

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA1200/C

LASER SYSTEMS: T.L.T. 1200, 1400 – 15 Watts TEM₀₀

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for processing diamonds

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK512	O-Ring Kit
2	GC512	Gold Cavity Assembly, Complete
3	BA512	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA512	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA1200	Head Block Assembly, Complete, TEM ₀₀ (Less Carriage)
6	CHBA1200/C	Complete Head Block Assembly, TEM ₀₀

Part No: CHBAI200/C

LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HBW510	Head Bolt Washer, Nylon
2	HB510	Head Bolt, Stainless Steel
3	FIN512	Heat Sink, Aluminium
4	UHB512	Upper Head Block
5	LFT512	Lamp and Rod Flow Tube
6	CLA500	Carriage Locking Assembly
7	LC510	Lamp Clip, Gold Plated
8	LTB510	Lamp Terminal Block
9	ORK512	O-Ring, Silicone (Included in Kit)
10	LHB512	Lower Head Block
11	LHC512	Head Carriage
12	WF016	Water Fitting, Head Block & Q-Switch
13	ORK512	O-Ring, Silicone (Included in Kit)
14	WF013	Water Fitting, 3/4 – 1/6 × 5/8” Stainless Steel
15	YR512	YAG Rod, 4 mm Dia, Unmounted, TEM ₀₀
16	SNY632	Nylon Screw, 6–32 × 1/4”
17	HVP510	High Voltage Pin
18	HVI510	High Voltage Insulator (2 pces)
19	ORK512	O-Ring, Silicone (Included in Kit)
20	RFT512C	Rod Flow Tube, Doped
21	RG510	Rod Guide
22	REC510	Rod End Cap
23	ORK512	O-Ring, Silicone (Included in Kit)
24	DB510	Dust Boot
25	YRA512	YAG Rod Assembly, Mounted, TEM ₀₀
26	LSP510	Lower Light Shield, Stainless Steel
27	LL601S	Krypton Arc Lamp (20 Amps 145–155 V)
28	USP510	Upper Light Shield, Stainless Steel
29	CEP510	Cavity End Plate, Gold Plated
30	GCE512	Cavity Ellipse, Gold Plated

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 30 Amp	LL601S
2	Lamp 30 Amp Long Life	LL601LL
3	Lamp Flow Tube	LFT512
4	Rod Flow Tube, Doped	RFT512C
5	Lamp Clip, Gold	LC510
6	Front Mirror, 80% R	MR3M80RHC
7	Rear Mirror, HR	MR3M100RHC

Other consumables upon request.

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