





Table 18.1 spindle speed and work capacity

handle position at high and low speed	control button										efficiency	allowed load of spindle						the weakest link	
		forward			forward			reverse				max.torque (N.m)			output power (kW)				
		n1	n2	n3	n1	n2	n3	n1	n2	n3		n1	n2	n3	n1	n2	n3		
 at low speed	black	4	3.15	2.5	4	3.15	2.5				0.19	12590	12590	12590	5.27	4.15	3.30	the max. torque of n3 should be less than n2.	
	green	5	4	3.15				5	4	3.15	0.24				6.59	5.27	4.15		
	black	6.3	5	4	6.3	5	4				0.30				8.31	6.59	5.27		
	green	8	6.3	5				8	6.3	5	0.38				10.55	8.31	6.59		
	black	10	8	6.3	10	8	6.3				0.48				13.19	10.55	8.31		
	green	12.5	10	8				12.5	10	8	0.6				16.48	13.19	10.55		
	black	16	12.5	10	16	12.5	10				0.75	9837	12590	12590	16.48	16.48	13.19		
	green	20	16	12.5				20	16	12.5	0.75	7869			9837	16.48	16.48		16.48
	black	25	20	16	25	20	16					6295			7869				
	green	31.5	25	20				31.5	25	20		4996			6295				
	black	40	31.5	25	40	31.5	25					3935			4996				
	green	50	40	31.5				50	40	31.5		3140			3935				
 at high speed	black	31.5	25	20	31.5	25	20					0.80	5336	6723	8404				
	green	40	31.5	25				40	31.5	25	4202		5336	6723					
	black	50	40	31.5	50	40	31.5				3362		4202	5336					
	green	63	50	40				63	50	40	2668		3362	4202					
	black	80	63	50	80	63	50				2101		2668	3362					
	green	100	80	63				100	80	63	1681		2101	2668					
	black	125	100	80	125	100	80				1345		1681	2101					
	green	160	125	100				160	125	100	1051		1345	1681					
	black	200	160	125	200	160	125				840		1051	1345					
	green	250	200	160				250	200	160	672		840	1051					
	black	315	250	200	315	250	200				534		672	840					
	green	400	315	250				400	315	250	420		534	672					