



CHICAGO FLAME HARDENING

Specialists in Surface Hardening, Stress Relieving, Mechanical Straightening

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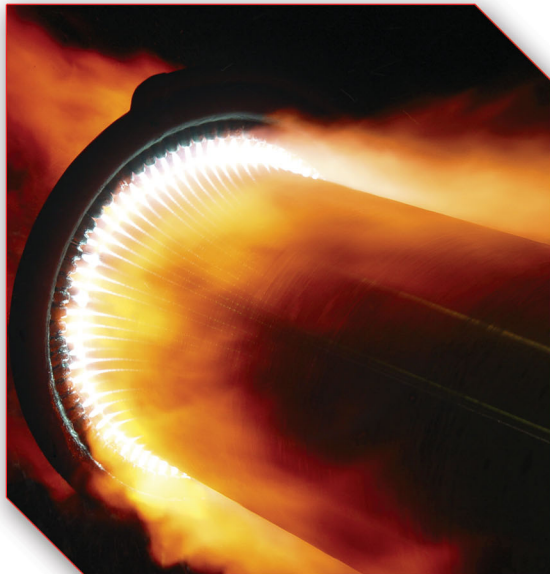
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Materials and Results

Steel/Iron Type	Rockwell C
1020 mild steel	30-35
1035	45-50
1040	50-55
1045	55-60
1060	60-65
1145	55-60
1545 (speed treat)	55-60
4140	58-62
4150 (maxel 3.5)	60-65
4340	55-60
52100	60-65
8620	40-45
Meehanite GA	55-60
Ductile Iron	35-65
Gray Iron	35-60
A36	40-45

Hardness Conversions

Brinell	Rockwell C	Shore
682	62	84
653	60	81
627	59	79
601	58	77
578	56	75
555	55	73
534	54	71
514	52	70
495	51	68
477	50	66
461	48	65
444	47	63
429	46	61
415	44	59
401	43	58
388	42	56
375	40	54
363	39	52
352	38	51
341	37	50
331	36	48
321	34	47
311	33	46
302	32	45
293	31	43
285	30	42
277	29	41
269	28	40
262	27	39
255	25	38
248	24	37
241	23	36
235	22	35

Surface Hardening

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Stress Relieving

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Mechanical
Straightening