


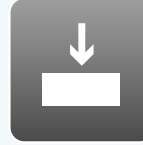










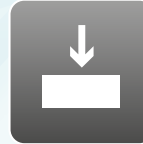

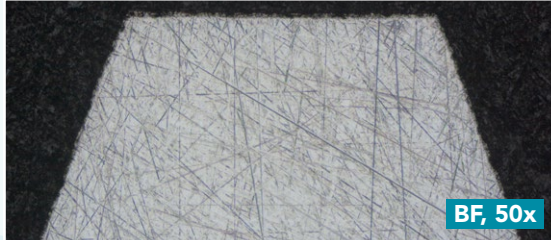



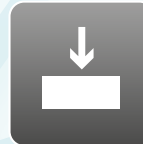











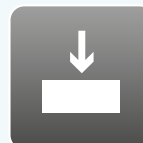




Aka-Brief #17 Nitrided Steel

1						    	
	Rhaco Grit P220	Water	300 rpm	30 N	Until plane		BF, 50x
2							
	Rhaco Grit P500	Water	300 rpm	30 N	1:00 min		BF, 50x
3							
	Allegran 3	DiaUltra 9 μm	150 rpm	35 N	3:00 min	BF, 50x	
4							
	Ramda	DiaUltra 3 μm	150 rpm	30 N	3:00 min	BF, 50x	
5							
	Napal	DiaUltra 1 μm	150 rpm	20 N	0:30 min	BF, 50x*	

Times are stated for a 300 mm preparation system and Forces for an individual 40 mm dia. sample.

On a 250 mm system the times should be increased by 30%, on a 200 mm system by 100%.

With larger samples the force should be increased, with smaller samples decreased.

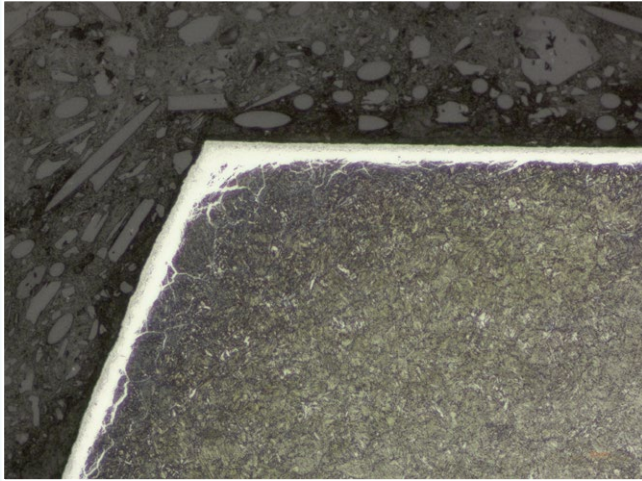
Time and Force may vary depending on the equipment.

* Microstructure after etching with 3% Nital.

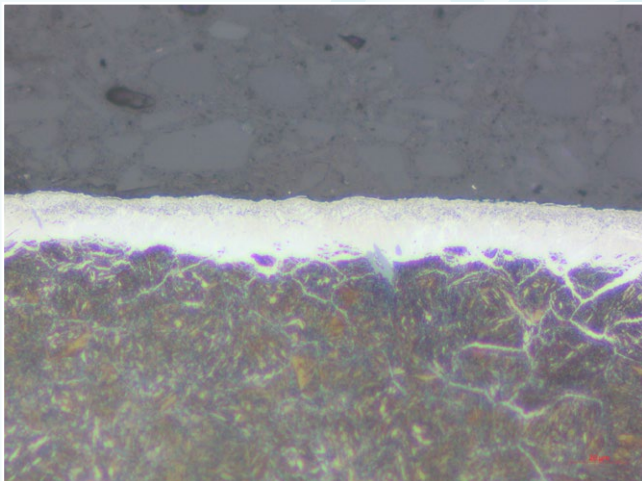


Aka-Brief #17 Nitrided Steel

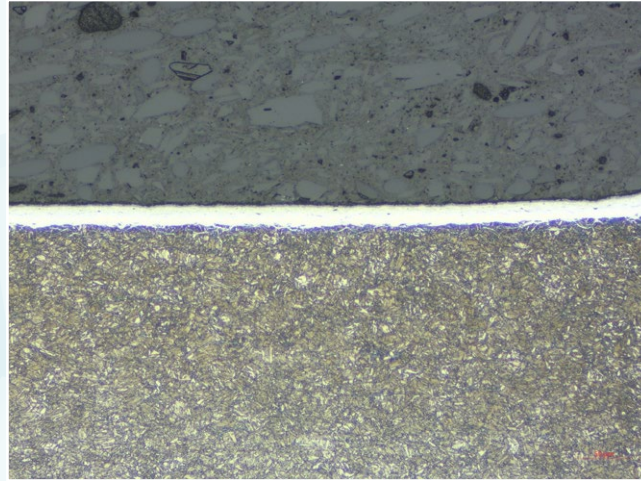
FINAL RESULT



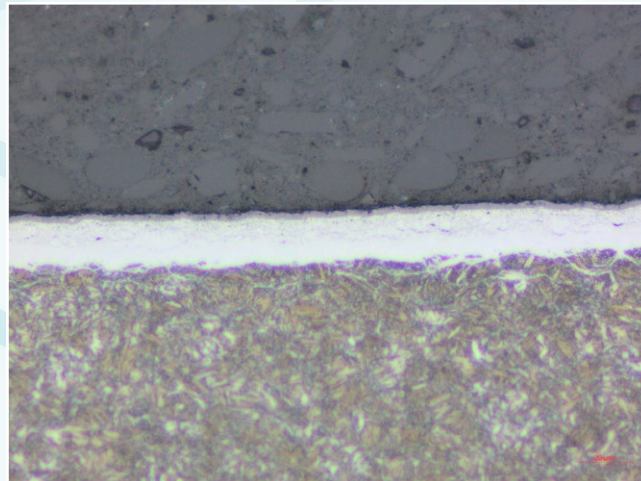
Etched with 3 % Nital, BF, 200x



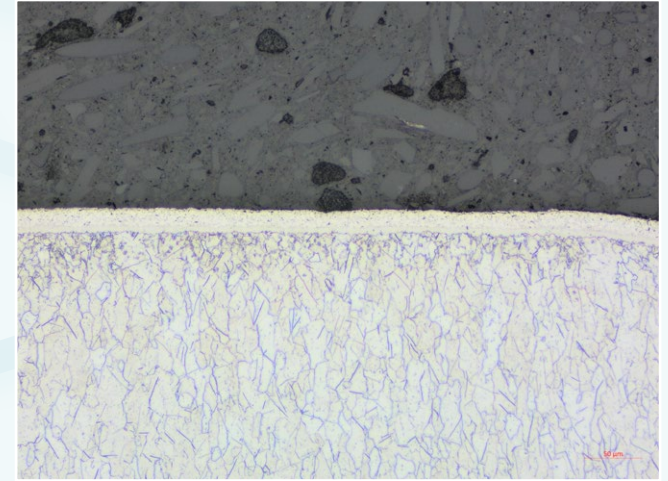
Etched with 3 % Nital, BF, 500x



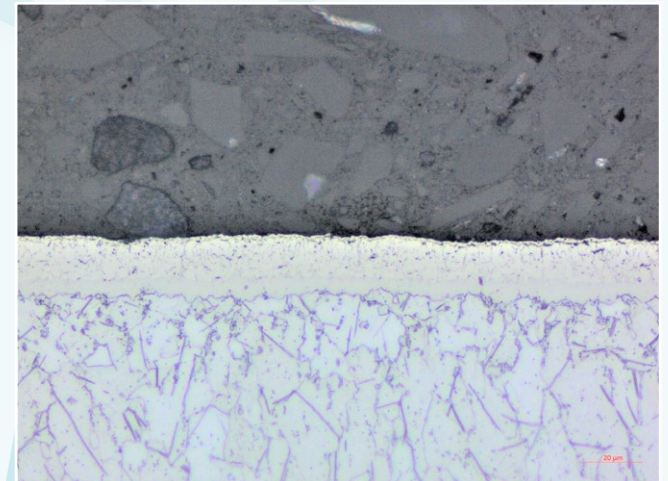
Etched with 3 % Nital, BF, 200x



Etched with 3 % Nital, BF, 500x



Etched with 3 % Nital, BF, 200x



Etched with 3 % Nital, BF, 500x