



**Vinç Yolları, "42\_00\_Ornek\_01\_01\_Kiris100kNx20m.pdf" dosyasının değerleriyle çeşitli aralıklı VY karşılaştırması:**

- ➔ Reference:C:\0\42\_00\_Ornek\_01\_Bir\_Aralikli\_VY\_TK-Esit.xmcd
- ➔ Reference:C:\0\42\_00\_Ornek\_01\_Iki\_Aralikli\_VY\_TK-Esit.xmcd
- ➔ Reference:C:\0\42\_00\_Ornek\_01\_Uc\_Aralikli\_VY\_TK-Esit.xmcd
- ➔ Reference:C:\0\42\_00\_Ornek\_01\_Uc\_Aralikli\_VY\_TK-Farkli.xmcd
- ➔ Reference:C:\0\42\_00\_Ornek\_01\_Uc\_Aralikli\_VY\_TK-Esit\_IPE400.xmcd

<b>Emniyetli</b>	<b>1 A-Eşit</b>	<b>2 A-Eşit</b>	<b>3 A-Eşit</b>	<b>3 A-Farklı</b>	<b>3 A-IPE 400</b>
$f_{\sigma EM} = 214 \cdot \text{MPa}$	$\sigma_{1y \max} = 177 \cdot \text{MPa}$	$\sigma_{2y \max} = 145 \cdot \text{MPa}$	$\sigma_{3y \max} = 143 \cdot \text{MPa}$	$\sigma_{3y \max F} = 169 \cdot \text{MPa}$	$\sigma_{3y \max A} = 182 \cdot \text{MPa}$
	$f_{\sigma EM} \cdot \sigma_{1y \max}^{-1} = 1.21$	$f_{\sigma EM} \cdot \sigma_{2y \max}^{-1} = 1.47$	$f_{\sigma EM} \cdot \sigma_{3y \max}^{-1} = 1.49$	$f_{\sigma EM} \cdot \sigma_{3y \max F}^{-1} = 1.27$	$f_{\sigma EM} \cdot \sigma_{3y \max A}^{-1} = 1.18$
	$\sigma_{1z \max} = 85 \cdot \text{MPa}$	$\sigma_{2z \max} = 70 \cdot \text{MPa}$	$\sigma_{3z \max} = 69 \cdot \text{MPa}$	$\sigma_{3z \max F} = 74 \cdot \text{MPa}$	$\sigma_{3z \max A} = 72 \cdot \text{MPa}$
	$f_{\sigma EM} \cdot \sigma_{1z \max}^{-1} = 2.52$	$f_{\sigma EM} \cdot \sigma_{2z \max}^{-1} = 3.07$	$f_{\sigma EM} \cdot \sigma_{3z \max}^{-1} = 3.11$	$f_{\sigma EM} \cdot \sigma_{3z \max F}^{-1} = 2.90$	$f_{\sigma EM} \cdot \sigma_{3z \max A}^{-1} = 2.96$
$w_{zEM} = 10.00 \cdot \text{mm}$	$w_{1z} = 9.44 \cdot \text{mm}$	$w_{2z} = 8.17 \cdot \text{mm}$	$w_{3z} = 5.51 \cdot \text{mm}$	$w_{3zF} = 5.81 \cdot \text{mm}$	$w_{3zA} = 7.79 \cdot \text{mm}$
	$w_{zEM} \cdot w_{1z}^{-1} = 1.06$	$w_{zEM} \cdot w_{2z}^{-1} = 1.22$	$w_{zEM} \cdot w_{3z}^{-1} = 1.82$	$w_{zEM} \cdot w_{3zF}^{-1} = 1.72$	$w_{zEM} \cdot w_{3zA}^{-1} = 1.28$
$w_{yEM} = 8.75 \cdot \text{mm}$	$w_{1y} = 7.30 \cdot \text{mm}$	$w_{2y} = 6.22 \cdot \text{mm}$	$w_{3y} = 4.28 \cdot \text{mm}$	$w_{3yF} = 4.52 \cdot \text{mm}$	$w_{3yA} = 4.62 \cdot \text{mm}$
	$w_{yEM} \cdot w_{1y}^{-1} = 1.20$	$w_{yEM} \cdot w_{2y}^{-1} = 1.41$	$w_{yEM} \cdot w_{3y}^{-1} = 2.05$	$w_{yEM} \cdot w_{3yF}^{-1} = 1.94$	$w_{yEM} \cdot w_{3yA}^{-1} = 1.90$
$f_{\tau EM} = 123 \cdot \text{MPa}$	$\tau_{1Di} = 41 \cdot \text{MPa}$	$\tau_{2Di} = 43 \cdot \text{MPa}$	$\tau_{3Di} = 43 \cdot \text{MPa}$	$\tau_{3DiF} = 41 \cdot \text{MPa}$	$\tau_{3DiA} = 33 \cdot \text{MPa}$
	$f_{\tau EM} \cdot \tau_{1Di}^{-1} = 3.02$	$f_{\tau EM} \cdot \tau_{2Di}^{-1} = 2.90$	$f_{\tau EM} \cdot \tau_{3Di}^{-1} = 2.84$	$f_{\tau EM} \cdot \tau_{3DiF}^{-1} = 3.01$	$f_{\tau EM} \cdot \tau_{3DiA}^{-1} = 3.76$
$\Delta\sigma_{1EM} = 109 \cdot \text{MPa}$	$\Delta\sigma_{1zPR} = 50 \cdot \text{MPa}$	$\Delta\sigma_{2zPR} = 41 \cdot \text{MPa}$	$\Delta\sigma_{3zPR} = 41 \cdot \text{MPa}$	$\Delta\sigma_{3zPRF} = 51 \cdot \text{MPa}$	$\Delta\sigma_{3zPRA} = 58 \cdot \text{MPa}$
	$\Delta\sigma_{1EM} \cdot \Delta\sigma_{1zPR}^{-1} = 2.18$	$\Delta\sigma_{1EM} \cdot \Delta\sigma_{2zPR}^{-1} = 2.63$	$\Delta\sigma_{1EM} \cdot \Delta\sigma_{3zPR}^{-1} = 2.67$	$\Delta\sigma_{1EM} \cdot \Delta\sigma_{3zPRF}^{-1} = 2.13$	$\Delta\sigma_{1EM} \cdot \Delta\sigma_{3zPRA}^{-1} = 1.87$
$\Delta\sigma_{2EM} = 87 \cdot \text{MPa}$	$\Delta\sigma_{1zP} = 64 \cdot \text{MPa}$	$\Delta\sigma_{2zP} = 53 \cdot \text{MPa}$	$\Delta\sigma_{3zP} = 53 \cdot \text{MPa}$	$\Delta\sigma_{3zPF} = 64 \cdot \text{MPa}$	$\Delta\sigma_{3zPA} = 70 \cdot \text{MPa}$
	$\Delta\sigma_{2EM} \cdot \Delta\sigma_{1zP}^{-1} = 1.35$	$\Delta\sigma_{2EM} \cdot \Delta\sigma_{2zP}^{-1} = 1.63$	$\Delta\sigma_{2EM} \cdot \Delta\sigma_{3zP}^{-1} = 1.66$	$\Delta\sigma_{2EM} \cdot \Delta\sigma_{3zPF}^{-1} = 1.36$	$\Delta\sigma_{2EM} \cdot \Delta\sigma_{3zPA}^{-1} = 1.25$
$\Delta\sigma_{3EM} = 109 \cdot \text{MPa}$	$\Delta\sigma_{13} = 35 \cdot \text{MPa}$	$\Delta\sigma_{23} = 35 \cdot \text{MPa}$	$\Delta\sigma_{33} = 35 \cdot \text{MPa}$	$\Delta\sigma_{33F} = 36 \cdot \text{MPa}$	$\Delta\sigma_{33A} = 39 \cdot \text{MPa}$
	$\Delta\sigma_{3EM} \cdot \Delta\sigma_{13}^{-1} = 3.10$	$\Delta\sigma_{3EM} \cdot \Delta\sigma_{23}^{-1} = 3.10$	$\Delta\sigma_{3EM} \cdot \Delta\sigma_{33}^{-1} = 3.10$	$\Delta\sigma_{3EM} \cdot \Delta\sigma_{33F}^{-1} = 3.01$	$\Delta\sigma_{3EM} \cdot \Delta\sigma_{33A}^{-1} = 2.80$

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