

Steel	Chemical Composition				
	C % (m/m)	Si % (m/m)	Mn % (m/m)	P % (m/m)	S % (m/m)
080M40	0,36 to 0,44	0,10 to 0,40	0,60 to 1,00	0,05 max	0,05 max

Steel	Mechanical Properties					
	Condition	Size (diameter across flats or thickness)	R _m	R _e min.	A min on 5.65 √S ₀	R _{p0.2} min
		mm	N/mm ²	N/mm ²	%	N/mm ²
080M40	Hot rolled + cold drawn	≥ 6 ≤ 13	660 min.	530	7	495
		> 13 ≤ 16	650 min.	510	8	485
		> 16 ≤ 40	620 min.	480	9	435
		> 40 ≤ 63	600 min.	465	10	370
		> 63 ≤ 76	570 min.	430	10	350