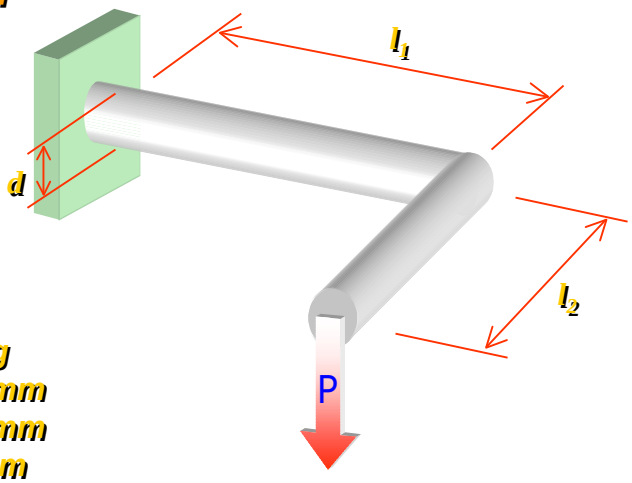
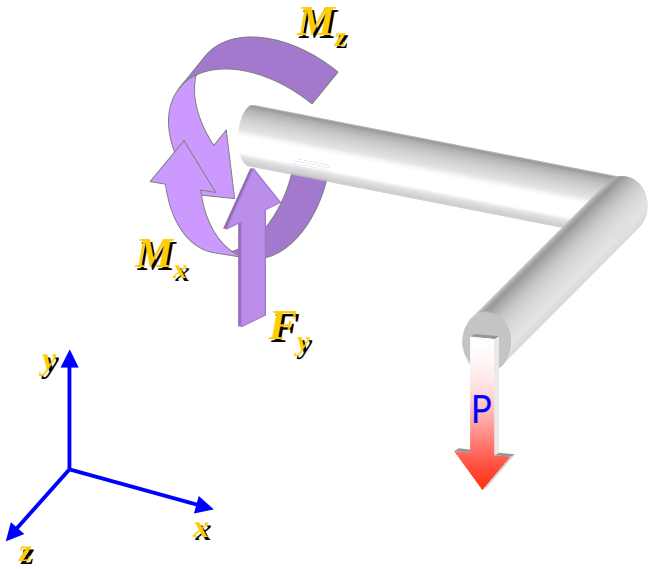
Analisi dello Stato Tensionale

Esempio n° 1:

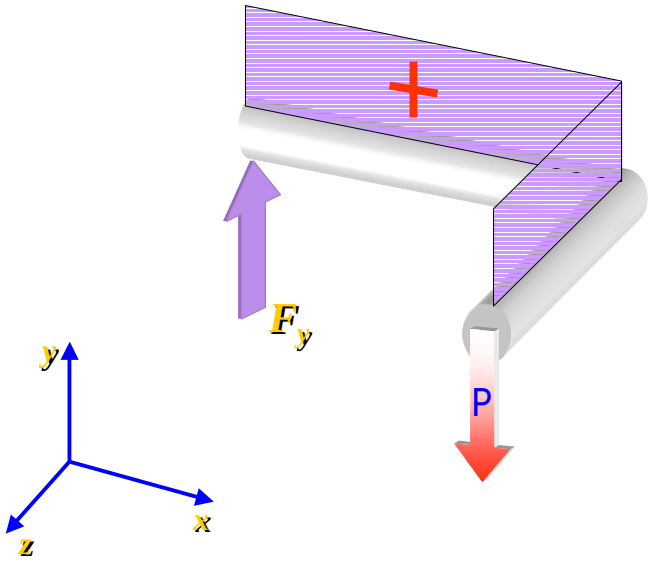


$P = 75\ kg$
$l_1 = 300\ mm$
$l_2 = 180\ mm$
$d = 16\ mm$

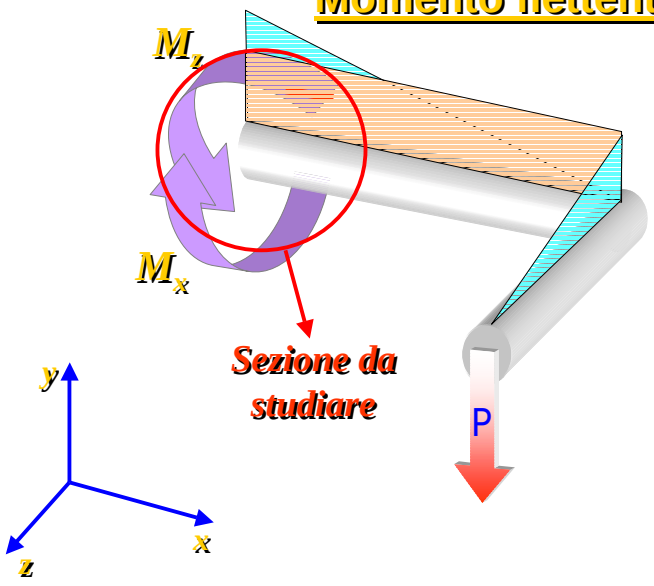
Reazioni vincolari:



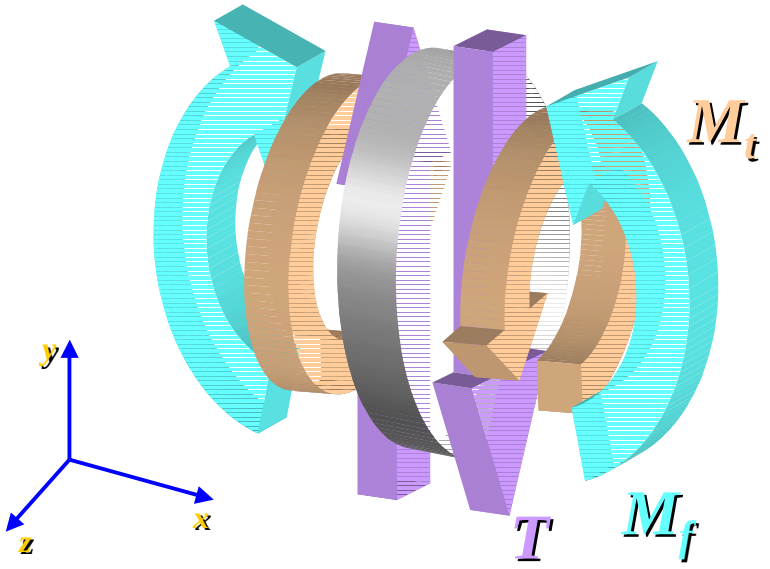
Diagrammi della sollecitazione: Taglio



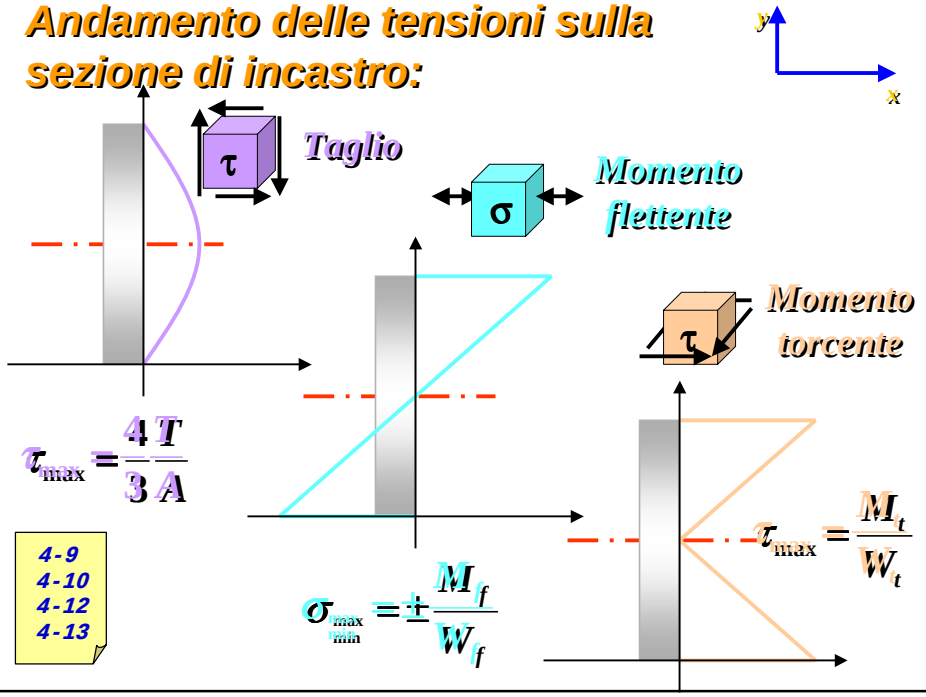
Diagrammi della sollecitazione:
Momento flettente e torcente



Riepilogo delle sollecitazioni sulla sezione di incastro:

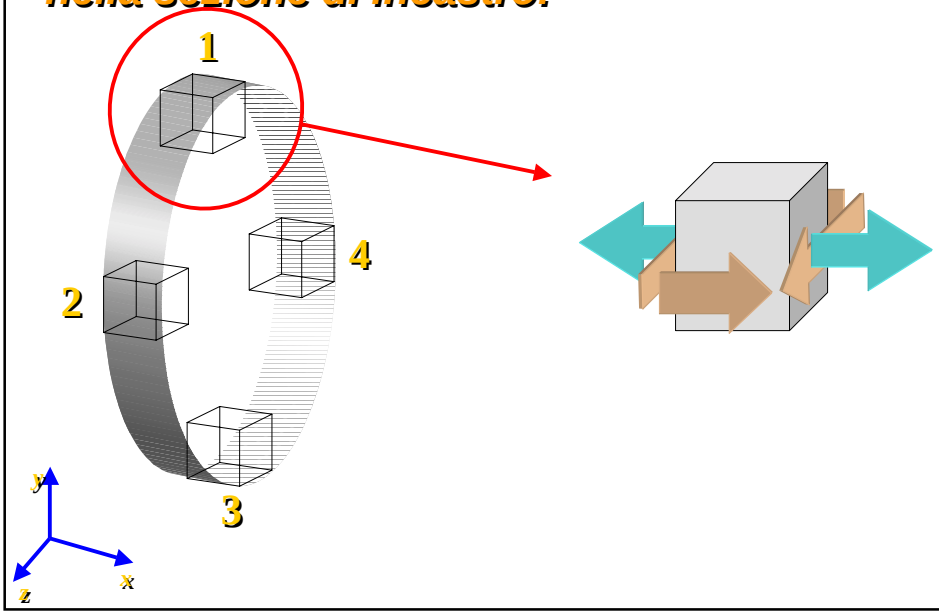


Andamento delle tensioni sulla sezione di incastro:

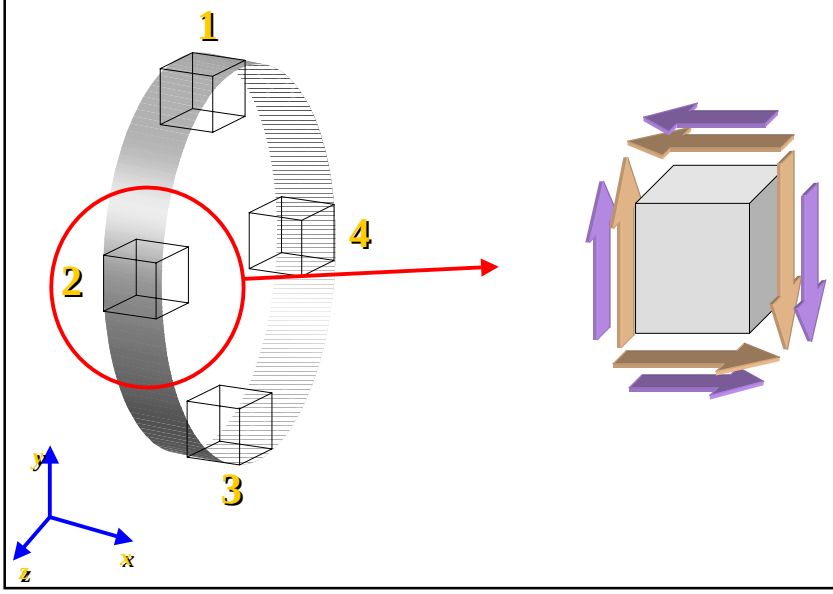


4-9
4-10
4-12
4-13

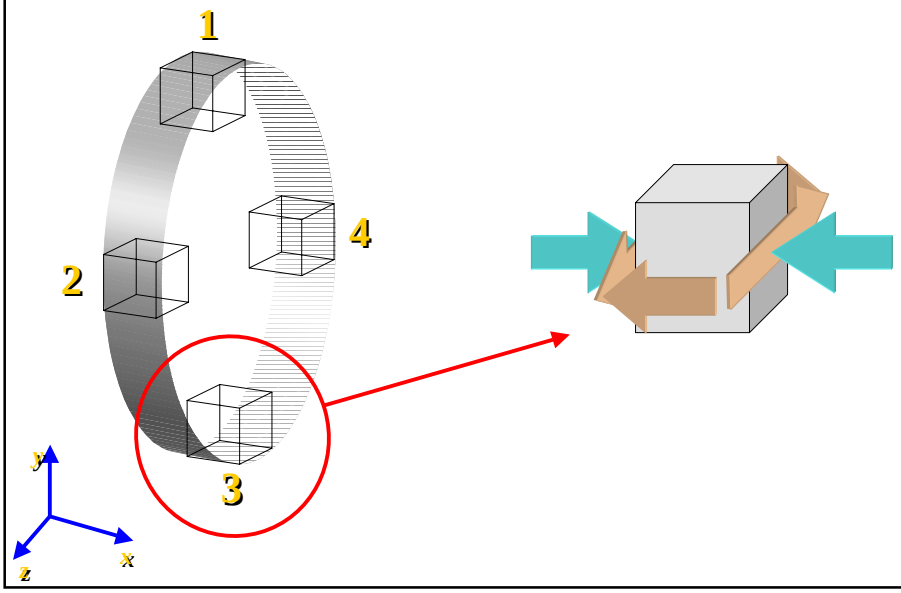
Riepilogo delle sollecitazioni nella sezione di incastro:



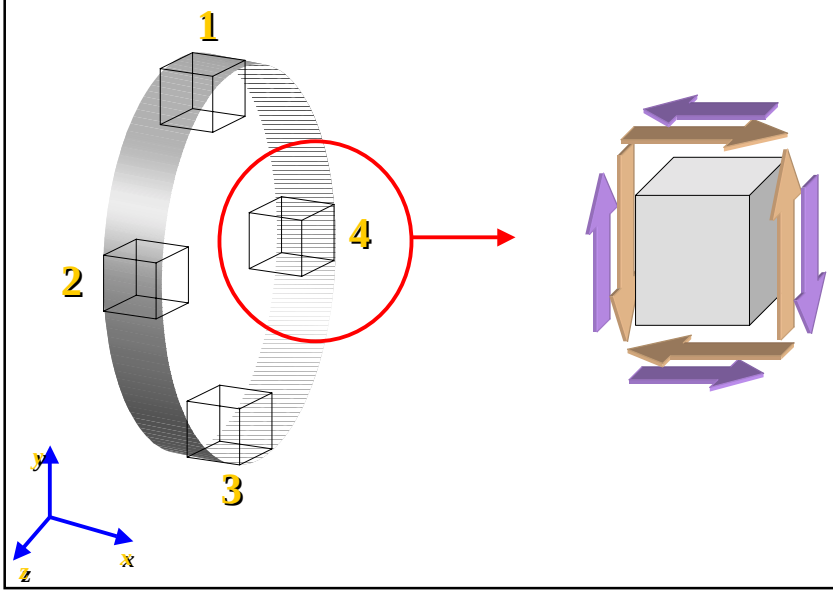
Riepilogo delle sollecitazioni nella sezione di incastro:



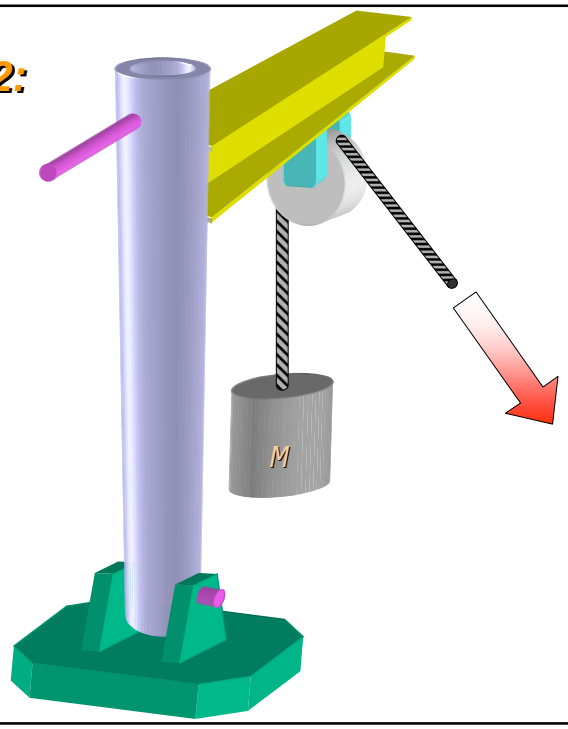
Riepilogo delle sollecitazioni nella sezione di incastro:

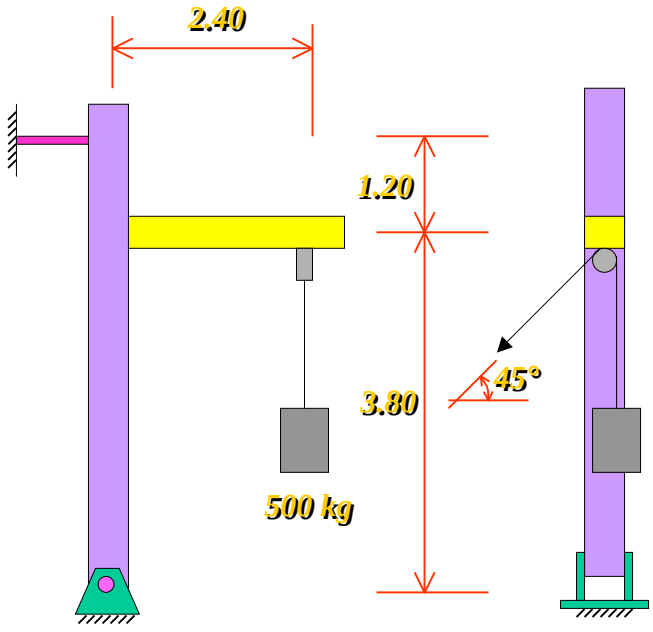


Riepilogo delle sollecitazioni nella sezione di incastro:



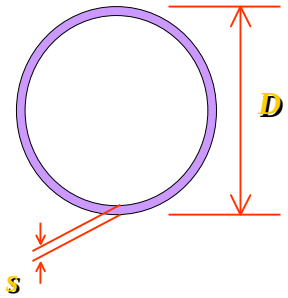
Esempio n° 2:





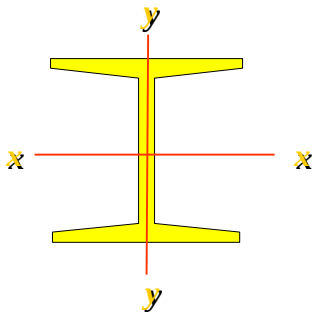
Colonna:

D = 300 mm
s = 10 mm



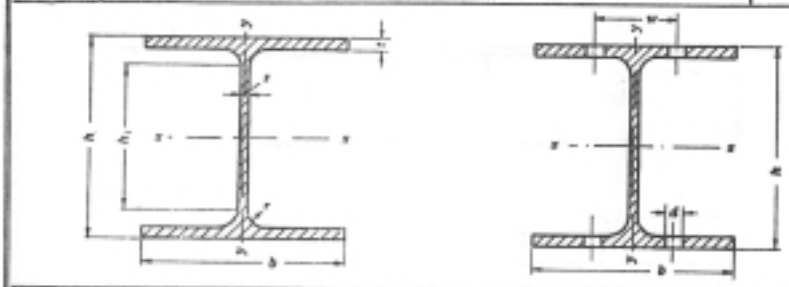
Traversa:

profilato HE 280
W_{x-x} = 1380 cm³
W_{y-y} = 471 cm³



Sagomario dei profili in acciaio:

I HE B — PROFILATI A I AD ALI LARGHE E PARALLELE SERIE NORMALE
caratteristiche geometriche e valori statici



PROFILO I HE B	DIMENSIONI mm h	b	s	t	r	h_1	A cm²	G kg/m	ASSI DI RIFERIMENTO x — x I_x cm⁴	W_x cm³	i_x cm	y — y I_y cm⁴	W_y cm³	i_y cm	FORI D'ALA d mm	w mm	PROFILO I HE B
100	100	100	6	10	12	56	26,0	20,4	450	90	4,16	167	33	2,53	14	68	100
120	120	120	6,5	11	12	74	34,0	26,7	864	144	5,04	318	53	3,06	17	68	120
140	140	140	7	12	12	92	43,0	33,7	1510	216	5,93	550	78	3,58	20	75	140
160	160	160	8	13	15	104	54,3	42,6	2490	311	6,78	889	111	4,05	23	85	160
180	180	180	8,5	14	15	122	65,3	51,3	3830	426	7,66	1360	151	4,57	26	100	180
200	200	200	9	15	18	134	78,1	61,3	5700	570	8,54	2000	200	5,07	26	110	200