

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA258/C, CHBA520/C

LASER SYSTEMS: Holobeam 258, Control 520, H-518, Blazer, ESI 44, Chicago Laser CLS37, Laser Applications, Quantrad, JEC

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

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK258	O-Ring Kit, 3 mm Rod
2	GC258	Gold Cavity Assembly, Complete
3	BA258	Head Block Assembly (Less Cavity, YAG Rod, Lamp & Carriage)
4	HBA258	Head Block Assembly (Less YAG Rod, Lamp & Carriage)
5	CHBA258	Head Block Assembly, Complete (Less Carriage)
6	CHBA258/C	Complete Head Block Assembly, 3 mm Rod, TEM ₀₀
7	CHBA520	Head Block Assembly, Complete (Less Carriage)
8	CHBA520/C	Complete Head Block Assembly, 4 mm Rod, Multimode

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	HB510	Head Bolt, Stainless Steel
2	HBW510	Head Bolt Washer, Nylon
3	GCE258	Cavity Ellipse, Gold Plated
4	RFT258	Rod Flow Tube, Pyrex
5	LFT258X	Lamp Flow Tube
6	LL520S	Krypton Arc Lamp, 40 Amps, 110–122 V
7	CEP258R	Cavity End Plate, Right, Gold Plated
8	TLS258R	Teflon Light Shield, Right
9	TLS258L	Teflon Light Shield, Left
11	ORT3MM	O-Ring, 3 mm, Teflon (Included in Kit)
12	YR258	YAG Rod Crystal Only, 3 mm Rod TEM ₀₀
13	YR479	YAG Rod Crystal Only, 4 mm Rod Multimode
14	YRA258	YAG Rod Assembly, Mounted, TEM ₀₀
15	YRA520	YAG Rod Assembly, 4 mm Rod, Multimode
16	RG258	Rod Guide For 3 mm Rod
17	RG520	Rod Guide For 4 mm Rod
18	REC510	Rod End Cap
19	DB510	Dust Boot
20	WF021	Water Fitting, Head Block & Q-Switch
21	WF012	Water Fitting Stainless Steel 3/4 – 16 × 1/2"
22	LHB258	Lower Head Block
23	HVP258	Hight Voltage Pin
24	LTB258	Lamp Terminal Block
25	LC258	Lamp Clip, Gold Plated
26	CEP258L	Cavity End Plate, Left, Gold Plated
27	UHB258	Upper Head Block
28	FIN258	Heat Sink, Aluminium
29	ORK258	O-Ring, Silicone (Included in Kit)
30	ORK258	O-Ring, Silicone (Included in Kit)
31	CC258	Cable Cap
32	LHC258	Head Carriage
33	ORK258	O-Ring, Silicone (Included in Kit)
34	ORK258	O-Ring, Teflon (Included in Kit)
35	CLA500	Carriage Locking Assembly
36	LL4522S	Krypton Arc Lamp (Extended Arc Length) 40 Amps
37	ORK258	O-Ring, Silicone (Included in Kit)
38	ORT4MM	O-Ring, 4 mm, Teflon (included in Kit)
39	RFT258C	Rod Flow Tube, Doped

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	Lamp, 40 Amp 110–122 V	LL520S
2	Lamp Flow Tube	LFT258X
3	Front Mirror 80% R	MR3M80RHC
4	Rear Mirror HR	MR3M100RHC

Other consumables upon request

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