

1-800-GRAINGER (472-4643)



**Ball Bearing
4LHL2**

**Plain Bearing
3M312**

**Stainless Steel
2DZH9**



Ball and Plain Bearing Drill Chucks

Chuck jaws are center ground for absolute straightness and alignment. Through-hardened sleeve teeth and hardened chuck nose provide superior wear resistance.

Ball Bearing—Engineered for heavy-duty, close tolerance production drilling. Designed to work with a wide range of production drilling equipment, jig borers, milling machines, lathes, and radials. Ball thrust bearings reduce friction and increase grip torque and overall performance.

Plain Bearing—Lambrich USA chucks feature 1-pc. gearing and sleeve to reduce the possibility of broken teeth. Ideal for stationary drilling, turning, milling, and wood working machines. Designed for medium-duty industrial use. Use threaded mounts for hand-held drilling, and tapered mounts for stationary drilling machines. Jacobs chucks were designed for heavy- and medium-duty applications using portable, bench, or floor-mounted power tools.

Stainless Steel—Designed for applications requiring chemical corrosion resistance and/or where there is a potential for hazardous sparking. 1-pc. sleeve design eliminates cracks between drilling teeth. For use with portable or stationary machine tools.

Capacity Max.	Capacity Min.	Mounting Size	Key No.	JACOBS Item No.	LAMBRICH USA Item No.
Ball					
Heavy-Duty					
0.250"	0.040"	JS2	K30	3L872	—
0.375"	0.040"	JT2	K32	3L874	4LHK6
0.500"	0.040"	JT3	K3	3L876	4LHK8
0.625"	0.125"	JT3	K4	3L878	4LHK9
0.750"	0.125"	JT4	K4	3L880	4LHL1
1.000"	0.380"	JT5	K5	—	4LHL2
Plain					
Medium-Duty					
0.156"	0.0135"	3/16"-24	K0	3M245	4LHP1
0.250"	0.040"	3/8"-24	K1	3M304	4LHP2
	0.040"	JT1	K1	3M301	—
0.375"	0.040"	3/8"-24	K30	3L964	—
	0.040"	3/8"-24	K2	3M308	—
	0.040"	3/8"-24	K34	—	4LHP4
	0.040"	1/2"-20	K30	3L970	4LHP5
0.500"	0.040"	JT1	K30	—	4LHN1
	0.040"	JT2	K2	3M306	4LHL9
	0.040"	JT2	K30	—	4LHN2
	0.080"	3/8"-24	K32	3M400	4LHP7
0.625"	0.080"	1/2"-20	K32	3M453	4LHP6
	0.080"	5/8 in -16	K32	3M502	4LHP8
	0.080"	JT3	K32	3M396	4LHN3
Heavy-Duty					
0.250"	0.040"	3/8"-24	K7	3M344	4LHN4
0.375"	0.040"	1/2"-20	K32	3P036	—
	0.040"	JT2	K3	3L852	4LHL4
0.500"	0.040"	JT3	K3	3L854	4LHL6
	0.040"	JT3	K3C	3L856	—
0.625"	0.040"	JT6	K3	—	4LHL5
	0.125"	5/8 in -16	K3	3M341	4LHN6
	0.125"	JT3	K3	3M312	4LHL3
	0.156"	1/2"-20	K3	3L862	4LHN7
0.800"	0.188"	5/8 in -16	K4	3M526	—
	0.188"	3/4"-16	K4	3M528	—
0.800"	0.188"	JT3	K4	—	4LHL7
Stainless Steel					
0.156"	0.028"	3/16"-24	K0M	2DZJ1	—
	0.028"	JT0	K0M	2DZH9	—
	0.028"	3/8"-24	K1M	2DZJ3	—
0.250"	0.028"	3/8"-24	K1M	2DZJ4	—
	0.028"	3/8"-24	K1M	2DZJ2	—
	0.028"	JT1	K1M	—	—



**Medium-Duty
2YCR8**

**High
Torque
4LHF5**

**High Torque
w/Shank
2YCP3**

**High
Precision
4LHH6**



Keyless Chucks

Designed for high accuracy applications on conventional or CNC equipment.

Medium-Duty—Self-tightening feature automatically increases gripping force proportional to increased torque, preventing tool shank slippage in clockwise rotation. Automatic fitting eases quick tool changes.

High Torque—In addition to the features listed for Medium-Duty Chucks, these models have milled wrench flats and spanner, allowing for supplementary gripping torque. Light tightening increases gripping torque up to 3 times over hand tightening. Right-hand rotation and instant spindle stop make chucks resistant to tool loosening on high-speed machines.

High Torque With Shank—Integrated design keeps arbor and drill chuck together. Compact design minimizes accumulated run-out. Precision tested and certified to 0.0016" (0.04 mm) T.I.R. maximum at maximum capacity. For right-hand rotation applications only.

High Precision—Self-tightening feature automatically increases gripping force proportional to increased torque, preventing tool shank slippage. Automatic fitting eases fast tool changes. Precision tested and certified to 0.0016" (0.04 mm) T.I.R. maximum at maximum capacity.

Capacity Max.	Capacity Min.	Mounting Size	LAMBRICH USA Item No.	JACOBS Item No.
Medium Duty				
0.315"	0"	JT1	4LHD8	—
	0"	JT2	4LHD9	—
	0.031"	3/8"-24	4LHD7	—
0.394"	0"	1/2"-20	4LHE2	—
	0"	JT2	4LHE3	—
	0.031"	3/8"-24	4LHE1	—
0.512"	0.039"	1/2"-20	4LHE4	—
	0.039"	JT2	4LHE7	2YCR7
	0.039"	JT3	4LHE8	2YCR9
0.625"	0.039"	JT6	4LHE9	2YCR8
	0.125"	JT33	4LHE6	—
	0.039"	1/2"-20	4LHE5	—
0.630"	0.118"	5/8 in -16	4LHF1	—
	0.118"	JT6	4LHF2	—
	0.197"	JT3	4LHF3	—
High Torque				
0.255"	0"	JT1	4LHG2	2YCN3
0.315"	0"	JS2	4LHF4	—
0.394"	0"	JT2	4LHG1	—
	0"	JT3	4LHF9	—
0.512"	0.039"	JT2	4LHF5	2YCJ7
	0.039"	JT3	4LHF6	2YCJ8
	0.039"	JT6	4LHF7	2YCJ9
0.630"	0.118"	JT6	4LHF8	2YCK1
High Torque w/Integrated Shank				
0.315"	0"	MT2	4LHG3	—
0.394"	0"	MT2	4LHG4	2YCN8
	0.039"	5/8 in -16	4LHG9	—
	0.039"	MT2	4LHG5	2YCN9
0.512"	0.039"	MT3	4LHG6	2YCP1
	0.039"	MT4	4LHG7	2YCP2
	0.039"	R8	4LHG8	2YCP3
0.630"	0.118"	MT2	4LHH1	—
	0.118"	MT3	4LHH2	2YCP6
	0.118"	MT4	4LHH3	2YCP7
	0.118"	R8	4LHH4	2YCP8
High Precision				
0.118"	0"	3/16"-24	4LHH8	—
	0"	JT0	4LHH6	—
	0"	JT1	4LHH7	—
0.255"	0.012"	JT1	4LHH5	2YCN2
	0.012"	JS2	4LHH9	2YCT7
0.394"	0.020"	JT2	—	3P040
	0.020"	JT3	4LHJ1	3P042
0.512"	0.039"	JT2	4LHJ3	2YCU2
	0.039"	JT3	4LHJ4	—
	0.039"	JT6	4LHJ5	2YCU3
0.630"	0.118"	JT6	4LHJ6	2YCU4

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