



6" (152 mm) Precast Hollow-core

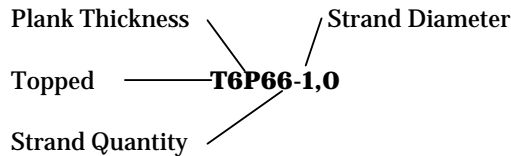


Hoosier Prestress Inc.
PO Box 1584
Brentwood, TN 37024

Series	Fire rating	Hcs 6" without topping																									
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
P6_56-1	1 Hr	474	406	346	299	249	209	177	151	128	109	94	81	67	50												
P6_76-1	1 Hr	486	423	372	330	300	274	246	211	182	157	137	119	104	87	70	54	41									
P6_96-1	1 Hr	496	432	380	337	306	280	257	238	218	190	166	146	129	114	100	88	72	57	44							
P6_97-1	1 Hr	494	430	378	336	305	278	256	236	219	204	190	175	157	138	125	111	99	90	80	70	56	45				
P6_56-1.5	2 Hr	431	360	306	258	214	178	150	126	107	91	71	51														
P6_76-1.5	2 Hr	476	414	365	328	295	248	210	180	154	133	106	83	63	47												
P6_96-1.5	2 Hr	481	423	373	336	305	279	254	218	189	163	142	117	94	73	57	42										
P6_97-1.5	2 Hr	477	422	372	335	305	278	256	236	219	198	173	152	134	115	94	76	60	46								
Series	Fire rating	Hcs 6" with topping 2"																									
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
TP6_56-1	1 Hr	676	567	483	417	348	296	245	207	175	149	128	108	94	78	62	49										
TP6_76-1	1 Hr	750	658	584	523	471	403	342	293	252	217	188	163	142	123	105	88	73	59	43							
TP6_96-1	1 Hr	762	674	598	535	482	438	399	365	321	279	243	212	186	163	142	123	106	90	77	64	52					
TP6_97-1	1 Hr	758	668	593	530	478	434	395	362	332	310	291	257	228	202	180	160	143	127	112	99	86	75	64	54	39	

Loads shown are superimposed working loads (psf) applied to Hollow-core plank. All superimposed loads are considered live loads.

Series Nomenclature



Plank thickness is the depth of precast member
Strand quantity is the number of strand in the bottom of the plank
Strand diameter is in 1/16"; 6 = 6/16" = 3/8" strand

Section Properties and Material Specifications

$A_c = xxx \text{ in}^2$ $f'_c = 6000 \text{ psi}$ $f_{pu} = 270 \text{ ksi (Lo Lax)}$
 $b_w = 10.x \text{ in}$ $f'_{ci} = 3500 \text{ psi}$ $f_{si} = 189 \text{ ksi}$
 $I_g = xxxx \text{ in}^4$

Notes:

1. Weight of standard unit is 45 psf.
2. No shear reinforcement is required for shown loads.