



RMT Plate Roll Calculator

SELECT MACHINE		R-HYBRID 10-1772																		
BENDING LENGTH		120"																		
		10' 0"																		
PREBENDING CAPACITY		1,000																		
ROLLING CAPACITY		1,625																		
TOP ROLL DIAMETER		17,72"																		
PLATE WIDTH		120" 10' 0" 100% Width		108" 9' 0" 90% Width		96" 8' 0" 80% Width		84" 7' 0" 70% Width		72" 6' 0" 60% Width		60" 5' 0" 50% Width		48" 4' 0" 40% Width		36" 3' 0" 30% Width		20" 1' 8" 16% 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	Pre-Bending Thickness	Rolling Thickness
CLASS-1 MATERIAL Max Yield Strength		19,49"	0,916"	1,400"	0,965"	1,476"	1,024"	1,566"	1,094"	1,674"	1,182"	1,808"	1,295"	1,980"	1,448"	2,214"	1,672"	2,557"	1,672"	2,557"
		23,04"	0,969"	1,444"	1,022"	1,522"	1,084"	1,615"	1,159"	1,726"	1,252"	1,864"	1,371"	2,042"	1,533"	2,283"	1,770"	2,637"	1,770"	2,637"
		26,58"	1,023"	1,488"	1,079"	1,568"	1,144"	1,663"	1,223"	1,778"	1,321"	1,921"	1,447"	2,104"	1,618"	2,352"	1,868"	2,716"	1,868"	2,716"
		35,44"	1,077"	1,532"	1,135"	1,614"	1,204"	1,712"	1,287"	1,831"	1,391"	1,977"	1,523"	2,166"	1,703"	2,422"		2,796"		2,796"
207	30.000	53,16"	1,206"	1,575"	1,272"	1,661"	1,349"	1,761"	1,442"	1,883"	1,557"	2,034"	1,706"	2,228"	1,808"	2,491"	2,076"	2,876"	2,076"	2,876"
		70,88"	1,239"	1,663"	1,306"	1,753"	1,385"	1,859"	1,481"	1,988"	1,599"	2,147"	1,752"	2,352"	1,868"	2,629"	2,148"	2,937"	2,148"	2,937"
N/mm²	PSI	88,60"	1,279"	1,750"	1,348"	1,845"	1,430"	1,957"	1,528"	2,092"	1,651"	2,260"	1,808"	2,475"	1,973"	2,688"	2,243"	3,041"	2,243"	3,041"
		177,20"	1,314"	1,873"	1,385"	1,974"	1,469"	2,094"	1,571"	2,239"	1,697"	2,418"	1,858"	2,649"	2,034"	2,768"	2,334"	3,196"	2,334"	3,196"
CLASS-2 MATERIAL Max Yield Strength		19,49"	0,850"	1,300"	0,896"	1,370"	0,950"	1,453"	1,016"	1,554"	1,097"	1,678"	1,202"	1,838"	1,344"	2,055"	1,552"	2,373"	1,552"	2,373"
		21,26"	0,900"	1,341"	0,949"	1,413"	1,006"	1,499"	1,076"	1,602"	1,162"	1,731"	1,273"	1,896"	1,423"	2,120"	1,643"	2,448"	1,643"	2,448"
		26,58"	0,950"	1,381"	1,001"	1,456"	1,062"	1,544"	1,135"	1,651"	1,226"	1,783"	1,344"	1,953"	1,502"	2,184"	1,734"	2,522"	1,734"	2,522"
		35,44"	1,000"	1,422"	1,054"	1,499"	1,118"	1,590"	1,195"	1,699"	1,291"	1,836"	1,414"	2,011"	1,581"	2,248"	1,826"	2,596"	1,826"	2,596"
248	36.000	53,16"	1,120"	1,463"	1,181"	1,542"	1,252"	1,635"	1,339"	1,748"	1,446"	1,888"	1,584"	2,068"	1,771"	2,312"	1,945"	2,670"	1,945"	2,670"
		70,88"	1,150"	1,544"	1,212"	1,627"	1,286"	1,726"	1,375"	1,845"	1,485"	1,993"	1,626"	2,183"	1,818"	2,441"	2,018"	2,712"	2,018"	2,712"
N/mm²	PSI	88,60"	1,187"	1,625"	1,251"	1,713"	1,327"	1,817"	1,419"	1,942"	1,532"	2,098"	1,679"	2,298"	1,877"	2,569"	2,167"	2,907"	2,167"	2,907"
		177,20"	1,220"	1,739"	1,286"	1,833"	1,364"	1,944"	1,458"	2,078"	1,575"	2,245"	1,725"	2,459"	1,945"	2,688"	2,243"	3,041"	2,243"	3,041"
CLASS-3 MATERIAL Max Yield Strength		19,49"	0,709"	1,085"	0,748"	1,143"	0,793"	1,213"	0,848"	1,296"	0,916"	1,400"	1,003"	1,534"	1,121"	1,715"	1,295"	1,980"	1,295"	1,980"
		23,04"	0,751"	1,119"	0,792"	1,179"	0,840"	1,251"	0,898"	1,337"	0,969"	1,444"	1,062"	1,582"	1,187"	1,769"	1,371"	2,042"	1,371"	2,042"
		26,58"	0,793"	1,152"	0,836"	1,215"	0,886"	1,289"	0,947"	1,377"	1,023"	1,488"	1,121"	1,630"	1,253"	1,822"	1,447"	2,104"	1,447"	2,104"
		35,44"	0,834"	1,186"	0,880"	1,251"	0,933"	1,326"	0,997"	1,418"	1,077"	1,532"	1,180"	1,678"	1,319"	1,876"	1,523"	2,166"	1,523"	2,166"
345	50.000	53,16"	0,934"	1,220"	0,985"	1,286"	1,045"	1,364"	1,117"	1,459"	1,206"	1,575"	1,322"	1,726"	1,478"	1,929"	1,706"	2,228"	1,706"	2,228"
		70,88"	0,960"	1,288"	1,011"	1,358"	1,073"	1,440"	1,147"	1,540"	1,239"	1,663"	1,357"	1,822"	1,517"	2,037"	1,752"	2,352"	1,752"	2,352"
N/mm²	PSI	88,60"	0,990"	1,356"	1,044"	1,429"	1,107"	1,516"	1,184"	1,621"	1,279"	1,750"	1,401"	1,917"	1,566"	2,144"	1,808"	2,475"	1,808"	2,475"
		177,20"	1,018"	1,451"	1,073"	1,529"	1,138"	1,622"	1,217"	1,734"	1,314"	1,873"	1,440"	2,052"	1,609"	2,294"	1,858"	2,649"	1,858"	2,649"
CLASS-4 MATERIAL Max Yield Strength		19,49"	0,579"	0,886"	0,610"	0,934"	0,647"	0,990"	0,692"	1,059"	0,748"	1,143"	0,819"	1,252"	0,916"	1,400"	1,057"	1,617"	1,057"	1,617"
		23,04"	0,613"	0,913"	0,646"	0,963"	0,686"	1,021"	0,733"	1,092"	0,792"	1,179"	0,867"	1,292"	0,969"	1,444"	1,119"	1,667"	1,119"	1,667"
		26,58"	0,647"	0,941"	0,682"	0,992"	0,724"	1,052"	0,774"	1,125"	0,836"	1,215"	0,915"	1,331"	1,023"	1,488"	1,182"	1,718"	1,182"	1,718"
		35,44"	0,681"	0,969"	0,718"	1,021"	0,762"	1,083"	0,814"	1,158"	0,880"	1,251"	0,963"	1,370"	1,077"	1,532"	1,244"	1,769"	1,244"	1,769"
517	75.000	53,16"	0,763"	0,996"	0,804"	1,050"	0,853"	1,114"	0,912"	1,191"	0,985"	1,286"	1,079"	1,409"	1,206"	1,575"	1,393"	1,819"	1,393"	1,819"
		70,88"	0,783"	1,052"	0,826"	1,109"	0,876"	1,176"	0,936"	1,257"	1,011"	1,358"	1,108"	1,487"	1,239"	1,663"	1,430"	1,920"	1,430"	1,920"
N/mm²	PSI	88,60"	0,809"	1,107"	0,852"	1,167"	0,904"	1,238"	0,967"	1,323"	1,044"	1,429"	1,144"	1,566"	1,279"	1,750"	1,476"	2,021"	1,476"	2,021"
		177,20"	0,831"	1,185"	0,876"	1,249"	0,929"	1,324"	0,993"	1,416"	1,073"	1,529"	1,175"	1,675"	1,314"	1,873"	1,517"	2,163"	1,517"	2,163"
High Yield		19,49"	0,501"	0,767"	0,529"	0,808"	0,561"	0,858"	0,599"	0,917"	0,647"	0,990"	0,709"	1,085"	0,793"	1,213"	0,916"	1,400"	1,228"	1,879"
		23,04"	0,531"	0,791"	0,560"	0,834"	0,594"	0,884"	0,635"	0,945"	0,686"	1,021"	0,751"	1,119"	0,840"	1,251"	0,969"	1,444"	1,301"	1,937"
		26,58"	0,560"	0,815"	0,591"	0,859"	0,627"	0,911"	0,670"	0,974"	0,724"	1,052"	0,793"	1,152"	0,886"	1,289"	1,023"	1,488"	1,373"	1,996"
		35,44"	0,590"	0,839"	0,622"	0,884"	0,660"	0,938"	0,705"	1,003"	0,762"	1,083"	0,834"	1,186"	0,933"	1,326"	1,077"	1,532"	1,445"	2,055"
689	100.000	53,16"	0,661"	0,863"	0,697"	0,910"	0,739"	0,965"	0,790"	1,031"	0,853"	1,114"	0,934"	1,220"	1,045"	1,364"	1,206"	1,575"	1,619"	2,114"
		70,88"	0,678"	0,911"	0,715"	0,960"	0,759"	1,018"	0,811"	1,089"	0,876"	1,176"	0,960"	1,288"	1,073"	1,440"	1,239"	1,663"	1,662"	2,231"
N/mm²	PSI	88,60"	0,700"	0,959"	0,738"	1,011"	0,783"	1,072"	0,837"	1,146"	0,904"	1,238"	0,990"	1,356"	1,107"	1,516"	1,279"	1,750"	1,715"	2,348"
		177,20"	0,720"	1,026"	0,759"	1,081"	0,805"	1,147"	0,860"	1,226"	0,929"	1,324"	1,018"	1,451"	1,138"	1,622"	1,314"	1,873"	1,763"	2,513"

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