



CO₂ laser consumables – Cincinnati®



Hypertherm®

Highest quality products

- OEM quality
- OEM-approved optics
- 100% satisfaction guarantee

Technical service

OEM-trained technicians on staff with over 25 years of experience.

Free application support for all laser OEMs.

We stand behind our products with industry-leading technical expertise.

Chemical code key

Lens

PFL	Pre-focus
MEN	Meniscus
PLX	Plano-convex
MTD	Mounted
Not MTD	Not mounted
LA	Low absorption
PO	Plano

Mirrors

CU	Copper
GAAS	Gallium arsenide
SI	Silicon
GE	Germanium
ZNSE	Zinc-selenide
PS	Phase shift
MMR	Maximum metal reflector
ATFR	Absorbing thin film reflector
TRZ	Total reflector – zero phase shift
ZPS	Zero phase shift
OC	Output coupler
RM	Rear mirror
COL-I	Collimator input
COL-O	Collimator output
AO	Adaptive optic
MO	Molybdenum
UC	Uncoated
MCX	Convex
MCC	Concave

Measurements

DIA	Diameter
FL	Focal length
ET	Edge thickness

Nozzles

CP	Chrome plated
HD/HP	High density/high pressure

Product is available for the following major OEM brands

Amada®

Behrens®

Bystronic®

Cincinnati®

Finn-Power®

GHT-SHT®

Haas®

Haco®

Hankwang®

Laserdyne®

Laser Lab®

LVD®

Mazak®

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Murata Wiedemann® – Fanuc®

Niigata®

NTC® – Beyeler®

Precitec®

Prima Industrie®

Raskin®

Rouchaud®

Salvagnini®

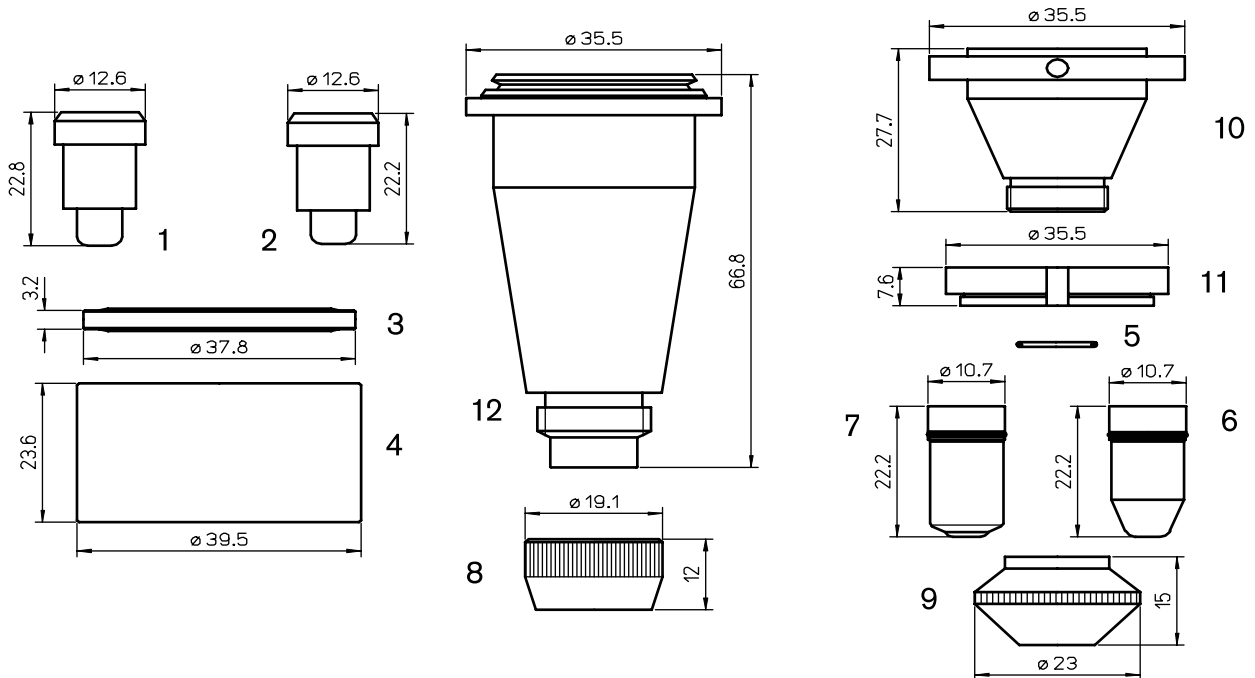
Strippit®

Tanaka®

Thyssen®

Trumpf®

Valfiv®



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	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
	CN306-0315	910315	L225	Nozzle – 2.0 mm (0.080")	1
6	CN306-3789	924638	L713	Nozzle – 2.5 mm (0.100")	1
	CN306-4634	924634	L714	Nozzle – 3.0 mm (0.120")	1
	CN306-5127	925127	L938	Nozzle – 3.2 mm (0.125")	1
	CN306-2815	912815	L724	Nozzle – 4.0 mm (0.160")	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
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)		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
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
	CN306-9664	909664, 56161		O-ring	1

New items shown in bold

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Consumables

Centricut part number	Reference number	Alternate reference	Description	Pkg qty
CN306-0654A	909654, 922686		Sensor cable – armored 4.5	1
CN306-0951A	842951		Sensor cable – armored 5.5	1
CN306-9654	909654, 922686		Sensor cable 4.5	1
CN306-2951	842951, PLTTW0015		Sensor cable 5.5	1

Optics

Centricut part number	Reference number	Type	Diameter	Focal length	Edge thickness
Lenses					
CN307-7557		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"
CN307-2722	922722	PLX	2.0"	4M	.236"
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		PLX	2.0"	10.0"WD	.380"
Ultra low absorption lenses					
CN307-8085MP5	908085	PLX	1.5"	5.0"WD	.280"
CN307-9484MP5	909484	PLX	1.5"	7.5"WD	.280"
CN307-2377MP5	922377	PLX	2.0"	5.0"	.380"
CN307-0211MP5		PLX	2.0"	5.0"WD	.380"
CN307-2376MP5	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"	
CN307-5587	335587	SI	2.0"	.200"	
CN307-5214		CU	1.969"	.375"	
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		TRZ	CU	1.96"	1.0"	
CN307-3849	233849	TRZ	CU	1.96"	.375"	
CN307-1793		TRZ	CU	1.5"	.236"	
CN307-2645	922645	MMR	SI	2.0"	.200"	PLANO
CN307-9772	909772	TRZ	CU	2.0"	2.126"	PLANO WC
CN307-2992		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
CN307-3010	923010	TRZ	CU	3.0"	.500"	
CN307-0341	910341	ZPS	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		ZNSE	1.5"	.315"	40MCC-50%	
CN307-2668	922668	ZNSE	1.5"	.315"	51.6MCC-50%	25MCX

Centricut part number	Reference number	Material	Diameter	Edge thickness	S1/Reflectivity	S2
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		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



Broadest product line in the industry!



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