

**Hypertherm®**



***Centricut CO<sub>2</sub> laser consumables  
for Cincinnati®***

**Chemical code key**
**Lens**

PFL	Pre-focus
MEN	Meniscus
PLX	Plano-convex
MTD	Mounted
Not MTD	Not mounted
MP5	Low absorption

**Mirrors**

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
UC	Uncoated
MCX	Convex
MCC	Concave

**Measurements**

DIA	Diameter
FL	Focal length
ET	Edge thickness

**Product is available for the following major OEM brands**


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Amada®

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Behrens®

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Bystronic®

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Cincinnati®

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Finn-Power®

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GHT-SHT®

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Haas®

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Haco® – Technology Italiana®

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Hankwang®

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Lasergyne®

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Laser Lab®

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LVD®

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Mazak®

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Niigata®

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NTC® – Beyeler®

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Precitec®

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Prima Industrie®

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Thyssen®

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Trumpf®

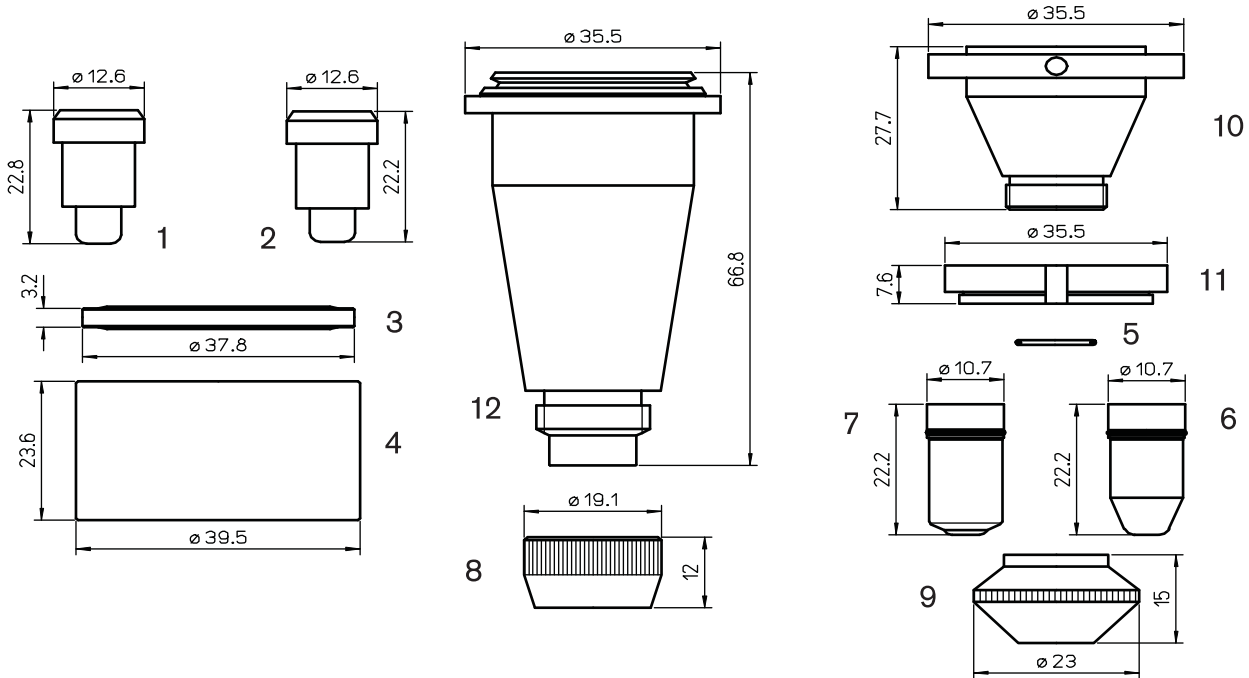
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**Technical service**

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.



**Consumables**

Centricut part number	Reference number	Alternate reference	Description	Pkg qty	
1	CN305-8090	908090	L220	Elongated tip – 1.5 mm	1
	CN305-7469	907469	L221	Standard tip – .040 contact	1
2	CN305-7470	907470	L222	Standard tip – .060 contact	1
	CN305-0006	920006	L223	Standard tip – .080 contact	1
3	CN305-0000	907472	AL92	Seal – Teflon <sup>®</sup>	1
	CN305-7677	907677	AL71/S	Nozzle holder – contact	1
4	CN305-7472		AL71	Nozzle holder – contact w/gasket	1
5	CN306-9680	909680	AL95	Nozzle o-ring 10 pack	1
	CN306-9660-01	924635	L712	Nozzle – 1.0 mm	1
	CN306-0012		L961	Nozzle – 1.2 mm blunt	1
	CN306-0013		L962	Nozzle – 1.3 mm blunt	1
	CN306-0014		L963	Nozzle – 1.4 mm blunt	1
	CN306-9660	909660	L224	Nozzle – 1.5 mm (0.062") blunt	1
6	CN306-0315	910315	L225	Nozzle – 2.0 mm (0.080")	1
	CN306-3789	924638	L713	Nozzle – 2.5 mm (0.100") blunt	1
	CN306-4634	924634	L714	Nozzle – 3.0 mm (0.120") blunt	1
	CN306-3013	923013	L433	Nozzle – 1.0 mm shower blunt	1
	CN306-3014	923014	L434	Nozzle – 1.5 mm shower blunt	1
	CN306-0020		L435	Nozzle – 2.0 mm shower blunt	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
8	CN306-9659	909659	AL48	Tip lock nut (non-contact)	1
9	CN306-3021	963021	AL135	Tip retainer nut (tapered)	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

**Optics**

Centricut part number	Reference number	Type	Diameter	Focal length	Edge thickness	
<b>Lenses</b>						
CN307-8085	908085	PLX	1.5"	5.0"WD	.280"	
CN307-9484	909484	PLX	1.5"	7.5"WD	.280"	
CN307-2722	922722	PFL	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"	
<b>Ultra low absorption lenses</b>						
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"	
CN307-2376MP5	922376	PLX	2.0"	7.5"	.380"	
Centricut part number	Reference number	Type	Diameter	Edge thickness	S1	
<b>Collimating optics</b>						
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	
<b>Phase shift mirrors</b>						
CN307-9975	909975	Copper	2.25"	.390"		
CN307-2768	922768	Copper	2.25"	1.25"	WC	
CN307-2515	922515	Copper	2.5"	.390"		
CN307-8237	498237	SI	1.5"	.160"		
CN307-5587	335587	SI	2.0"	.200"		
Centricut part number	Reference number	Material	Diameter	Edge thickness	Reflectivity	
<b>Absorbing thin film reflectors (ATFR)</b>						
CN307-3414	923414	Copper	2.0"	.375"	99.50%	
Centricut part number	Reference number	Type	Material	Diameter	Edge thickness	S1
<b>Zero phase shift mirrors and total reflectors</b>						
CN307-2645	922645	MMR	SI	2.0"	.200"	PLANO
CN307-9772	909772	TRZ	Copper	2.0"	2.12"	PLANO WC
CN307-9976	909976	ZPS	Copper	2.25"	.390"	
CN307-2769	922769	ZPS	Copper	2.25"	1.25"	WC
CN307-3010	923010	TRZ	Copper	3.0"	.500"	
CN307-0341	910341	ZPS	Copper	3.0"	.500"	
CN307-2992	222992	TRZ	SI	2.0"	.200"	45°
CN307-1793		TRZ	Copper	1.5"	.236"	

**Optics**

Centricut part number	Reference number	Material	Diameter	Edge thickness	S1	S2
<b>Output couplers</b>						
CN307-7969	907969	ZNSE	1.0"	.236"	30MCC-65%	30MCX
CN307-4510	924510	ZNSE	1.5"	.315"	15MCC-40%	
CN307-2668	922668	ZNSE	1.5"	.315"	51.6MCC-50%	25MCX
CN307-3604	923604	ZNSE	1.5"	.315"	40MCC-50%	
<b>Rear mirrors</b>						
CN307-7970	907970	GE	1.0"	.236"	15MCC-99.5%	PO/AR
CN307-4511	924511	GE	1.5"	.315"	15MCC-99.5%	PO/AR
CN307-2644	922644	GE	1.5"	.315"	51.6MCC-99.5%	PO/AR
CN307-3603	937737	GE	1.5"	.315"	40MCC-99.5%	PO/AR

**Optics care**

Centricut part number	Reference number	Description	Pkg qty
TR300-6452	N/A	CO <sub>2</sub> Lens paper (50 sheets)	1



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