

# GJET Operating Data

	Material	Process	Type	Cutting Tool dia.	Hardness	Pressure	Speed (n)	Ae (mm)	Ap (mm)	Fz (mm)
N	Al-Si 9%	Drilling	Drill	0.3	100-120 HB	20	33000	0.3	0.025	0.002
	Al-Si 9%	Drilling	Drill	0.3	100-120 HB	30	44000	0.3	0.027	0.002
	Al-Si 9%	Drilling	Drill	0.3	100-120 HB	40	55000	0.3	0.027	0.002
	Al-Si 9%	Drilling	Drill	0.5	100-120 HB	20	33000	0.5	0.05	0.002
	Al-Si 9%	Drilling	Drill	0.5	100-120 HB	30	44000	0.5	0.05	0.002
	Al-Si 9%	Drilling	Drill	0.5	100-120 HB	40	55000	0.5	0.1	0.002
	Al-Si 9%	Drilling	Drill	0.8	100-120 HB	20	33000	0.8	0.1	0.002
	Al-Si 9%	Drilling	Drill	0.8	100-120 HB	30	44000	0.8	0.15	0.002
	Al-Si 9%	Drilling	Drill	0.8	100-120 HB	40	55000	0.8	0.15	0.002
	Al-Si 9%	Drilling	Drill	1	100-120 HB	20	33000	1	0.3	0.003
	Al-Si 9%	Drilling	Drill	1	100-120 HB	30	44000	1	0.3	0.003
	Al-Si 9%	Drilling	Drill	1	100-120 HB	40	55000	1	0.3	0.003
	Al-Si 9%	Drilling	Drill	1.5	100-120 HB	20	33000	1.5	0.15	0.004
	Al-Si 9%	Drilling	Drill	1.5	100-120 HB	30	44000	1.5	0.2	0.004
	Al-Si 9%	Drilling	Drill	1.5	100-120 HB	40	55000	1.5	0.25	0.004
	Al-Si 9%	Drilling	Drill	2	100-120 HB	20	33000	2	0.2	0.004
	Al-Si 9%	Drilling	Drill	2	100-120 HB	30	44000	2	0.25	0.004
	Al-Si 9%	Drilling	Drill	2	100-120 HB	40	55000	2	0.3	0.004
	Al-Si 9%	Drilling	Drill	3	100-120 HB	20	33000	3	0.25	0.004
	Al-Si 9%	Drilling	Drill	3	100-120 HB	30	44000	3	0.3	0.004
	Al-Si 9%	Drilling	Drill	3	100-120 HB	40	55000	3	0.35	0.004
	Al-Si 9%	Drilling	Drill	4	100-120 HB	20	33000	4	0.2	0.005
	Al-Si 9%	Drilling	Drill	4	100-120 HB	30	44000	4	0.25	0.005
	Al-Si 9%	Drilling	Drill	4	100-120 HB	40	55000	4	0.25	0.005
	Al-Si 9%	Drilling	Drill	5	100-120 HB	20	33000	5	0.2	0.005
	Al-Si 9%	Drilling	Drill	5	100-120 HB	30	44000	5	0.2	0.005
	Al-Si 9%	Drilling	Drill	5	100-120 HB	40	55000	5	0.2	0.005
	Al-Si 9%	Drilling	Drill	6	100-120 HB	20	33000	6	0.3	0.005
	Al-Si 9%	Drilling	Drill	6	100-120 HB	30	44000	6	0.3	0.006
	Al-Si 9%	Drilling	Drill	6	100-120 HB	40	55000	6	0.3	0.006
	Al-Si 9%	Profile Milling	Ball Nose	0.5	100-120 HB	20	33000	0.06	0.05	0.008
	Al-Si 9%	Profile Milling	Ball Nose	0.5	100-120 HB	30	44000	0.06	0.05	0.01
	Al-Si 9%	Profile Milling	Ball Nose	0.5	100-120 HB	40	55000	0.07	0.13	0.012
	Al-Si 9%	Profile Milling	Ball Nose	0.8	100-120 HB	20	33000	0.06	0.05	0.008
	Al-Si 9%	Profile Milling	Ball Nose	0.8	100-120 HB	30	44000	0.06	0.05	0.01
	Al-Si 9%	Profile Milling	Ball Nose	0.8	100-120 HB	40	55000	0.07	0.13	0.012
	Al-Si 9%	Profile Milling	Ball Nose	1	100-120 HB	20	33000	0.1	0.075	0.004
	Al-Si 9%	Profile Milling	Ball Nose	1	100-120 HB	30	44000	0.1	0.075	0.004
	Al-Si 9%	Profile Milling	Ball Nose	1	100-120 HB	40	55000	0.11	0.15	0.004
	Al-Si 9%	Profile Milling	Ball Nose	1.5	100-120 HB	20	33000	0.12	0.08	0.006
	Al-Si 9%	Profile Milling	Ball Nose	1.5	100-120 HB	30	44000	0.13	0.09	0.006
	Al-Si 9%	Profile Milling	Ball Nose	1.5	100-120 HB	40	55000	0.15	0.15	0.006
	Al-Si 9%	Profile Milling	Ball Nose	2	100-120 HB	20	33000	0.15	0.05	0.003
	Al-Si 9%	Profile Milling	Ball Nose	2	100-120 HB	30	44000	0.16	0.05	0.003
	Al-Si 9%	Profile Milling	Ball Nose	2	100-120 HB	40	55000	0.2	0.13	0.003
	Al-Si 9%	Profile Milling	Ball Nose	2.5	100-120 HB	20	33000	0.15	0.05	0.003
	Al-Si 9%	Profile Milling	Ball Nose	2.5	100-120 HB	30	44000	0.16	0.05	0.003
	Al-Si 9%	Profile Milling	Ball Nose	2.5	100-120 HB	40	55000	0.25	0.13	0.003
	Al-Si 9%	Profile Milling	Ball Nose	3	100-120 HB	20	33000	0.22	0.075	0.004
	Al-Si 9%	Profile Milling	Ball Nose	3	100-120 HB	30	44000	0.25	0.075	0.004
	Al-Si 9%	Profile Milling	Ball Nose	3	100-120 HB	40	55000	0.25	0.15	0.004
	Al-Si 9%	Profile Milling	Ball Nose	4	100-120 HB	20	33000	0.2	0.08	0.006
	Al-Si 9%	Profile Milling	Ball Nose	4	100-120 HB	30	44000	0.25	0.09	0.006
	Al-Si 9%	Profile Milling	Ball Nose	4	100-120 HB	40	55000	0.27	0.15	0.006
	Al-Si 9%	Profile Milling	Ball Nose	5	100-120 HB	20	33000	0.25	0.075	0.004
	Al-Si 9%	Profile Milling	Ball Nose	5	100-120 HB	30	44000	0.26	0.075	0.004
	Al-Si 9%	Profile Milling	Ball Nose	5	100-120 HB	40	55000	0.28	0.15	0.004
	Al-Si 9%	Profile Milling	Ball Nose	6	100-120 HB	20	33000	0.23	0.08	0.006
	Al-Si 9%	Profile Milling	Ball Nose	6	100-120 HB	30	44000	0.25	0.09	0.006
	Al-Si 9%	Profile Milling	Ball Nose	6	100-120 HB	40	55000	0.25	0.15	0.006
	Al-Si 9%	Slot Milling	End-Mill	0.5	100-120 HB	20	33000	0.5	0.05	0.007
	Al-Si 9%	Slot Milling	End-Mill	0.5	100-120 HB	30	44000	0.5	0.05	0.007
	Al-Si 9%	Slot Milling	End-Mill	0.5	100-120 HB	40	55000	0.5	0.05	0.007
	Al-Si 9%	Slot Milling	End-Mill	0.8	100-120 HB	20	33000	0.8	0.08	0.008
	Al-Si 9%	Slot Milling	End-Mill	0.8	100-120 HB	30	44000	0.8	0.08	0.008
	Al-Si 9%	Slot Milling	End-Mill	0.8	100-120 HB	40	55000	0.8	0.08	0.008
	Al-Si 9%	Slot Milling	End-Mill	1	100-120 HB	20	33000	1	0.1	0.02
	Al-Si 9%	Slot Milling	End-Mill	1	100-120 HB	30	44000	1	0.1	0.02
	Al-Si 9%	Slot Milling	End-Mill	1	100-120 HB	40	55000	1	0.1	0.02
	Al-Si 9%	Slot Milling	End-Mill	1.5	100-120 HB	20	33000	1.5	0.15	0.02
	Al-Si 9%	Slot Milling	End-Mill	1.5	100-120 HB	30	44000	1.5	0.15	0.02
	Al-Si 9%	Slot Milling	End-Mill	1.5	100-120 HB	40	55000	1.5	0.15	0.02
	Al-Si 9%	Slot Milling	End-Mill	2	100-120 HB	20	33000	2	0.2	0.022
	Al-Si 9%	Slot Milling	End-Mill	2	100-120 HB	30	44000	2	0.2	0.022
	Al-Si 9%	Slot Milling	End-Mill	2	100-120 HB	40	55000	2	0.2	0.022
	Al-Si 9%	Slot Milling	End-Mill	2.5	100-120 HB	20	33000	2.5	0.25	0.025
	Al-Si 9%	Slot Milling	End-Mill	2.5	100-120 HB	30	44000	2.5	0.25	0.025
	Al-Si 9%	Slot Milling	End-Mill	2.5	100-120 HB	40	55000	2.5	0.25	0.025
	Al-Si 9%	Slot Milling	End-Mill	3	100-120 HB	20	33000	3	0.3	0.025
	Al-Si 9%	Slot Milling	End-Mill	3	100-120 HB	30	44000	3	0.3	0.025
	Al-Si 9%	Slot Milling	End-Mill	3	100-120 HB	40	55000	3	0.3	0.025
	Al-Si 9%	Slot Milling	End-Mill	3.5	100-120 HB	20	33000	3.5	0.25	0.025
	Al-Si 9%	Slot Milling	End-Mill	3.5	100-120 HB	30	44000	3.5	0.25	0.025
	Al-Si 9%	Slot Milling	End-Mill	3.5	100-120 HB	40	55000	3.5	0.25	0.025
	Al-Si 9%	Slot Milling	End-Mill	4	100-120 HB	20	33000	4	0.28	0.025
	Al-Si 9%	Slot Milling	End-Mill	4	100-120 HB	30	44000	4	0.28	0.025
	Al-Si 9%	Slot Milling	End-Mill	4	100-120 HB	40	55000	4	0.28	0.025
	Al-Si 9%	Slot Milling	End-Mill	4.5	100-120 HB	20	33000	4.5	0.32	0.025
	Al-Si 9%	Slot Milling	End-Mill	4.5	100-120 HB	30	44000	4.5	0.32	0.025
	Al-Si 9%	Slot Milling	End-Mill	4.5	100-120 HB	40	55000	4.5	0.32	0.025
	Al-Si 9%	Slot Milling	End-Mill	5	100-120 HB	20	33000	5	0.35	0.022
	Al-Si 9%	Slot Milling	End-Mill	5	100-120 HB	30	44000	5	0.35	0.022
	Al-Si 9%	Slot Milling	End-Mill	5	100-120 HB	40	55000	5	0.35	0.022
	Al-Si 9%	Slot Milling	End-Mill	5.5	100-120 HB	20	33000	5.5	0.39	0.022
	Al-Si 9%	Slot Milling	End-Mill	5.5	100-120 HB	30	44000	5.5	0.39	0.022
	Al-Si 9%	Slot Milling	End-Mill	5	100-120 HB	40	55000	5.5	0.39	0.022
	Al-Si 9%	Slot Milling	End-Mill	6	100-120 HB	20	33000	6	0.36	0.022
	Al-Si 9%	Slot Milling	End-Mill	6	100-120 HB	30	44000	6	0.36	0.022
	Al-Si 9%	Slot Milling	End-Mill	6	100-120 HB	40	55000	6	0.36	0.022
	Al-Si 9%	Shoulder Mill	End-Mill	1	100-120 HB	20	33000	0.3	0.1	0.015
Al-Si 9%	Shoulder Mill	End-Mill	1	100-120 HB	30	44000	0.3	0.15	0.017	
Al-Si 9%	Shoulder Mill	End-Mill	1	100-120 HB	40	55000	0.3	0.15	0.017	
Al-Si 9%	Shoulder Mill	End-Mill	2	100-120 HB	20	33000	0.6	0.1	0.015	
Al-Si 9%	Shoulder Mill	End-Mill	2	100-120 HB	30	44000	0.6	0.1	0.015	
Al-Si 9%	Shoulder Mill	End-Mill	2	100-120 HB	40	55000	0.6	0.1	0.018	
Al-Si 9%	Shoulder Mill	End-Mill	3	100-120 HB	20	33000	0.9	0.1	0.02	
Al-Si 9%	Shoulder Mill	End-Mill	3	100-120 HB	30	44000	0.9	0.15	0.02	
Al-Si 9%	Shoulder Mill	End-Mill	3	100-120 HB	40	55000	0.9	0.25	0.025	
Al-Si 9%	Shoulder Mill	End-Mill	4	100-120 HB	20	33000	1.2	0.1	0.015	
Al-Si 9%	Shoulder Mill	End-Mill	4	100-120 HB	30	44000	1.2	0.1	0.015	
Al-Si 9%	Shoulder Mill	End-Mill	4	100-120 HB	40	55000	1.2	0.1	0.015	
Al-Si 9%	Shoulder Mill	End-Mill	5	100-120 HB	20	33000	1.5	0.1	0.02	
Al-Si 9%	Shoulder Mill	End-Mill	5	100-120 HB	30	44000	1.5	0.13	0.02	
Al-Si 9%	Shoulder Mill	End-Mill	5	100-120 HB	40	55000	1.5	0.15	0.025	
Al-Si 9%	Shoulder Mill	End-Mill	6	100-120 HB	20	33000	1.8	0.1	0.02	
Al-Si 9%	Shoulder Mill	End-Mill	6	100-120 HB	30	44000	1.8	0.1	0.02	
Al-Si 9%	Shoulder Mill	End-Mill	6	100-120 HB	40	55000	1.8	0.1	0.02	



