

LLAMBRICH USA

Super Precision Drill Chucks

INOX



micro DRILL



HYBRID



HEXA BLACK



NEWS 2010

LLAMBRICH USA
Super Precision Drill Chucks

Llambrich Innovates - for over 50 years our company continues being the world leader in innovation and technical improvement of the products we manufacture.

Our aim is to offer the highest quality product at a competitive price for the ever challenging world market that we serve. This way of thinking has led to the birth of new ranges of products : Precision Drill Chucks and Accessories with the Llambrich quality assurance that you have always been able to count on.

New solutions offered first by the worlds leader of drill chucks from Barcelona Spain, Llambrich.

NEWS **2010**

micro DRILL

page 4

Chucks & Adapters - Ideal for micro hole drilling. Very accurate and sensitive for precise drilling.

HYBRID

page 5

THE HYBRID - This unique, patent pending, innovative design drill chuck has the features and benefits of both the keyed and keyless drill chucks.

INOX

page 6

The most complete Stainless Drill Chuck Program, available in Keyed, Keyless and also in Hybrid model types. For use in the medical, dental, and food industries.

HEXA **BLACK**

page 7

Standard drill chuck with integrated shank and hexagonal key lock. Great quality at a fair price.

LLAMBRICHUSA
Super Precision Drill Chucks

**Without notice, LLAMBRICH® Manufacturing Company reserve the right to change the design, material composition and dimensional specifications for all products offered in this catalog.*

micro DRILL

Chucks & Adapters - Ideal for micro hole drilling. Very accurate and sensitive for precise drilling

MICRO DRILL CHUCKS AND ADAPTERS

- Ideal for micro hole drilling
- From .008" (2 mm) to .156" (4 mm), with the combination of a micro drill chuck (3 types available) and a Sensitive Drill Feed (2 types available).

Advantages

- Precision ± .0016" (.04 mm)
- Very accurate and sensitive for precise drilling
- Longer tool life and less occurrence of catastrophic tool failure.
- To be used in mills, lathes, drill presses, jigbore and Swiss machines.
- Eliminates the need of secondary operations to drill small holes
- Spindle speeds up to 50,000 RPM (SP-1.5)
- All micro drill chucks available upon request with thru hole for EDM machines
- Micro Drill Chucks and Adapters can be supplied separately, or as part of a KIT (up to 6 combinations are available).

Simple to use

- Feed with gentle finger pressure
 - Free turning knurled ring
 - Spring return upon release
 - 3/4" total travel
- Standard 1/2" straight shank or #1 morse taper to go directly into the spindle of your machine or it can be held with a rotary toolholder or drill chuck



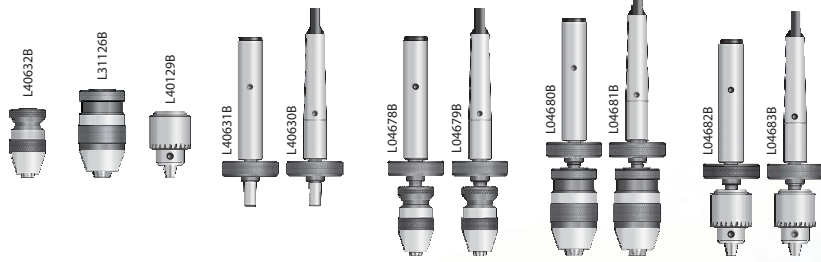
EDP	Model No.	Capacity		Mount	Key	Sizes inches		Weights (lbs.)
		mm.	inches			Ø	L1 L2	
L40632B	JKP-15 J-0	0.2-1.5	.008"-1/16"	J0	--	0.76	1.39 1.48	0.11
L311268	JKP-30 J-0	0.3-3	1/64"-1/8"	J0	--	0.97	1.73 1.87	0.44
L401298	CY-04 J-0	0.5-4	1/64"+5/32"	J0	K0	0.87	1.10 1.38	0.11

Sensitive Drill Adapters

EDP	Model No.	Shank	Mount	Weights (lbs.)
L406308	EL-MTI/JT0	1 Morse Taper	J0	0.21
L406318	ECIL-13/JT0	Ø 1/2"	J0	0.22

Drill Chucks and Adapter KITS

EDP	KIT No.	Model	Sensitive Drill Feed	Weights (lbs.)
L046788	KIT #1	JKP-15 J-0	ECIL-13/JT0	0.33
L046798	KIT #2	JKP-15 J-0	EL-MTI/JT0	0.32
L046808	KIT #3	JKP-30 J-0	ECIL-13/JT0	0.66
L046818	KIT #4	JKP-30 J-0	EL-MTI/JT0	0.65
L046828	KIT #5	CY-04 J-0	ECIL-13/JT0	0.33
L046838	KIT #6	CY-04 J-0	EL-MTI/JT0	0.32



METALWORKING

AEROSPACE

ELECTRONICS

WATCH AND JEWELRY

MEDICAL INDUSTRY

HOBBY INDUSTRY

JOB SHOPS

HYBRID

THE HYBRID - This unique, patent pending, innovative design drill chuck has the features and benefits of both the keyed and keyless drill chucks.

Features & Benefits

Another solution offered first by the worlds leader of drill chucks from Barcelona Spain, Llambrich.

Specially developed for the USA market, with the most demanding features and benefits of both the keyed and keyless drill chucks.

Self-tightening feature automatically increases gripping force in proportion to the increase of torque to prevent tool slippage.

The Hybrid is furnished with a key to allow additional gripping torque.
This also permits clockwise and counterclockwise rotation of the tool.
The tool better resists loosening on high speed machines that have instant spindle stop.
.0016" repeatability on taper mounted chucks. Llambrich, the leader in precision.
Special designs, sizes, and mounts for all types of applications are available upon request.

Applications
Specifically designed for high precision drilling.
The Hybrid series are well suited for use on drill presses with high accuracy; jigbore machines, horizontal or vertical milling machines, and production drilling machines where the application requires higher feed rates.

EDP	Model No.	Capacity		Mount	Key	Sizes Inches			Weights (lbs.)	
		mm.	inches			d1	d2	L1		L2
L40664B	SPH-65 J-1	0.3-6.5	1/64"-1/4"	J1	CK4	1.30	1.57	2.44	2.76	0.79
L40665B	SPH-80 J-2S	0.3-8	1/64"-5/16"	J2S	CK4	1.50	1.80	2.64	2.91	1.01
L40666B	SPH-100 J-2	0.8-10	1/32"-3/8"	J2	K2	1.69	2.00	3.19	3.50	1.59
L40667B	SPH-100 J-33	0.8-10	1/32"-3/8"	J33	K2	1.69	2.00	3.19	3.50	1.59
L40668B	SPH-130 J-2	0.8-13	1/32" - 1/2"	J2	K3	1.93	2.22	3.58	4.06	2.43
L40669B	SPH-130 J-33	0.8-13	1/32" - 1/2"	J33	K3	1.93	2.22	3.58	4.06	2.43
L40670B	SPH-130 J-6	0.8-13	1/32" - 1/2"	J6	K3	1.93	2.22	3.58	4.06	2.43
L40671B	SPH-160 J-6	3-16	1/8" - 5/8"	J6	K4	2.17	2.39	3.74	4.21	2.98



INOX

The most complete Stainless Drill Chuck Program, available in Keyed, Keyless and also in Hybrid model types. For use in the medical, dental, and food industries

STAINLESS STEEL DRILL CHUCKS

Features & Benefits

- Available in Keyed or Keyless model types.
- Manufactured from Stainless Steel to withstand chemical corrosion.
- Identified with special laser markings to hold up to the autoclave process.
- FGE (Keyless chucks have milled instead of knurled grip areas to ensure non slip hand tightening free of sharp edges. Excellent choice for use when operating with rubber gloves.
- All FGE and GE drill chuck models are bead blasted with glass balls and have passivation by a electro-polishing technique. This adds additional protection against all types of corrosion, eliminates undesirable residual contaminants, and improves the finish of the surface profile.
- For the insertion of nails, screws, pins, and other medical fasteners all chucks come with a through hole.
- Special designs, sizes, and mounts for all types of applications are available upon request.

For use medical, dental and food industries

KEYLESS EDP	Model No.	Capacity		Mount	Key	Sizes inches			Weights (lbs.)
		mm.	inches			Ø	L1	L2	
L40000B	JKP-30 R-3/8 S	0.3-3	1/64"-1/8"	3/8"x24	-	0.96	1.73	1.87	0.44
L40001B	JKP-65 R-3/8 SS	0.3-6.5	1/64"-1/4"	3/8"x24	-	1.3	2.44	2.76	0.79
L40672B	JKP-30 R-3/8 FGE	0.3-3	1/64"-1/8"	3/8"x24	-	1.05	1.75	1.90	0.28
L40673B	JKP-65 R-3/8 FGE	0.3-6.5	1/64"-1/4"	3/8"x24	-	1.35	2.46	2.74	0.63

KEYED EDP	Model No.	mm.		K	Key	inches			Ø	L1	L2	(lbs.)
		mm.	inches			Ø	L1	L2				
L40205B	CSS-04 R-3/8	0.5-4	1/64"-5/32"	3/8"x24	K0 S5	0.87	1.19	1.48	0.17			
L40206B	CSS-06 R-3/8	0.5-6.5	1/64"-1/4"	3/8"x24	CK3 S5	1.16	1.59	1.83	0.43			
L40207B	CSS-10 R-3/8	1-10	1/32"-3/8"	3/8"x24	CK4 S5	1.46	2.01	2.48	0.68			
L40674B	CSS-04 R-3/8 GE	0.5-4	1/64"-5/32"	3/8"x24	K0 S5	0.87	1.19	1.48	0.17			
L40675B	CSS-06 R-3/8 GE	0.5-6.5	1/64"-1/4"	3/8"x24	CK3 S5	1.16	1.59	1.83	0.43			

THE HYBRID EDP	Model No.	mm.		K	Key	inches			Ø	L1	L2	(lbs.)
		mm.	inches			Ø	L1	L2				
L40676B	SPH-30 R-3/8 FGE	0.3-3	1/64"-1/8"	3/8"x24	CK3 S5	1.05	1.85	2.0	10.51			
L40677B	SPH-65 R-3/8 FGE	0.3-6.5	1/64"-1/4"	3/8"x24	CK4 S5	1.35	2.44	2.76	0.84			

THE HYBRID
A unique drill chuck developed by Lambrich combining features & benefits of both keyed and keyless chucks. Patent Pending.

Self-tightening feature automatically increases gripping force in proportion to increased torque to prevent tool slippage.

The Hybrid is furnished with a key to allow supplementary gripping torque, or permit clockwise and counterclockwise rotation of the tool.



HEXA BLACK

Standard drill chuck with integrated shank and hexagonal key/lock. Great quality at a fair price.

- ✓ For use on CNC machines, for drilling, milling, reaming and tapping.
- ✓ Hexagonal key lock system.
- ✓ Permits clockwise and counterclockwise rotating.
- ✓ High gripping torque, exceeding 100 Nm. = 75 ft/lbs
- ✓ Maximum total integrated run-out of 0.05 mm. = .0019"
- ✓ Maximum revolutions per minute without balancing: 8000.



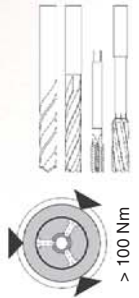
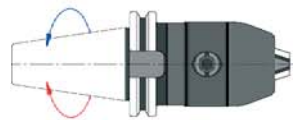
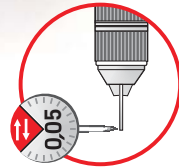
CAT

EDP	Model No.	Capacity		Shank Type	Coolant	Sizes Inches			Weights (lbs.)
		mm.	inches			Ø	L1	L2	
L406608	HB-13 CA-40	08-13	1/32"-1/2"	40	None	2.09	4.17	4.53	4.81
L40661B	HB-16 CA-40	3-16	1/8"-5/8"	40	None	2.24	4.29	4.57	5.07



BT

EDP	Model No.	Capacity		Shank Type	Coolant	Sizes Inches			Weights (lbs.)
		mm.	inches			Ø	L1	L2	
L40662B	HB-13 BT-40	08-13	1/32"-1/2"	40	None	2.09	3.78	4.13	4.50
L40663B	HB-16 BT-40	3-16	1/8"-5/8"	40	None	2.24	3.90	4.17	4.89



LLAMBRICH USA

Super Precision Drill Chucks

Warehouse & Service Center

5 HARRISON AVENUE

MOUNT VERNON, OHIO 43050

PHONE: (740) 392-1549 FAX: (740) 392-0230

www.llambrichusa.com sales@llambrichusa.com

LLAMBRICH
Portabrocas de Super Precisión

LLAMBRICH Precisión, S.A.
Avda. Ntra. Sra. de Bellvitge, 271-273
E-08907 L'Hospitalet de Llobregat
Barcelona - Spain

Tel. int. +34 93 264 96 23
Fax int. +34 93 263 40 10
www.llambrich.com
e-mail: export@llambrich.com