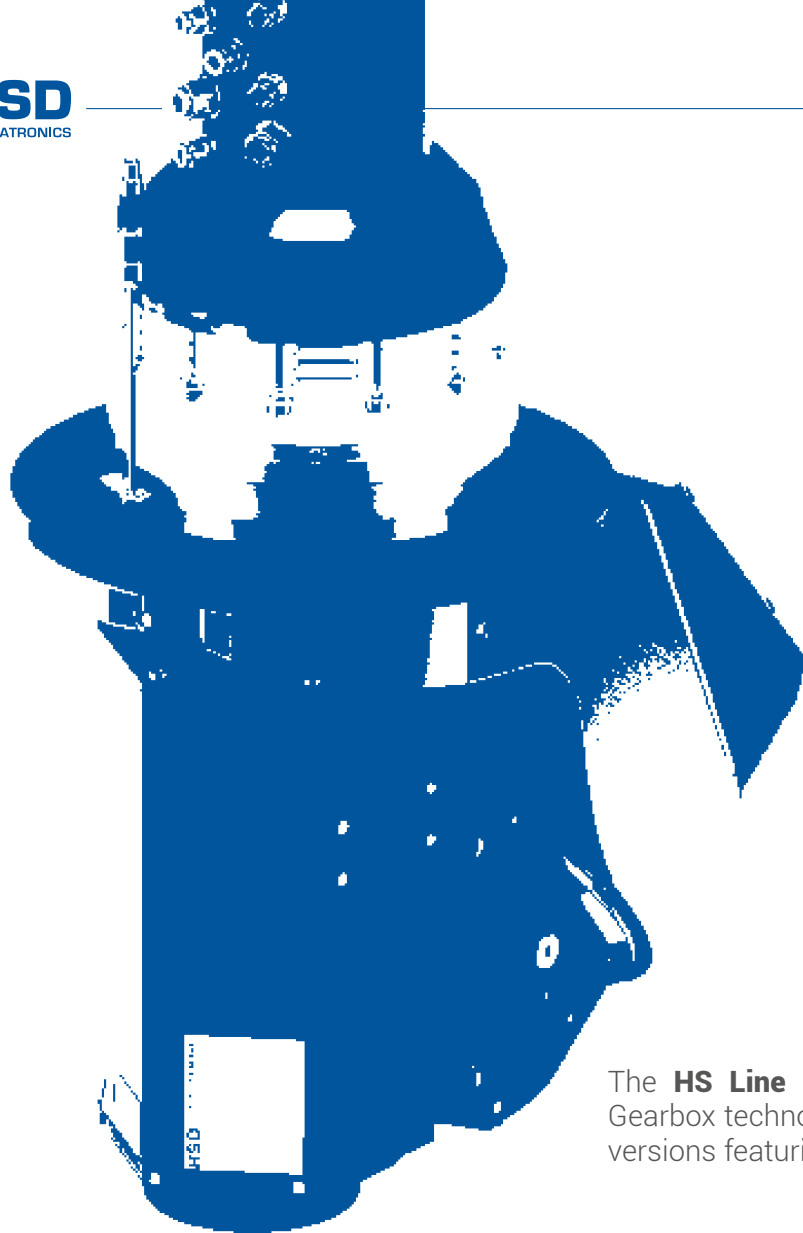




HS LINE

The **HS Line** identifies the range of milling heads using Gearbox technology. This product family is available in many versions featuring different sizes and models in order to offer solutions suitable for many applications.

The high compactness and lightness together with the ability to install a large variety of servomotors make their management efficient and functional to the CNC of the machine.

A wide choice of electrospindles is also available for this product line, which makes them suitable for processing the most diverse materials such as wood, metals, composites, glass and stone.

MATERIALS



LIGHT
ALLOY



CAST IRON & STEEL



PLASTIC & COMPOSITE



WOOD

APPLICATIONS



MILLING



TAPPING



DRILLING



CUTTING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS MACHINE CENTER



HS300C

Compact / Light / Essential

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



DRILLING



CUTTING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

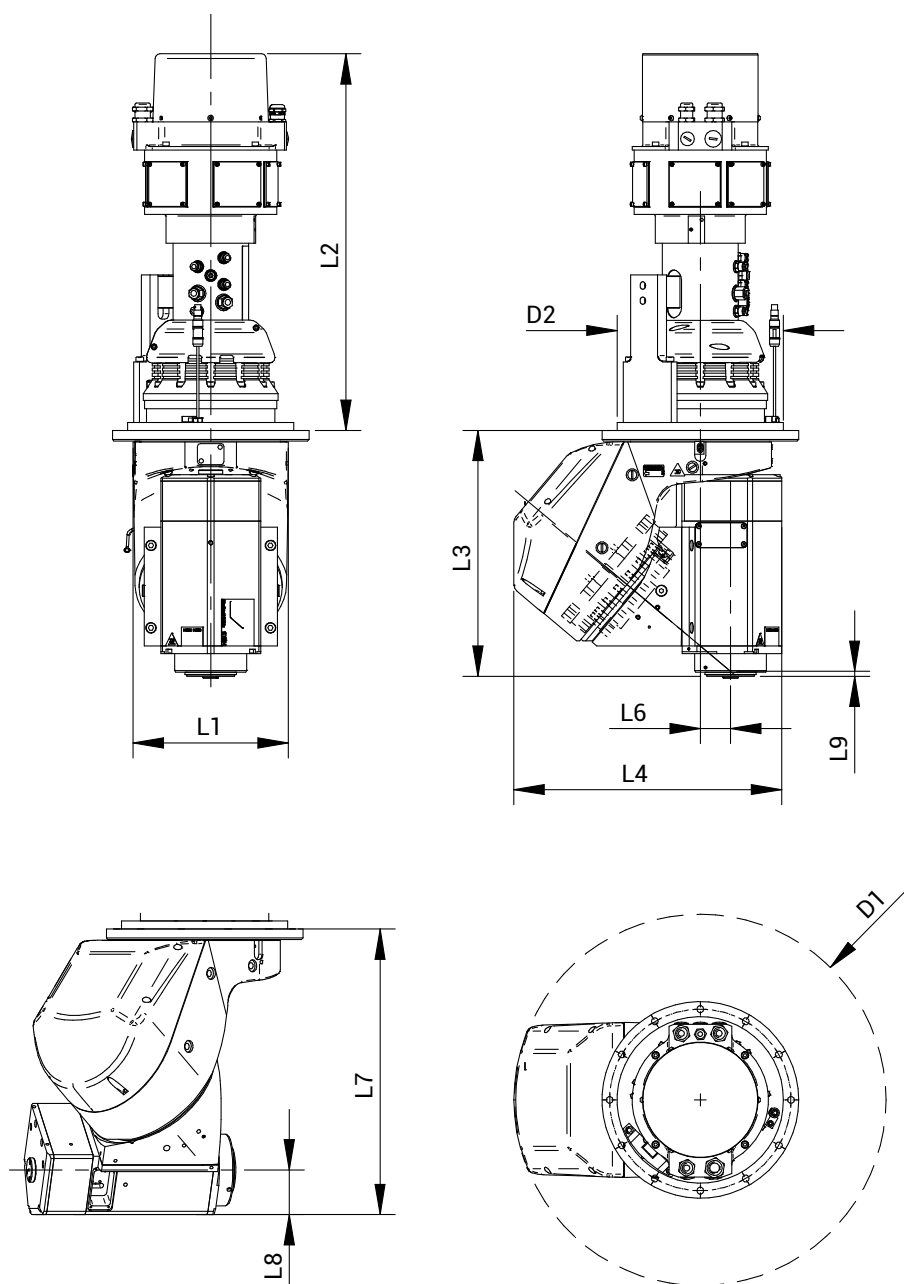
	HS300C
Motor brand	HSD Axis Motors
A Axis Max torque [Nm]	480
C Axis Max torque [Nm]	480
Clamping torque Axis brakes A [Nm]	-
Clamping torque Axis brakes C [Nm]	-
Max. speed Axis A [° / sec]	75
Max. speed Axis C [° / sec]	75
Measuring System Accuracy A [arcsec]	60
Measuring System Accuracy C [arcsec]	60
A Axis range [°]	Endless
C Axis range [°]	Endless
Weight [kg]	65

ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES369 6.5kW	ES369 7kW	ES369 11kW
Max speed [rpm] (grease / air-oil)	36.000	20.000	24.000
Motor type	Asynchronous	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	3.4 / 4.1	5.6 / 6.9	8.7 / 10.3
Power S1/S6 (40%) [kW]	6.5 / 7.8	7 / 8.7	11 / 13.2
Tool interface	HSK F50 / E40	HSK F63	HSK F63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease

DIMENSIONS



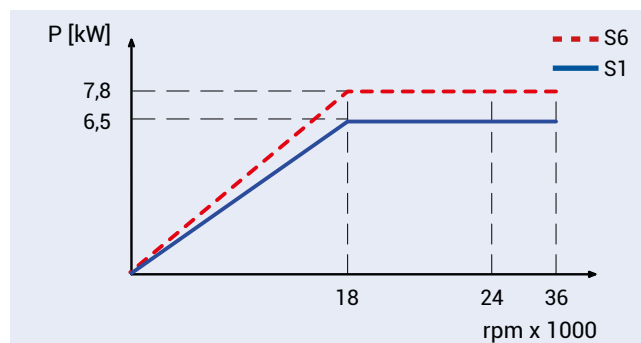
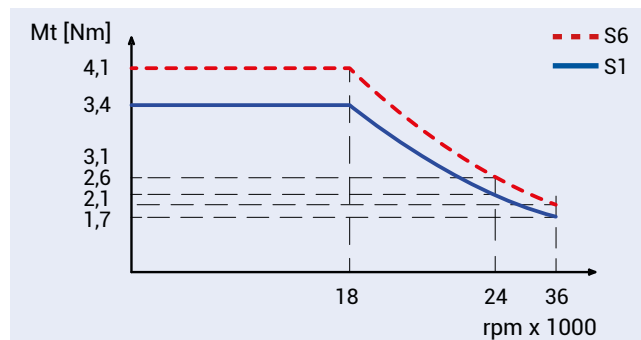
	HS300C
D1 (mm)	Ø490
D2 (mm)	Ø220
L1 (mm)	205
L2 (mm)	498
L3 (mm)	325 / 364 (*)
L4 (mm)	354
L6 (mm)	40
L7 (mm)	377,5
L8 (mm)	59
L9 (mm)	6.4 / 44.9 (*)

(*) With ES369 6.5kW

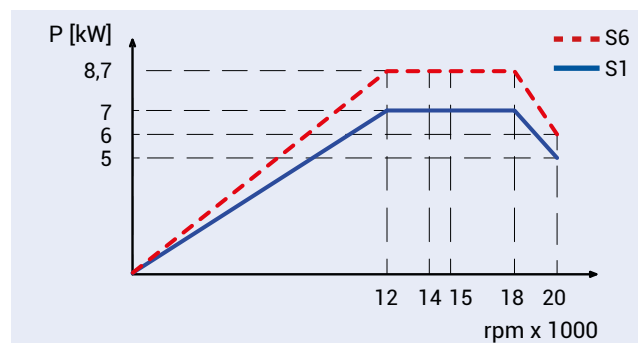
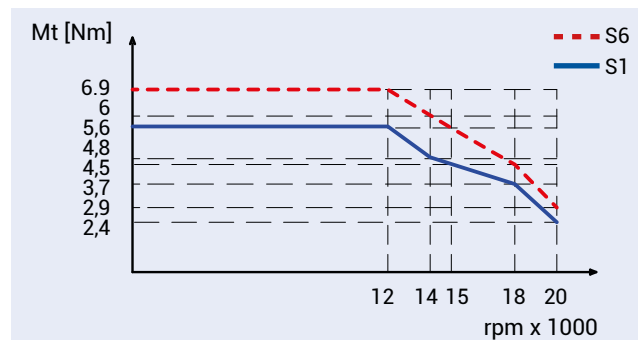
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

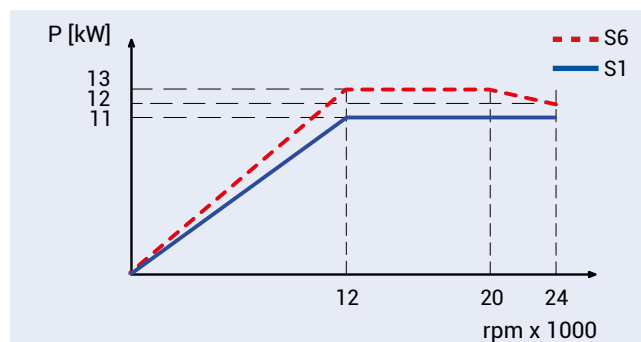
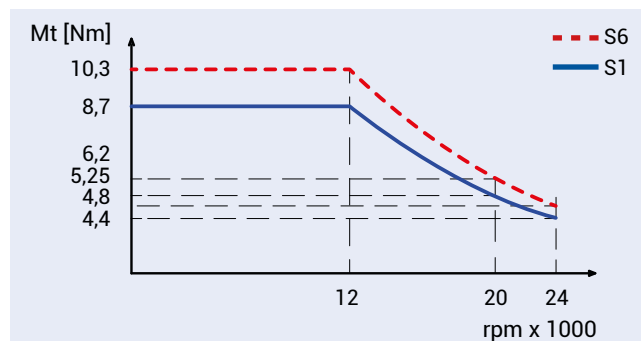
ES368 6.5kW 380V



ES368 7kW 380V



ES368 11kW 380V





HS300D

Compact / Light / Essential

MATERIALS



WOOD



PLASTIC &
COMPOSITE

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

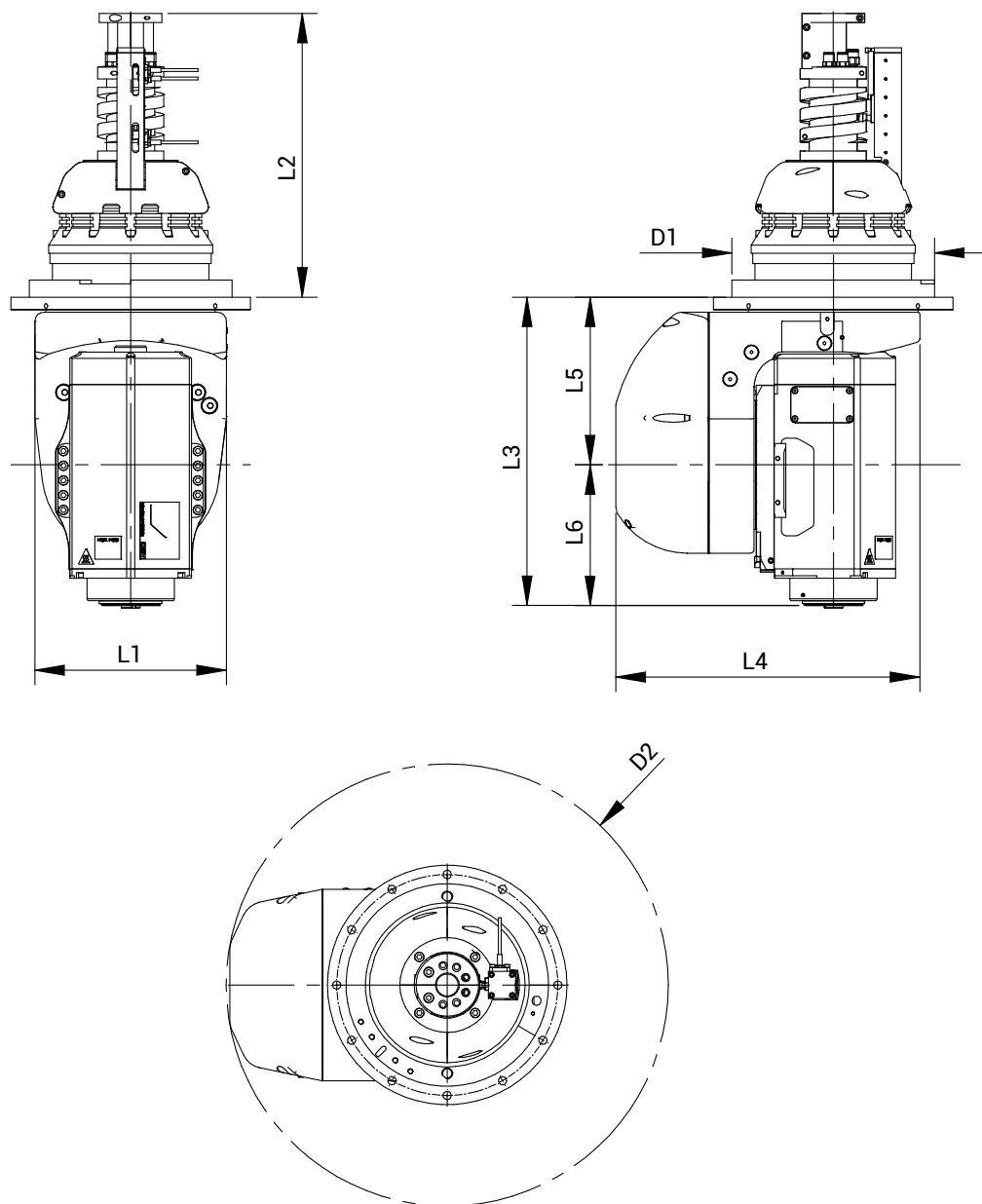
	HS300D
Motor brand	HSD Axis Motors
A Axis Max torque [Nm]	480
C Axis Max torque [Nm]	480
Clamping torque Axis brakes A [Nm]	-
Clamping torque Axis brakes C [Nm]	-
Max. speed Axis A [° / sec]	75
Max. speed Axis C [° / sec]	75
Measuring System Accuracy A [arcsec]	60
Measuring System Accuracy C [arcsec]	60
A Axis range [°]	±120
C Axis range [°]	±220
Weight [kg]	55

ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES368 6.5kW	ES368 7kW	ES368 11kW
Max speed [rpm] (grease / air-oil)	36.000	20.000	24.000
Motor type	Asynchronous	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	3.4 / 4.1	5.6 / 6.9	8.7 / 10.3
Power S1/S6 (40%) [kW]	6.5 / 7.8	7 / 8.7	11 / 13
Tool interface	HSK E40	HSK F63	HSK F63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease

DIMENSIONS



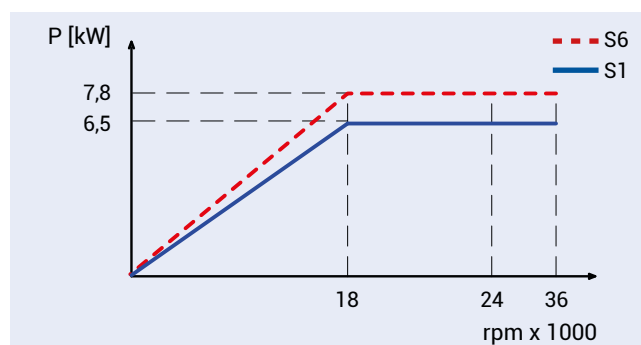
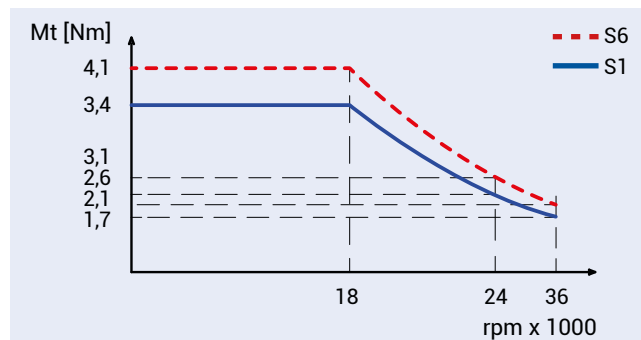
	HS300D
D1 (mm)	Ø220
D2 (mm)	Ø480
L1 (mm)	208
L2 (mm)	308
L3 (mm)	334.5 / 368.5 (*)
L4 (mm)	330
L5 (mm)	182
L6 (mm)	153 / 182.5 (*)

(*) With ES368 6.5kW

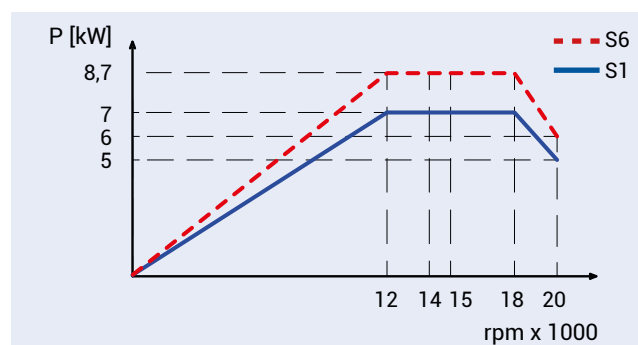
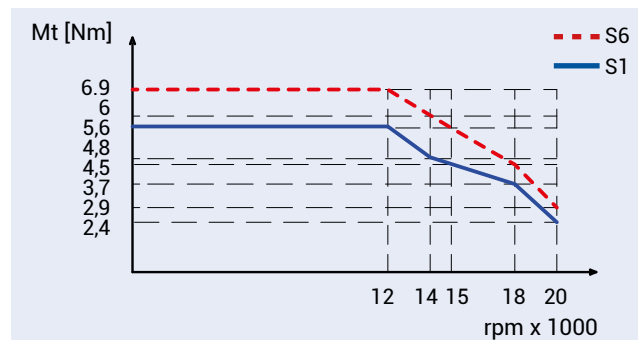
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

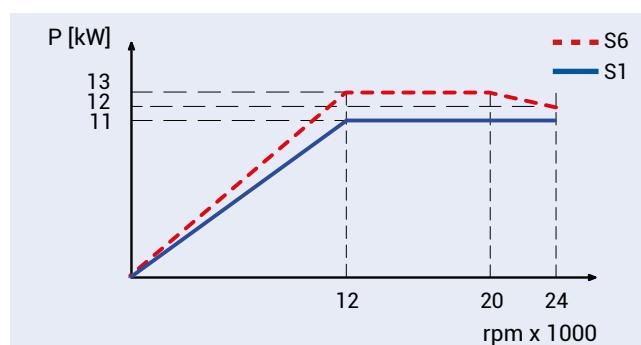
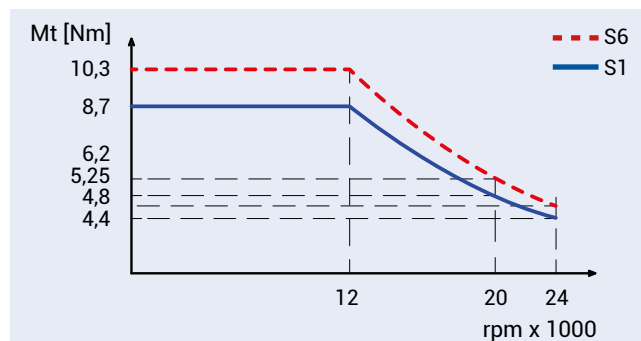
ES368 6.5kW 380V



ES368 7kW 380V



ES368 11kW 380V





HS351

Compact / Light / Multipurpose

MATERIALS



WOOD

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

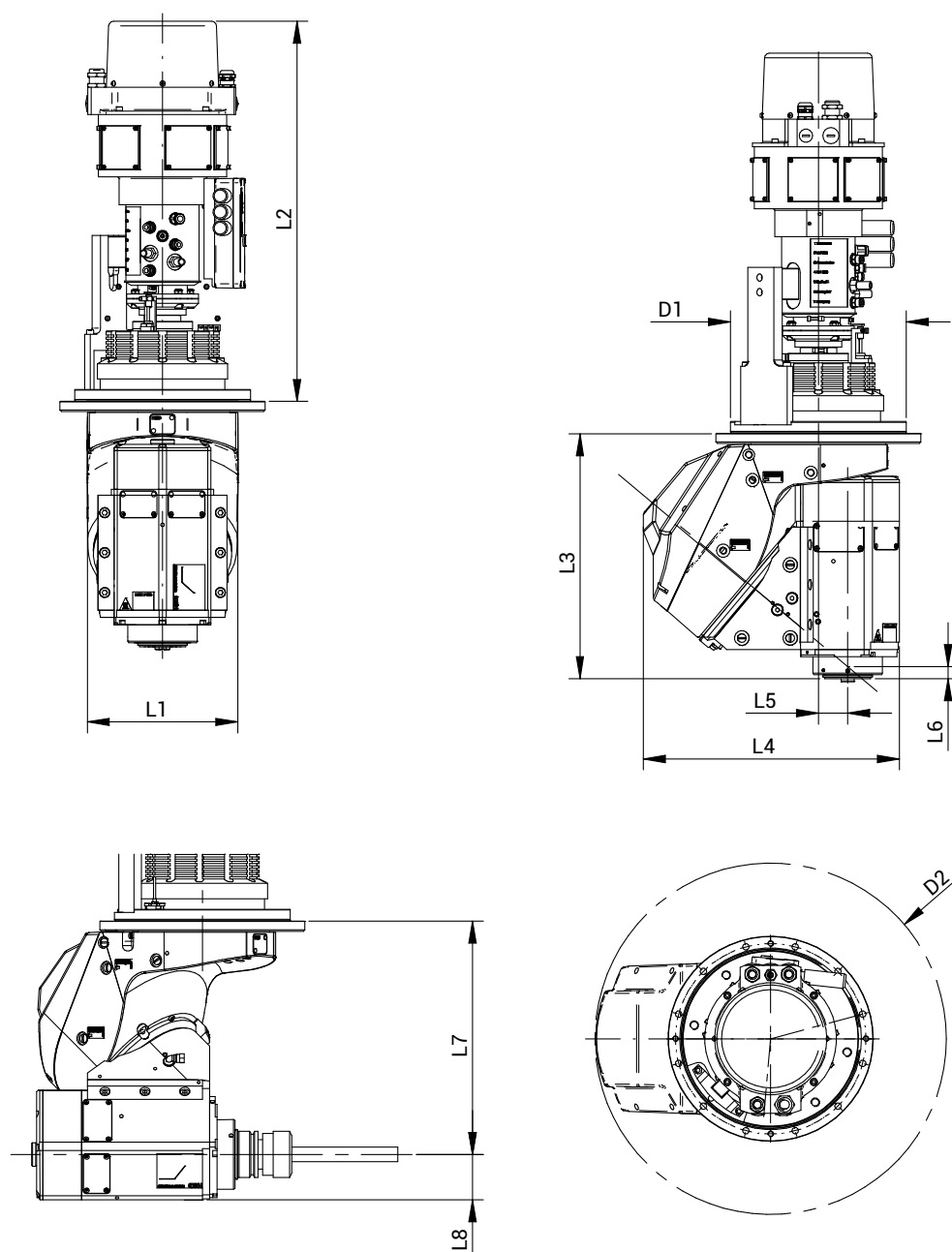
	HS351
Motor brand	HSD Axis Motors
A Axis Max torque [Nm]	500
C Axis Max torque [Nm]	500
Clamping torque Axis brakes A [Nm]	-
Clamping torque Axis brakes C [Nm]	-
Max. speed Axis A [° / sec]	96
Max. speed Axis C [° / sec]	96
Measuring System Accuracy A [arcsec]	60
Measuring System Accuracy C [arcsec]	60
A Axis range [°]	±150
C Axis range [°]	±240
Weight [kg]	50

ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES368	ES369
	11kW	11kW
Max speed [rpm] (grease / air-oil)	24.000	24.000
Motor type	Synchronous	Synchronous
Torque S1/S6 (40%) [Nm]	8.7 / 10.3	8.7 / 10.3
Power S1/S6 (40%) [kW]	11 / 13	11 / 13.2
Tool interface	HSK F63	HSK F63
Cooling	Liquid	Liquid
Bearings lubrication	Grease	Grease

DIMENSIONS

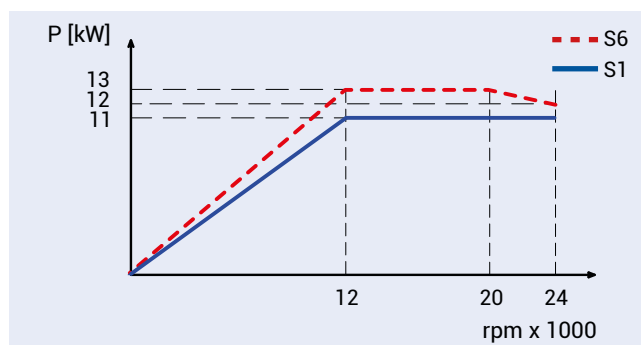
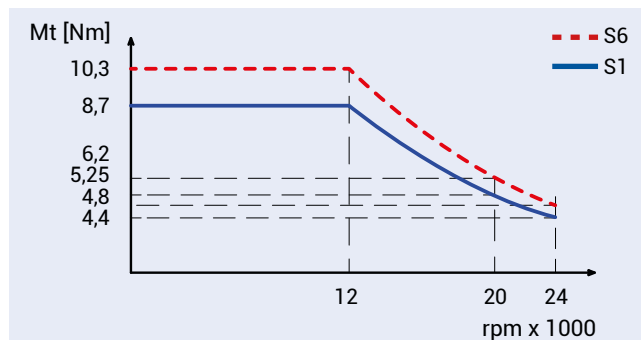


	HS351
D1 (mm)	Ø240
D2 (mm)	Ø318,5
L1 (mm)	205
L2 (mm)	519
L3 (mm)	334,5
L4 (mm)	349,5
L5 (mm)	40
L6 (mm)	16,4
L7 (mm)	480
L8 (mm)	62

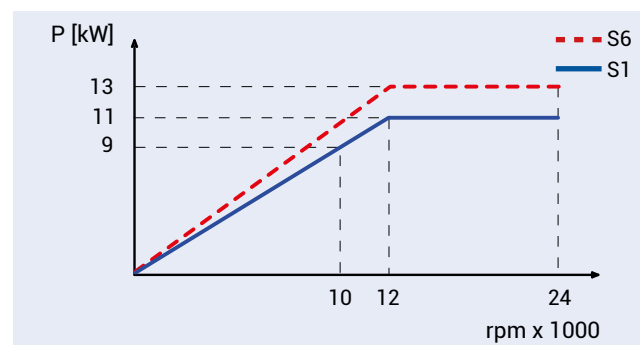
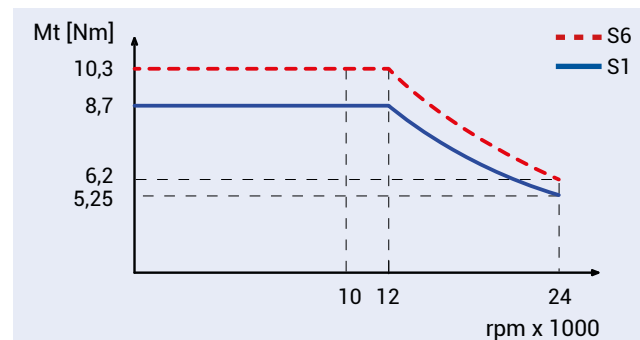
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

ES368 11kW 380V



ES369 11kW 380V





HS655

Compact / Light / Multipurpose

MATERIALS



WOOD



PLASTIC &
COMPOSITE

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

	HS655
Motor brand	Siemens, Fanuc, Yaskawa
A Axis Max torque [Nm]	1000
C Axis Max torque [Nm]	1200
Clamping torque Axis brakes A [Nm]	480
Clamping torque Axis brakes C [Nm]	600
Max. speed Axis A [° / sec]	170
Max. speed Axis C [° / sec]	270
Measuring System Accuracy A [arcsec]	60 (30 with direct axis encoder)
Measuring System Accuracy C [arcsec]	60 (30 with direct axis encoder)
A Axis range [°]	±120
C Axis range [°]	±240
Weight [kg]	150

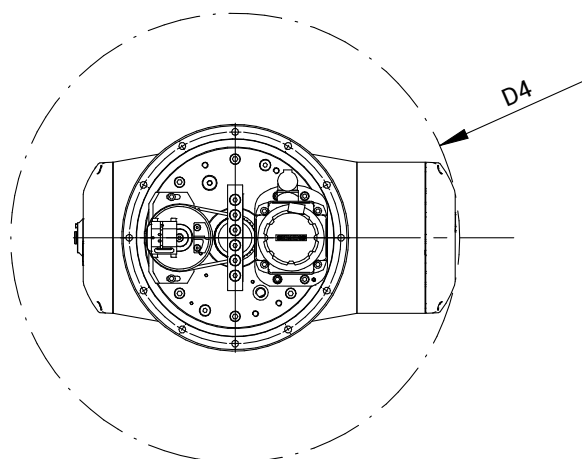
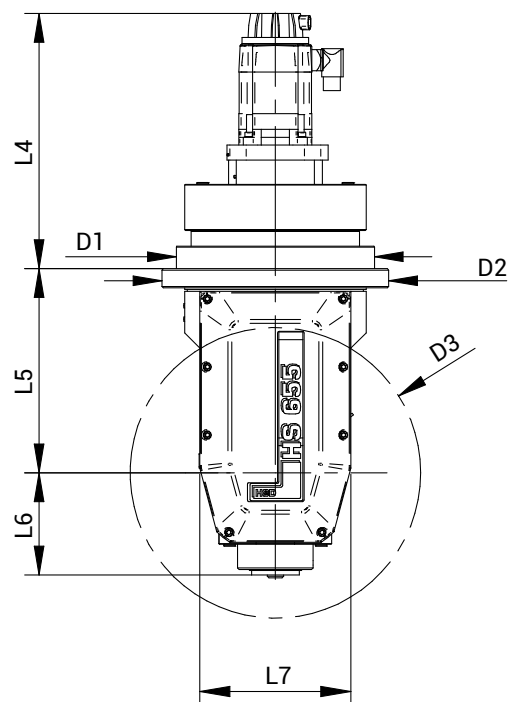
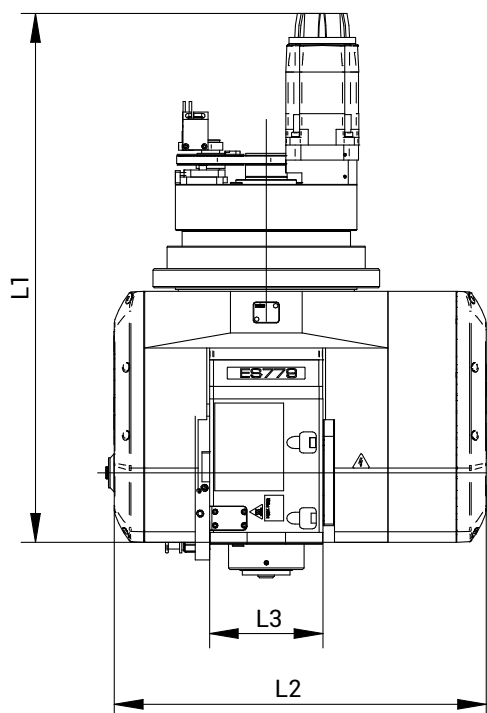
ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES779 10kW HT	ES789 15kW HT
Max speed [rpm] (grease / air-oil)	24.000 (*)	24.000
Motor type	Asynchronous	Asynchronous
Torque S1/S6 (40%) [Nm]	12.7 / 15.3	19.1 / 22.9
Power S1/S6 (40%) [kW]	10 / 12	15 / 18
Tool interface	HSK F63 / A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid
Bearings lubrication	Grease	Grease

(*) 18.000 with HSK A63 / E63

DIMENSIONS



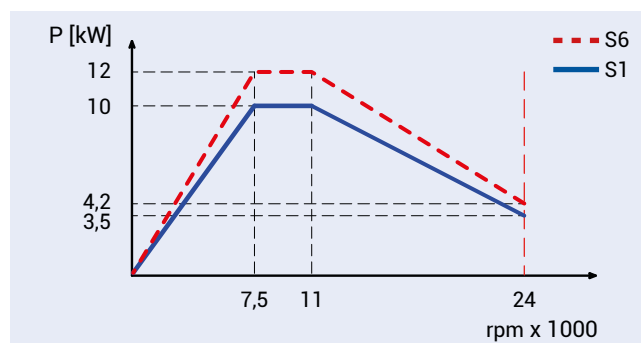
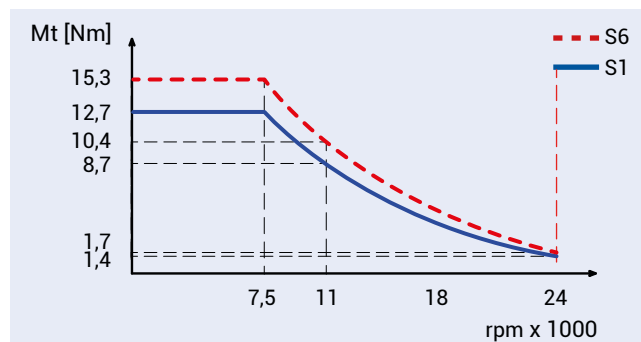
	HS655
D1 (mm)	Ø262
D2 (mm)	Ø300
D3 (mm)	Ø528 / Ø376 (**)
D4 (mm)	Ø528 / Ø465
L1 (mm)	699.5 / 639.6
L2 (mm)	492 / 436.3
L3 (mm)	150
L4 (mm)	337,5
L5 (mm)	270
L6 (mm)	135
L7 (mm)	200 / 240

(**) With ES779 10kW

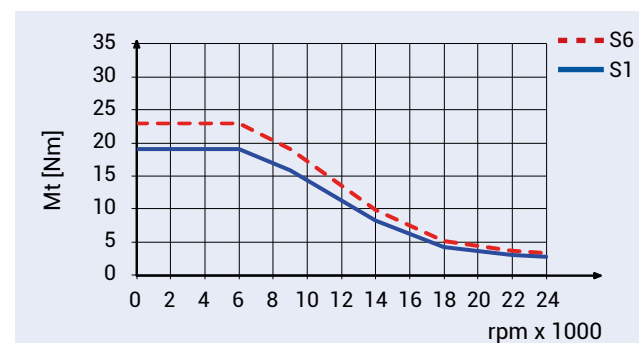
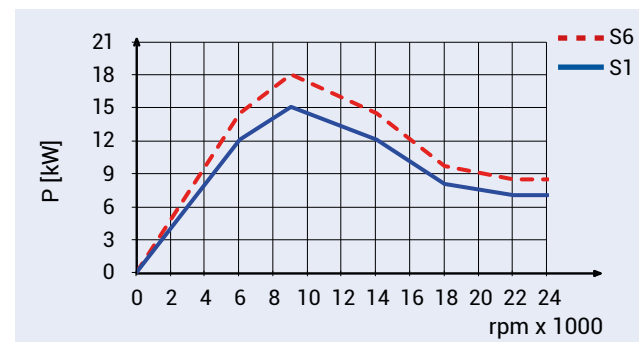
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

ES779 10kW HT - 24.000 rpm 380V - 220/380V



ES789 15kW HT 380V





HS673

Compact / Light / Configurable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

	HS673
Motor brand	Siemens, Fanuc, Yaskawa
A Axis Max torque [Nm]	1030
C Axis Max torque [Nm]	1030
Clamping torque Axis brakes A [Nm]	342 (optional)
Clamping torque Axis brakes C [Nm]	342 (optional)
Max. speed Axis A [° / sec]	135
Max. speed Axis C [° / sec]	135
Measuring System Accuracy A [arcsec]	60 (30 with direct axis encoder)
Measuring System Accuracy C [arcsec]	60 (30 with direct axis encoder)
A Axis range [°]	±120
C Axis range [°]	±360
Weight [kg]	100

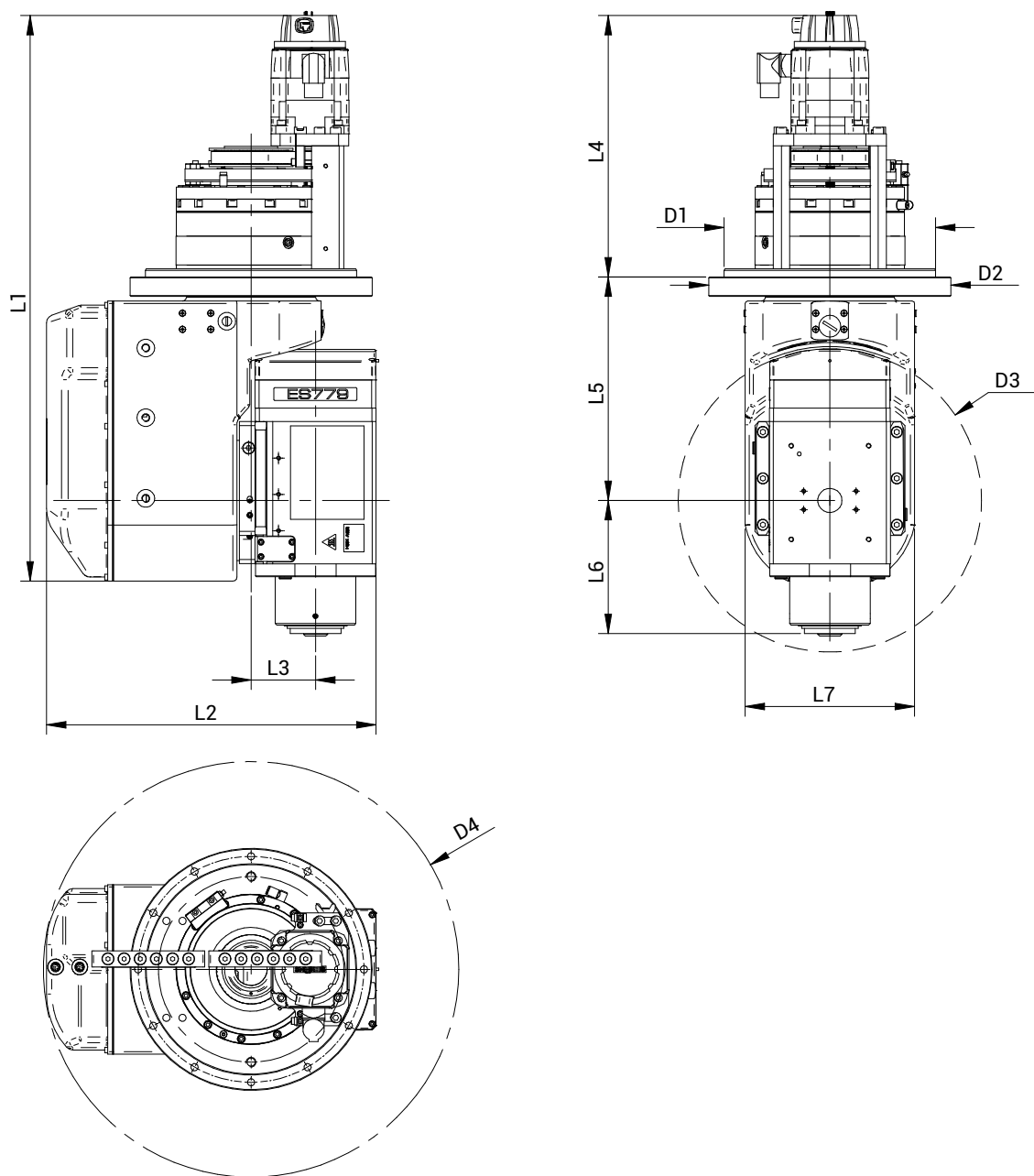
ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES779 10kW HT	ES779 15kW	ES779 22kW
Max speed [rpm] (grease / air-oil)	24.000 (*)	24.000 (*)	24.000
Motor type	Asynchronous	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	12.7 / 15.3	11.9 / 14.3	20 / 22.6
Power S1/S6 (40%) [kW]	10 / 12	15 / 18	22 / 25
Tool interface	HSK F63 / A63 / E63	HSK F63 / A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease

(*) 18.000 with HSK A63 / E63

DIMENSIONS



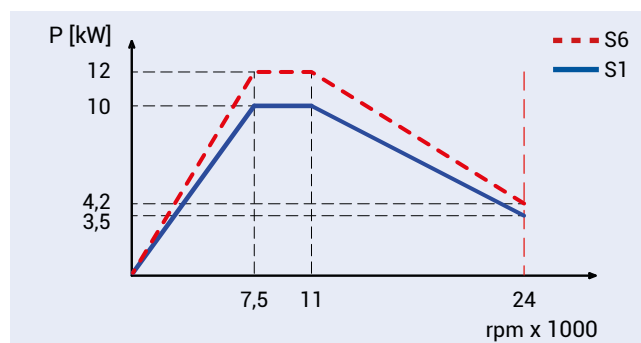
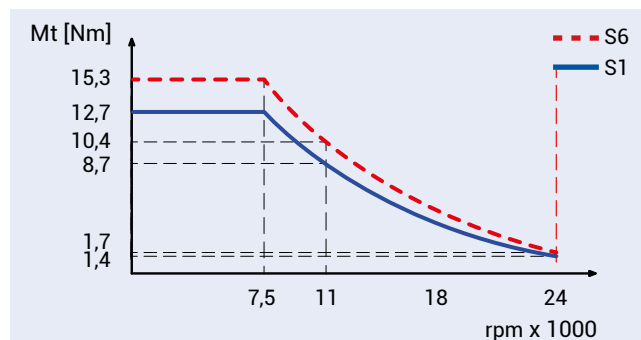
	HS673
D1 (mm)	Ø262
D2 (mm)	Ø300
D3 (mm)	Ø376 / Ø380 (**)
D4 (mm)	Ø515 / Ø472
L1 (mm)	702 / 722.5 / 771
L2 (mm)	408,5
L3 (mm)	80
L4 (mm)	325 / 343.5 / 329
L5 (mm)	277
L6 (mm)	165 / 185 (**)
L7 (mm)	210

(**) With ES779 15kW

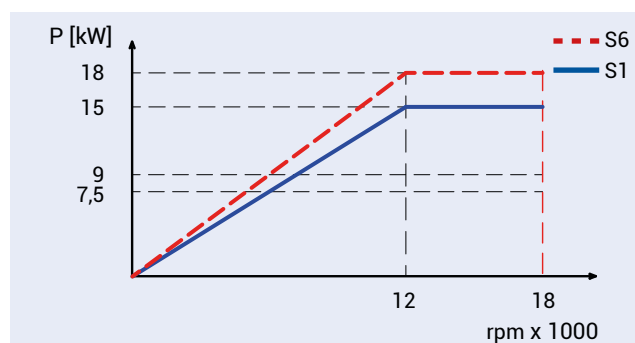
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

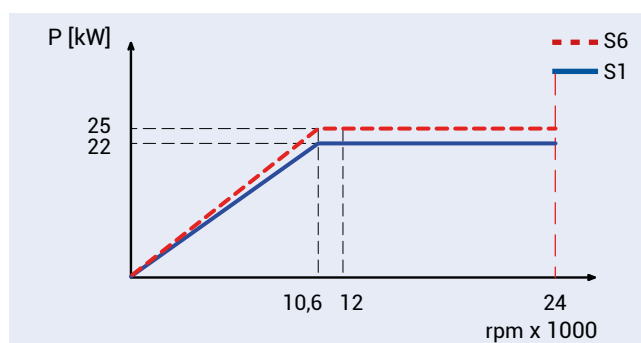
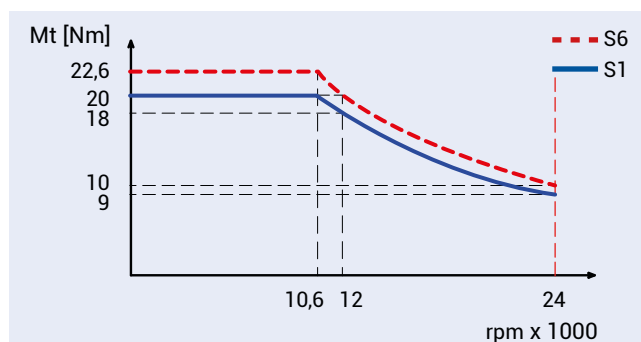
ES779 10kW HT - 24.000 rpm 380V - 220/380V



ES779 15kW - 18.000 rpm 380V



ES779 22kW - 24.000 rpm 380V





HS673A

Compact / Light / Configurable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

	HS673A
Motor brand	Siemens, Fanuc, Yaskawa
A Axis Max torque [Nm]	1030
C Axis Max torque [Nm]	1030
Clamping torque Axis brakes A [Nm]	342 (optional)
Clamping torque Axis brakes C [Nm]	342 (optional)
Max. speed Axis A [° / sec]	135
Max. speed Axis C [° / sec]	135
Measuring System Accuracy A [arcsec]	60 (30 with direct axis encoder)
Measuring System Accuracy C [arcsec]	60 (30 with direct axis encoder)
A Axis range [°]	±120
C Axis range [°]	±360
Weight [kg]	100

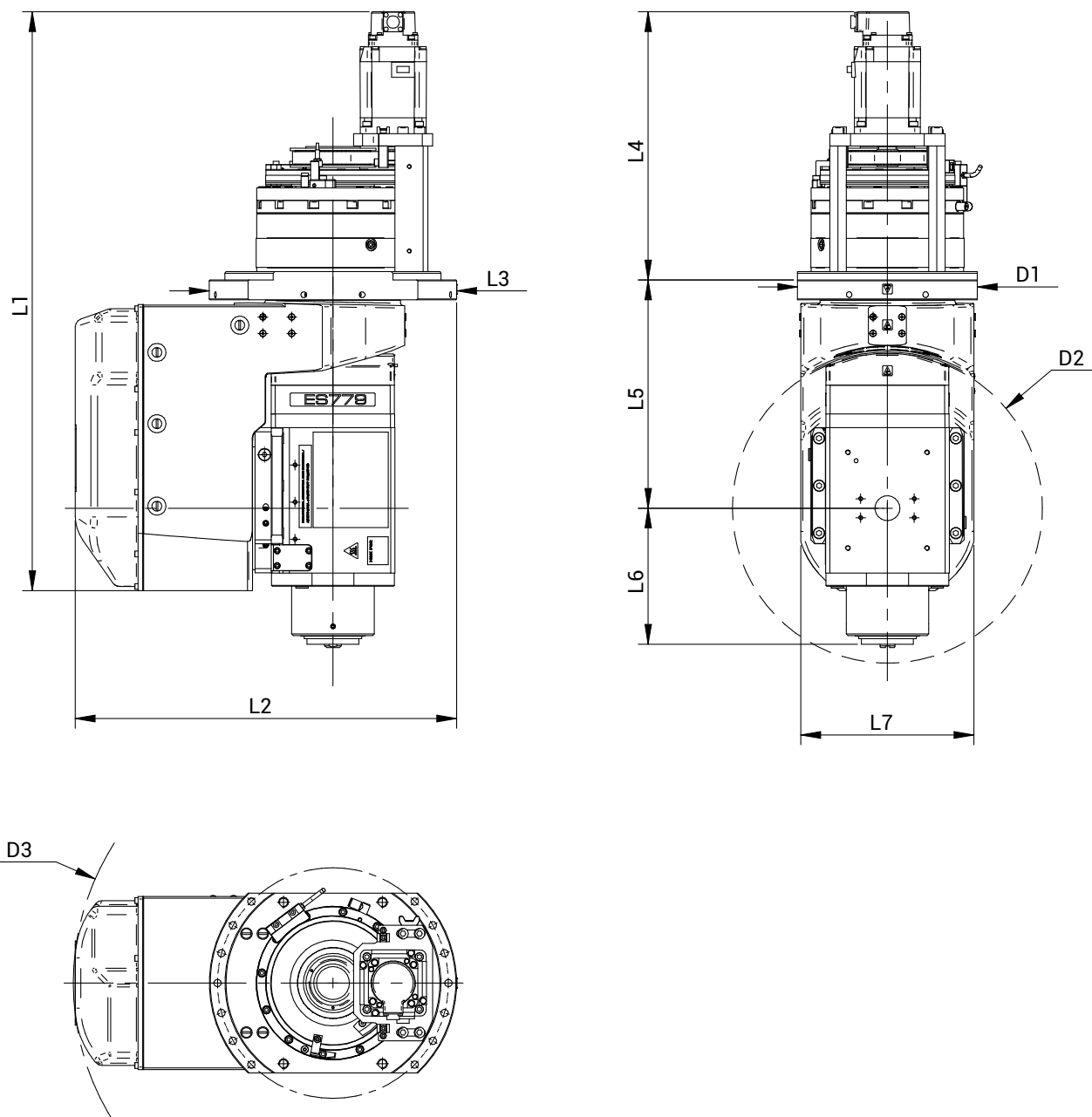
ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES779 10kW HT	ES779 15kW	ES779 22kW
Max speed [rpm] (grease / air-oil)	24.000 (*)	24.000 (*)	24.000
Motor type	Asynchronous	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	12.7 / 15.3	11.9 / 14.3	20 / 22.6
Power S1/S6 (40%) [kW]	10 / 12	15 / 18	22 / 25
Tool interface	HSK F63 / A63 / E63	HSK F63 / A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease

(*) 18.000 with HSK A63 / E63

DIMENSIONS



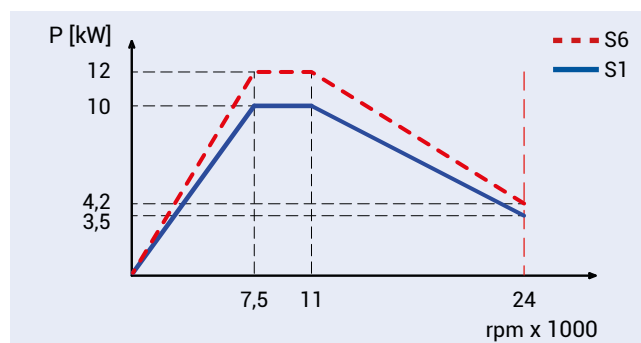
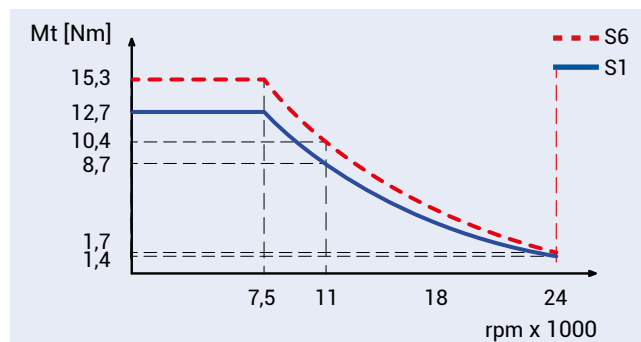
	HS673A
D1 (mm)	Ø262
D2 (mm)	Ø376 / Ø380 (**)
D3 (mm)	Ø515 / Ø472 / Ø630
L1 (mm)	702 / 722.5 / 771
L2 (mm)	462,5
L3 (mm)	300
L4 (mm)	325 / 343.5 / 329
L5 (mm)	277
L6 (mm)	165
L7 (mm)	210

(**) With ES779 15kW

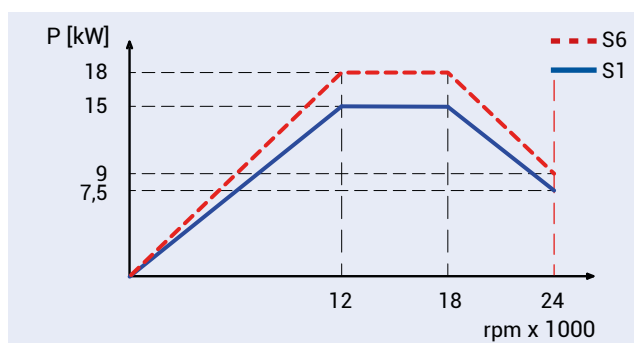
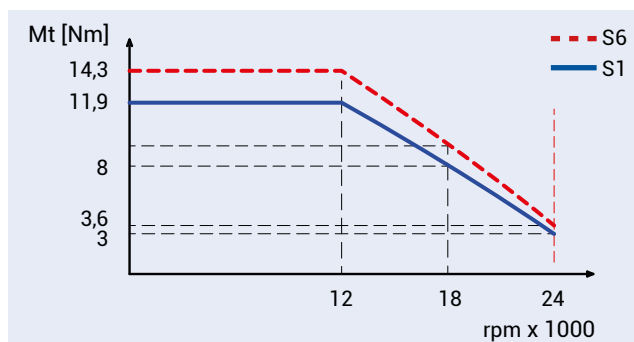
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

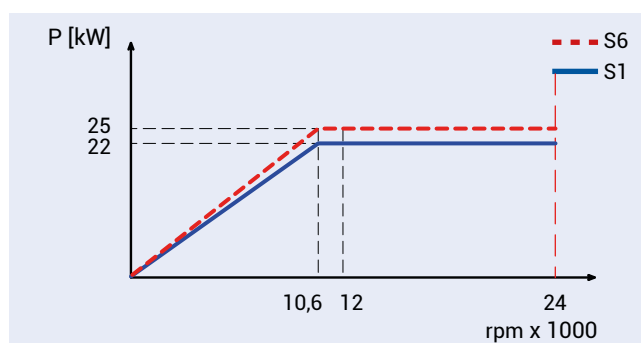
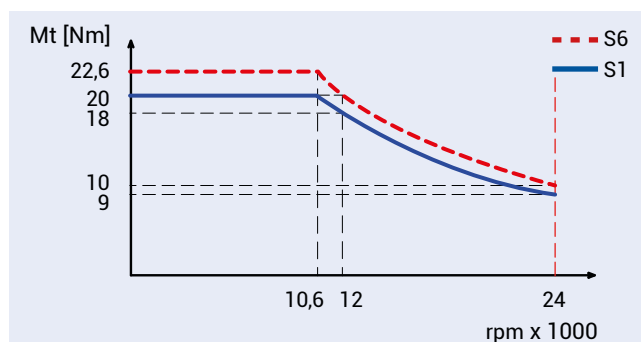
ES779 10kW HT - 24.000 rpm 380V - 220/380V



ES779 15kW - 24.000 rpm 380V



ES779 22kW - 24.000 rpm 380V





HS673L

Compact / Light / Configurable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

	HS673L
Motor brand	Yaskawa
A Axis Max torque [Nm]	1030
C Axis Max torque [Nm]	1030
Clamping torque Axis brakes A [Nm]	-
Clamping torque Axis brakes C [Nm]	-
Max. speed Axis A [° / sec]	135
Max. speed Axis C [° / sec]	135
Measuring System Accuracy A [arcsec]	60
Measuring System Accuracy C [arcsec]	60
A Axis range [°]	±120
C Axis range [°]	±270
Weight [kg]	100

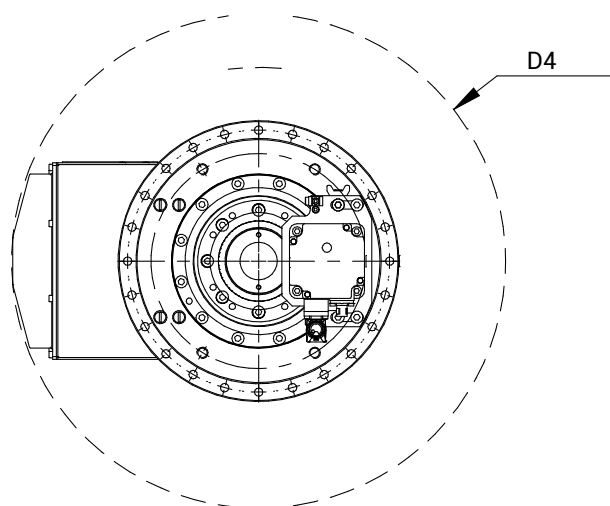
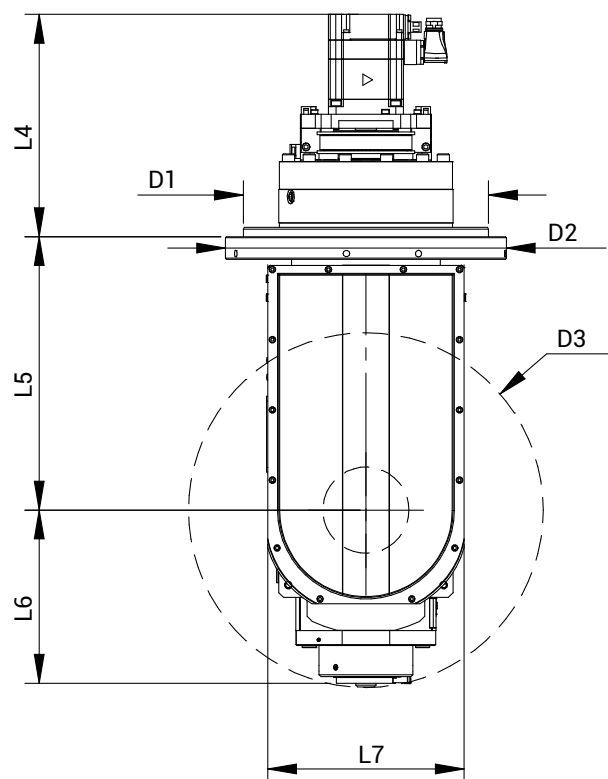
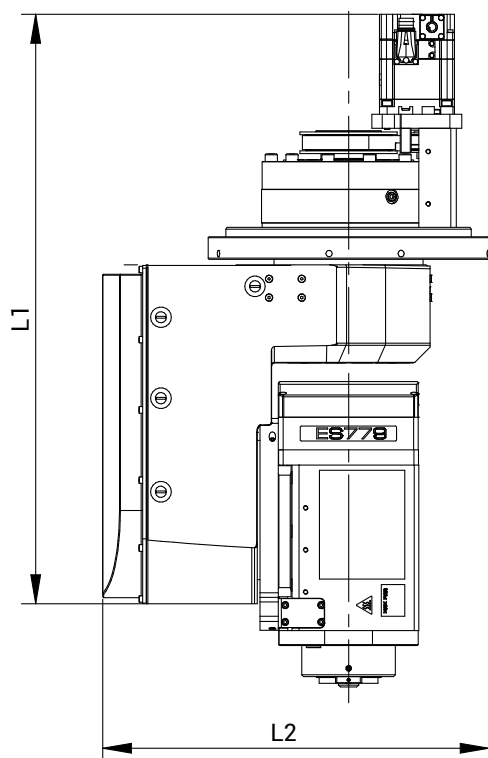
ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES779 10kW HT	ES779 15kW	ES779 22kW
Max speed [rpm] (grease / air-oil)	24.000 (*)	24.000 (*)	24.000
Motor type	Asynchronous	Asynchronous	Synchronous
Torque S1/S6 (40%) [Nm]	12.7 / 15.3	11.9 / 14.3	20 / 22.6
Power S1/S6 (40%) [kW]	10 / 12	15 / 18	22 / 25
Tool interface	HSK F63 / A63 / E63	HSK F63 / A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease

(*) 18.000 with HSK A63 / E63

DIMENSIONS



	HS673L
D1 (mm)	Ø262
D2 (mm)	Ø300
D3 (mm)	Ø379 / Ø438 (**)
D4 (mm)	Ø525 / Ø528
L1 (mm)	720 / 714.5 / 785.8
L2 (mm)	413
L4 (mm)	243 / 237.5 / 278.8
L5 (mm)	292
L6 (mm)	185 / 215 (***)
L7 (mm)	210

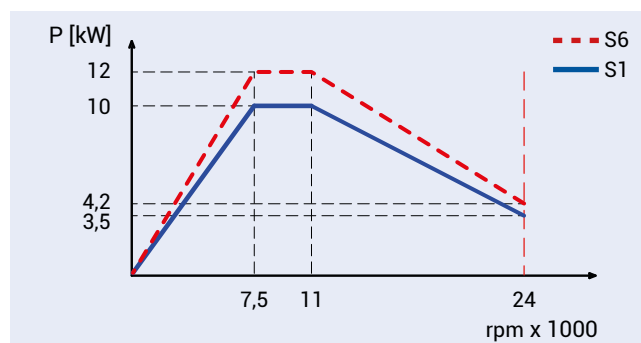
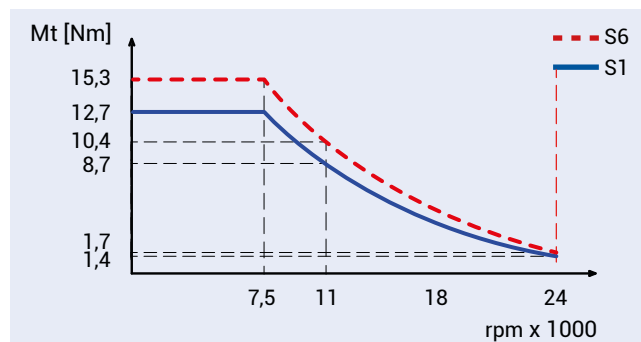
(**) With ES779 15kW

(***) With ES779 22kW

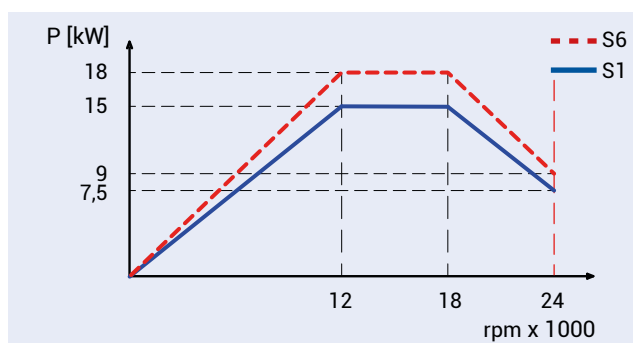
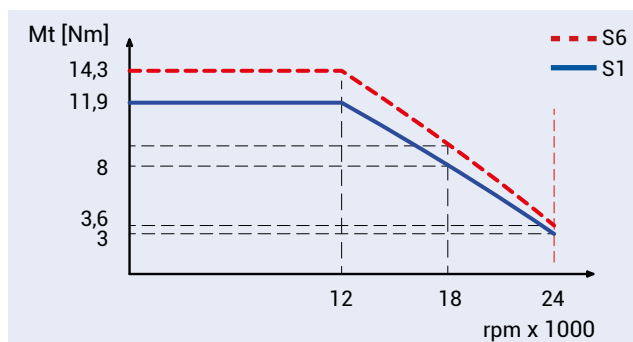
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

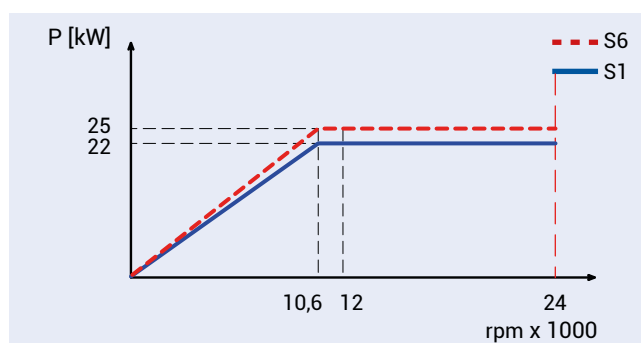
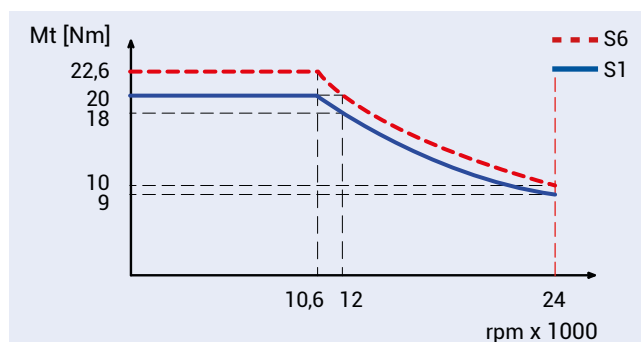
ES779 10kW HT - 24.000 rpm 380V - 220/380V



ES779 15kW - 24.000 rpm 380V



ES779 22kW - 24.000 rpm 380V





HS675

Compact / Light / Configurable

MATERIALS



LIGHT
ALLOY



PLASTIC &
COMPOSITE



WOOD

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

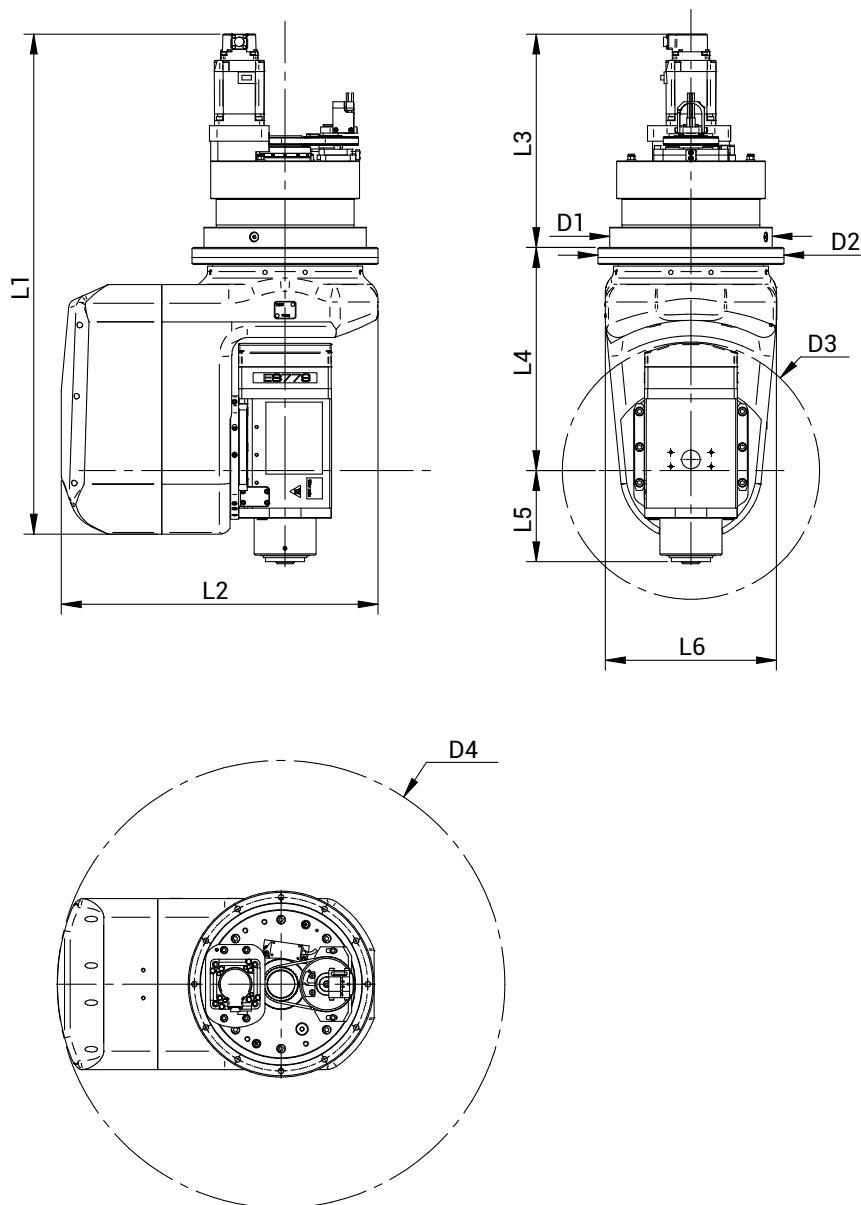
	HS675
Motor brand	Siemens, Fanuc, Yaskawa
A Axis Max torque [Nm]	1000
C Axis Max torque [Nm]	1200
Clamping torque Axis brakes A [Nm]	600 (optional)
Clamping torque Axis brakes C [Nm]	600 (optional)
Max. speed Axis A [° / sec]	130
Max. speed Axis C [° / sec]	200
Measuring System Accuracy A [arcsec]	60 (30 with direct axis encoder)
Measuring System Accuracy C [arcsec]	60 (30 with direct axis encoder)
A Axis range [°]	±120
C Axis range [°]	±245
Weight [kg]	170

ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES779 10kW HT	ES779 22kW	ES789 15kW	ES789 15kW HT
Max speed [rpm] (grease / air-oil)	24.000	24.000	24.000	24.000
Motor type	Asynchronous	Synchronous	Asynchronous	Asynchronous
Torque S1/S6 (40%) [Nm]	12.7 / 15.3	20 / 22.6	12 / 14,3	19.1 / 22.9
Power S1/S6 (40%) [kW]	10 / 12	22 / 25	15 / 18	15 / 18
Tool interface	HSK F63 / A63 / E63	HSK F63 / A63 / E63	HSK F63 / A63 / E63	HSK F63 / A63 / E63
Cooling	Liquid	Liquid	Liquid	Liquid
Bearings lubrication	Grease	Grease	Grease	Grease

DIMENSIONS



	HS675
D1 (mm)	Ø262
D2 (mm)	Ø300
D3 (mm)	Ø352 / Ø467 (*)(**)
D4 (mm)	Ø597 / Ø652.1
L1 (mm)	756.5 / 828.8
L2 (mm)	446 / 511
L3 (mm)	293.5 / 341.5
L4 (mm)	360
L5 (mm)	147 / 217 (*)(**)
L6 (mm)	276

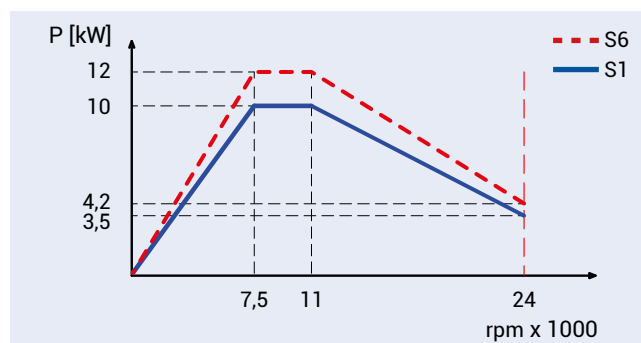
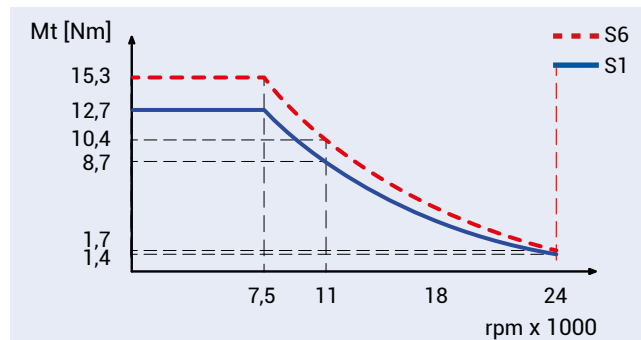
(*) With ES789 15kW

(**) With ES789 15kW HT

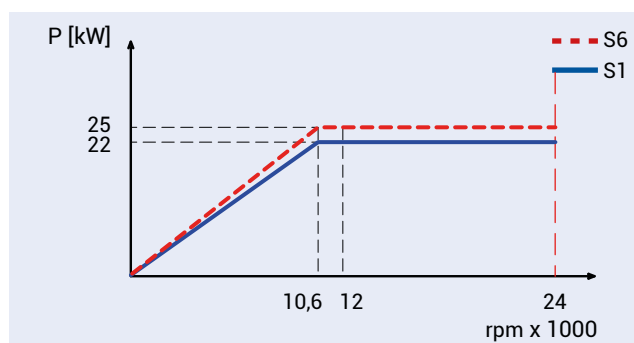
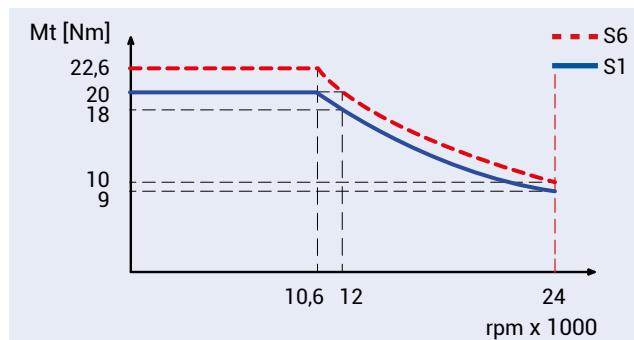
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

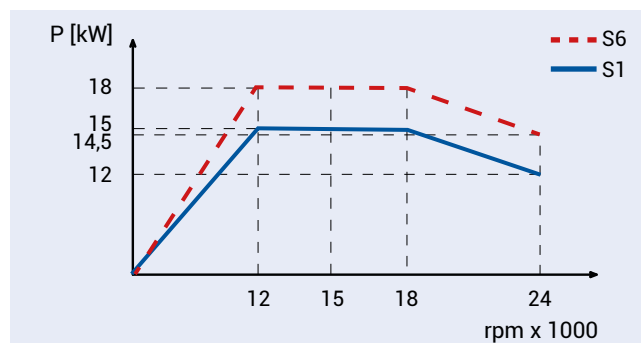
ES779 10kW HT - 24.000 rpm 380V - 220/380V



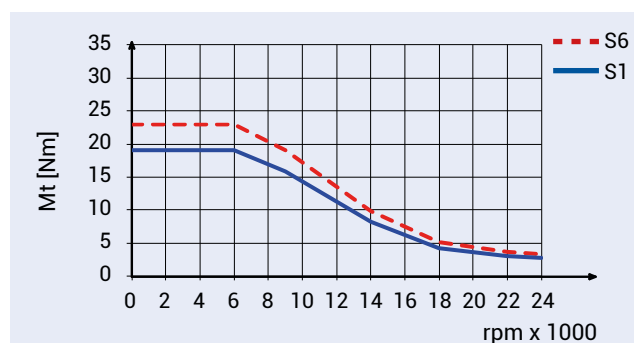
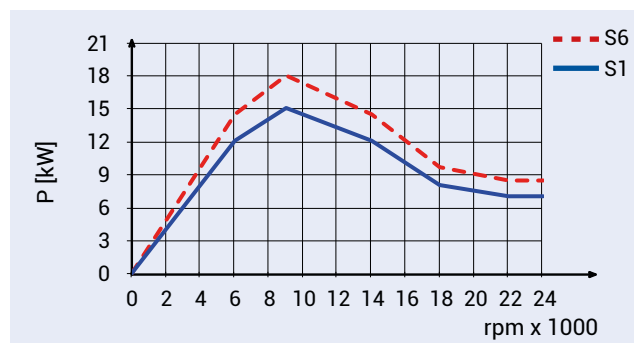
ES779 22kW - 24.000 rpm 380V



ES789 15kW 380V - 220/380V



ES789 15kW HT 380V





HS678

Compact / Light / Configurable

MATERIALS



LIGHT
ALLOY



CAST IRON
& STEEL



PLASTIC &
COMPOSITE

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

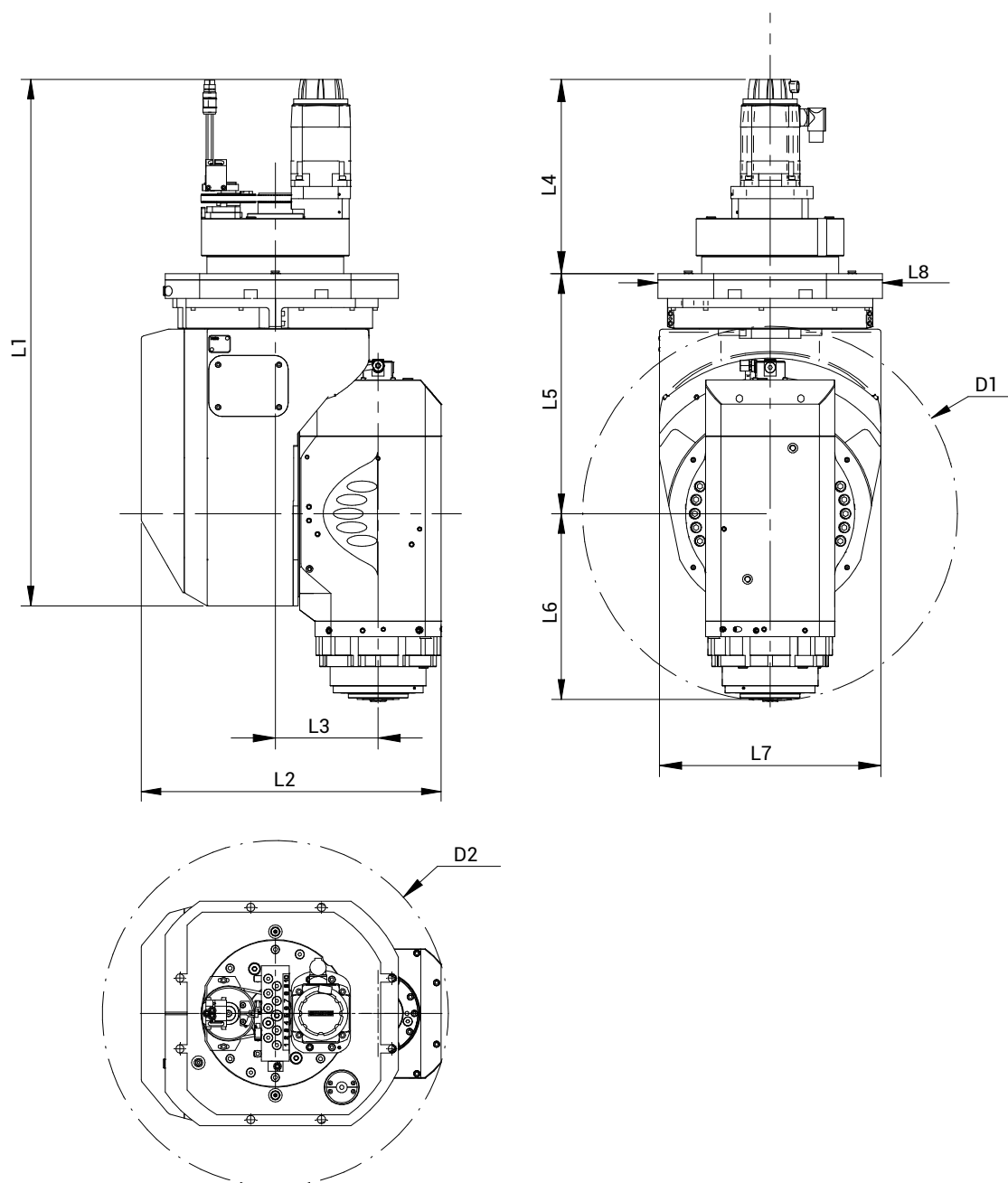
	HS678
Motor brand	Siemens, Fanuc, Yaskawa
A Axis Max torque [Nm]	1.225
C Axis Max torque [Nm]	1.225
Clamping torque Axis brakes A [Nm]	1.080 (optional)
Clamping torque Axis brakes C [Nm]	1.080 (optional)
Max. speed Axis A [° / sec]	120
Max. speed Axis C [° / sec]	200
Measuring System Accuracy A [arcsec]	60 (30 with direct axis encoder)
Measuring System Accuracy C [arcsec]	60 (30 with direct axis encoder)
A Axis range [°]	±120
C Axis range [°]	±245
Weight [kg]	280

ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES510 24kW	ES789 15kW HT	ES798 22kW
Max speed [rpm] (grease / air-oil)	18.000 / 24.000	24.000	20.000
Motor type	Asynchronous	Asynchronous	Asynchronous
Torque S1/S6 (40%) [Nm]	38 / 46	19.1 / 22.9	28 / 38,2
Power S1/S6 (40%) [kW]	24 / 28,8	15 / 18	22 / 25
Tool interface	HSK A63	HSK F63 / A63 / E63	HSK F63
Cooling	Liquid	Liquid	Liquid
Bearings lubrication	Grease / Air Oil	Grease	Grease

DIMENSIONS



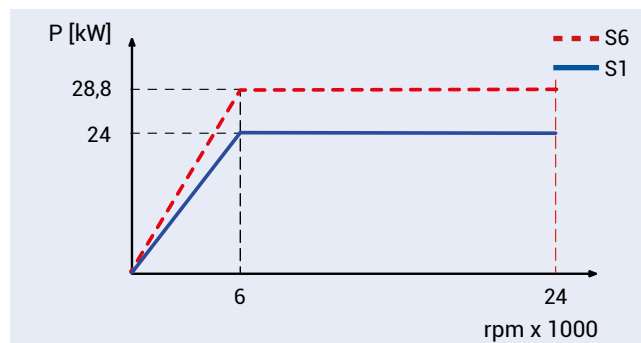
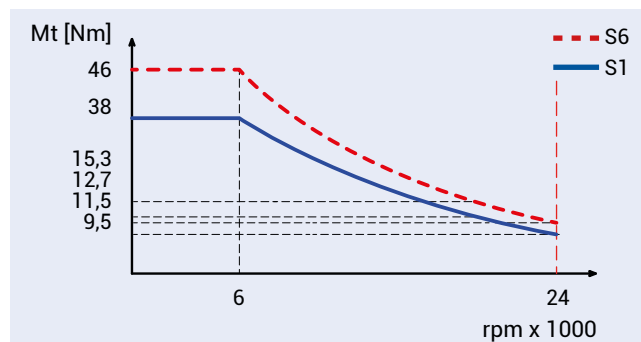
	HS678
D1 (mm)	Ø508 / Ø609 (*)
D2 (mm)	Ø485 / Ø565 (*)
L1 (mm)	841 / 832
L2 (mm)	456 / 487.5 (*)
L3 (mm)	138 / 167 (*)
L4 (mm)	331 / 302
L5 (mm)	380
L6 (mm)	250 / 302 (*)
L7 (mm)	360
L8 (mm)	365

(*) With ES510 24kW

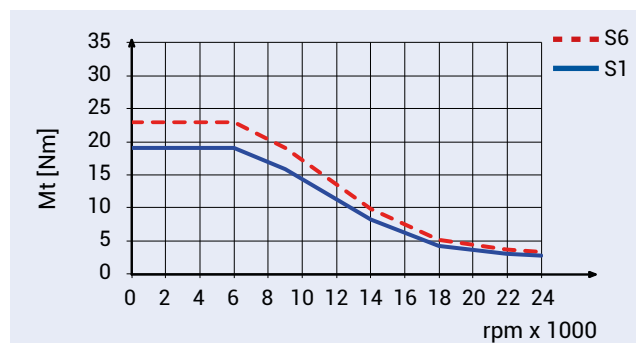
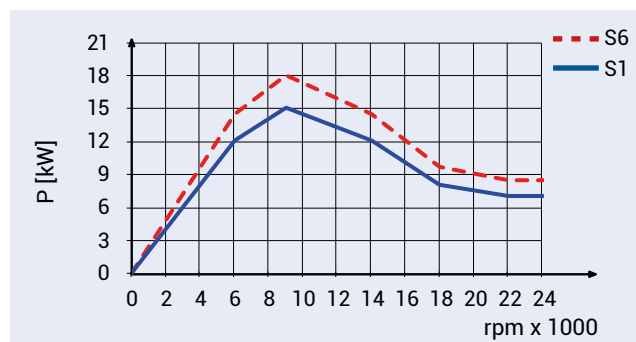
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

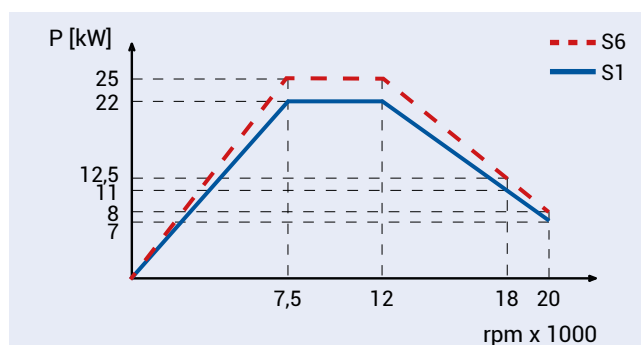
ES510 24kW 380V - 400V



ES789 15kW HT 380V



ES798 22kW 380V





HS778

Compact / Light / Configurable

MATERIALS



LIGHT
ALLOY



CAST IRON
& STEEL

APPLICATIONS



MILLING



DRILLING



CUTTING



TAPPING

TARGET MACHINES



GANTRY &
PORTAL
CNC



5 AXIS
MACHINE
CENTER

TECHNICAL DATA

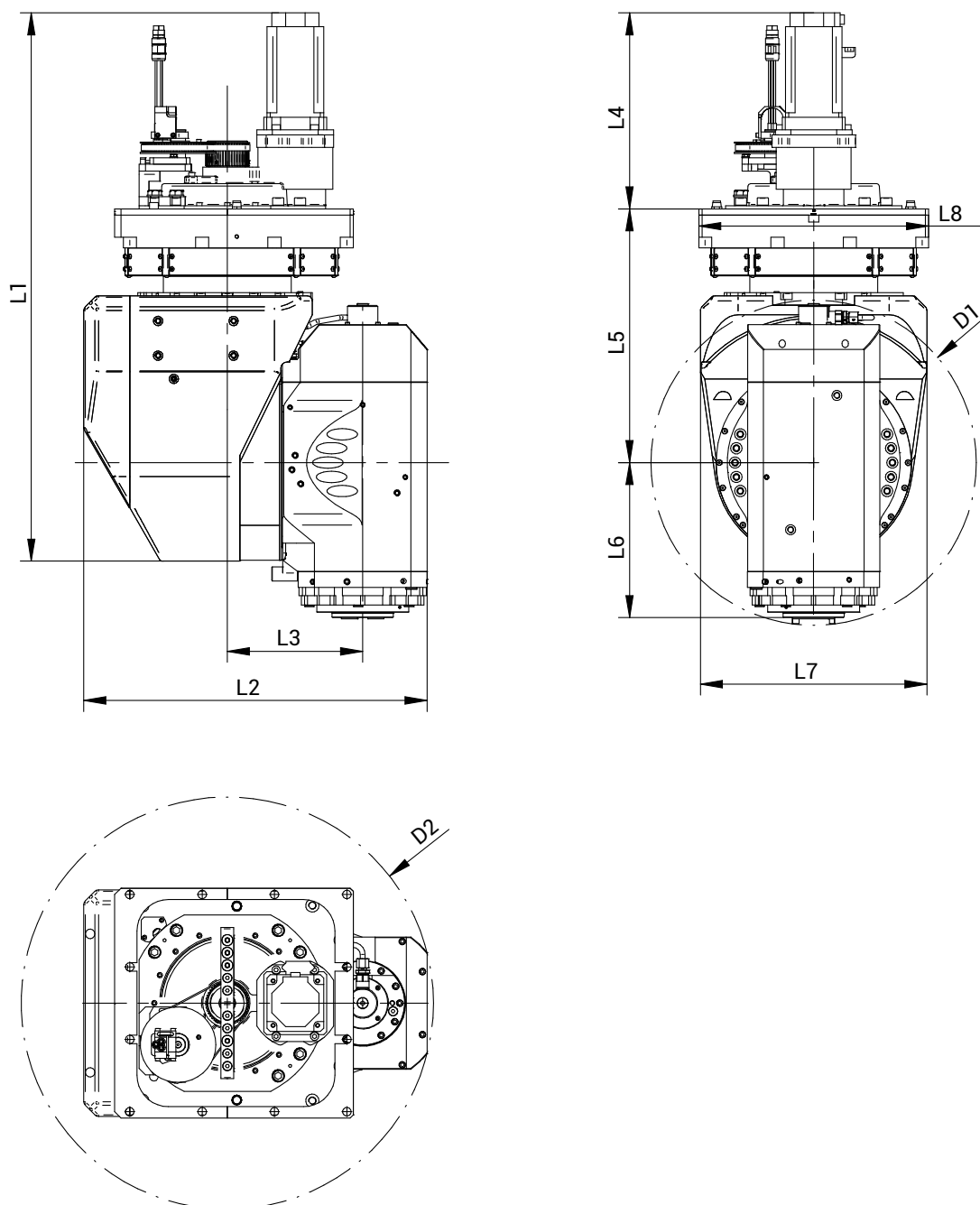
	HS778
Motor brand	Siemens, Fanuc, Yaskawa
A Axis Max torque [Nm]	2.400
C Axis Max torque [Nm]	2.400
Clamping torque Axis brakes A [Nm]	2.000
Clamping torque Axis brakes C [Nm]	3.000
Max. speed Axis A [° / sec]	85
Max. speed Axis C [° / sec]	115
Measuring System Accuracy A [arcsec]	20
Measuring System Accuracy C [arcsec]	20
A Axis range [°]	±100
C Axis range [°]	±262
Weight [kg]	350

ES COMPATIBILITY

ELECTROSPINDLES TECHNICAL DATA

	ES510 24kW	ES510 30kW	ES510 42kW	ES789 25kW	ES793 15kW
Max speed [rpm] (grease / air-oil)	18.000 / 24.000	18.000 / 24.000	18.000 / 24.000	24.000	12.000
Motor type	Asynchronous	Asynchronous	Synchronous	Asynchronous	Asynchronous
Torque S1/S6 (40%) [Nm]	38 / 46	48 / 57	67 / 87,5	23.9 / 28.6	31.8 / 38.2
Power S1/S6 (40%) [kW]	24 / 28,8	30 / 36	42 / 55	25 / 30	15 / 18
Tool interface	HSK A63	HSK A63	HSK A63	HSK F63 / A63 / E63	ISO40
Cooling	Liquid	Liquid	Liquid	Liquid	Liquid
Bearings lubrication	Grease / Air Oil	Grease / Air Oil	Grease / Air Oil	Grease	Grease

DIMENSIONS



	HS778
D1 (mm)	Ø517 / Ø550 (*) / Ø449 (**)
D2 (mm)	Ø655 / Ø560 (*) / Ø634 (**)
L1 (mm)	871
L2 (mm)	545.5 / 487.6 (*) / 527.6 (**)
L3 (mm)	215 / 184.6 (*) / 203.6 (**)
L4 (mm)	311.5 / 321.5 / 348.5
L5 (mm)	403 / 393 (*)
L6 (mm)	246 / 269 (*)
L7 (mm)	360
L8 (mm)	365

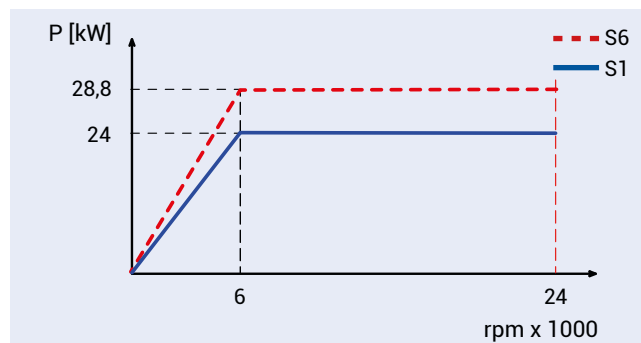
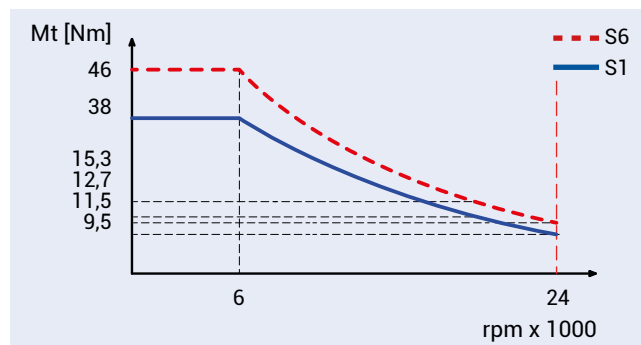
(*) With ES789 25kW

(**) With ES793 15kW

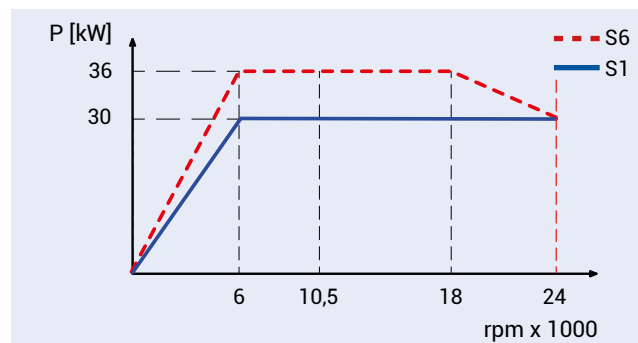
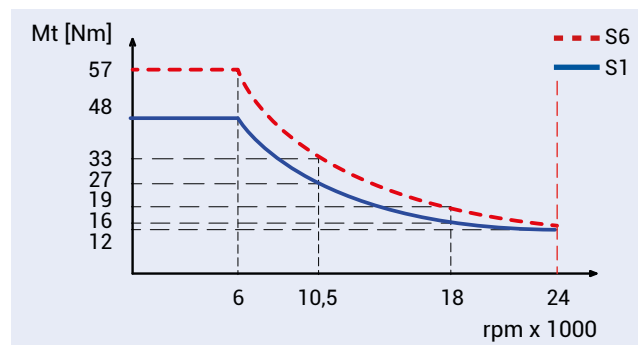
ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

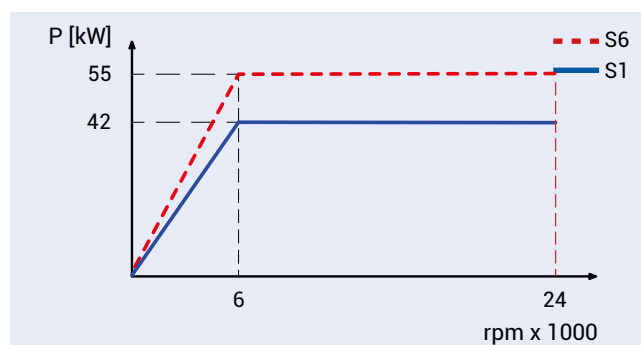
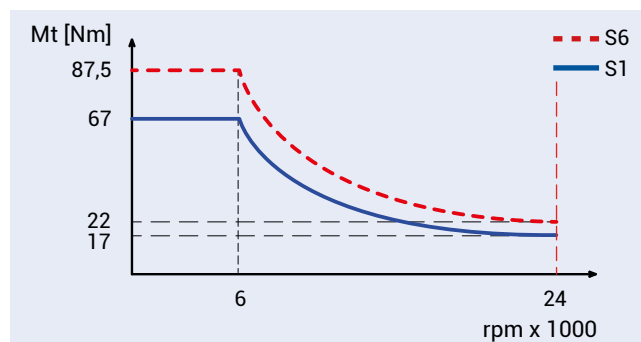
ES510 24kW 380V - 400V



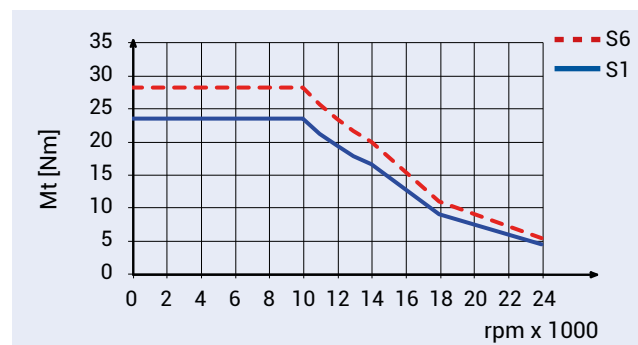
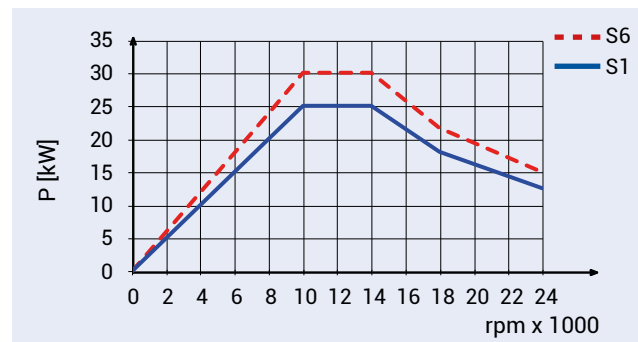
ES510 30kW 380V - 400V



ES510 42kW 380V - 400V



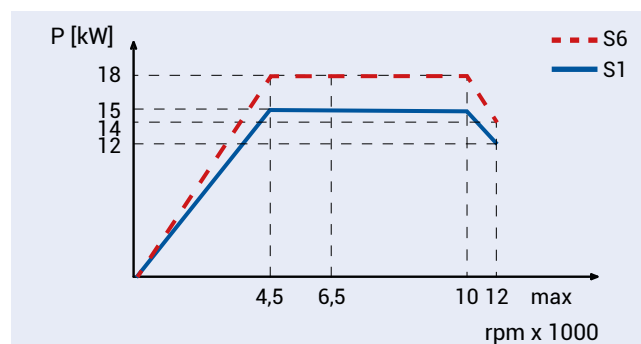
ES789 25kW 380V



ES COMPATIBILITY

DIAGRAMS - POWER & TORQUE

ES793 15kW - 12.000 rpm 380V



SEE THE DEDICATED
SHEET FOR
ELECTROSPINDLES:



ES5
LINE



ES7
LINE