



RMT Plate Roll Calculator

MACHINE NAME	Roundo 8' Pass 255
BENDING LENGTH	98" 8' 2"
PREBENDING CAPACITY Ødx1.5	0.314"
ROLLING CAPACITY Ødx3	0.500"
ROLLING CAPACITY Ødx5	0.550"
TOP ROLL DIAMETER Ød	10.00"

PLATE WIDTH		98" 8' 2" 100% Width	88" 7' 4" 90% Width	78" 6' 6" 80% Width	69" 5' 9" 70% Width	59" 4' 11" 60% Width	49" 4' 1" 50% Width	39" 3' 3" 40% Width	29" 2' 5" 30% Width	20" 1' 8" 20% Width										
MATERIAL TYPES		Inside Diameter	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness	Pre-Bending Thickness	Rolling Thickness		
CLASS-1 MATERIAL Max Yield Strength	207 30,000 N/mm ² PSI	11.00"	0.254"	0.431"	0.267"	0.454"	0.284"	0.482"	0.303"	0.515"	0.327"	0.556"	0.359"	0.609"	0.401"	0.681"	0.463"	0.787"	0.567"	0.963"
		13.00"	0.277"	0.463"	0.292"	0.488"	0.310"	0.518"	0.331"	0.554"	0.358"	0.598"	0.392"	0.655"	0.439"	0.732"				
		15.00"	0.338"	0.485"	0.357"	0.511"	0.378"	0.542"	0.404"	0.579"	0.437"	0.626"	0.478"	0.686"	0.525"	0.766"	0.619"	0.885"	0.755"	1.091"
		20.00"	0.347"	0.512"	0.365"	0.539"	0.388"	0.572"	0.414"	0.612"	0.448"	0.661"	0.490"	0.724"						
		30.00"	0.352"	0.539"	0.371"	0.568"	0.393"	0.602"	0.420"	0.644"	0.454"	0.695"	0.497"	0.762"	0.556"	0.852"	0.642"	0.983"	0.787"	1.204"
CLASS-2 MATERIAL Max Yield Strength	262 38,000 N/mm ² PSI	11.00"	0.236"	0.400"	0.248"	0.422"	0.263"	0.447"	0.281"	0.478"	0.304"	0.516"	0.333"	0.566"	0.372"	0.632"	0.430"	0.730"	0.527"	0.894"
		12.00"	0.257"	0.430"	0.271"	0.453"	0.288"	0.481"	0.308"	0.514"	0.332"	0.555"	0.364"	0.608"	0.407"	0.680"	0.470"	0.785"		
		15.00"	0.314"	0.450"	0.331"	0.474"	0.351"	0.503"	0.375"	0.538"	0.405"	0.581"	0.444"	0.636"	0.496"	0.712"	0.573"	0.822"	0.702"	1.006"
		20.00"	0.322"	0.475"	0.339"	0.501"	0.360"	0.531"	0.385"	0.568"	0.416"	0.613"	0.455"	0.672"		0.751"				
		30.00"	0.327"	0.500"	0.344"	0.527"	0.365"	0.559"	0.390"	0.598"	0.422"	0.645"	0.462"	0.707"	0.516"	0.791"	0.596"	0.913"	0.730"	1.118"
CLASS-3 MATERIAL Max Yield Strength	352 51,000 N/mm ² PSI	11.00"	0.195"	0.330"	0.205"	0.348"	0.218"	0.369"	0.233"	0.395"	0.251"	0.427"	0.275"	0.467"	0.308"	0.523"	0.355"	0.603"	0.435"	0.739"
		13.00"	0.213"	0.355"	0.224"	0.374"	0.238"	0.397"	0.254"	0.425"	0.275"	0.459"	0.301"	0.502"	0.336"	0.562"	0.388"	0.649"	0.476"	0.794"
		15.00"	0.259"	0.372"	0.273"	0.392"	0.290"	0.416"	0.310"	0.444"	0.335"	0.480"	0.367"	0.526"	0.410"	0.588"	0.474"	0.679"	0.580"	0.831"
		20.00"	0.266"	0.392"	0.280"	0.414"	0.297"	0.439"	0.318"	0.469"	0.343"	0.507"	0.376"	0.555"	0.420"	0.620"	0.485"	0.716"		
		30.00"	0.270"	0.413"	0.284"	0.435"	0.302"	0.462"	0.322"	0.494"	0.348"	0.533"	0.382"	0.584"	0.427"	0.653"	0.493"	0.754"	0.603"	0.924"
CLASS-4 MATERIAL Max Yield Strength	448 65,000 N/mm ² PSI	11.00"	0.172"	0.293"	0.182"	0.309"	0.193"	0.327"	0.206"	0.350"	0.222"	0.378"	0.244"	0.414"	0.272"	0.463"	0.315"	0.534"	0.385"	0.655"
		13.00"	0.188"	0.315"	0.199"	0.332"	0.211"	0.352"	0.225"	0.376"	0.243"	0.406"	0.266"	0.445"	0.298"	0.498"	0.344"	0.575"	0.421"	0.704"
		15.00"	0.230"	0.329"	0.242"	0.347"	0.257"	0.368"	0.275"	0.394"	0.297"	0.425"	0.325"	0.466"	0.363"	0.521"	0.420"	0.601"	0.504"	0.736"
		20.00"	0.236"	0.348"	0.248"	0.366"	0.263"	0.389"	0.282"	0.415"	0.304"	0.449"	0.333"	0.492"	0.372"	0.550"	0.430"	0.635"		0.777"
		30.00"	0.239"	0.366"	0.252"	0.386"	0.267"	0.409"	0.286"	0.437"	0.309"	0.472"	0.338"	0.517"	0.378"	0.579"	0.436"	0.668"	0.554"	0.818"
HIGH YIELD	689 100,000 N/mm ² PSI	11.00"	0.139"	0.236"	0.146"	0.249"	0.155"	0.264"	0.166"	0.282"	0.179"	0.305"	0.196"	0.334"	0.220"	0.373"	0.254"	0.431"	0.311"	0.528"
		13.00"	0.152"	0.254"	0.160"	0.267"	0.170"	0.284"	0.182"	0.303"	0.196"	0.328"	0.215"	0.359"	0.240"	0.401"	0.277"	0.463"	0.340"	0.567"
		15.00"	0.185"	0.265"	0.195"	0.280"	0.207"	0.297"	0.221"	0.317"	0.239"	0.343"	0.262"	0.375"	0.293"	0.420"	0.338"	0.485"	0.414"	0.594"
		20.00"	0.190"	0.280"	0.200"	0.295"	0.212"	0.313"	0.227"	0.335"	0.245"	0.362"	0.269"	0.396"	0.300"	0.443"	0.347"	0.512"	0.425"	0.627"
		30.00"	0.193"	0.295"	0.203"	0.311"	0.215"	0.330"	0.230"	0.353"	0.249"	0.381"	0.272"	0.417"	0.305"	0.466"	0.352"	0.539"	0.431"	0.660"

Bending capacities valid for multisteps bending method. Technical datas can be changed without notice. Reproducing and releasing without getting permission are prohibited.