

G220 Long version

*Turn-mill center for high productivity
and flexibility*

INDEX

NEW!
INDEX G220
with a
turning length
of 1,200 mm



better.parts.faster.

Technical data

INDEX G220

Work area			
Turning length	mm	1,200	
Main spindle and counter spindle			
Spindle clearance	mm	76	90
Spindle nose ISO 702/1		A6	A8
• Max. speed	rpm	6,000	4,000
• Drive power (100%/40% DC)	kW	33 / 35	40 / 50
• Torque (100%/40% DC)	Nm	150 / 190	230 / 310
Chuck diameter	mm	160 (max. 230)	260
C axis resolution	degrees	0.001	0.001
Upper tool carrier		Motor milling spindle	
Kinematics		XYZB	
Tooling system		HSK-T63 // HSK-T40	
Number of stations		52 (103) // 70 (139)	
• Max. speed	rpm	12,000 // 18,000	
• Drive power (25% DC)	kW	16 // 11	
• Torque (25% DC)	Nm	72 // 30	
X slide travel, rapid traverse rate, feed force	mm / m/min / N	490 / 30 / 6,000	
Y slide travel, rapid traverse rate, feed force	mm / m/min / N	+90/-60 / 20 / 9,000	
Z slide travel, rapid traverse rate, feed force	mm / m/min / N	1,210 / 50 / 6,000	
B axis swivel range, rapid traverse rate	degrees/rpm	-25 / +205 (+/- 115) / 50	
Lower tool carrier, left/right		Turret XYZ	
Tooling system DIN ISO 10889		VDI25 // VDI30	
Number of stations (live)		15 // 12	
• Max. speed	rpm	7500	
• Drive power (25% DC)	kW	9	
• Torque (25% DC)	Nm	20	
X slide travel, rapid traverse rate, feed force	mm / m/min / N	180 / 30 / 6,000	
Y slide travel, rapid traverse rate, feed force	mm / m/min / N	+/-50 / 20 / 9,000	
Z slide travel, rapid traverse rate, feed force	mm / m/min / N	1,280 / 50 / 6,000	
Tool magazine			
Tooling system		HSK-T63 / HSK-T40	
Tool magazine locations		(1 chain/2 chains)	52 (103) / 70 (139)
Max. tool weight		kg	5/4
Max. tool diameter		mm	100
Max. tool length		mm	300
Max. tilting torque		Nm	8/3
Turret steady rest (optional)			
Turret steady rest top clamping range		mm	
Turret steady rest bottom clamping range		mm	6-70
Workpiece handling unit for single gripper			
Max. workpiece weight		kg	7,5
Max. workpiece diameter		mm	76
Max. workpiece length		mm	250
Workpiece handling unit for double gripper, shaft/flange (optional)			
Max. workpiece weight, flange/shaft		kg	2x10 / 2x10
Max. workpiece diameter, flange/shaft		mm	230/90
Max. workpiece length, flange/shaft		mm	up to Ø 125, max. length: 250 Ø 125 – Ø 230, max. length: 100/500
General data			
Length x width x height		mm	3,910 x 2,775 x 2,520
Weight		t	16.5
Connected power		kW	71
Control			Siemens S840D sl