



$\mathbb{D}_j \tilde{N}^? \mathbb{D}^? \mathbb{D} \gg \tilde{N}^? \text{ EN8 } \mathbb{D}_{\zeta} \tilde{N}^? \mathbb{D}^{3/4} \tilde{N}^? \mathbb{D}_{\zeta} \mathbb{D}^2 \text{ EN9: } \mathbb{D}^? \mathbb{D} \gg \tilde{N}^? \tilde{N}^? \mathbb{D}_{\mu} \mathbb{D}^2 \tilde{N}^? \mathbb{D}_{\mu}$
 $\tilde{N}^? \mathbb{D}^? \mathbb{D} \cdot \mathbb{D} \gg \mathbb{D}_{\zeta} \tilde{N}^? \mathbb{D}_{\zeta} \tilde{N} \cdot \mathbb{D}^2 \tilde{N} \cdot \mathbb{D}^{3/4} \tilde{N} \cdot \tilde{N}^? \mathbb{D}^? \mathbb{D}^2 \mathbb{D}_{\mu}, \mathbb{D}_{\zeta} \tilde{N}^? \mathbb{D}^{3/4} \tilde{N}^? \mathbb{D}^{1/2} \mathbb{D}^{3/4} \tilde{N} \cdot \tilde{N}^? \mathbb{D}_{\zeta} \mathbb{D}_{\zeta}$
 $\mathbb{D}_{\zeta} \tilde{N}^? \mathbb{D}_{\zeta} \mathbb{D}^{1/4} \mathbb{D}_{\mu} \mathbb{D}^{1/2} \mathbb{D}_{\mu} \mathbb{D}^{1/2} \mathbb{D}_{\zeta} \mathbb{D}_{\zeta}$

Đ?Đ¿Đ,Ñ•Đ°Đ^{1/2}Đ,Đμ

$$\Theta^? \Theta^2 \Theta_\mu \Theta' \Theta_\mu \Theta^{1/2} \Theta_\nu \Theta_\mu$$

EN8 Đ, EN9 â?? Ñ?Đ, Ñ?Đ¾ĐĐ¾ Đ¿Ñ?Đ, Đ¼ĐμĐ½Ñ•ĐμĐ¼Ñ?Đμ Đ² Đ¼Đ°Ñ?Đ, Đ½Đ¾Ñ•Ñ?Ñ?Đ¾ĐμĐ½Đ, Đ, Ñ•Ñ?ĐμĐ°Đ½ĐμÑ?Đ³Đ»ĐμÑ?Đ¾Đ°Đ, Ñ•Ñ?Ñ?Đμ Ñ•Ñ?Đ°Đ»Đ, Đ¾Đ°Đ½Đ°Đ°Đ¾ Đ, Ñ Đ½ĐμĐ•Đ½Đ°Ñ?Đ, Ñ?ĐμĐ»Ñ?Đ½Ñ?Đμ Ñ?Đ°Đ•Đ»Đ, Ñ?Đ, Ñ•Đ²Đ»Đ, Ñ•Ñ?Ñ?Đ½Đ° Đ¿Ñ?Đ¾Ñ?Đ½Đ¾Ñ•Ñ?Ñ?, Đ¾Đ±Ñ?Đ°Đ±Đ°Ñ?Ñ?Đ²Đ°ĐμĐ¼Đ¾Ñ•Ñ?Ñ?Đ, Ñ?ĐμĐ°Đ°Ñ?Đ, Ñ?Đ½Đ° Ñ?ĐμÑ?Đ¼Đ, Ñ?ĐμÑ•Đ°Ñ?Ñ?Đ¾Đ±Ñ?Đ°Đ±Đ¾Ñ?Đ°Ñ?. Đ? Ñ•Ñ?Đ¾Đ¼Ñ?Ñ?Đ°Đ¾Đ¾Đ°Ñ•Ñ?Đ²Đμ Ñ•Ñ?Đ°Đ²Đ½Đ, Đ²Đ°Ñ?Ñ?Ñ•Ñ•:

- $\mathfrak{D} \neq \mathfrak{D}, \mathfrak{D}^{1/4} \mathfrak{D}, \tilde{\mathfrak{N}}? \mathfrak{D} \mu \tilde{\mathfrak{N}} \bullet \mathfrak{D}^{\circ} \mathfrak{D}, \mathfrak{D}^1 \tilde{\mathfrak{N}} \bullet \mathfrak{D}^{3/4} \tilde{\mathfrak{N}} \bullet \tilde{\mathfrak{N}}? \mathfrak{D}^{\circ} \mathfrak{D}^2$
- $\mathfrak{D}? \mathfrak{D} \mu \tilde{\mathfrak{N}} \mathfrak{D}^{\circ} \mathfrak{D}^{1/2} \mathfrak{D}, \tilde{\mathfrak{N}}? \mathfrak{D} \mu \tilde{\mathfrak{N}} \bullet \mathfrak{D}^{\circ} \mathfrak{D}, \mathfrak{D} \mu \tilde{\mathfrak{N}} \bullet \mathfrak{D}^2 \mathfrak{D}^{3/4} \mathfrak{D}^1 \tilde{\mathfrak{N}} \bullet \tilde{\mathfrak{N}}? \mathfrak{D}^2 \mathfrak{D}^{\circ}$
- $\mathfrak{D}? \mathfrak{D} \gg \mathfrak{D}, \tilde{\mathfrak{N}} \bullet \mathfrak{D}^{1/2} \mathfrak{D}, \mathfrak{D} \mu \tilde{\mathfrak{N}}? \mathfrak{D} \mu \tilde{\mathfrak{N}}? \mathfrak{D}^{1/4} \mathfrak{D}, \tilde{\mathfrak{N}}? \mathfrak{D} \mu \tilde{\mathfrak{N}} \bullet \mathfrak{D}^{\circ} \mathfrak{D}^{3/4} \mathfrak{D}^1 \mathfrak{D}^{3/4} \mathfrak{D} \pm \tilde{\mathfrak{N}}? \mathfrak{D}^{\circ} \mathfrak{D} \pm \mathfrak{D}^{3/4} \tilde{\mathfrak{N}}? \mathfrak{D}^{\circ} \mathfrak{D},$
- $\mathfrak{D} \bullet \mathfrak{D}^{\circ} \mathfrak{D}, \mathfrak{D} \pm \mathfrak{D}^{3/4} \mathfrak{D} \gg \mathfrak{D} \mu \mathfrak{D} \mu \mathfrak{D}, \mathfrak{D} \mathfrak{D}^{3/4} \mathfrak{D}^{\circ} \tilde{\mathfrak{N}} \mathfrak{D}^{3/4} \mathfrak{D}^{\circ} \tilde{\mathfrak{N}} \bullet \tilde{\mathfrak{N}}? \mathfrak{D}, \mathfrak{D} \mu \mathfrak{D}^{3/4} \mathfrak{D} \pm \mathfrak{D} \gg \mathfrak{D}^{\circ} \tilde{\mathfrak{N}} \bullet \tilde{\mathfrak{N}}? \mathfrak{D},$
 $\mathfrak{D} \mathfrak{D} \mathfrak{D} \tilde{\mathfrak{N}}? \mathfrak{D}, \mathfrak{D}^{1/4} \mathfrak{D} \mu \mathfrak{D}^{1/2} \mathfrak{D} \mu \mathfrak{D}^{1/2} \mathfrak{D} \tilde{\mathfrak{N}} \bullet$

[illegible]

$\mathfrak{D}_i \tilde{N}^? \mathfrak{D}^{\circ} \mathfrak{D}^2 \mathfrak{D}^{1/2} \mathfrak{D}_{\mu} \mathfrak{D}^{1/2} \mathfrak{D}_{\nu} \mathfrak{D}_{\mu} \tilde{N} \mathfrak{D}_{\nu} \mathfrak{D}^{1/4} \mathfrak{D}_{\nu} \tilde{N}^? \mathfrak{D}_{\mu} \tilde{N} \bullet \mathfrak{D}^{\circ} \mathfrak{D}^{3/4} \mathfrak{D}^3 \mathfrak{D}^{3/4} \tilde{N} \bullet \mathfrak{D}^{3/4} \tilde{N} \bullet \tilde{N}^? \mathfrak{D}^{\circ} \mathfrak{D}^2 \mathfrak{D}^{\circ}$

Element (wt %)	EN8 Steel	EN9 Steel
C (wt %)	0.36	0.44
Mn (wt %)	0.10	0.10
P (wt %)	0.05	0.05
S (wt %)	0.05	0.05

[illegible]

$\mathfrak{D} \circ \mathfrak{D} \mu \tilde{N} \circ \mathfrak{D}^{\circ} \mathfrak{D}^{1/2} \mathfrak{D} \cdot \tilde{N} \circ \mathfrak{D} \mu \tilde{N} \circ \mathfrak{D}^{\circ} \mathfrak{D} \cdot \mathfrak{D} \mu \tilde{N} \circ \mathfrak{D}^2 \mathfrak{D}^{3/4} \mathfrak{D}^1 \tilde{N} \cdot \tilde{N} \circ \mathfrak{D}^2 \mathfrak{D}^{\circ}$

	EN8	EN9
σ_{UTS} σ_{UTS} σ_{UTS} σ_{UTS}	700 ~ 850 MPa 201 ~ 255 ~14%	800 ~ 950 MPa 248 ~ 302 ~10%

â? EN9 Ð¼Ð±Ð¼Ñ•Ð¸Ð¼Ñ?Ð, Ð²Ð°Ð¼Ñ? Ð±Ð¼Ð¼ Ð²Ñ?Ñ•Ð°Ð°Ñ?Ñ? Ñ?Ð²Ñ?Ñ?Ð¼Ñ•
Ñ?Ñ? Ð, Ð¸Ñ?Ð¼Ñ?Ð¼Ñ?Ð¼Ñ•Ñ?Ñ?, Ð½Ð¼¼ Ð¼¼Ð±Ð¼Ð°Ð°Ð°Ð°Ð°Ð¼Ñ? Ð¼¼Ð¼Ð½Ñ?Ñ?Ð¼Ð¹ Ð¸Ð°Ð°Ñ•
Ñ?Ð, Ñ?Ð½Ð¼¼Ñ•Ñ?Ñ?Ñ?, Ñ?Ð¼Ð¼¼ EN8.

Đ?Đ»Ñ?Ñ?ĐµĐ²Ñ?Đµ Ñ?Đ°Đ·Đ»Đ Ñ?Đ.Ñ·Đ. Đ¿Ñ?Đ.Đ¹⁄₄ĐµĐ¹⁄₂ĐµĐ¹⁄₂Đ.Đµ

1. $\partial \circ \partial \pm \tilde{N} \circ \partial^\circ \partial \pm \partial^\circ \tilde{N} \circ \tilde{N} \circ \partial^2 \partial^\circ \partial \mu \partial^{1/4} \partial^{3/4} \tilde{N} \cdot \tilde{N} \circ \tilde{N}$? $\partial \cdot \tilde{N} \cdot \partial^2 \partial^\circ \tilde{N} \circ \partial \cdot \partial^2 \partial^\circ \partial \mu \partial^{1/4} \partial^{3/4} \tilde{N} \cdot \tilde{N} \circ \tilde{N}$?

- **EN8:** $\mathbb{D} \gg \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? \mathbb{D}^\circ \tilde{\mathcal{N}} \bullet \tilde{\mathcal{N}} \bullet \mathbb{D}^2 \mathbb{D}^\circ \tilde{\mathcal{N}}? \mathbb{D}_\mu \mathbb{D}^2 \mathbb{D}^\circ \mathbb{D} \mu \mathbb{D}^{1/4} \mathbb{D}^{3/4} \tilde{\mathcal{N}} \bullet \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? \mathbb{D}_\mu \tilde{\mathcal{N}}? \mathbb{D} \mu \mathbb{D}^{1/2} \mathbb{D}^{1/2} \mathbb{D}^\circ \tilde{\mathcal{N}} \bullet \mathbb{D}^{3/4} \mathbb{D} \pm \tilde{\mathcal{N}}? \mathbb{D}^\circ \mathbb{D} \pm \mathbb{D}^\circ \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? \mathbb{D}^2 \mathbb{D}^\circ \mathbb{D} \mu \mathbb{D}^{1/4} \mathbb{D}^{3/4} \tilde{\mathcal{N}} \bullet \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? (\mathbb{D} \pm \mathbb{D}^{3/4} \mathbb{D} \gg \mathbb{D} \mu \mathbb{D} \mu \mathbb{D}^{1/2} \mathbb{D}_\mu \mathbb{D} \bullet \mathbb{D}^\circ \mathbb{D}^{3/4} \mathbb{D} \mu \tilde{\mathcal{N}} \bullet \mathbb{D}^{3/4} \mathbb{D}' \mathbb{D} \mu \tilde{\mathcal{N}}? \mathbb{D} \uparrow \mathbb{D}^\circ \mathbb{D}^{1/2} \mathbb{D}_\mu \tilde{\mathcal{N}}? \mathbb{D}^3 \mathbb{D} \gg \mathbb{D} \mu \tilde{\mathcal{N}}? \mathbb{D}^{3/4} \mathbb{D}' \mathbb{D}^\circ).$
- **EN9:** $\mathbb{D} \zeta \tilde{\mathcal{N}}? \mathbb{D} \mu \mathbb{D}^2 \mathbb{D}^{3/4} \tilde{\mathcal{N}} \bullet \tilde{\mathcal{N}} \mathbb{D}^{3/4} \mathbb{D}' \mathbb{D}^{1/2} \mathbb{D}^\circ \tilde{\mathcal{N}} \bullet \tilde{\mathcal{N}}? \mathbb{D}^2 \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? \mathbb{D}' \mathbb{D}^{3/4} \tilde{\mathcal{N}} \bullet \tilde{\mathcal{N}}? \tilde{\mathcal{N}}? \mathbb{D} \zeta \mathbb{D}^{3/4} \tilde{\mathcal{N}} \bullet \mathbb{D} \gg \mathbb{D} \mu \tilde{\mathcal{N}}? \mathbb{D} \mu \tilde{\mathcal{N}}? \mathbb{D}^{1/4} \mathbb{D}_\mu \tilde{\mathcal{N}}? \mathbb{D} \mu \tilde{\mathcal{N}} \bullet \mathbb{D}^\circ \mathbb{D}^{3/4} \mathbb{D}^1 \mathbb{D}^{3/4} \mathbb{D} \pm \tilde{\mathcal{N}}? \mathbb{D}^\circ \mathbb{D} \pm \mathbb{D}^{3/4} \tilde{\mathcal{N}}? \mathbb{D}^\circ \mathbb{D}_\mu, \mathbb{D}^{1/2} \mathbb{D}^{3/4} \mathbb{D} \pm \mathbb{D}^{3/4} \mathbb{D} \gg \mathbb{D} \mu \mathbb{D} \mu \tilde{\mathcal{N}} \bullet \mathbb{D} \gg \mathbb{D}^{3/4} \mathbb{D} \uparrow \mathbb{D}^{1/2} \mathbb{D}^\circ \tilde{\mathcal{N}} \bullet \mathbb{D}^{1/4} \mathbb{D} \mu \tilde{\mathcal{N}} \mathbb{D}^\circ \mathbb{D}^{1/2} \mathbb{D}_\mu \tilde{\mathcal{N}}? \mathbb{D} \mu \tilde{\mathcal{N}} \bullet \mathbb{D}^\circ \mathbb{D}^\circ \tilde{\mathcal{N}} \bullet \mathbb{D}^{3/4} \mathbb{D} \pm \tilde{\mathcal{N}}? \mathbb{D}^\circ \mathbb{D} \pm \mathbb{D}^{3/4} \tilde{\mathcal{N}}? \mathbb{D}^\circ \mathbb{D}^\circ.$

2. $\mathbb{D} \oplus \mu \mathbb{D}^\circ \oplus \mathbb{D}^\circ \tilde{N} \oplus \mathbb{D} \tilde{N} \oplus \mathbb{D}^{\frac{1}{2}} \mathbb{D}^\circ \tilde{N} \oplus \mu \tilde{N} \oplus \mathbb{D}^{\frac{1}{4}} \mathbb{D} \tilde{N} \oplus \mu \tilde{N} \oplus \mathbb{D}^\circ \tilde{N} \oplus \tilde{N} \oplus \mathbb{D}^{\frac{3}{4}} \mathbb{D} \pm \tilde{N} \oplus \mathbb{D}^\circ \mathbb{D} \pm \mathbb{D}^{\frac{3}{4}} \tilde{N} \oplus \mathbb{D}^\circ \tilde{N}?$

- **EN8:** $\frac{3}{4}D \pm \tilde{N} ? \tilde{N} ? \frac{1}{2}D \frac{3}{4} D, \tilde{N} \cdot D \frac{3}{4} D \gg \tilde{N} ? D \cdot \tilde{N} ? D \mu \tilde{N} ? \tilde{N} \cdot \tilde{N} \cdot D^2$
 $\frac{1}{2}D \frac{3}{4} \tilde{N} ? \frac{1}{4}D^{\circ} D \gg D, D \cdot \frac{3}{4}D^{\circ} D^{\circ} \frac{1}{2}D \frac{1}{2}D \frac{3}{4}D \frac{1}{4} D, D \gg D, D \frac{3}{4} \tilde{N} ? D \frac{1}{2}D \frac{1}{2}D \frac{3}{4}D \frac{1}{4} \tilde{N} \cdot D \frac{3}{4} \tilde{N} \cdot$
 $\tilde{N} ? D \frac{3}{4} \tilde{N} \cdot D \frac{1}{2}D, D, .$
- **EN9:** $\frac{3}{4} \tilde{N} ? D \gg D, \tilde{N} ? \frac{1}{2}D \frac{3}{4} D \frac{3}{4} D^{\circ} \tilde{N} D \frac{3}{4} D^{\circ} D, \tilde{N} ? D^{\circ} D \gg \tilde{N} \cdot D \cdot D^{\circ} D^{\circ} D \gg D^{\circ} D, D, D \frac{3}{4} \tilde{N} ? D \frac{1}{2} \tilde{N} ? \tilde{N} \cdot$
 $D^{\circ} D^{\circ} (D^{\circ} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? D, D^3 D^{\circ} D \mu \tilde{N} ? \tilde{N} ? D^2 \tilde{N} ? \tilde{N} ? D^{\circ} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? D, HRC 50+).$

3. $D D^{\circ} \tilde{N} \cdot D \frac{1}{2} \tilde{N} ? D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? \tilde{N} ? D^{\circ} D \frac{1}{2} \tilde{N} ? D \frac{1}{2} D \frac{1}{2} \tilde{N} ? D \mu D \frac{1}{2} \tilde{N} ? D, D \frac{1}{4} D \mu D \frac{1}{2} D \mu D \frac{1}{2} D, \tilde{N} \cdot$

- **EN8:** $\tilde{N} ? D \mu \tilde{N} \cdot \tilde{N} ? D \mu \tilde{N} ? \frac{1}{2}D, D \frac{3}{4} \tilde{N} \cdot D, D \pm D \frac{3}{4} D \gg \tilde{N} ? \tilde{N} ? D, D^{\circ} D \mu \tilde{N} ? D^{\circ} D \gg D, D \frac{3}{4} D \pm \tilde{N} ? D \mu D^3 D \frac{3}{4}$
 $D \frac{1}{4} D^{\circ} \tilde{N} ? D, D \frac{1}{2} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? \tilde{N} ? D \frac{3}{4} D \mu D \frac{1}{2} D, \tilde{N} \cdot$
- **EN9:** $D^2 \tilde{N} ? \tilde{N} \cdot D \frac{3}{4} D^{\circ} D \frac{3}{4} D \frac{1}{2} D^{\circ} D^3 \tilde{N} ? \tilde{N} ? D \parallel D \mu D \frac{1}{2} D \frac{1}{2} \tilde{N} ? D \mu D^{\circ} D \frac{3}{4} D \frac{1}{4} D \frac{3}{4} D \frac{1}{2} D \mu D \frac{1}{2} \tilde{N} ? \tilde{N} ?,$
 $\tilde{N} ? D^{\circ} D^{\circ} D, D \mu D^{\circ} D^{\circ} D \frac{1}{2} D^{\circ} D \gg \tilde{N} ? \tilde{N} ? \tilde{N} ?, D^2 D^{\circ} D \gg \tilde{N} ? D, \tilde{N} ? D \mu D \parallel \tilde{N} ? \tilde{N} ? D, D^1 D, D \frac{1}{2} \tilde{N} \cdot$
 $\tilde{N} ? \tilde{N} ? \tilde{N} ? D \frac{1}{4} D \mu D \frac{1}{2} \tilde{N} ?$

$D D^{\circ} D^2 D, D^2 D^{\circ} D \gg D \mu D \frac{1}{2} \tilde{N} ? \tilde{N} ? D, D^{\circ} D \gg \tilde{N} ? \tilde{N} ? D \mu \tilde{N} ? D \frac{1}{2} D^{\circ} \tilde{N} ? D, D^2 \tilde{N} ?$

- **EN8** $\hat{a}??$ AISI 1040 (USA) | **EN9** $\hat{a}??$ AISI 1060 (USA).
- $D ? D \gg \tilde{N} \cdot \tilde{N} ? D \gg \tilde{N} ? \tilde{N} ? \tilde{N} ? D \mu D \frac{1}{2} D \frac{1}{2} D \frac{3}{4} D^1 D \frac{3}{4} D \pm \tilde{N} ? D^{\circ} D \pm D^{\circ} \tilde{N} ? \tilde{N} ? D^2 D^{\circ} D \mu D \frac{1}{4} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? D, : EN1A$
 $(D^{\circ} D^2 \tilde{N} ? D \frac{3}{4} D \frac{1}{4} D^{\circ} \tilde{N} ? D \frac{1}{2} D^{\circ} \tilde{N} \cdot \tilde{N} \cdot \tilde{N} ? D^{\circ} D \gg \tilde{N} ?).$

$D ? D^{\circ} D^{\circ} \tilde{N} ? \tilde{N} ? D \frac{1}{4} D^{\circ} \tilde{N} ? D^{\circ} \tilde{N} ? \tilde{N} \cdot D \gg D \mu D^{\circ} \tilde{N} ? D \mu \tilde{N} ? D^2 \tilde{N} ? D \pm \tilde{N} ? D^{\circ} \tilde{N} ? \tilde{N} ? ?$

- $D \cdot \tilde{N} ? D \parallel D \frac{1}{2} \tilde{N} ? D \frac{1}{2} \tilde{N} ? D \frac{3}{4} \tilde{N} ? D \frac{1}{2} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? \tilde{N} ? + \tilde{N} \cdot D^2 D^{\circ} \tilde{N} ? D, D^2 D^{\circ} D \mu D \frac{1}{4} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? \tilde{N} ? ? \hat{a}?? EN8$
- $D \phi \tilde{N} ? D \mu D \pm \tilde{N} ? D \mu \tilde{N} ? \tilde{N} \cdot \tilde{N} \cdot \tilde{N} ? \tilde{N} ? D \mu D \cdot D^2 \tilde{N} ? \tilde{N} ? D^{\circ} D^1 D \frac{1}{2} D \frac{3}{4} D^2 \tilde{N} ? \tilde{N} \cdot D \frac{3}{4} D^{\circ} D^{\circ} \tilde{N} \cdot \tilde{N} ? D^2 \tilde{N} ? \tilde{N} ? D^{\circ} D \frac{3}{4} \tilde{N} \cdot$
 $\tilde{N} ? \tilde{N} ? ? \hat{a}?? EN9 (\tilde{N} ? D \mu \tilde{N} ? D \frac{1}{4} D, \tilde{N} ? D \mu \tilde{N} \cdot D^{\circ} D, D \frac{3}{4} D \pm \tilde{N} ? D^{\circ} D \pm D \frac{3}{4} \tilde{N} ? D^{\circ} D \frac{1}{2} D \frac{1}{2} D^{\circ} \tilde{N} \cdot)$

SteelMet Industries $D \frac{1}{2} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? D^{\circ} D^2 D \gg \tilde{N} \cdot D \mu \tilde{N} ? :$

$\partial^{??1} D^{\circ} \tilde{N} ? \tilde{N} ? D^3 D \gg \tilde{N} ? D \mu D \frac{1}{2} \tilde{N} ? \tilde{N} ? \tilde{N} ? D^{\circ} D, D \frac{1}{2} D \frac{3}{4} D \gg D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? D,$
 $D, D \frac{1}{2} D^{\circ} D, D^2 D, D^{\circ} \tilde{N} ? D^{\circ} D \gg \tilde{N} ? D \frac{1}{2} \tilde{N} ? D \mu D \frac{1}{2} D \frac{3}{4} D^{\circ} D^3 D^{\circ} D, EN8/EN9$
 $\partial^{??1} D \cdot D^{\circ} \tilde{N} ? D^{\circ} D \frac{1}{2} D \mu D \mu D \frac{1}{2} D^{\circ} \tilde{N} ? D \mu D \cdot D^{\circ} D \frac{1}{2} D \frac{1}{2} \tilde{N} ? D \mu \tilde{N} ? D^{\circ} D \cdot D \frac{1}{4} D \mu \tilde{N} ? \tilde{N} ?, \tilde{N} ? D \frac{3}{4} \tilde{N} ? \tilde{N} ? D \frac{1}{2} \tilde{N} ? \tilde{N} ?,$
 $\tilde{N} ? \tilde{N} \cdot D \frac{1}{2} \tilde{N} ? \tilde{N} ? \tilde{N} ? \tilde{N} ? D, D \gg D, \tilde{N} ? D \gg D, \tilde{N} ? D \frac{3}{4} D^2 D^{\circ} D \frac{1}{2} D \frac{1}{2} \tilde{N} ? \tilde{N} ? D \frac{1}{2} D \frac{3}{4} D^2 D \mu \tilde{N} ? \tilde{N} D \frac{1}{2} D \frac{3}{4} \tilde{N} \cdot \tilde{N} ? \tilde{N} ?$

$\delta^{??1} \mathfrak{D}^2 \mathfrak{D}^{\circ} \tilde{\mathfrak{N}}? \mathfrak{D}, \mathfrak{D}^{\circ} \mathfrak{D}^{1/2} \tilde{\mathfrak{N}}? \tilde{\mathfrak{N}}? \tilde{\mathfrak{N}} \cdot \tilde{\mathfrak{N}}? \mathfrak{D} \mu \tilde{\mathfrak{N}}? \mathfrak{D}^{1/4} \mathfrak{D}, \tilde{\mathfrak{N}}? \mathfrak{D} \mu \tilde{\mathfrak{N}} \cdot \mathfrak{D}^{\circ} \mathfrak{D}^{3/4} \mathfrak{D}^1 \mathfrak{D}^{3/4} \mathfrak{D} \pm \tilde{\mathfrak{N}}? \mathfrak{D}^{\circ} \mathfrak{D} \pm \mathfrak{D}^{3/4} \tilde{\mathfrak{N}}? \mathfrak{D}^{\circ} \mathfrak{D}^{3/4} \mathfrak{D}^1$
 $(\mathfrak{D}^{3/4} \tilde{\mathfrak{N}}? \mathfrak{D}^{3/4} \mathfrak{D} \parallel \mathfrak{D} \parallel \tilde{\mathfrak{N}}? \mathfrak{D}^{1/2} \mathfrak{D}^{1/2} \tilde{\mathfrak{N}}? \mathfrak{D} \mu \mathfrak{D}, \mathfrak{D} \gg \mathfrak{D}, \mathfrak{D}^{1/2} \mathfrak{D}^{3/4} \tilde{\mathfrak{N}}? \mathfrak{D}^{1/4} \mathfrak{D}^{\circ} \mathfrak{D} \gg \mathfrak{D}, \mathfrak{D} \cdot \mathfrak{D}^{3/4} \mathfrak{D}^2 \mathfrak{D}^{\circ} \mathfrak{D}^{1/2} \mathfrak{D}^{1/2} \tilde{\mathfrak{N}}? \mathfrak{D} \mu \mathfrak{D}, \mathfrak{D} \gg \mathfrak{D},$
 $\mathfrak{D} \cdot \mathfrak{D}^{\circ} \mathfrak{D}^{\circ} \mathfrak{D} \gg \tilde{\mathfrak{N}}? \mathfrak{D}^{1/2} \mathfrak{D}^{1/2} \tilde{\mathfrak{N}}? \mathfrak{D} \mu \mathfrak{D}, \mathfrak{D}^{3/4} \tilde{\mathfrak{N}}? \mathfrak{D} \zeta \tilde{\mathfrak{N}}? \tilde{\mathfrak{N}}? \mathfrak{D} \mu \mathfrak{D}^{1/2} \mathfrak{D}^{1/2} \tilde{\mathfrak{N}}? \mathfrak{D} \mu)$

$\delta^{???} \mathfrak{D}_i \mathfrak{D}^2 \tilde{\mathfrak{N}} \cdot \mathfrak{D} \mathfrak{T} \mathfrak{D}, \tilde{\mathfrak{N}} ? \mathfrak{D} \mu \tilde{\mathfrak{N}} \cdot \tilde{\mathfrak{N}} ? \tilde{\mathfrak{N}} \cdot \mathfrak{D}^{1/2} \mathfrak{D}^{\circ} \mathfrak{D}^{1/4} \mathfrak{D}, \mathfrak{D}' \mathfrak{D} \gg \tilde{\mathfrak{N}} \cdot \mathfrak{D} \zeta \mathfrak{D}^{3/4} \mathfrak{D} \gg \tilde{\mathfrak{N}} ? \tilde{\mathfrak{N}} ? \mathfrak{D} \mu \mathfrak{D}^{1/2} \mathfrak{D}, \tilde{\mathfrak{N}} \cdot \tilde{\mathfrak{N}} ? \mathfrak{D} \mu \tilde{\mathfrak{N}} \mathfrak{D}^{1/2} \mathfrak{D}, \tilde{\mathfrak{N}} ? \mathfrak{D} \mu \tilde{\mathfrak{N}} \cdot \mathfrak{D}^{\circ} \mathfrak{D}, \tilde{\mathfrak{N}} \tilde{\mathfrak{N}} \mathfrak{D}^{\circ} \tilde{\mathfrak{N}} ? \mathfrak{D}^{\circ} \mathfrak{D}^{\circ} \tilde{\mathfrak{N}} ? \mathfrak{D} \mu \tilde{\mathfrak{N}} ? \mathfrak{D}, \tilde{\mathfrak{N}} \cdot \tilde{\mathfrak{N}} ? \mathfrak{D}, \mathfrak{D}^{\circ} \mathfrak{D}, \mathfrak{D} \gg \mathfrak{D}, \mathfrak{D}^{3/4} \tilde{\mathfrak{N}} ? \mathfrak{D}^{3/4} \tilde{\mathfrak{N}} ? \mathfrak{D}^{1/4} \mathfrak{D} \gg \mathfrak{D} \mu \mathfrak{D}^{1/2} \mathfrak{D}, \tilde{\mathfrak{N}} \cdot \mathfrak{D}^{3/4} \mathfrak{D} \zeta \tilde{\mathfrak{N}} ? \mathfrak{D}^{3/4} \mathfrak{D}^2 \tilde{\mathfrak{N}} ? \tilde{\mathfrak{N}} \mathfrak{D} \cdot \mathfrak{D}^{\circ} \mathfrak{D}^{\circ} \mathfrak{D}^{\circ} \mathfrak{D} \cdot \mathfrak{D}^{3/4} \mathfrak{D}^2!$

Ð?Ð°Ð°Ð»Ñ?Ñ?ÐµÐ½Ð½Ðµ

EN8 Đ, EN9 Đ_đ Ñ?ĐμĐ'Đ¹Đ°Đ·Đ¹Đ°Ñ?ĐμĐ¹Ñ?Đ'Đ»Ñ·Ñ?Đ°Đ·Đ¹Ñ?ÑĐ·Đ°Đ'Đ°Ñ?â?? EN8 Đ'Đ»Ñ·Ñ·Đ±Đ°Đ»Đ°Đ¹Ñ·Đ,Ñ?Đ³Đ°Đ°Đ¹Đ¹Ñ?ÑÑ·Đ°Đ³Đ¹Ñ·Ñ?Đ², EN9 Đ'Đ»Ñ·Đ°Ñ?Ñ·Đ³Đ°Đ³Đ¹Ñ?Đ°Ñ?Ñ?Đ'Đ³Ñ·Ñ?Đ,Đ?Đ³Đ¹Đ¹Đ,Đ¹Đ°Đ¹Đ¹Đ,ĐμĐ,ÑÑÑ?Đ°Đ·Đ»Đ,Ñ?Đ,Đ¹Đ³Đ±ĐμÑ·Đ_đĐμÑ?Đ,Đ°Đ°ĐμÑ?Đ³Đ_đÑ?Đ,Đ¹Đ°Đ»Ñ?Đ¹Đ°Ñ?Đ±Đ³Ñ?Đ¹Đ°Ñ?ĐμÑ?Đ,Đ°Đ»Đ°.

SteelMet Industries ደረጃ³/₄ሺ•ሺ?ዕ°ደ²ደ»ሺ•ደሚን? ደ³/₄ደ±ደሚ ደ¹/₄ደ°ሺ?ደ°ደ, ደ² ሺ•ደ³/₄ሺ•ሺ?ደ³/₄ሺ•ደ¹/₂ደ, ደ, ደ³ደ³/₄ሺ?ደ³/₄ደ²ደ³/₄ደ¹/₄ ደ° ደ¹/₄ደሚ ሺ°ደ¹/₂ደ, ሺ?ደሚሺ•ደ°ደ³/₄ደ¹ ደ³/₄ደ±ሺ?ደ°ደ±ደ³/₄ሺ?ደ°ደሚ, ደ, ደ»ደ, ደረጃ³/₄ሺ•ደ»ደሚ ሺ?ደሚሺ?ደ¹/₄ደ, ሺ?ደሚሺ•ደ°ደ³/₄ደ¹ ደ³/₄ደ±ሺ?ደ°ደ±ደ³/₄ሺ?ደ°ደ, ለ?? ደረጃ³/₄ደ»ሺ?ሺ?ደ, ሺ?ደሚ ደረጃሺ?ደሚደ°ደ»ደ³/₄ደፑደሚደ¹/₂ደ, ደሚ ሺ?ደፑደሚ ሺ•ደሚደ³/₄ደ°ደ¹/₂ሺ!

Đ?Đ°Ñ?ĐµĐ³Đ¾Ñ?Đ,Ñ•

1. BS970 1955 EN8 Steel and variants
2. $\frac{1}{2}$ 1008, $\frac{1}{2}$ 1006, $\frac{1}{2}$ 1005, $\frac{1}{2}$ 1004, $\frac{1}{2}$ 1003, $\frac{1}{2}$ 1002, $\frac{1}{2}$ 1001
3. Posts

 $\mathfrak{D}^? \mathfrak{D} \mu \tilde{N}^? \mathfrak{D}^0 \mathfrak{D}_,$

- ## 1. Steelmet Industries

Đ?Đ³/₄ Đ'Đ°Ñ?Đ_μ Ñ•Đ³/₄Đ•Đ'Đ°Đ¹/₂Đ, Ñ•

25/09/2026

Đ•Đ²Ñ?Đ^{3/4}Ñ?

admin