

# Bending Fatigue Behaviour and Fatigue Endurance Limit Prediction of 20Cr2Ni4A Gear Steel after the Ultrasonic Surface Rolling Process

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**Table S1.** Three-point bending fatigue test data of samples before and after USRP

$\sigma_{\max}$ (MPa)	1656	1422	1326	1230	1073
0	-	77877	385963	776111	2569201
	-	83608	160513	1361390	1596852
	-	96475	202778	637711	2630210
	-	93608	177928	1122622	3000000
	-	65203	450625	856932	1256325
2	89313	114793	401094	3652481	
	87134	257816	778824	2852698	
	55894	190647	689494	1265997	
	65319	107713	303616	2235642	
	74526	230962	419480	3000000	
3	155231	551367	610221	3000000	
	211531	340512	1480729	1569862	
	225541	332007	990242	1120229	
	412689	613224	687198	899520	
	112532	4340521	1526251	2569852	