

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA510/C

LASER SYSTEMS: Holobeam 255, Control 510, 511, ESI 25, 44, Teradyne W311, Chicago Laser CLS510, Laser Applications, Quantrad, JEC, 30W Multimode, 7W TEM₀₀

DESCRIPTION: Single-Lamp Pumped Solid-State Laser Chamber used for laser trimming & marking applications

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK510	O-Ring Kit
2	GC510	Gold Cavity Assembly, Complete
3	BA510	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA510	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA510	Head Block Assembly, Complete (Less Carriage)
6	CHBA510/C	Complete Head Block Assembly

LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HBW510	Head Bolt Washer, Nylon
2	HB510	Head Bolt, Stainless Steel
3	FIN510	Heat Sink, Aluminium
4	UHB510	Upper Head Block
5	LFT510	Lamp and Rod Flow Tube
6	CLA500	Carriage Locking Assembly
7	LC510	Lamp Clip, Gold Plated
8	LTB510	Lamp Terminal Block
9	ORK510	O-Ring, Silicone (Included in Kit)
10	LHB510	Lower Head Block
11	LHC510	Head Carriage
12	WF016	Water Fitting, Head Block & Q-Switch
13	ORK510	O-Ring (Included in Kit)
14	WF013	Water Fitting, 3/4 – 16 × 5/8", Stainless Steel
15	YR510	YAG Rod, 4 mm Dia, Unmounted
16	SNY632	Nylon Screw, 6-32 × 1/41,
17	HVP510	High Voltage Pin
18	HVI510	High Voltage Insulator (2 pces)
19	ORK510	O-Ring, Silicone (included in Kit)
21	RG510	Rod Guide
22	REC510	Rod End Cap
23	ORK510	O-Ring, Silicone (Included in Kit)
24	DB510	Dust Boot
25	YRA510	YAG Rod Assembly, Mounted
26	LSP510	Lower Light Shield, Stainless Steel
27	LL510S	Krypton Arc Lamp, 20 Amps
28	USP510	Upper Light Shield, Stainless
29	CEP510	Cavity End Plate, Gold Plated
30	GCE510	Cavity Ellipse, Gold Plated

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 20 Amp	LL510S
2	Lamp & Rod Flow Tube	LFT510
3	Front Mirror 90% R	MR3M90RHC
4	Rear Mirror HR	MR3M100RHC
5	D.I. Cartridge	D8822
6	Particle Filter	PF10
7	Lamp Clip, Gold	LC510

Other consumables upon request.

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