

Material properties for your shaft will be assigned by the last two digits in your student ID

Last digit in Student ID	2nd to last digit in Student ID	SAE and/or AISI no.	Processing	Tensile Strength, (ksi)	Yield Strength, (ksi)
1	0 to 4	1015	HR	50	27.5
1	5 to 9		CD	56	47
2	0 to 4	1045	HR	82	45
2	5 to 9		CD	91	77
3	0 to 4	1030	HR	68	37.5
3	5 to 9		CD	76	64
4	0 to 4	1035	HR	72	39.5
4	5 to 9		CD	80	67
5	0 to 4	1018	HR	58	32
5	5 to 9		CD	64	54
6	0 to 4	1040	HR	76	42
6	5 to 9		CD	85	71
7	0 to 4	1020	HR	55	30
7	5 to 9		CD	68	57
8	0 to 4	1010	HR	47	26
8	5 to 9		CD	53	44
9	0 to 4	1050	HR	90	49.5
9	5 to 9		CD	100	84
0	0 to 4	1006	HR	43	24
0	5 to 9		CD	48	41