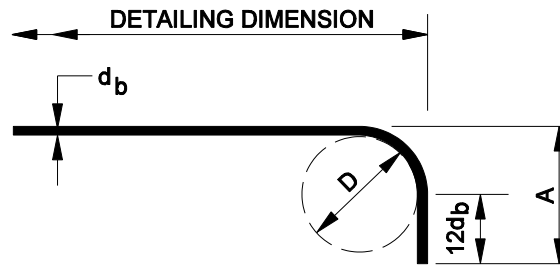
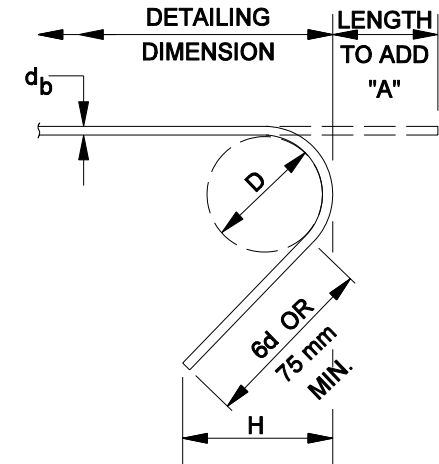


180° HOOK



90° HOOK



135° SEISMIC HOOK

D = FINISHED INSIDE BEND DIAMETER

$d_b$  = NOMINAL BAR DIAMETER

RECOMMENDED END HOOKS, ALL GRADES					
BAR SIZE	D	180° HOOKS			90° HOOKS
		A	J	H	A
#10	50	125	80	105	150
#13	80	150	105	120	200
#16	95	175	130	130	250
#19	115	200	155	155	300
#22	135	250	180	180	375
#25	155	275	205	205	425
#29	240	375	300	265	475
#32	275	425	335	290	550
#36	305	475	375	325	600
#43	465	675	550	430	775
#57	610	925	725	570	1050

SEISMIC TIE HOOKS			
BAR SIZE	135° SEISMIC HOOKS		
	A	J	H
#10	40	110	80
#13	50	115	90
#16	65	140	95
#19	115	205	115
#22	135	230	155
#25	155	270	155

Notes:

1. All dimensions are in millimeters (mm).
2. Show detailing dimension and total length of bent bar on the bending diagram in the plans.  
Do not show length to add (dimension "A") for 180 hooks or 135 seismic hooks. Do not show bend diameter unless it is not standard.
3. In computing total length of a bent bar with 90 hooks, do not deduct for bends.

## HOOKS AND BENDS

Figure 62-2Y