Surface Roughness Comparison and Application					
International Marking Way	Rz	Ra	Characteristic		Related Machining Way
N12	200	50	Rough face	Machining tool lines are obvious	Sawed face, rough CNC turning, rough CNC milling, Drill holes
N11	100	25		Machining tool lines are visable	
N10	50	12.5		Machining tool lines are slight	
N9	25	6.3	Half shinny face	Machining marks are visable	Cold draw, fine CNC turning, ream CNC milling,
N8	12.5	3.2		Machining marks are slight	
N7	6.3	1.6		Machining marks hard to recognize	
N6	6.3	0.8	Shinny face	machining direction can recognize	Stonewash, Fine CNC turning and ream CNC milling by diamond machining tools, polish
N5	3.2	0.4		machining direction can recognize slightly	
N4	1.6	0.2		machining direction can't be recognized	
N3	0.8	0.1	Mirror face	Matte gloss face	Mirror grinding, mirror polish
N2	0.4	0.05		shinny gloss face	
N1	0.2	0.025		Mirror-like gloss face	
	0.1	0.012		Fog mirror face	
	0.05			Mirror face	