

## Technical data

		DS100	DS200	DS250	DZS 125 DZS 125-2	DZS 200 DZS 200-2	DZS 250 DZS 250-2	DZS 315 DZS 315-2	DZS 400 DZS 400-2
suitable for combination of various machining methods		conditional	conditional	conditional	yes	yes	yes	yes	yes
<b>Machining area</b>									
Swing diameter	mm	280	280	280	320	320	440	440	580
Chuck Ø, standard	mm	210	210	250	125	210	250	315	400
X-axis (horizontal)	mm	300	300	300	720 / 1,520 / 2,320				
Z-axis (vertical)	mm	300	300	300	300	300	400	400	500
Y-axis (optional)	mm	-	-	-	+/- 40	+/- 40	+/- 60	+/- 60	+/- 80
<b>Feed drives</b>									
Ball screw Ø X	mm	40	40	40	linear drives				
Ball screw Ø Z	mm	40	40	40	32	32	50	50	63
Rapid traverse X-axis	m/min	30	30	30	80	80	100	100	60
Rapid traverse Z-axis ( optional )	m/min	30 ( 60 )	30 ( 60 )	30 ( 60 )	60	60	45	45	30
<b>Direct driven motor spindle</b>									
Spindle head with short taper	size	A5	A5	A6	A5	A6	A6 (A8)	A8	A11
Rated power, 100% duty cycle	kW	10	16,5	28,3	25,8	31	28,3	49	64
Rated torque, 100% duty cycle	Nm	64	105	300	60	130	300	585	700
Maximum speed (optional) rpm	U/min	5,000 ( 8,000 )	5,000 ( 6,000 )	3,500 ( 5,000 )	4,000 ( 8,000 )	3,500 ( 6,000 )	3,500 ( 5,000 )	3,500 ( 4,000 )	2,000 ( 3,000 )
Diameter of the front bearing	mm	90	90	120	90	90	120	140	180
<b>Control system</b>									
Type		SIEMENS Si 840 D solution line							
<b>Tool carrier</b>									
Star-type turret	place	12	12	12	12	12	12	12	12
Driven tools		optional	optional	optional	optional	optional	optional	optional	optional
Cylindrical shank adapter ( optional )	mm	30	40	40	30	30	40 ( 50 )	40 ( 50 )	50
add. block tools possible		-	-	-	yes	yes	yes	yes	yes
Separate tool spindle possible		-	-	-	yes	yes	yes	yes	yes
<b>weight ca.</b>	kg	5,500	6,000	6,500	6,500 10,000	6,700 10,400	12,000 15,000	12,300 15,600	20,100 24,000

\*) turning - milling, grinding, skiving, engraving and so on