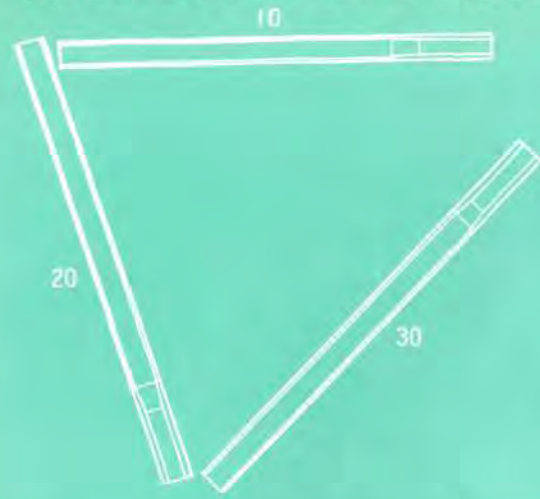
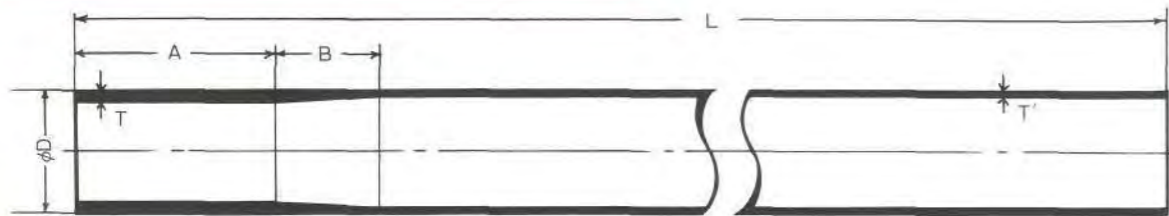


SINGLE BUTTED FRAME TUBES



(1) In case of cutting tube, please cut the thin-gauge (enamel-marked side) of tube.

(1) チューブをカットするときは肉薄側(エナメル)をカットして下さい。

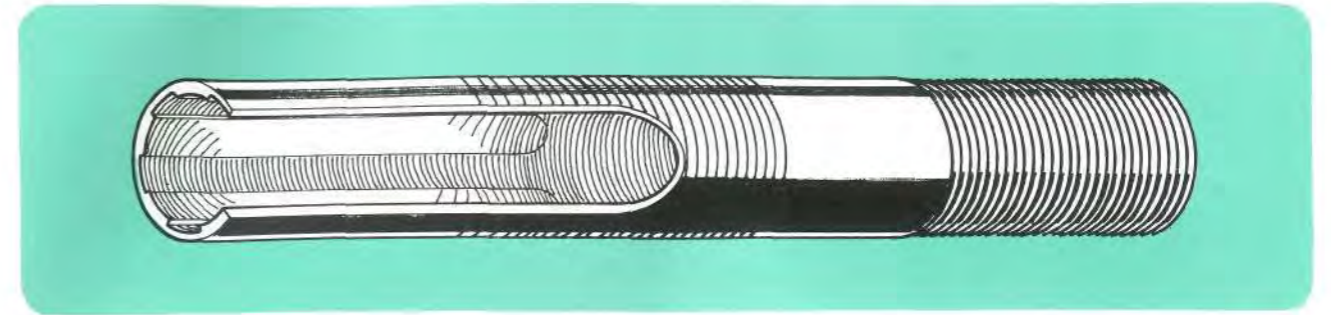


List-2 Dimensions in mm

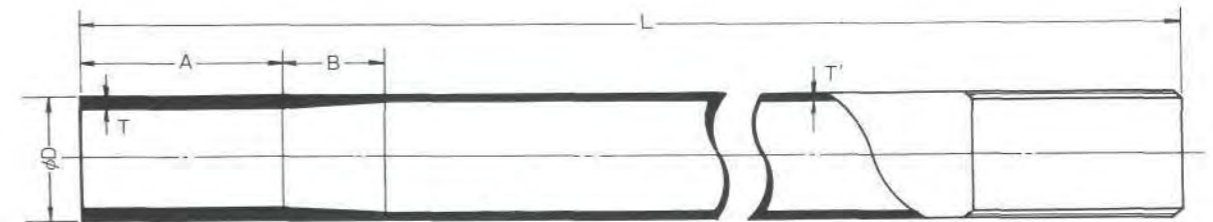
Material	Mark	Diameter ϕD	Thickness T/T'	Butted A	Taper B	Length L	Weight
CrMo steel	12C	25.4	0.9/0.6 SB	100	50	580	gr. 260
	21C	28.6	0.8/0.5 SB	100	50	610	gr. 250
	22C	28.6	0.9/0.6 SB	100	50	610	gr. 305
	23C	28.6	1.0/0.7 SB	100	50	610	gr. 360
	25C	28.6	0.7/0.4 SB	100	50	610	gr. 195

Material	Mark	Diameter ϕD	Thickness T/T'	Butted A	Taper B	Length L	
Hi-tension steel	11H	25.4	1.2/0.85 SB	100	50	580	
	20H	28.6	1.2/0.85 SB	100	50	610	
	21H	28.6	1.6/1.2 SB	100	50	610	
	22H	28.6	1.8/1.2 SB	100	50	610	
Low carbon steel	10S	25.4	1.4/0.95 SB	70	40	Max 580	
	11S	25.4	1.6/1.2 SB	90	37	Max 580	
	12S	25.4	1.8/1.2 SB	90	37	Max 580	
	13S	25.4	2.2/1.2 SB	80	50	Max 580	
	14S	25.4	1.8/1.2 SB	270	50	Max 580	
	20S	25.4	1.6/1.2 SB	220	30	Max 610	
	21S	25.4	1.8/1.2 SB	230	37	Max 610	
	22S	25.4	2.4/1.2 SB	230	50	Max 610	
	23S	28.6	1.6/1.2 SB	230	30	Max 610	
	24S	28.6	1.8/1.2 SB	250	50	Max 610	
	25S	28.6	2.4/1.2 SB	250	50	Max 610	
	30S	28.6	1.4/0.9 SB	60	37	Max 610	
	31S	28.6	1.6/1.2 SB	90	37	Max 610	
	32S	28.6	1.8/1.2 SB	90	37	Max 610	
33S	28.6	1.8/1.4 SB	90	37	Max 610		

BUTTED STEERING COLUMNS



ISHIWATA CrMo 80C spline butted steering column.
Length of thread 60mm. Nominal. 24-1" gr. 170
 $\phi 25.4 \times 2.2 - 20 / 1.6 \times 200 - 300$



《CrMo》

Dimensions in mm

Mark	Diameter ϕD	Thickness T/T'	Butted A	Taper B	Length L	Thread	Weight
80C	25.4	2.2/1.6 (spline)	50	25	Max 300	Nominal	gr. 170
81C	25.4	2.2/1.6	50	25	Max 300	60	gr. 205

《Hi-tension》

Mark	Diameter ϕD	Thickness T/T'	Butted A	Taper B	Length L	Thread	
82H	25.4	2.7/1.6	50	25	Max 300	Max 60	
83H	25.4	2.7/1.6	30	25			
84H	25.4	2.7/2.1	50	25			

《Low carbon》

Mark	Diameter ϕD	Thickness T/T'	Butted A	Taper B	Length L	Thread	
80S	25.4	2.7/1.6	50	25	Max 300	Max 60	
81S	25.4	2.7/1.6	30	25			
82S	25.4	2.7/2.1	50	25			
83S	25.4	2.9/1.9	50	25			
88S	25.4	1.6	Straight Gage				

On order: Inch size, Franch size (mm)