

FORKARDT®

FORKARDT.COM



3FNC+

POWER CHUCK WITH QUICK JAW CHANGE

FORKARDT®

3FNC+

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The universally applicable 3FNC+ power chucks are among the most efficient and flexible chucks of the FORKARDT product range. The quick jaw change system is their unique advantage.

Frequent retooling of the chuck jaws in small batch production with minimum setup times becomes possible and therefore remains extremely economical. The large thru-hole also makes the chuck optimized for bar machining. The low weight of the chuck consumes less energy during acceleration and deceleration of the spindle, saving resources while protecting the environment.

The speed plus for your production: FORKARDT 3FNC+ chucks have the shortest clamping times due to the short piston stroke, while also providing industry leading jaw stroke. The proven wedge-hook profile ensures higher clamping forces and optimum efficiency at high speeds with high clamping accuracy. Due to the six chuck mounting screws, the clamping device is better protected against clamping errors caused by flexing. Additional lubrication channels in the chuck ensure that each stroke of grease is used optimally and goes where the lubrication is needed.

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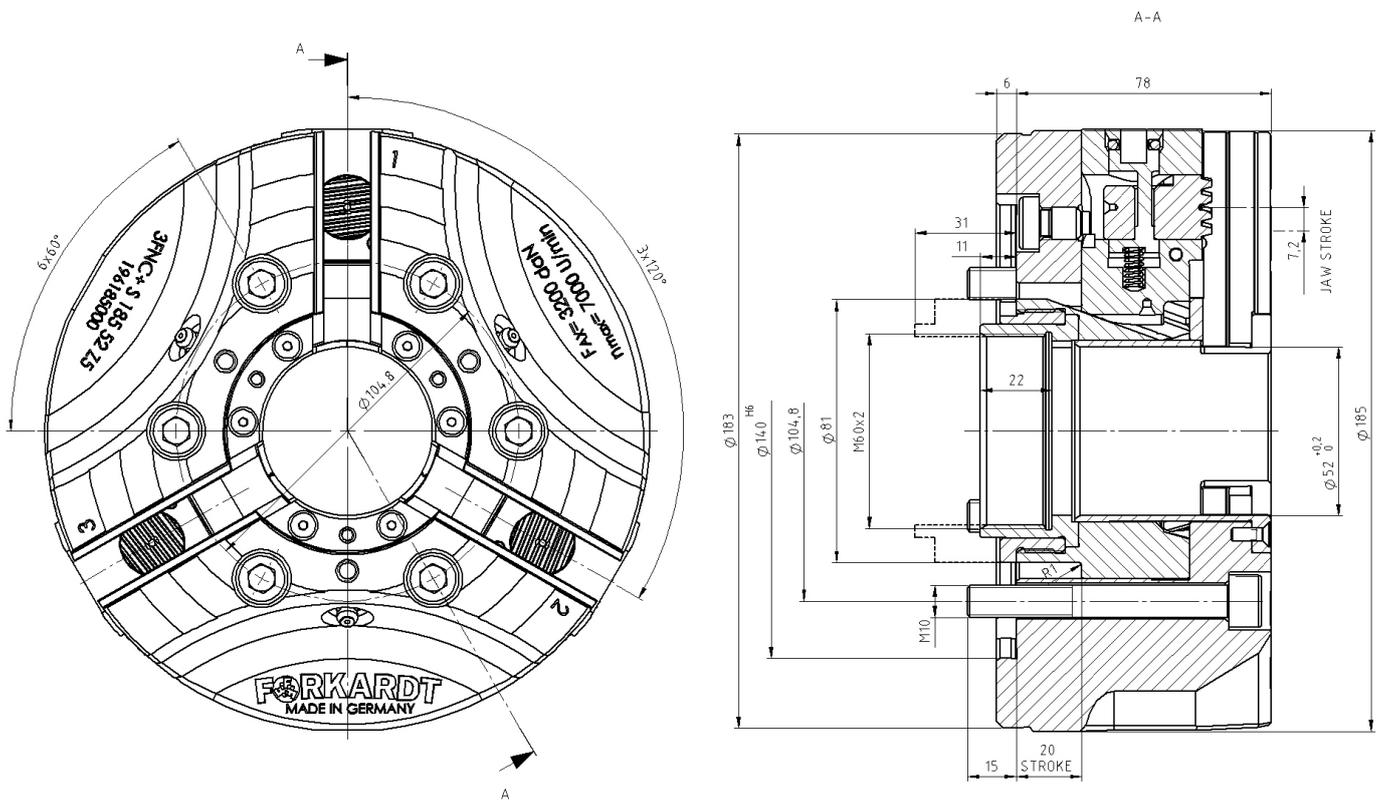
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MORE INFORMATION AT: WWW.FORKARDT.COM

Since we are constantly working on improving our products, the dimensions and data in this publication may not always correspond to the latest versions. Current data can be found on our website.

FORKARDT® | 3FNC+S 185-52

POWER CHUCK WITH QUICK JAW CHANGE

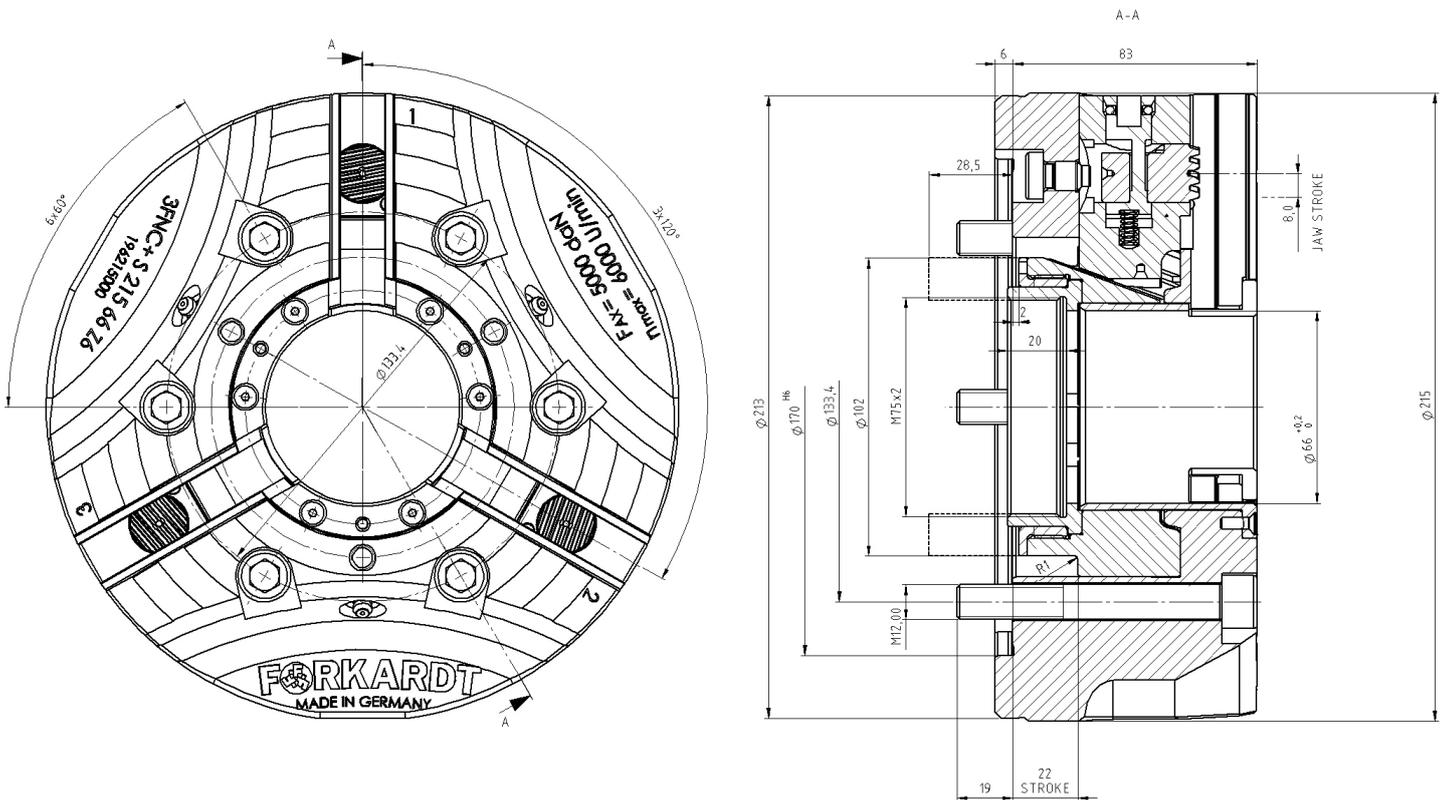


PERFORMANCE DATA

Max. Speed	rpm	7.000
Max. clamping force	daN	6.000
Max. actuating force	daN	3.200
Weight	kg	11
Jaw stroke	mm	7,2
Serration	angled serrated	

FORKARDT® | 3FNC+S 215-66

POWER CHUCK WITH QUICK JAW CHANGE

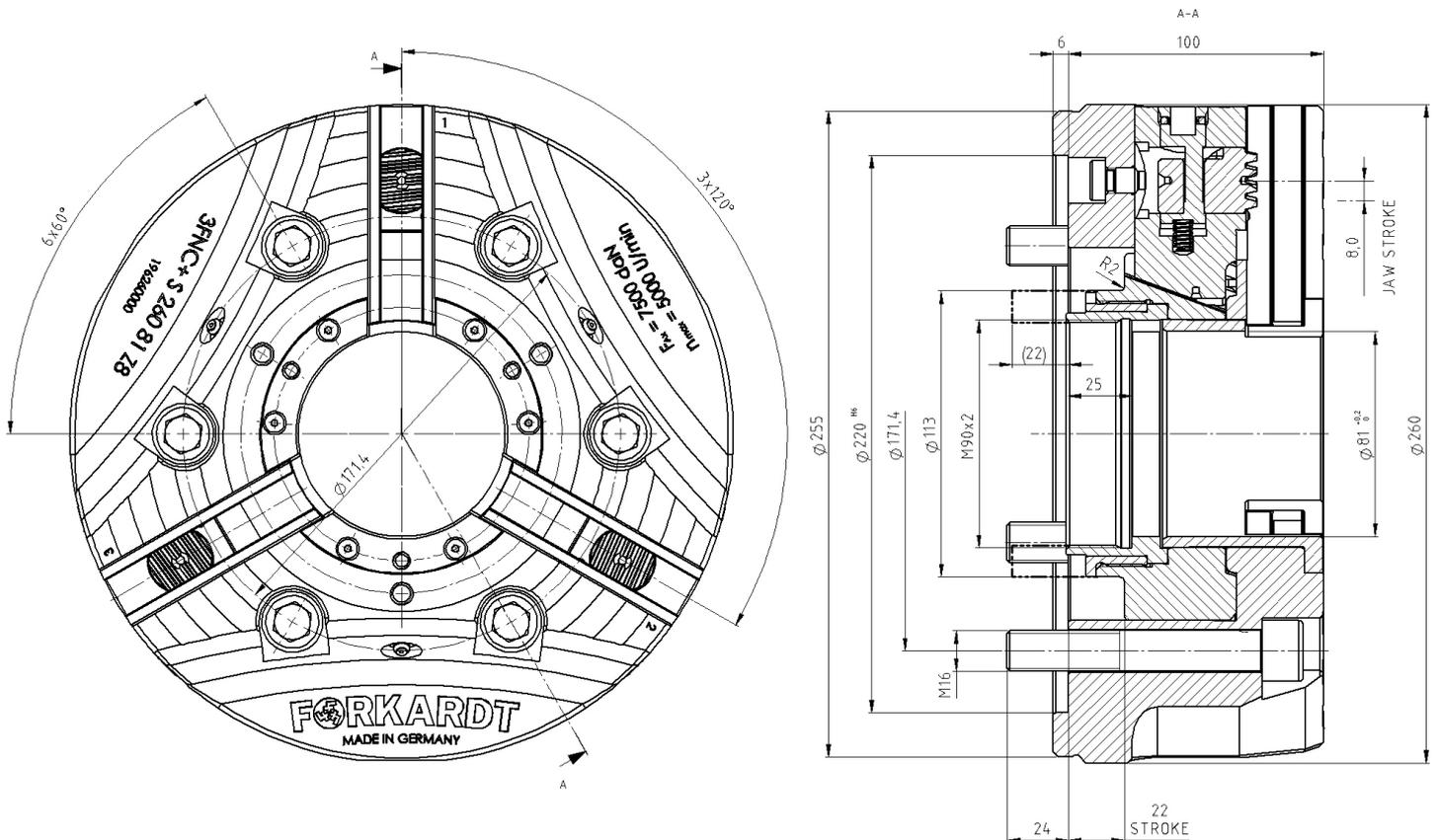


PERFORMANCE DATA

Max. speed	rpm	6.000
Max. clamping force	daN	9.000
Max. actuating force	daN	5.000
Weight	kg	15.4
Jaw Stroke	mm	8
Serration	angled serrated	

FORKARDT® | 3FNC+S 260-81

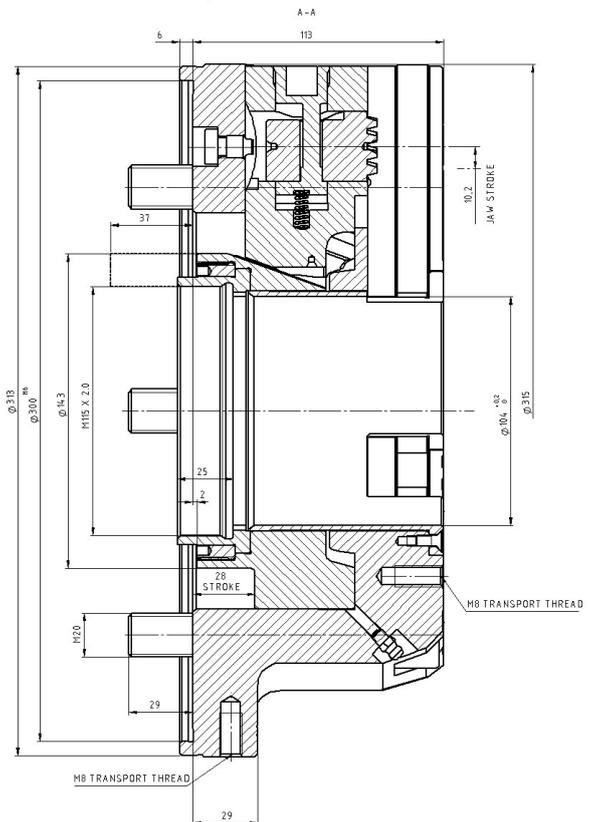
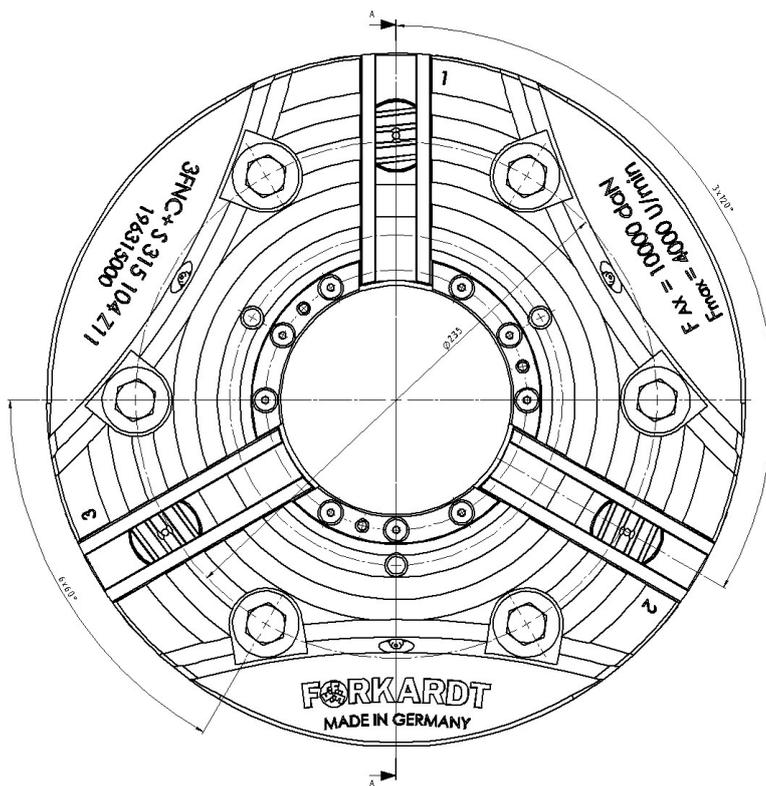
POWER CHUCK WITH QUICK JAW CHANGE



PERFORMANCE DATA

Max. speed	rpm	5.000
Max. clamping force	daN	13.500
Max. actuating force	daN	7.500
Weight	kg	25
Jaw stroke	mm	8
Serration	angled serrated	

POWER CHUCK WITH QUICK JAW CHANGE

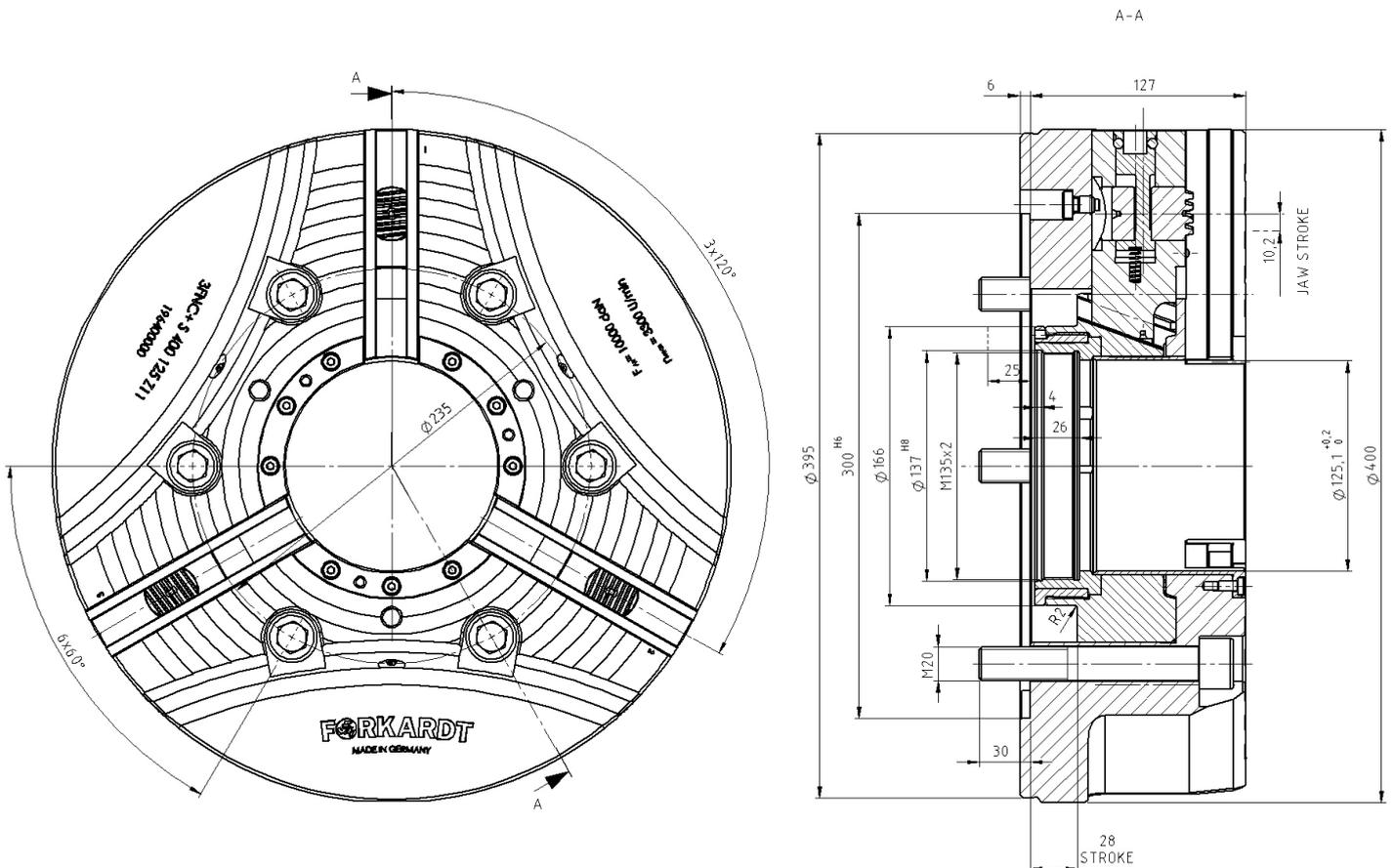


PERFORMANCE DATA

Max. speed	rpm	4.000
Max. clamping force	daN	18.500
Max. actuating force	daN	10.000
Weight	kg	44,4
Jaw stroke	mm	10,2
Serration	angled serrated	

FORKARDT® | 3FNC+S 400-125

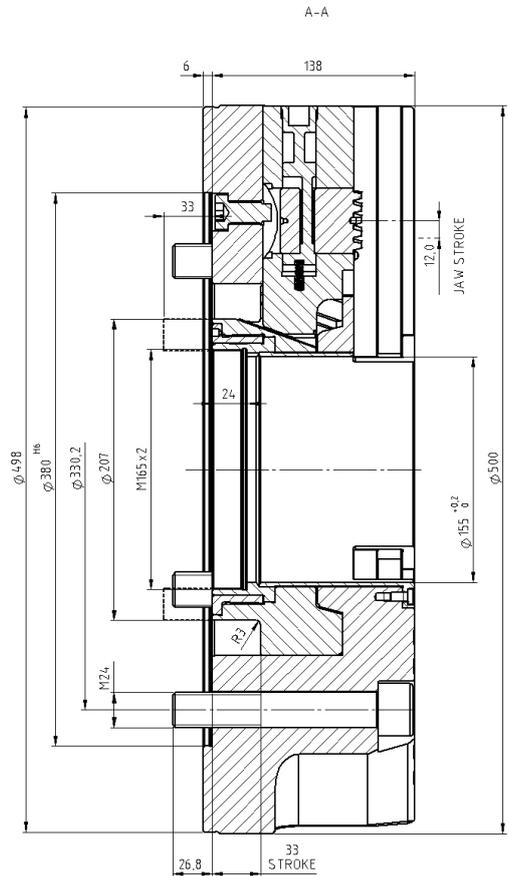
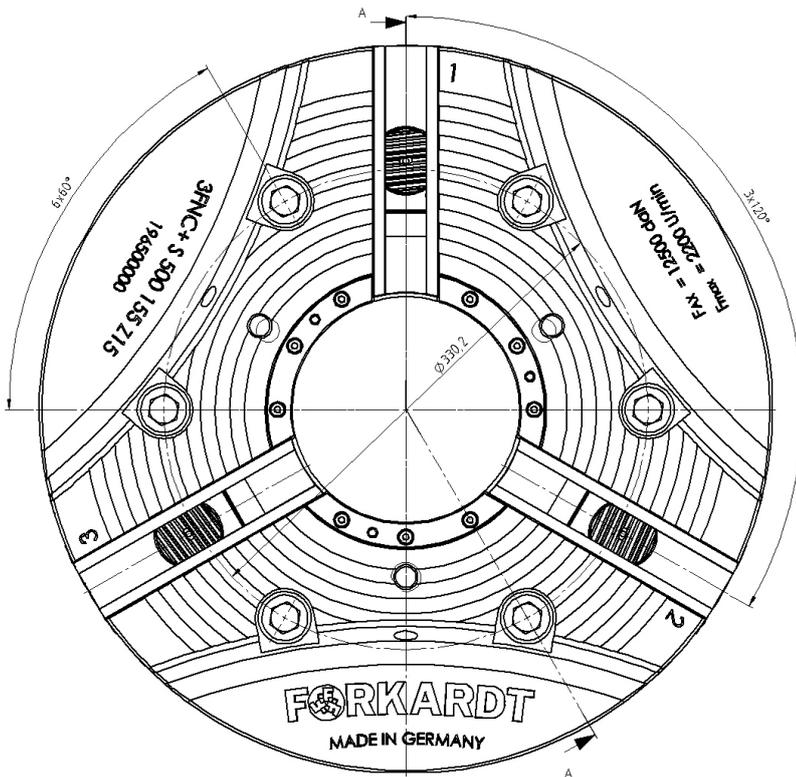
POWER CHUCK WITH QUICK JAW CHANGE



PERFORMANCE DATA

Max. speed	rpm	3.500
Max. clamping force	daN	24.000
Max. actuating force	daN	12.000
Weight	kg	72,9
Jaw stroke	mm	10,2
Serration	angled serrated	

POWER CHUCK WITH QUICK JAW CHANGE



PERFORMANCE DATA

Max. speed	rpm	2.200
Max. clamping force	daN	25.000
Max. actuating force	daN	12.500
Weight	kg	135
Jaw stroke	mm	12, 0
Serration	angled serrated	

CYL. FASTENING DIN 6350

CHUCK	WITHOUT BASE- AND TOP JAWS	WITH ONE-PIECE HARD STEPPED JAWS (FSTB)	WITH BASE- AND HARD TOP JAWS (FGB + FHB)
3FNC+S 185 Z140	DI96185000	DI96185979	DI96185978
3FNC+S 215 Z170	DI96215000	DI96215979	DI96215978
3FNC+S 260 Z220	DI96260000	DI96260979	DI96260978
3FNC+S 315 Z300	DI96315000	DI96315979	DI96315978
3FNC+S 400 Z300	DI96400000	DI96400979	DI96400978
3FNC+S 500 Z380	DI96500000	DI96500979	DI96500978
3FNC+S 630 Z380	DI96630000	DI96630979	DI96630978

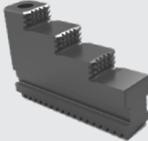
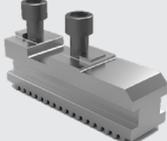
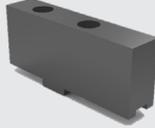
SHORT TAPER DIN 55026

For mounting on a spindle according to DIN 55026 you also need a flange with the required taper size.



CHUCK	K5	K6	K8	K11	K15
3FNC+S 185	DI96185K05	DI96185K06	-	-	-
3FNC+S 215	-	DI96215K06	DI96215K08	-	-
3FNC+S 260	-	-	DI96260K08	-	-
3FNC+S 315	-	-	DI96315K08	DI96315K11	-
3FNC+S 400	-	-	DI96400K08	DI96400K11	-
3FNC+S 500	-	-	-	DI96500K11	DI96500K15
3FNC+S 630	-	-	-	DI96500K11	DI96500K15

FORKARDT® JAWS

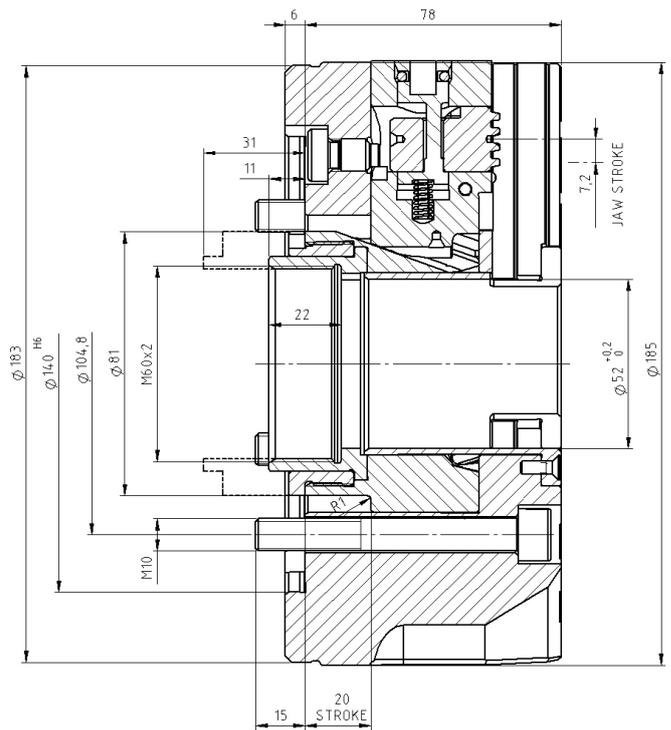
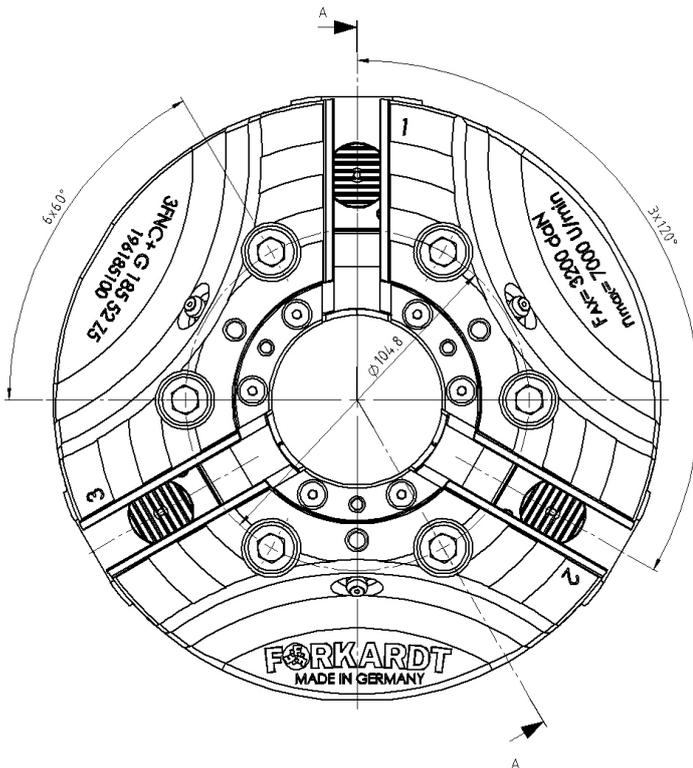
CHUCK	 FSTB	 FGB	 FHB	 FWB	 FMB
3FNC+S 185	FSTB 160 DI070016633	FGB 160 DI80567000	FHB 160 DI070016624	FWB 160 DI070016525	FMB 160 DI070016734
3FNC+S 215	FSTB 200 DI070021633	FGB 200 DI80577000	FHB 200 DI070021624	FWB 200 DI070021525	FMB 200 DI070021734
3FNC+S 260	FSTB 250 DI070026533	FGB 250 DI80588000	FHB 250 DI070026524	FWB 250 DI070026425	FMB 250 DI070026034
3FNC+S 315	FSTB 315 DI070033533	FGB 315 DI80596000	FHB 315 DI070033524	FWB 315 DI070033425	FMB 315 DI070033034
3FNC+S 400	FSTB 315 DI070033533	FGB 315 DI80596000	FHB 315 DI070033524	FWB 315 DI070033425	FMB 315 DI070033034
3FNC+S 500	FSTB 400 DI070038533	FGB 400 DI80609000	FHB 400 DI070038524	FWB 400 DI070038425	FMB 400 DI070038034
3FNC+S 630	FSTB 400 DI070038533	FGB 400 DI80609000	FHB 400 DI070038524	FWB 400 DI070038425	FMB 400 DI070038034



CHUCK	JAW CHANGE KEY
3FNC+S 185	DI96215010
3FNC+S 215	DI95215010
3FNC+S 260	DI96260010
3FNC+S 315	DI96315010
3FNC+S 400	DI96315010
3FNC+S 500	DI96315010
3FNC+S 630	DI96315010

FORKARDT® | 3FNC+G 185-52

POWER CHUCK WITH QUICK JAW CHANGE

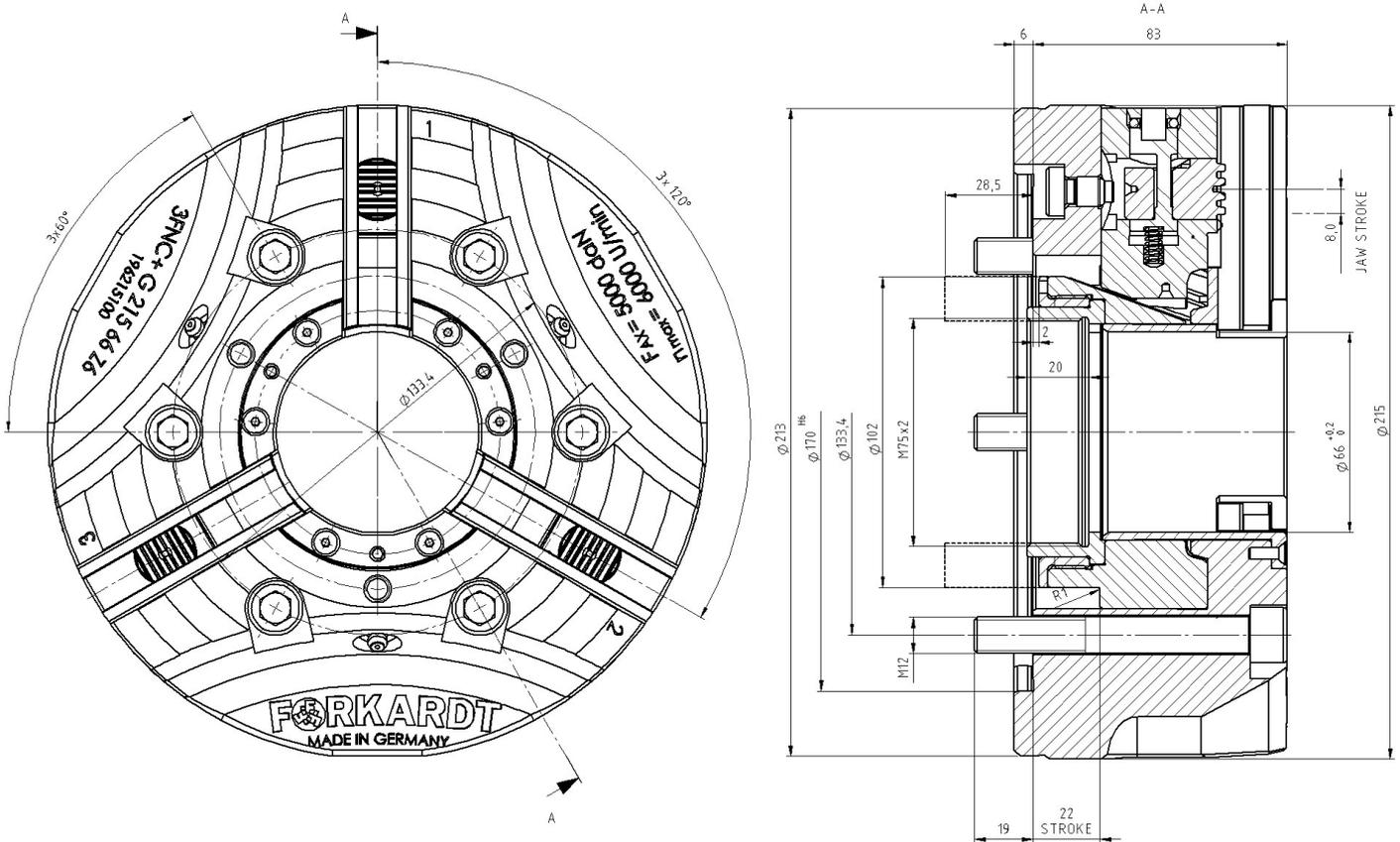


PERFORMANCE DATA

Max. speed	rpm	7.000
Max. clamping force	daN	6.000
Max. actuating force	daN	3.200
Weight	kg	11
Jaw Stroke	mm	7,2
Serration	straight serrated	

FORKARDT® | 3FNC+G 215-66

POWER CHUCK WITH QUICK JAW CHANGE

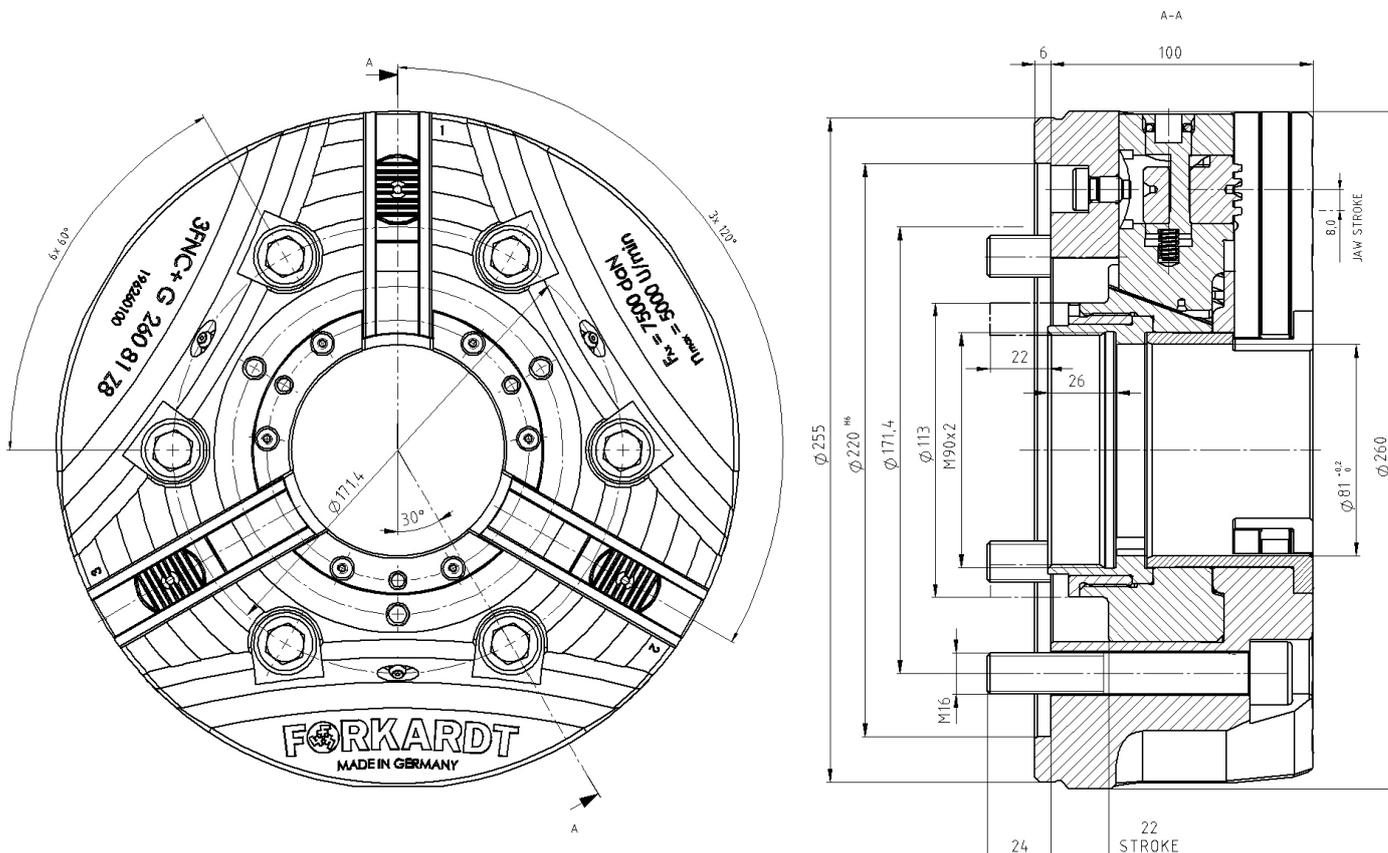


PERFORMANCE DATA

Max. speed	rpm	6.000
Max. clamping force	daN	9.000
Max. actuating force	daN	5.000
Weight	kg	15,6
Jaw stroke	mm	8
Serration	straight serrated	

FORKARDT® | 3FNC+G 260-81

POWER CHUCK WITH QUICK JAW CHANGE

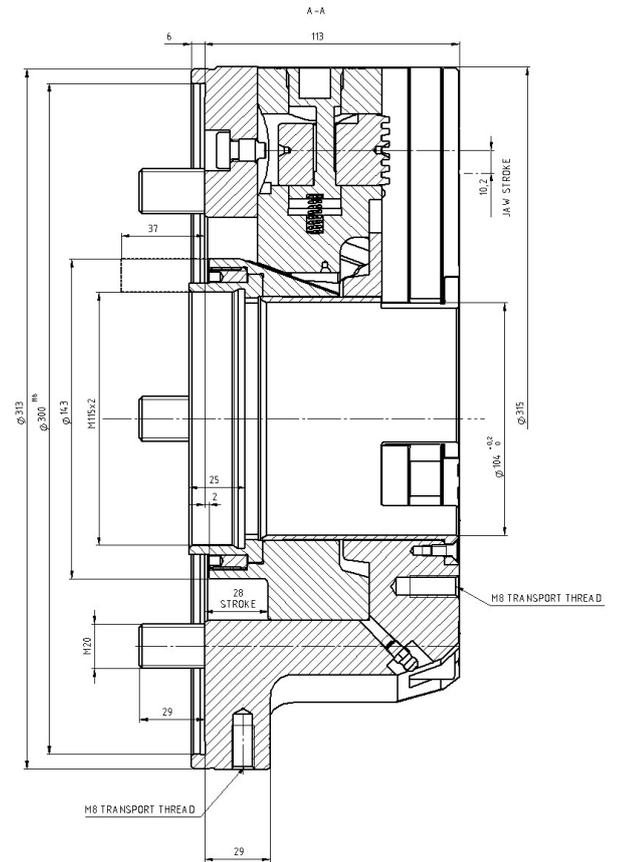
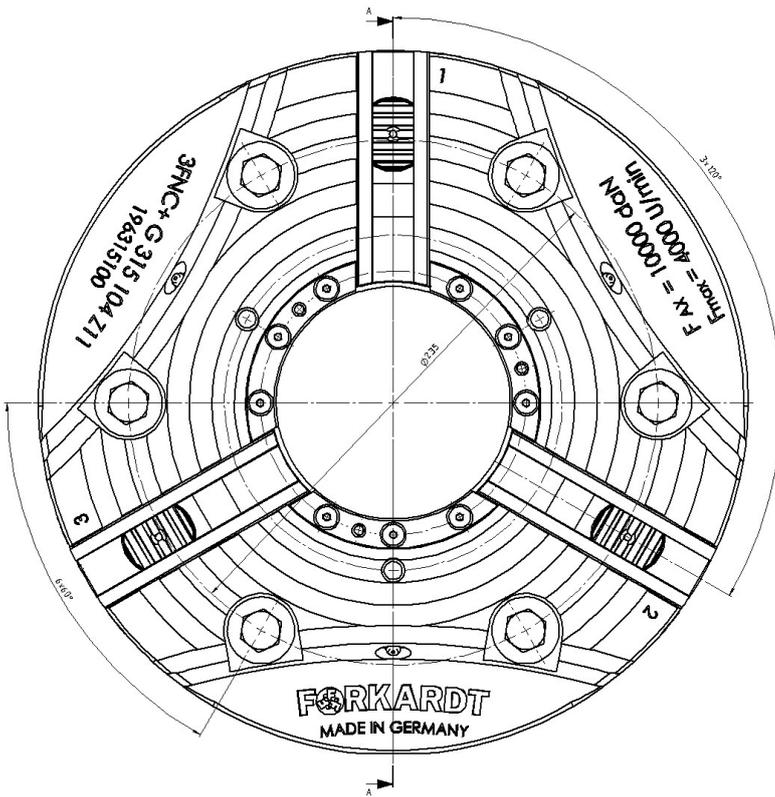


PERFORMANCE DATA

Max. speed	rpm	5.000
Max. clamping force	daN	13.500
Max. actuating force	daN	7.500
Weight	kg	25
Jaw stroke	mm	8
Serration	straight serrated	

FORKARDT® | 3FNC+G 315-104

POWER CHUCK WITH QUICK JAW CHANGE

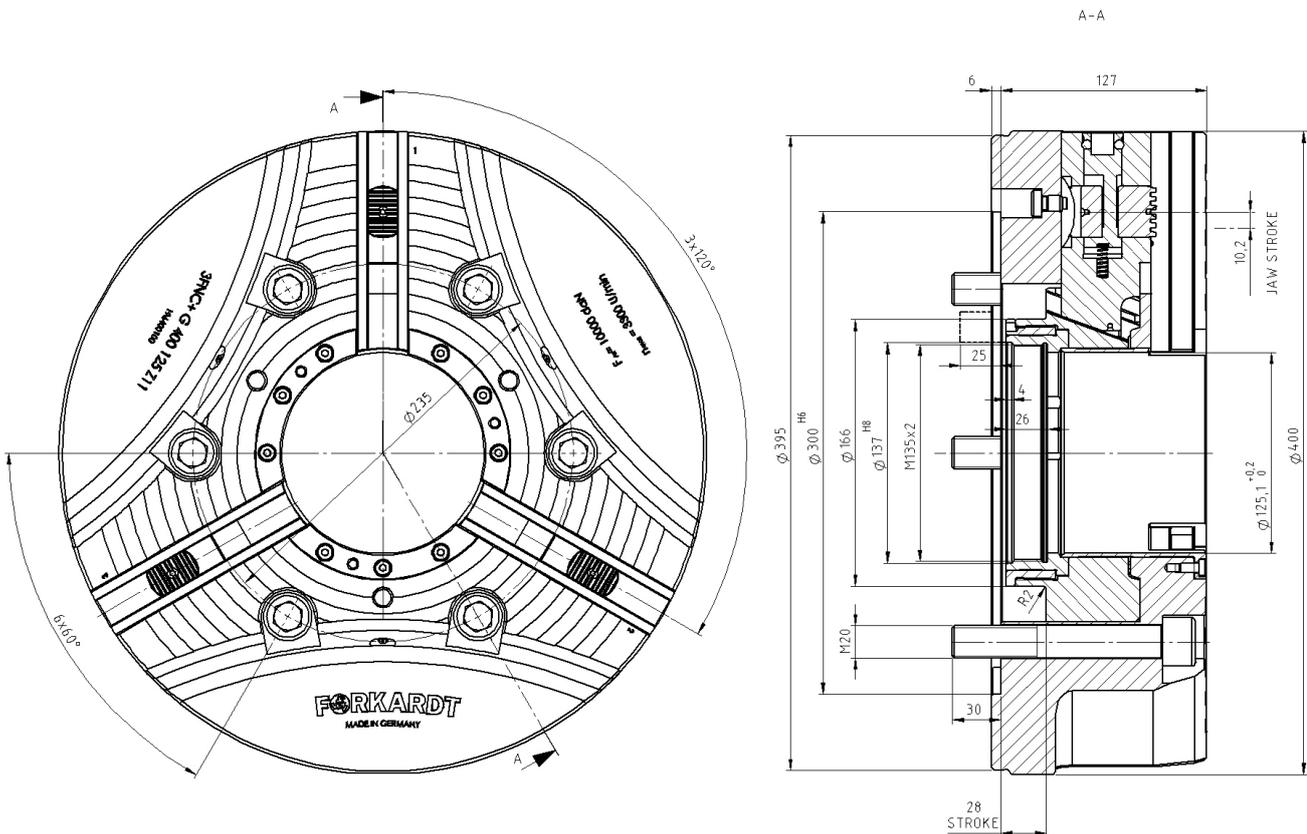


PERFORMANCE DATA

Max. speed	rpm	4.000
Max. clamping force	daN	18.700
Max. actuating force	daN	10.000
Weight	kg	49,7
Jaw Stroke	mm	10,2
Serration	straight serrated	

FORKARDT® | 3FNC+G 400-125

POWER CHUCK WITH QUICK JAW CHANGE

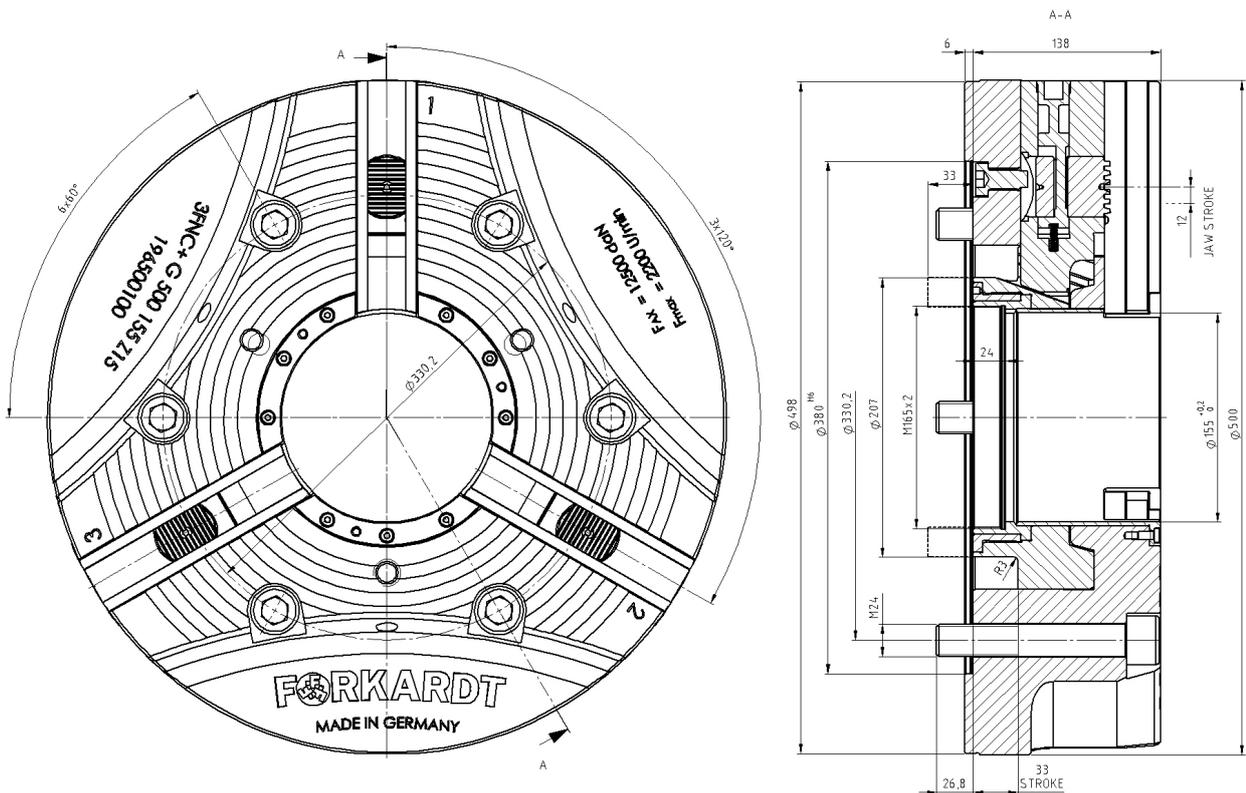


PERFORMANCE DATA

Max. speed	rpm	3.300
Max. clamping force	daN	24.000
Max. actuating force	daN	12.000
Weight	kg	79,7
Jaw Stroke	mm	10,2
Serration	straight serrated	

FORKARDT® | 3FNC+G 500-155

POWER CHUCK WITH QUICK JAW CHANGE

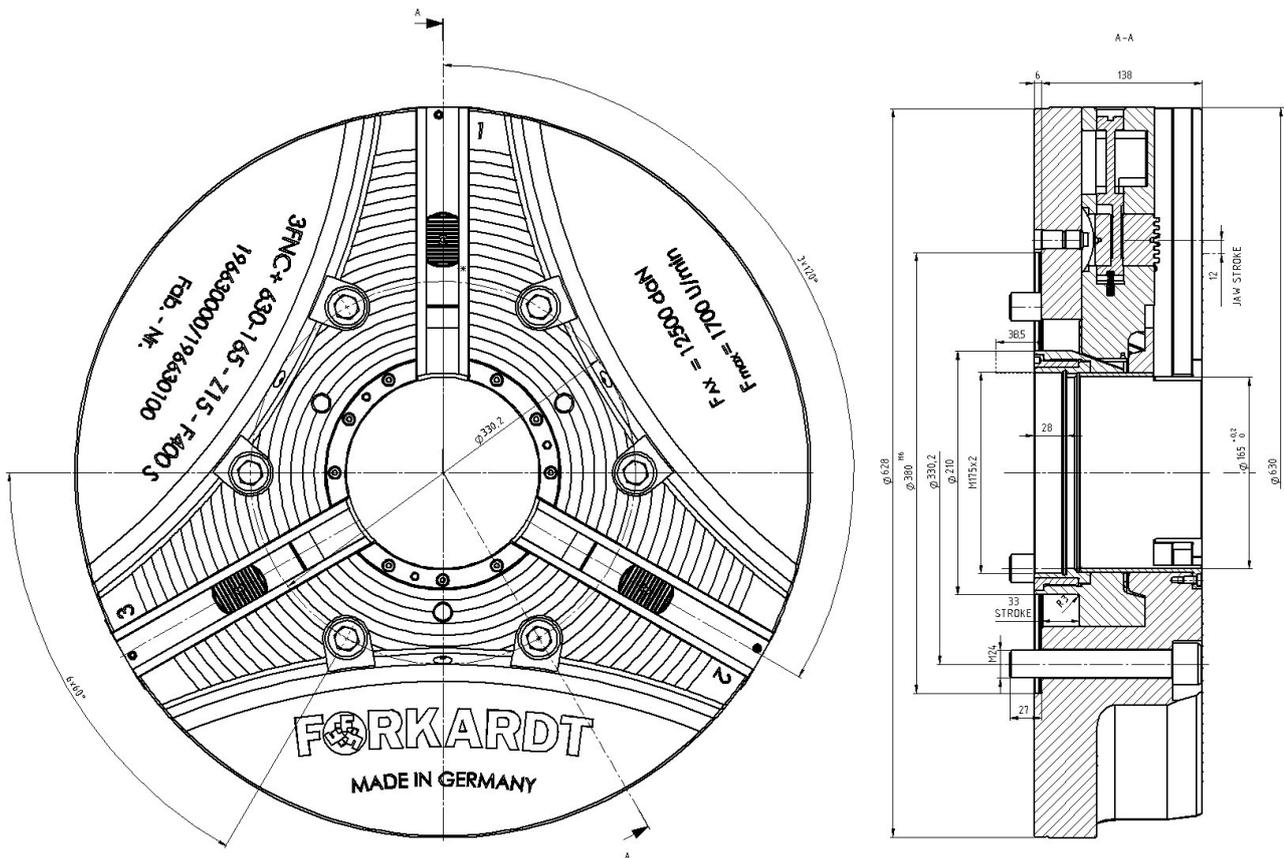


PERFORMANCE DATA

Max. speed	rpm	2.200
Max. clamping force	daN	25.000
Max. actuating force	daN	12.500
Weight	kg	135
Jaw stroke	mm	12,1
Serration	straight serrated	

FORKARDT® | 3FNC+G 630-165

POWER CHUCK WITH QUICK JAW CHANGE



PERFORMANCE DATA

Max. speed	rpm	1.700
Max. clamping force	daN	25.000
Max. actuating force	daN	12.500
Weight	kg	197
Jaw Stroke	mm	12
Serration	straight serrated	

CYL. FASTENING DIN 6350

CHUCK	WITHOUT BASE- AND TOP JAWS	WITH ONE-PIECE HARD STEPPED JAWS (FSTB)	WITH BASE- AND HARD TOP JAWS (FGB + FHB))
3FNC+G 185 Z140	DI96185100	DI96185179	DI96185178
3FNC+G 215 Z170	DI96215100	DI96215179	DI96215178
3FNC+G 260 Z220	DI96260100	DI96260179	DI96260178
3FNC+G 315 Z300	DI96315100	DI96315179	DI96315178
3FNC+G 400 Z300	DI96400100	DI96400179	DI96400178
3FNC+G 500 Z380	DI96500100	DI96500179	DI96500178
3FNC+G 630 Z380	DI96630100	DI96630179	DI96630178

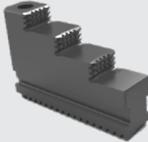
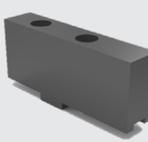
SHORT TAPER DIN 55026

For mounting on a spindle according to DIN 55026 you also need a flange with the required taper size.



CHUCK	K5	K6	K8	K11	K15
3FNC+G 185	DI96185K05	DI96185K06	-	-	-
3FNC+G 215	-	DI96215K06	DI96215K08	-	-
3FNC+G 260	-	-	DI96260K08	-	-
3FNC+G 315	-	-	DI96315K08	DI96315K11	-
3FNC+G 400	-	-	DI96400K08	DI96400K11	-
3FNC+G 500	-	-	-	DI96500K11	DI96500K15
3FNC+G 630	-	-	-	DI96500K11	DI96500K15

FORKARDT® CLAMPING JAWS

CHUCK	 GSTB	 GGB	 FHB	 FWB	 GMB
3FNC+G 185	GSTB 160 I DI070016432 GSTB 160 II DI070016433	GGB 160 DI80567400	FHB 160 DI070016624	FWB 160 DI070016525	GMB 160 DI070016434
3FNC+G 215	GSTB 215 DI070021433	GGB 215 DI80577400	FHB 200 DI070021624	FWB 200 DI070021525	GMB 215 DI070021434
3FNC+G 260	GSTB 260 DI070026433	GGB 260 DI80588400	FHB 250 DI070026524	FWB 250 DI070026425	GMB 260 DI070026434
3FNC+G 315	GSTB 315 DI070033433	GGB 315 DI80596400	FHB 250 DI070026524	FWB 250 DI070026425	GMB 315 DI070033434
3FNC+G 400	GSTB 400 DI070038433	GGB 400 DI80606400	FHB 315 DI070033524	FWB 315 DI070033425	GMB 400 DI070038434
3FNC+G 500	GSTB 500-630 DI070039533	GGB 500 DI80609400	FHB 400 DI070038524	FWB 400 DI070038425	GMB 500 DI070039434
3FNC+G 630	GSTB 500-630 DI070039433	GGB 630 DI80619400	FHB 400 DI070038524	FWB 400 DI070038425	GMB 630 DI070037434



FUTTER	JAW CHANGE KEY
3FNC+G 185	DI96215010
3FNC+G 215	DI95215010
3FNC+G 260	DI96260010
3FNC+G 315	DI96315010
3FNC+G 400	DI96315010
3FNC+G 500	DI96315010
3FNC+G 630	DI96315010

FORKARDT®

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○ Noisy-Le-Sec, France

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