkg qty
TR300-6452	N/A	CO ₂ Lens paper (50 sheets)	1
TR300-SC20		Cotton swab – 20 piece	1
TR300-1115		Lens cleaning pre-cut cotton –100 piece	1
TR300-1010	AL1010	Dropper, lens cleaning fluid	1
TR300-255	AL255	Loupe, magnifying	1
TR300-271	AL271	Base, lens maintenance	1
TR300-7388	787388	Mirror polish (250 ml)	1

New items shown in bold

Ophir & Centricut by Talas = 100% Kwaliteitsgarantie & 100% OEM compatibiliteitsgarantie.

Talas is exclusief verdeler van o.a. lenzen & spiegels van **Ophir** voor BeLux en nozzles & ceramieken van **Centricut/Hypertherm** waardoor wij zeer competitieve tarieven hebben. Deze fabrikanten zijn tevens ook leverancier van de grootste fabrikanten(OEM) van lasersnijmachines.

Ophir, een CO² Optica groep en tweede grootste leverancier in de wereld is producent van het volledige gamma optieken voor de OEM en de vervangingsmarkt.

Ophir fabriceert lenzen met verschillende coatings voor een lagere absorptie en voor een langere levensduur:

-**Duralens**: max. absorptie $\leq 0,2\%$; standaard gele lens.

-**Black Magic**: max. absorptie $< 0,15\%$; niet transparante, niet-radioactieve harde coating voor een stabielere focuspunt en hogere warmte geleiding, vochtbestendige coating.

-**Clear Magic**: max. absorptie $< 0,13\%$; transparante, harde coating voor de beste focus stabiliteit en hoogste warmtebestendigheid, PMS-compatibel, vochtbestendige coating.

Centricut/Hypertherm nozzles in een kopertellurium legering, vervaardigd op CNC met diamanten werktuigen, gegarandeerd braamloze bewerking, optimale warmteweerstand, constante geleiding, verspanende tolerantie en concentriciteit $< 0,01\text{mm}$, zeer fijn afgewerkt binnenoppervlak voor een goede doorstroming van het gas en buitenafwerking tegen de hechting van de gesmolten materie, verchromde nozzles vermijden hechting van de gesmolten materie, dubbele nozzles voor een betere kwaliteit en hogere snijnelheid voor staal vanaf 8mm, lasermarkering van de diameter.

Ophir & Centricut by Talas = garantie à 100% de qualité et 100% de garantie compatibilité OEM

Talas est le distributeur exclusif de e.a. les lentilles et les miroirs de **Ophir** pour le BeLux et des buses & des céramiques de **Centricut/Hypertherm**. De ce fait nous avons des tarifs très compétitifs. Ces fabricants sont aussi fournisseurs des plus grands fabricants (OEM) des machines de découpe au laser.

Ophir, un groupe d'optique CO² et deuxième fournisseur en importance dans le monde, produit la gamme complète d'optiques pour l'OEM et le marché de pièces de rechange. Ophir fabrique des lentilles avec des revêtements différents pour un taux d'absorption inférieur et une durée de vie plus longue:

-**Duralens**: absorption maximale $\leq 0,2\%$, lentille standard jaune

-**Black Magic**: absorption maximale $< 0,15\%$, non transparent, revêtement dur non radioactifs pour un point focal plus stable et une conductivité thermique plus élevée, revêtement résistant à l'humidité

-**Clear Magic**: absorption maximale $< 0,13\%$, revêtement dur transparent pour la meilleure stabilité du point focal et la meilleure résistance à la chaleur, le revêtement PMS-conforme et résistant à l'humidité

Centricut/Hypertherm: buses dans un alliage cuivre-tellurium usinés avec outils diamant sur tours à CN, usinage garanti sans bavures, excellente résistance thermique, conductivité constante, tolérances d'usinage et de concentricité $< 0,01\text{ mm}$, la surface intérieure finement travaillée pour une bonne fluidité du gaz et une finition extérieure lisse contre l'accrochage de la matière en fusion, buses chromées évitant l'accrochage de la matière en fusion, double buses pour une meilleure qualité et plus grande vitesse de coupe de l'acier de 8 mm, marquage au laser du diamètre.

Type of nozzle & Reasons for selecting

Adapter This means that it is possible to use a different type of nozzle as long as the nozzle adaptor is purchased. It adapts from a big nozzle to a smaller nozzle and this can save the end-user money in the long run.

CP (chrome plated) CP nozzles are plated with chrome for increased durability. Chrome plated nozzles are much easier to clean and can withstand contact with material better than non-plated nozzles.

Conical This refers to the internal geometry of the nozzle. Due to the internal geometry the gas swirls and spirals down towards the material causing a coaxial flow, this flow prevents plugging of the orifice.

Cylindrical This refers to the internal geometry of the nozzle. Mainly used for gauge steel to 6,4 mm low pressure oxygen cutting.

Double Just as it sounds, this is a nozzle within a nozzle. Sometimes referred to as a "jacketed nozzle". Double nozzles are better for cutting thicker materials. "Better" refers to cut quality more than speed. Double nozzles have a high aspect ratio at the exit helping protect lens from back spatter.

Double with holes or double nozzle insert Used with the outer nozzle; the double nozzle insert inserts into the outer nozzle to form a double.

Double hard This is a double nozzle with the hard chrome plating (this type of chrome plating is only available in North America).

Hard Hard chrome plating (only available in North America), is harder than standard chrome therefore it is more durable.

Hex Hex refers to the machined edge of the nozzle, with the hex machined in it makes it possible to get an open end wrench on the nozzle for tightening and loosening.

High pressure (HP) High density (HD) Used in applications where the gas pressures are really high, used on thicker material and stainless steel and aluminium.

Low pressure Used for low pressure oxygen cutting applications such as gauge material up to 3,2 mm.

Nozzle holder The nozzle holder sometimes also known as the ceramic is the mating partner for the nozzle; the two are combined by threading the nozzle into the holder.

Nozzle, long Refers to the length of the nozzle.

Nozzle, short Refers to the length of the nozzle.

Nozzle, w/step This refers to the internal geometry of the nozzle. Mainly used in higher pressure cutting.

Outer nozzle See double nozzle. This is the mating partner of the double nozzle insert, the two combined make a double nozzle.

Shower Used to cut thick mild steel ($> 6,4\text{ mm}$) w/O₂ assist gas. Shower nozzles have a center nozzle orifice, surrounded by several other holes. This design ensures more effective assist gas volume, without significantly increasing real volume.

Straight taper This refers to the internal geometry of the nozzle, mainly used in higher pressure cutting.

WACS Water-assist cutting system.



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