



403-7-6, 303-7-6 Prebend Capacity Chart

Base Capacity		0.27	Top roll diameter		7	Working Length			72	Solving for Material Width in Inches One Pass Rolling!			
Plate Thickness →	Yield Strength PSI ↓	ID (in) ↓	12ga	1/8"	10ga	8ga	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"
			0.1046	0.125	0.1345	0.1644	0.1875	0.25	0.3125	0.375	0.4375	0.5	0.5625
30,000	7.7		72.00	72.00	72.00	72.00	71.66	40.31	25.80				
	8.4		72.00	72.00	72.00	72.00	72.00	47.31	30.28				
	8.75		72.00	72.00	72.00	72.00	72.00	54.87	35.12	24.39			
	10.5		72.00	72.00	72.00	72.00	72.00	71.66	45.86	31.85			
	12.25		72.00	72.00	72.00	72.00	72.00	71.66	45.86	31.85			
	14		72.00	72.00	72.00	72.00	72.00	72.00	58.05	40.31	29.62		
	17.5		72.00	72.00	72.00	72.00	72.00	72.00	61.98	43.04	31.62	24.21	
	21		72.00	72.00	72.00	72.00	72.00	72.00	64.68	44.91	33.00	25.26	
	24.5		72.00	72.00	72.00	72.00	72.00	72.00	68.83	47.80	35.12	26.89	
	28		72.00	72.00	72.00	72.00	72.00	72.00	71.66	49.77	36.56	27.99	
	35		72.00	72.00	72.00	72.00	72.00	72.00	72.00	55.92	41.08	31.45	24.85
	42		72.00	72.00	72.00	72.00	72.00	72.00	72.00	58.05	42.65	32.65	25.80
40,000	56		72.00	72.00	72.00	72.00	72.00	72.00	72.00	61.32	45.05	34.49	27.25
	70		72.00	72.00	72.00	72.00	72.00	72.00	72.00	65.82	48.35	37.02	29.25
	7.7		72.00	72.00	72.00	69.91	53.75	30.23					
	8.4		72.00	72.00	72.00	72.00	63.08	35.48					
	8.75		72.00	72.00	72.00	72.00	72.00	41.15	26.34				
	10.5		72.00	72.00	72.00	72.00	72.00	53.75	34.40				
	12.25		72.00	72.00	72.00	72.00	72.00	53.75	34.40				
	14		72.00	72.00	72.00	72.00	72.00	68.02	43.54	30.23			
	17.5		72.00	72.00	72.00	72.00	72.00	72.00	46.49	32.28			
	21		72.00	72.00	72.00	72.00	72.00	72.00	48.51	33.69	24.75		
	24.5		72.00	72.00	72.00	72.00	72.00	72.00	51.62	35.85	26.34		
	28		72.00	72.00	72.00	72.00	72.00	72.00	53.75	37.32	27.42		
50,000	35		72.00	72.00	72.00	72.00	72.00	72.00	60.39	41.94	30.81		
	42		72.00	72.00	72.00	72.00	72.00	72.00	62.69	43.54	31.99	24.49	
	56		72.00	72.00	72.00	72.00	72.00	72.00	66.22	45.99	33.79	25.87	
	70		72.00	72.00	72.00	72.00	72.00	72.00	71.08	49.36	36.27	27.77	
	7.7		72.00	72.00	72.00	55.93	43.00	24.19					
	8.4		72.00	72.00	72.00	65.64	50.46	28.39					
	8.75		72.00	72.00	72.00	72.00	58.53	32.92					
	10.5		72.00	72.00	72.00	72.00	72.00	43.00	27.52				
	12.25		72.00	72.00	72.00	72.00	72.00	43.00	27.52				
	14		72.00	72.00	72.00	72.00	72.00	54.42	34.83	24.19			
	17.5		72.00	72.00	72.00	72.00	72.00	58.11	37.19	25.83			
	21		72.00	72.00	72.00	72.00	72.00	60.63	38.81	26.95			
60,000	24.5		72.00	72.00	72.00	72.00	72.00	64.52	41.30	28.68			
	28		72.00	72.00	72.00	72.00	72.00	67.18	43.00	29.86			
	35		72.00	72.00	72.00	72.00	72.00	72.00	48.31	33.55	24.65		
	42		72.00	72.00	72.00	72.00	72.00	72.00	50.15	34.83	25.59		
	56		72.00	72.00	72.00	72.00	72.00	72.00	52.98	36.79	27.03		
	70		72.00	72.00	72.00	72.00	72.00	72.00	56.87	39.49	29.01		
	7.7		72.00	72.00	69.63	46.61	35.83						
	8.4		72.00	72.00	72.00	54.70	42.05						
	8.75		72.00	72.00	72.00	63.44	48.77	27.43					
	10.5		72.00	72.00	72.00	72.00	63.70	35.83					
	12.25		72.00	72.00	72.00	72.00	63.70	35.83					
	14		72.00	72.00	72.00	72.00	72.00	45.35	29.02				
100,000	17.5		72.00	72.00	72.00	72.00	72.00	48.42	30.99				
	21		72.00	72.00	72.00	72.00	72.00	50.53	32.34				
	24.5		72.00	72.00	72.00	72.00	72.00	53.77	34.41				
	28		72.00	72.00	72.00	72.00	72.00	55.99	35.83	24.88			
	35		72.00	72.00	72.00	72.00	72.00	62.91	40.26	27.96			
	42		72.00	72.00	72.00	72.00	72.00	65.30	41.79	29.02			
	56		72.00	72.00	72.00	72.00	72.00	68.98	44.15	30.66			
	70		72.00	72.00	72.00	72.00	72.00	72.00	47.39	32.91	24.18		
	7.7		69.08	48.37	41.78	27.97							
	8.4		72.00	56.77	49.03	32.82	25.23						
	8.75		72.00	65.84	56.87	38.06	29.26						
	10.5		72.00	72.00	72.00	49.72	38.22						
	12.25		72.00	72.00	72.00	49.72	38.22						
	14		72.00	72.00	72.00	62.92	48.37	27.21					
	17.5		72.00	72.00	72.00	67.19	51.65	29.05					
	21		72.00	72.00	72.00	70.11	53.90	30.32					
	24.5		72.00	72.00	72.00	72.00	57.35	32.26					
	28		72.00	72.00	72.00	72.00	59.72	33.59					
	35		72.00	72.00	72.00	72.00	67.10	37.74	24.16				
	42		72.00	72.00	72.00	72.00	69.66	39.18	25.08				
	56		72.00	72.00	72.00	72.00	72.00	41.39	26.49				
	70		72.00	72.00	72.00	72.00	72.00	44.43	28.43				
Info found here is to be used as a guideline, Please contact sales@wdmrolls.com for questions. These capacities are based on the tonnage capacity of the machine. Because of the spring back of some of the materials, the minimum diameter may not be attainable. See the following chart for approximate minimum diameter. →						Wrought Iron/1010 MS, Soft Aluminium and Copper - ID						7.70	
						Mild Steel, i.e. M-1020, A-36 - ID						8.75	
						CR Sheet, Thin Galvanized, Half Hard Copper, SS -ID						10.50	
						AR Plate, T-1, Other Super Alloys - ID						14.00	