

NorthWoods Software**Program_Data****Project Name:****Project Number:****Project Description:****Project Designer: Dik****Last Revised: 18-03-16****Reference: N/A****Program Data:****Reinforcing Steel Properties**

	1	2	3	4	5	6		1	NDX
$Rebar :=$	1	10	11.3 mm	100 mm ²	35.5 mm	0.785 $\frac{kg}{m}$		2	Bar Size
	2	15	16.0 mm	200 mm ²	50.1 mm	1.570 $\frac{kg}{m}$		3	Bar Diameter (mm)
	3	20	19.5 mm	300 mm ²	61.3 mm	2.355 $\frac{kg}{m}$		4	Bar Area (mm ²)
	4	25	25.2 mm	500 mm ²	79.2 mm	3.925 $\frac{kg}{m}$		5	Bar Perimeter (mm)
	5	30	29.9 mm	700 mm ²	93.9 mm	5.495 $\frac{kg}{m}$		6	Bar Mass Length (kg/m)
	6	35	35.7 mm	1000 mm ²	112.2 mm	7.850 $\frac{kg}{m}$			
	7	45	43.7 mm	1500 mm ²	137.3 mm	11.775 $\frac{kg}{m}$			
	8	55	56.4 mm	2500 mm ²	177.2 mm	19.625 $\frac{kg}{m}$			

Reinforcing Properties

$NDX_t := 3$ Enter Index Number Representing Bar Size

$bar_t := Rebar_{NDX_t 2}$ $bar_t = 20$ M Bar Size

$\Phi_t := Rebar_{NDX_t 3}$ $\Phi_t = 19.5$ mm Bar Diameter

$A_{st} := Rebar_{NDX_t 4}$ $A_{st} = 300$ mm² Area of Steel Reinforcing

