

GDL Series CNC Center Water Cooling Electrical Spindles with ATC (Automatic Tool Chang)

Products Highlights

High-end Market Orientation: High Performance, Long Lifetime

High Performance Bearings Made in Germany

Imported Grease for High Speed Bearings

High Speed Automatic Tool Change

CNC Center for Multiple Types of Materials Processing

CE Certificate



Water Cooling



Grease Lubrication



Specifications

Models	Speed (r/min)	Motor					Joint of Nose	Lub.	Cool	Bearings Type	Remark
		Power KW	Torque Nm	Voltage V	Current A	Frequency Hz					
GDL80-20-24Z/1.5	24000	1.5	0.60	220	5.6	400	ISO20	Grease	Cool	2X7005C P4 1X7004C P4	With Sensor
GDL80-20-24Z/1.5	24000	1.5	0.60	220	5.8	800	ISO20	Grease	Cool	2X7005C P4 1X7004C P4	With Sensor
GDL80-20-24Z/2.2		2.2	0.88		7.6						
GDL80-20-30Z/1.5	30000	1.5	0.50	220	5.8	1000	ISO20	Grease	Cool	2XHY6005C P4 1X7005C P4	With Sensor
GDL80-20-30Z/2.2		2.2	0.70		7.6						
GDL100-25-24Z/2.5	24000	2.5	1.00	220	9.20	400	ISO25	Grease	Cool	2X7008C P4 1X7005C P4	With Sensor
					5.50						
GDL110-30-18Z/3.2	18000	3.2	1.70	220	11.5	600	BT30	Grease	Cool	2X7007C P4 1X7005C P4	With Sensor
					6.90						
GDL110-30-24Z/4.5	24000	4.5	1.79	220	15.5	800	BT30	Grease	Cool	2XSM6007C P4 1X7005C P4	With Sensor
					9.20						
GDL120-30-18Z/5.5	18000	5.5	2.65	380	11.0	600	BT30	Grease	Cool	2X7008C P4 2X7006C P4	With Sensor
GDL120-30-24Z/6.5	24000	6.5	2.60	380	13.5	800	BT30	Grease	Cool	2XSM6008C P4 2XSM6006C P4	With Sensor
GDL125-30-18Z/7.5	18000	7.5	3.98	380	16.5	600	BT30	Grease	Cool	2X7008C P4 2X7006C P4	With Sensor
GDL125-40-12Z/7.5	12000	7.5	5.98	380	16.5	600	BT40	Grease	Cool	2X7011C P4 2X7008C P4	With Sensor
GDL150-40-12Z/12	12000	12.0	9.55	380	25.0	400	BT40	Grease	Cool	2X7011C P4 2X7008C P4	With Sensor
GDL110-30-18Z/3.2B	18000	3.2	1.70	220	11.5	600	BT30	Grease	Cool	2XSM6007C P4 1X7005C P4	With Sensor
					6.90						
GDL120-30-18Z/5.5	18000	5.5	2.65	380	11.0	600	BT30	Grease	Cool	2X7008C P4 2X7006C P4	With Sensor
GDL120-30-24Z/6.5	24000	6.5	2.6	380	13.5	800	BT30	Grease	Cool	2XSM6008C P4 2XSM6006C P4	With Sensor
GDL150-40-12Z/7.5	12000	7.5	5.98	380	16.5	400	BT40	Grease	Cool	2X7011C P4 2X7008C P4	With Sensor
GDL150-40-12Z/12	12000	12.0	9.55	380	25.0	400	BT40	Grease	Cool	2X7011C P4 2X7008C P4	With Sensor
GDL170-40-10Z/14	10000	14.0	13.38	380	28.0	334	BT40 with Key	Grease	Cool	2XSM6014C P4 2X7010C P4	With Sensor & Encoder

Note: The above electrical spindle motors' input voltage is $\pm 10\%$ of the rated.

GDL Series CNC Center Water Cooling Electric Spindles with ATC

Mechanical Dimensions

Models	Dimensions(mm)											Weight kg
	ØD	ØD1	ØD2	ØD3	ØD4	L	L1	L2	L3	N-d1	Ød2XL4	
GDL80-20-24Z/1.5	80	48	—	—	—	353	60	125	102	—	—	9
GDL80-20-24Z/1.5	80	48	86	108	—	286.5	60	100	65.5	—	—	8
GDL80-20-24Z/2.2	80	48	86	108	—	286.5	60	100	65.5	—	—	8
GDL80-20-30Z/1.5	80	48	86	108	—	286.5	60	100	65.5	—	—	8
GDL80-20-30Z/2.2	80	48	86	108	—	286.5	60	100	65.5	—	—	8
GDL100-25-24Z/2.5	100	58	78	—	—	393	76	130	110	—	—	18
GDL110-30-18Z/3.2	110	63	90	—	—	398.5	80	132	110	—	—	23
GDL110-30-24Z/4.5	110	63	90	—	—	398.5	80	132	110	—	—	23
GDL120-30-18Z/5.5	120	68	98	—	—	424	86	136	110	—	—	25
GDL120-30-24Z/6.5	120	68	98	—	—	424	86	136	110	—	—	25
GDL125-30-18Z/7.5	125	66	98	—	—	464	88	172	110	—	—	31
GDL125-40-12Z/7.5	125	83	—	—	—	538.5	99	172	110	—	—	35
GDL150-40-12Z/12	150	83	125	—	—	530.5	103	190	120	—	—	49
*GDL110-30-18Z/3.2B	110	63	110	135	152	430.5	125	112	110	6-Ø7.0	Ø11X12	24
*GDL120-30-18Z/5.5	120	68	98	138	158	424	125	136	110	6-Ø9.0	Ø14X12	26
*GDL120-30-24Z/6.5	120	68	98	138	158	424	125	136	110	6-Ø9.0	Ø14X12	26
*GDL150-40-12Z/7.5	150	83	125	165	185	505.5	81	244	120	6-Ø8.5	Ø14X8.5	47
*GDL150-40-12Z/12	150	83	125	165	185	530.5	81	269	120	6-Ø8.5	Ø14X8.5	50
*GDL170-40-10Z/14	170	68	150	185	205	638.5	123	294	122.5	8-Ø8.5	Ø14X8.5	75

* Models with Flange

Mechanical Drawings

