



TECHNICAL CHARACTERISTICS		HR 700	HR 800	HR 1.000	HR 1.200	HR 1.500
WORKING FIELD						
Ø Swing over upper slide	mm	720	820	1.020	1.220	1.520
Distance between points	mm	1.500-3.000	2.000-6.000	2.000-8.000	2.000-8.000	2.000-10.000
Maximum workpiece weight	kg	1.500	3.500	10.000	10.000/15.000	15.000/20.000
TURNING HEAD						
Main motor power 100%	kW	22+22/27+27/30+30	22+22/27+27/30+30	28+28/46+46	28+28/46+46/52+52	28+28/46+46/52+52
Maximum chuck speed	rpm	2.700	2.700/1.680	1.650/1.260	1.650/1.260	1.260
Maximum torque 100 % up to	Nm	2.465/3.025/3.360	3.340/5.400	7.700/11.130	7.700/12.575	12.575
Ø standard chuck	mm	315/400/500	315/400/500/630	500/630/800	500/630/800/1.000	500/630/800/1.200
Ø front bearing	mm	160	160	260	260/320	320
Ø spindle pass	mm	115	100	185	185/250	250
Spindle nose (DIN 55026)		A11	A11	A15	A15	A15/B20
C AXIS						
Maximum speed	rpm	80	80	40	40	40
Maximum torque up to	Nm	2.520	4.000	8.350	9.400	9.400
MILLING HEAD						
Milling motor power	kW	27/34/42	27/30	27/30/46/52	27/30/46/52	46/52
Tool speed	rpm	10.000	5.000	5.000/3.000	5.000/3.000	3.000
Maximum torque S1 (100%)	Nm	130/170/201	261/291	261/291/630/712	261/291/630/712	630/712
Tool housing		HSK-A63/Capto C6	HSK-A63/Capto C6	HSK-A63/Capto C6 HSK-A100/Capto C8	HSK-A63/Capto C6 HSK-A100/Capto C8	HSK-A100/Capto C8
Ø front bearing	mm	100	100	100/130	100/130	130
Maximum pressure inner coolant	bar	70	70	70	70	70
B AXIS						
Maximum speed	rpm	16	16	16	16	16
Maximum torque	Nm	1.780	1.780	1.780 / 2.430	1.780 / 2.430	2.430
Hirth positioning division	degrees	2,5	2,5	2,5 / 1	1	1
Minimum programmable angle	degrees	0,001	0,001	0,001	0,001	0,001
Angle course	degrees	-110 / +110	-110 / +90	-110 / +90	-110 / +90	-110 / +90
X AXIS						
X axis speed	m/min	40	40	40	40	40
Maximum feeding force	daN	1.400	1.305 / 2.700	1.305 / 2.700/3.900	1.305 / 2.700/3.900	2.700/3.900
X axis course	mm	880	930	1.130	1.230	1.330
Y AXIS						
Y axis speed	mm/min	24	40	40	40	40
Maximum feeding force	daN	1.400	1.450	1.450 / 2.850	1.450 / 2.850	2.850
Y axis course	mm	400	400 / 550	550	550/660	830
Z AXIS						
Z axis speed	mm/min	40	40	30	30	30
Maximum feeding force	daN	1.480	1.200 / 2.880	2.880	2.880 / 4.190	2.880 / 4.190
TAILSTOCK						
Ø shaft	mm	120	180	260	260/320	320
Shaft course	mm	150	200	250	250/280	280
TOOLS CHANGER						
Capacity	Number of tools	40/60/80/120 acc. customer				
NUMERIC CONTROL						
Numeric control		Siemens 840D SL				