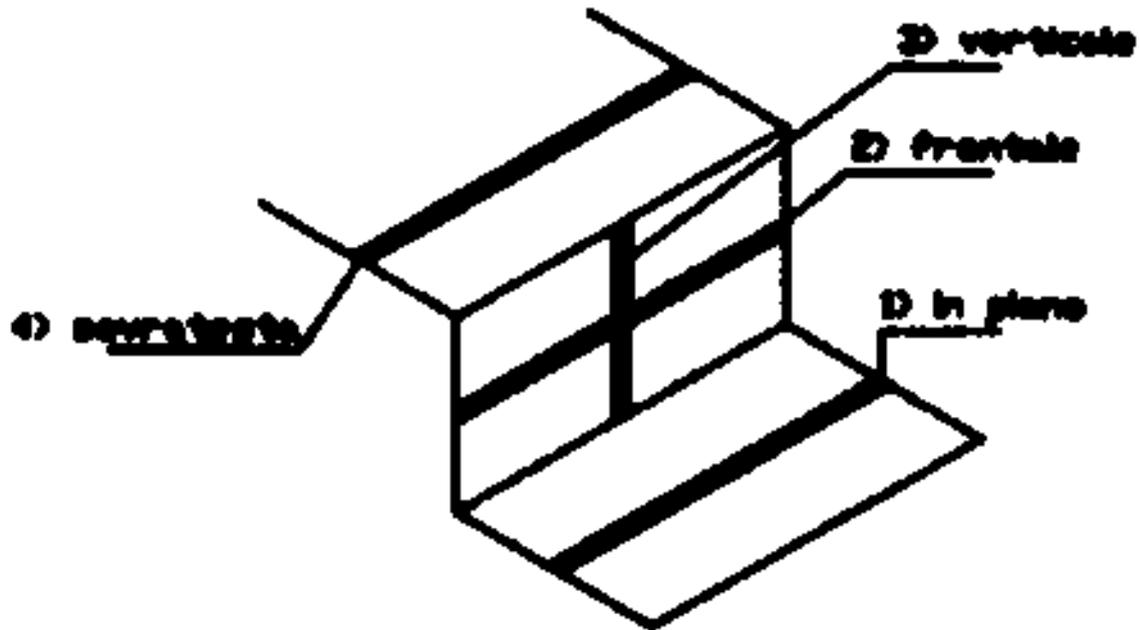


UNIONI SALDATE

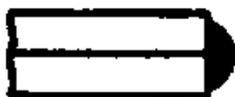
Costruzione di macchine I

CLASSIFICAZIONE





1) testa a testa



2) d'orlo



3) d'angolo



4) a T

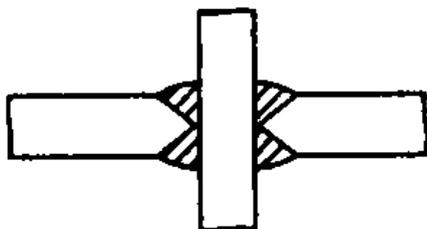


5) a L

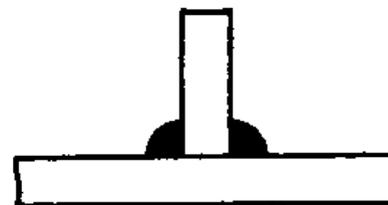


6) per sovrapposizione

A completa
penetrazione

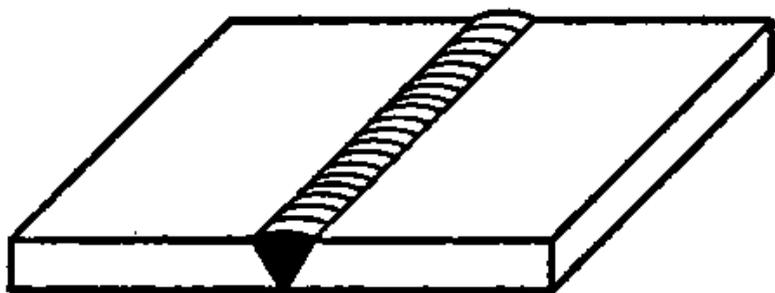


D'angolo

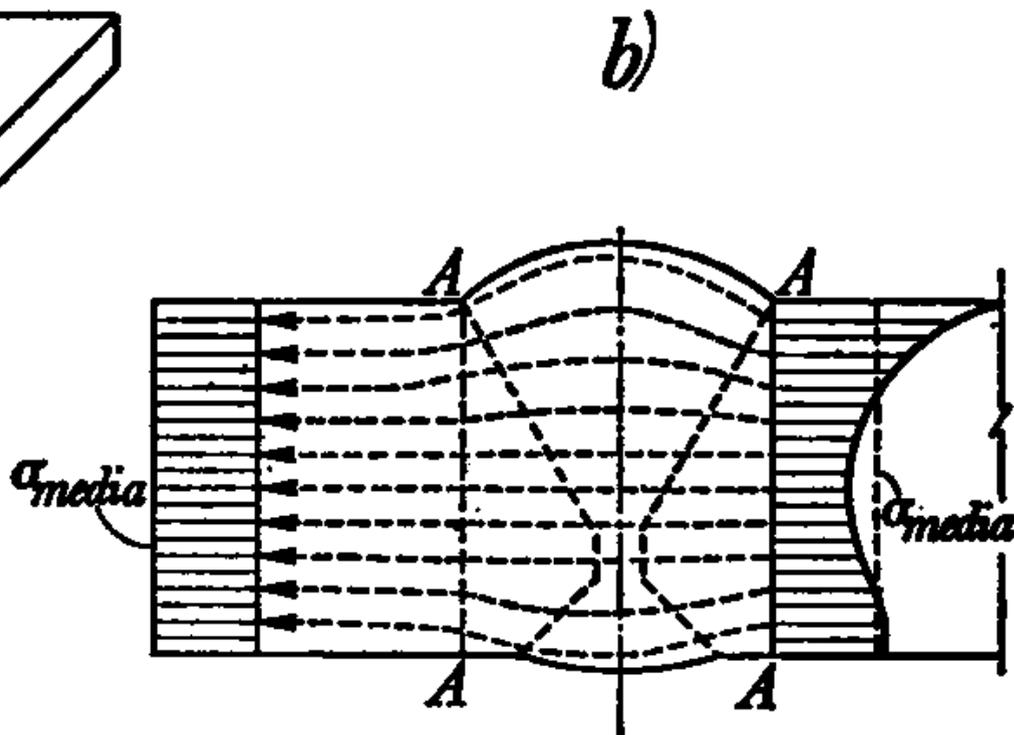


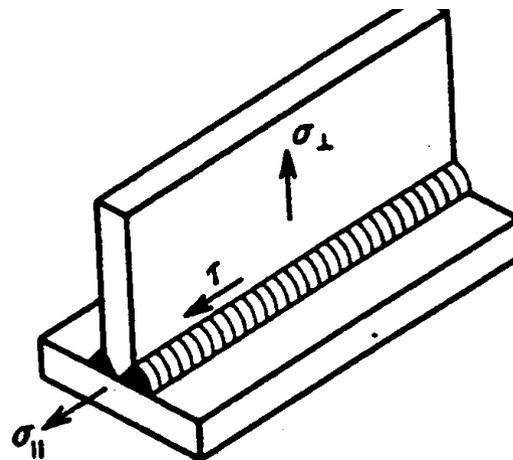
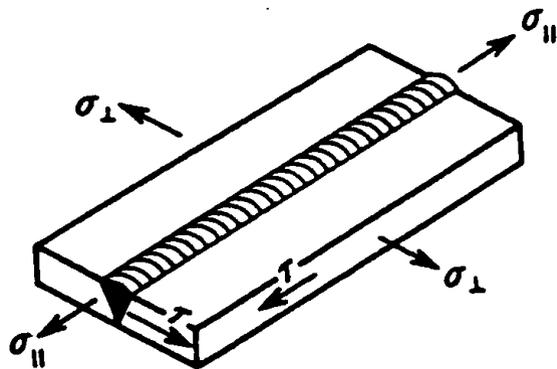
b)

Completa penetrazione



a)

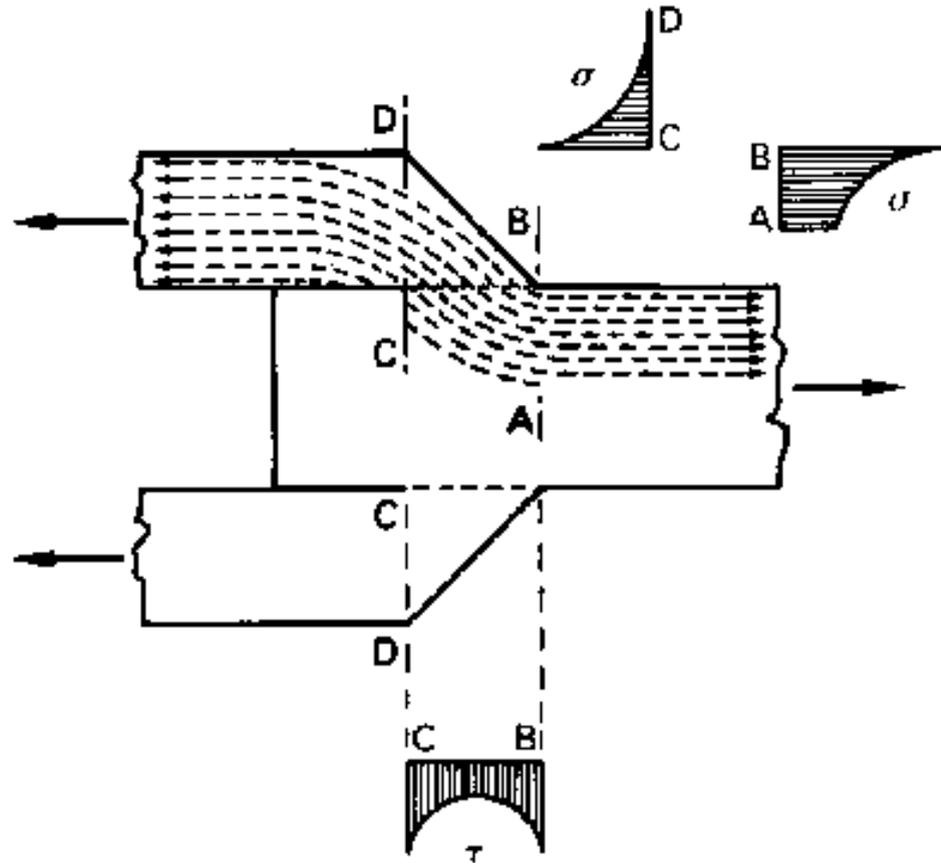
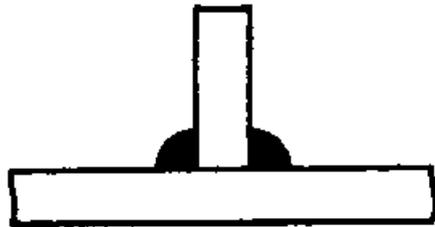
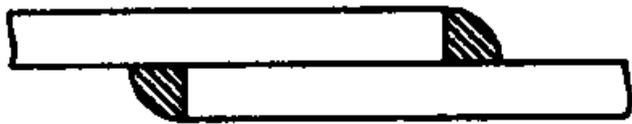


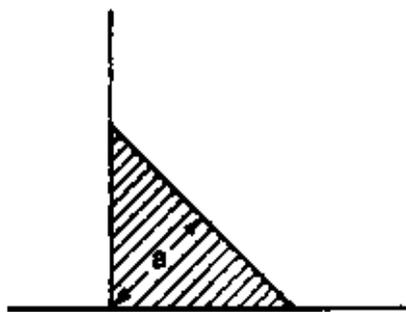


$$\sigma_{id} = \sqrt{\sigma_{\perp}^2 + \sigma_{\parallel}^2 - \sigma_{\perp} \cdot \sigma_{\parallel} + 3 \cdot \tau^2} \leq n_W \cdot \sigma_{adm}$$

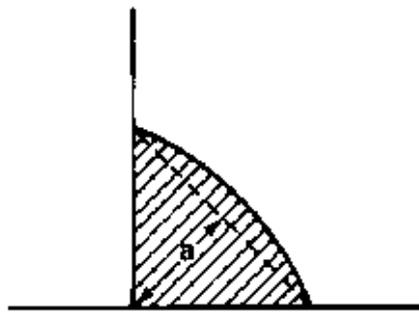
Tensione ammissibile	
Giunto	$\sigma_{id} \leq$
I classe	σ_{adm}
II classe	$0,85 \sigma_{adm}$
σ_{adm} tensione ammissibile del materiale base di cui al prospetto 4-lb.	

Cordoni d'angolo

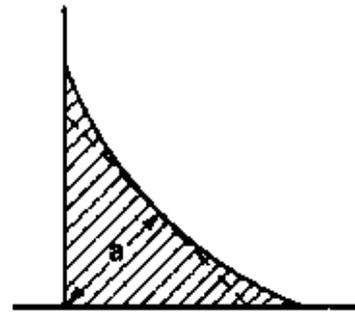




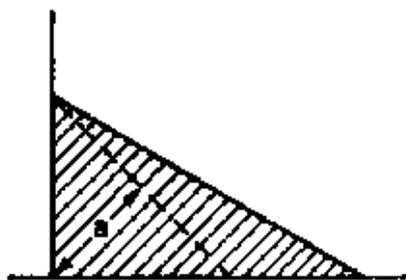
a)



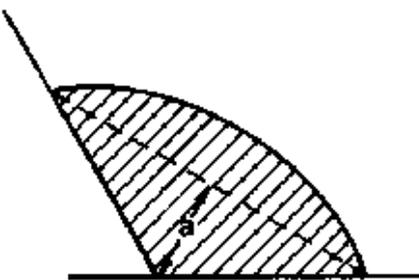
b)



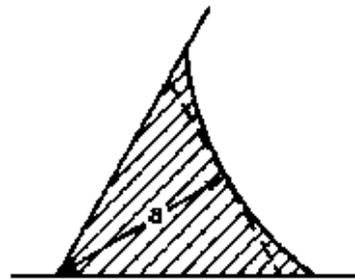
c)



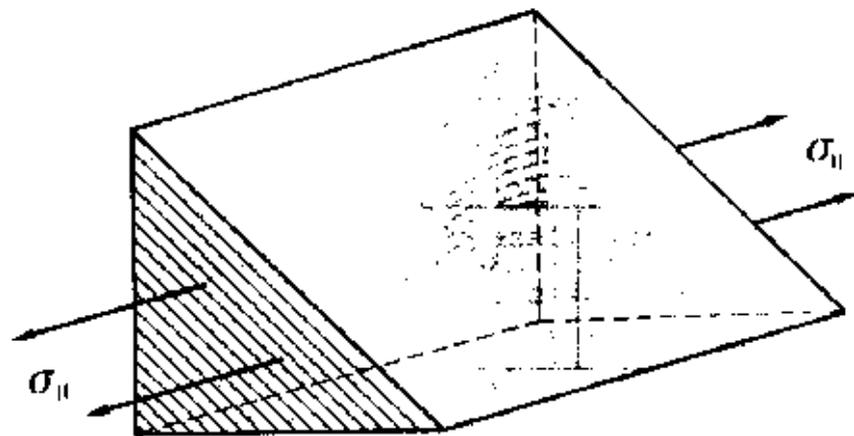
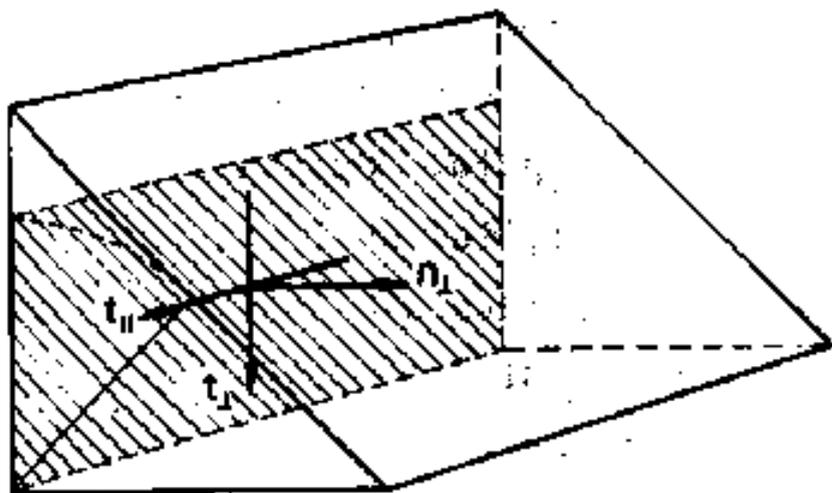
d)

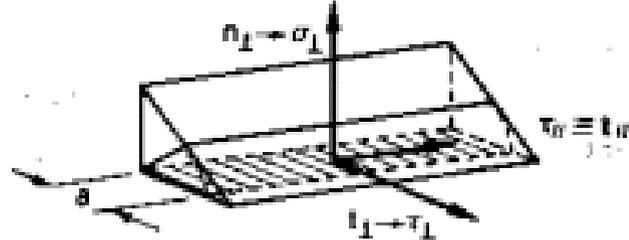


e)



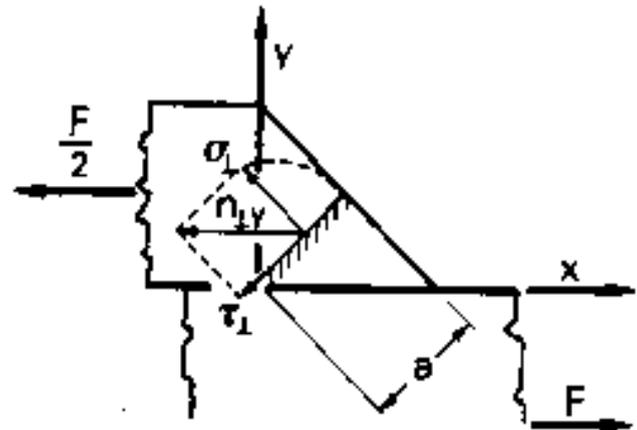
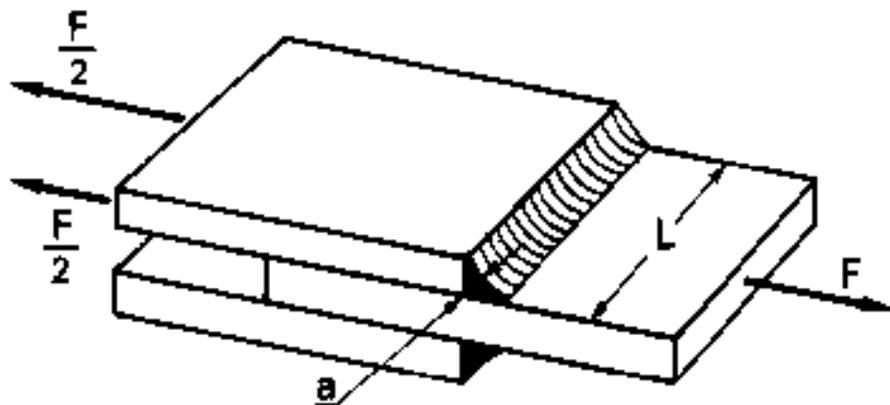
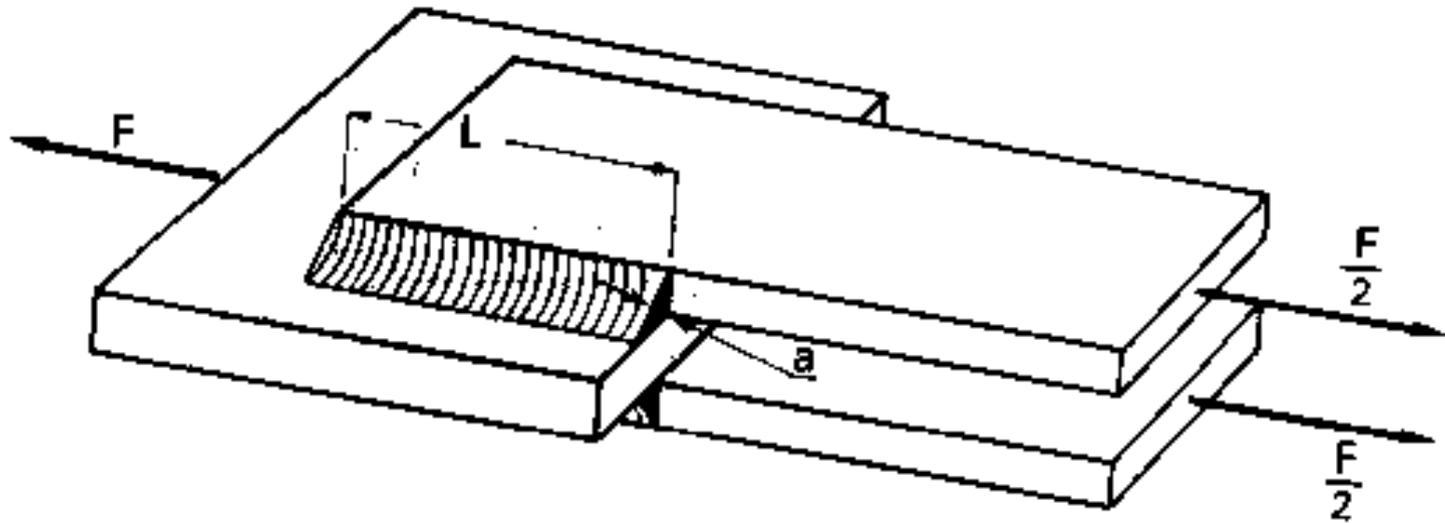
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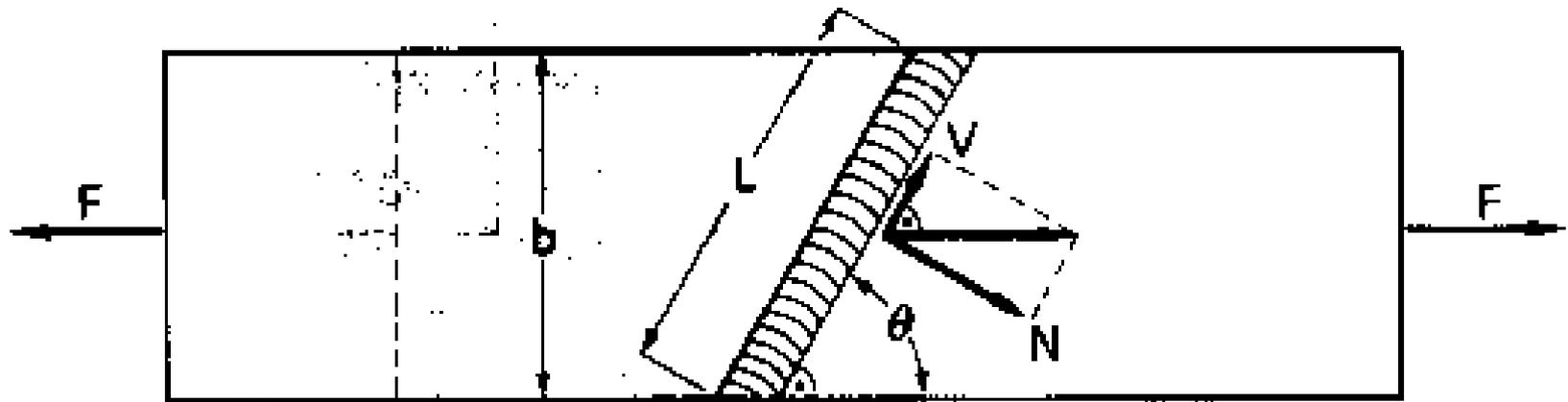
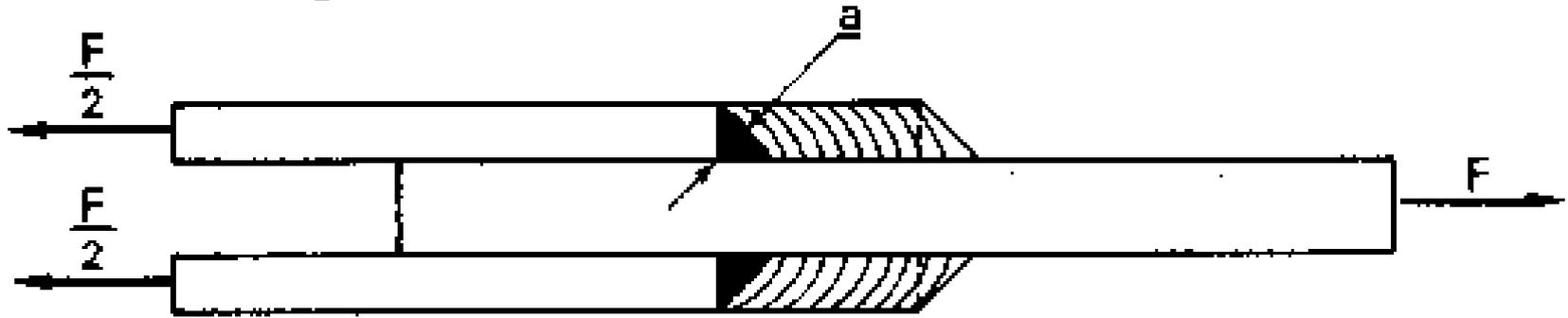


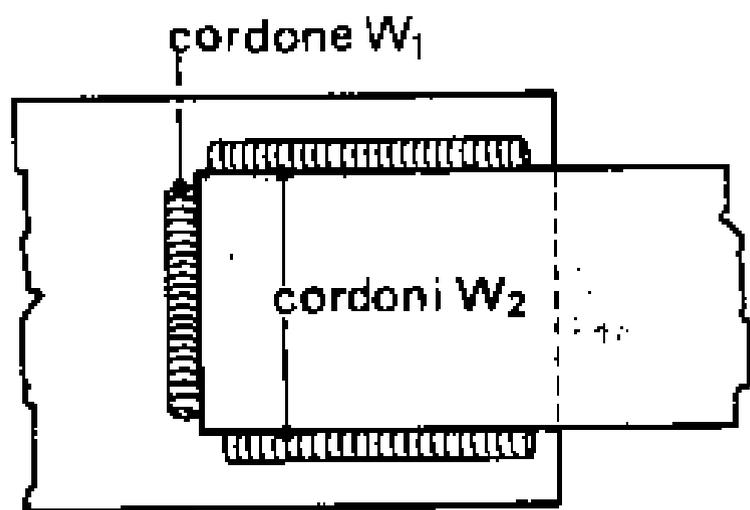


CASO	CONDIZIONE DI SOLLECITAZIONE	LIMITAZIONI	Fe360	Fe420 Fe510
1		$\sqrt{\tau_{\perp}^2 + \sigma_{\perp}^2 + \tau_{\parallel}^2} \leq$ $ \tau_{\perp} + \tau_{\parallel} \leq$	$0,85 \cdot \sigma_{ceda}$ $1,00 \cdot \sigma_{ceda}$	$0,70 \cdot \sigma_{ceda}$ $0,85 \cdot \sigma_{ceda}$
2		$ \tau_{\perp} + \tau_{\parallel} \leq$ $ \tau_{\perp} \leq$ $ \tau_{\parallel} \leq$	$1,00 \cdot \sigma_{ceda}$ $0,85 \cdot \sigma_{ceda}$ $0,85 \cdot \sigma_{ceda}$	$0,85 \cdot \sigma_{ceda}$ $0,70 \cdot \sigma_{ceda}$ $0,70 \cdot \sigma_{ceda}$
3		$\sqrt{\tau_{\perp}^2 + \tau_{\parallel}^2} \leq$	$0,85 \cdot \sigma_{ceda}$	$0,70 \cdot \sigma_{ceda}$
4		$\sqrt{\sigma_{\perp}^2 + \tau_{\parallel}^2} \leq$	$0,85 \cdot \sigma_{ceda}$	$0,70 \cdot \sigma_{ceda}$
5		$ \tau_{\perp} \leq$	$0,85 \cdot \sigma_{ceda}$	$0,70 \cdot \sigma_{ceda}$
6		$ \tau_{\perp} \leq$	$0,85 \cdot \sigma_{ceda}$	$0,70 \cdot \sigma_{ceda}$
7		$ \tau_{\parallel} \leq$	$0,85 \cdot \sigma_{ceda}$	$0,70 \cdot \sigma_{ceda}$

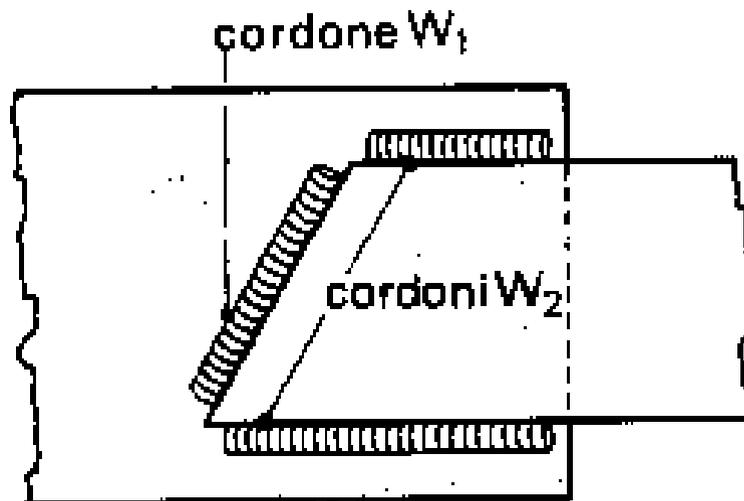
Giunti sollecitati a trazione



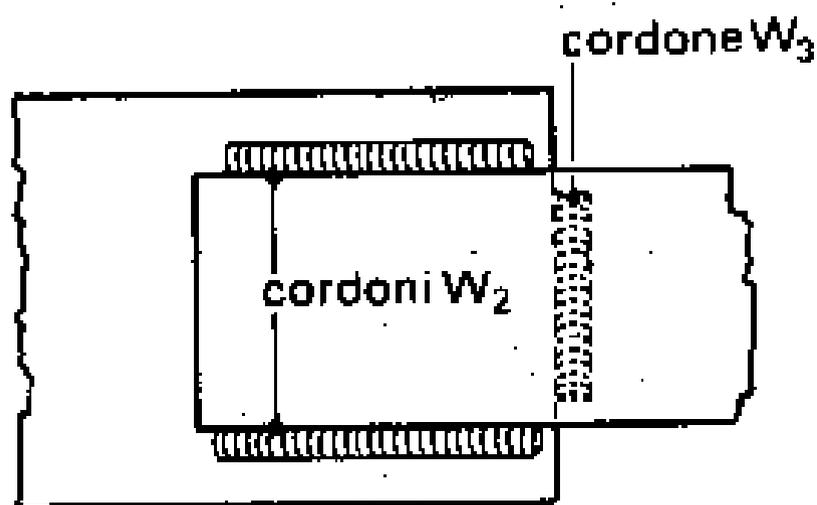




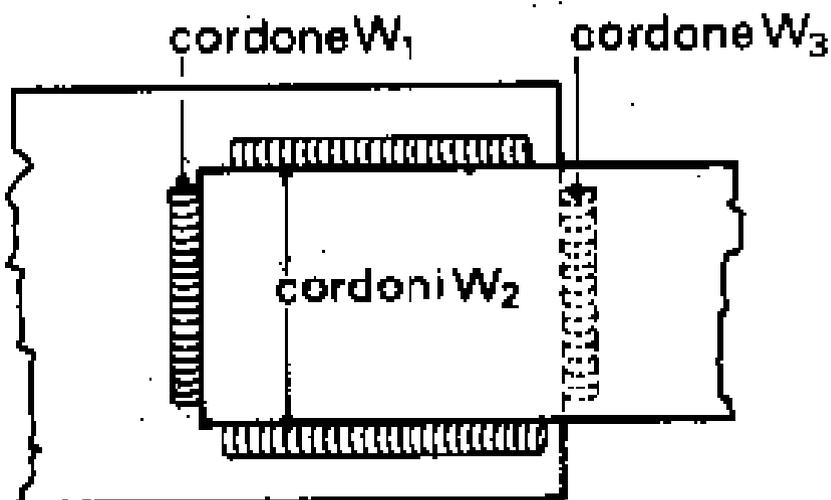
a)



b)



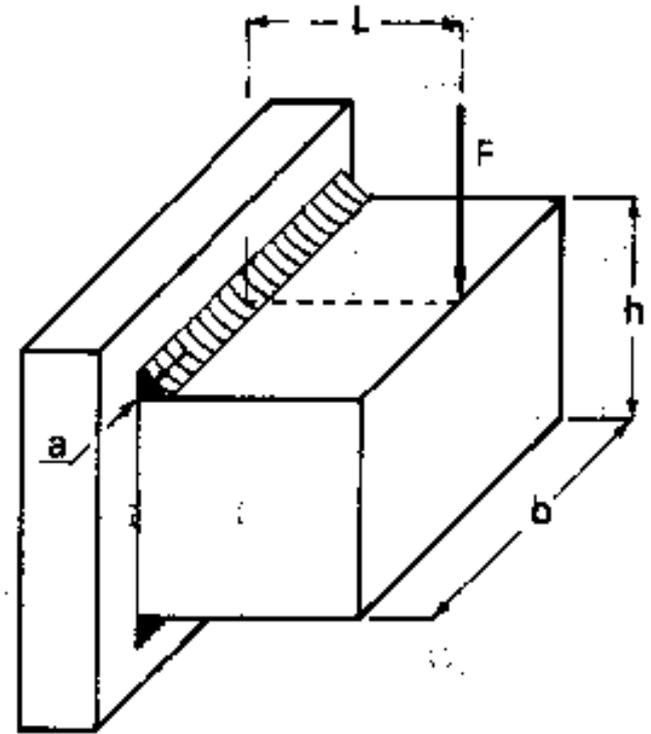
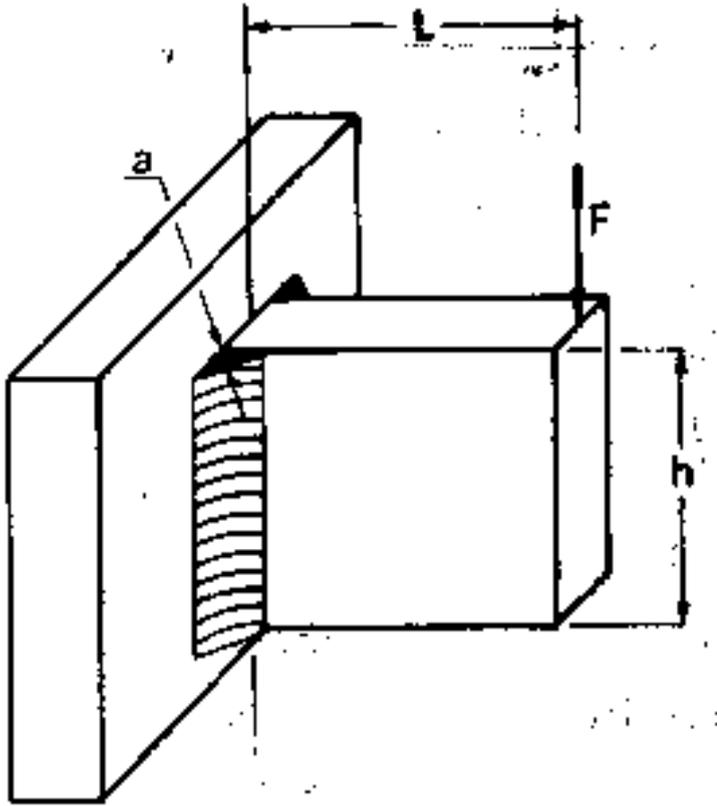
c)



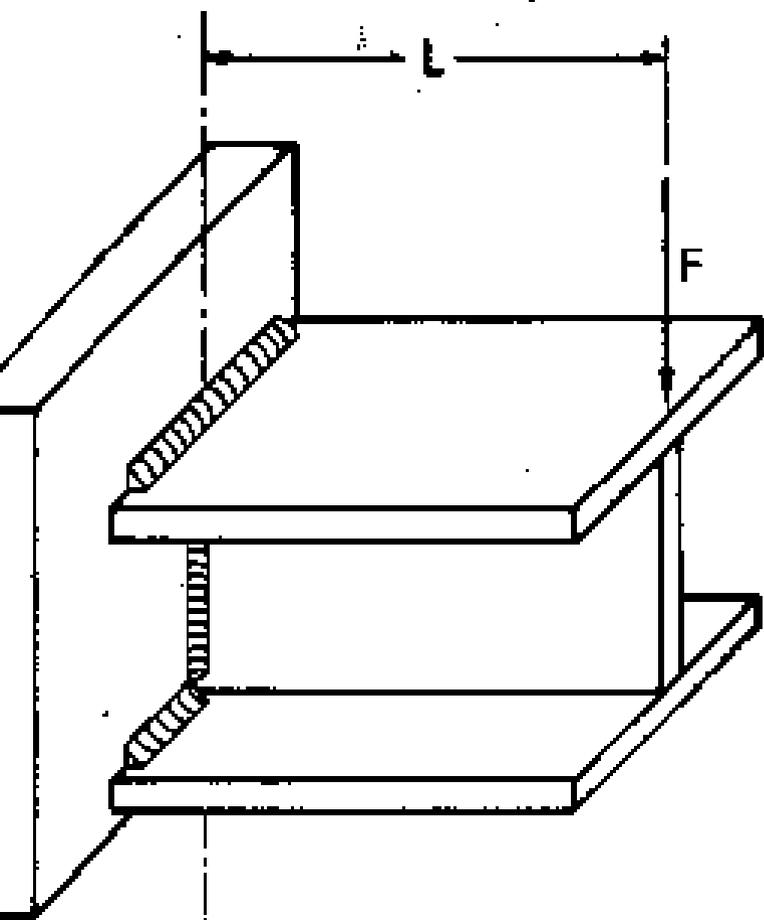
d)

Fig. 5.23

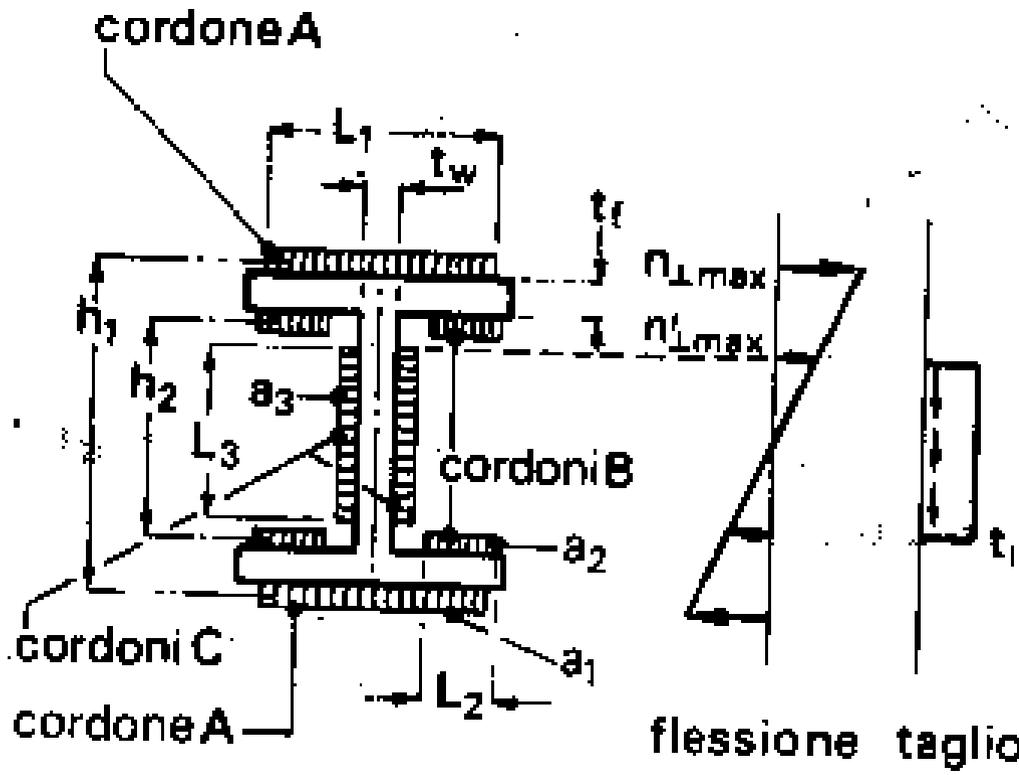
Flessione e taglio



a)



a)



b)

c)

Torsione, flessione e taglio

