

# Direct-Drive Spindle

## Direct-Drive Spindle for Milling Machine

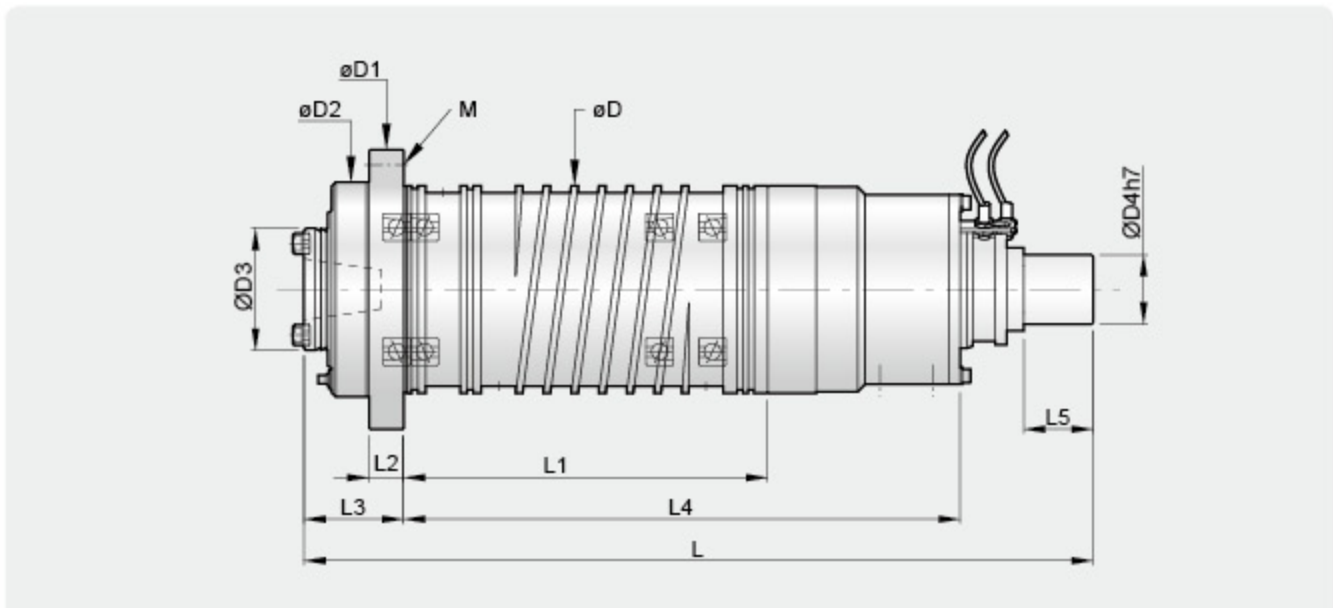


### Specifications of Direct-Drive Spindle for Milling Machine

Model	Speed (rpm)	I.D. of Front Bearing	Front Bearing Type	Rear Bearing Type	Spindle Nose Running Accuracy (250/300mm)	Tool Pulling Force	Lubrication	Dynamic Balance	Temp. Growth
<b>SPINDLE SPECIFICATION : BT 30</b>									
HD34ET	10,000–24,000	ø40	70 x 2	70 x 2	8 μm	220 kgf	Grease	G1	15°C
HS34ET	12,000–20,000	ø40	70 x 2	70 x 2	8 μm	220 kgf	Grease	G1	15°C
<b>SPINDLE SPECIFICATION : BT 40</b>									
DL46EA	10,000–18,000	ø60	70 x 2	70 x 2	8 μm	600 kgf	Grease	G1	15°C
DS46ED	10,000–18,000	ø60	70 x 2	70 x 2	8 μm	600 kgf	Grease	G1	15°C
WD46ED	12,000–18,000	ø60	70 x 2	70 x 2	8 μm	600 kgf	Grease	G1	15°C
WE46EA	10,000–18,000	ø60	70 x 2	70 x 2	8 μm	600 kgf	Grease	G1	15°C
DF46EA	10,000–15,000	ø65	70 x 2	70 x 2	8 μm	700 kgf	Grease	G1	15°C
DS47ET	10,000–15,000	ø70	70 x 2	70 x 2	8 μm	850 kgf	Grease	G1	15°C
WD47ET	8,000–15,000	ø70	70 x 2	70 x 2	8 μm	850 kgf	Grease	G1	15°C
<b>SPINDLE SPECIFICATION : BT 50</b>									
ZD58DB	6,000–10,000	ø80	70 x 3	70 x 2	8 μm	1500 kgf	Grease	G1	15°C
ZD58ID	6,000–10,000	ø80	70 x 3	70 x 2	8 μm	1500 kgf	Grease	G1	15°C
DD59ED	6,000–12,000	ø90	70 x 2	70 x 2	8 μm	1750 kgf	Grease	G1	15°C
DD59ID	6,000–12,000	ø90	70 x 3	70 x 2	8 μm	1750 kgf	Grease	G1	15°C
ZD59ED	6,000–12,000	ø90	70 x 2	70 x 2	8 μm	1750 kgf	Grease	G1	15°C
ZD59ID	6,000–12,000	ø90	70 x 3	70 x 2	8 μm	1750 kgf	Grease	G1	15°C
HD5AAA	4,500	ø100	NN x 1 Thrust x2	NN x 1	8 μm	2000 kgf	Grease	G1	15°C

\* Design and specifications are subject to change without prior notice. For ordering, please contact our business department.

## Dimensional Drawing of Direct-Drive Spindle for Milling Machine



Dimensional and Specification of Direct-Drive Spindle

UNIT: mm

Model	$\phi D$	$\phi D1$	$\phi D2$	$\phi D3$	$\phi D4$	L	L1	L2	L3	L4	L5	M
SPINDLE SPECIFICATION : BT 30												
HD34ET	$\phi 100$	$\phi 138$	$\phi 110$	$\phi 55$	$\phi 38$	385	133	20	105	207	35	6-M8-PCD 120
HS34ET	$\phi 100$	$\phi 138$	$\phi 110$	$\phi 55$	$\phi 38$	385	182	20	56	256.5	35	6-M8-PCD 120
SPINDLE SPECIFICATION : BT 40												
DL46EA	$\phi 120$	$\phi 163$	$\phi 130$	$\phi 78$	$\phi 45$	490	168	20	127	301	45	6-M8-PCD 146
DS46ED	$\phi 120$	$\phi 163$	$\phi 130$	$\phi 78$	$\phi 45$	537	168	20	127	312	45	6-M8-PCD 146
WD46ED	$\phi 120$	$\phi 164$	$\phi 130$	$\phi 78$	$\phi 45$	537	238	20	57	382	45	6-M8-PCD 146
WE46EA	$\phi 120$	$\phi 163$	$\phi 130$	$\phi 78$	$\phi 45$	490	238	20	57	371	45	6-M8-PCD 146
DF46EA	$\phi 140$	$\phi 185$	$\phi 140$	$\phi 83$	$\phi 50$	535	238	24	65	373	50	8-M10-PCD 160
DS47ET	$\phi 150$	$\phi 202$	$\phi 155$	$\phi 88$	$\phi 50$	570	263	25	72	402	55	8-M10-PCD 180
WD47ET	$\phi 150$	$\phi 202$	$\phi 155$	$\phi 88$	$\phi 50$	570	195	25	140	335	45	8-M10-PCD 180
SPINDLE SPECIFICATION : BT 50												
ZD58DB	$\phi 155$	$\phi 205$	$\phi 164$	$\phi 107$	$\phi 50$	836	309	30	80	486	50	8-M10-PCD180
ZD58ID	$\phi 155$	$\phi 205$	$\phi 165$	$\phi 107$	$\phi 50$	836	215	25	174	392	50	8-M10-PCD 180
DD59ED	$\phi 190$	$\phi 245$	$\phi 200$	$\phi 128.57$	$\phi 50$	810	318	35	200	439	65	8-M12-PCD 220
DD59ID	$\phi 190$	$\phi 245$	$\phi 200$	$\phi 128.57$	$\phi 50$	810	318	35	200	439	65	8-M12-PCD 220
ZD59ED	$\phi 190$	$\phi 245$	$\phi 200$	$\phi 128.57$	$\phi 50$	810	318	35	102	537	65	8-M12-PCD 220
ZD59ID	$\phi 190$	$\phi 245$	$\phi 200$	$\phi 128.57$	$\phi 50$	810	318	35	102	537	65	8-M12-PCD 220
HD5AAA	$\phi 190$	$\phi 245$	$\phi 200$	$\phi 128.57$	$\phi 60$	842	270	30	170	484	78	8-M12-PCD 220

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