

DIAPHRAGM SHEAR STRENGTH (PLF)

15/16" X 3-3/4" TYPE HF 26
SUPPORT FASTENING:
STITCH FASTENING:
SAFETY FACTOR:

BARE DECK
3/8" PUDDLE WELDS THRU WELD WASHERS
#10 TEK SCREWS
2.75

FASTENER LAYOUT	SIDE LAP FASTENING PER SPAN	SPAN (FT.-IN.)								
		4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0
30/9	0	340	305	250	205	175	150	125		
	1	375	310	250	205	175	150	125		
	2	390	310	250	205	175	150	125		
	3	390	310	250	205	175	150	125		
	4	390	310	250	205	175	150	125		
30/5	0	225	200	175	160	145	135	125		
	1	260	230	205	185	170	150	125		
	2	290	260	235	205	175	150	125		
	3	320	285	250	205	175	150	125		
	4	345	310	250	205	175	150	125		
30/4	0	220	200	175	160	145	135	125		
	1	250	225	205	185	170	150	125		
	2	280	250	230	205	175	150	125		
	3	305	275	250	205	175	150	125		
	4	330	300	250	205	175	150	125		

DIAPHRAGM SHEAR STRENGTH (PLF)

15/16" X 3-3/4" TYPE HF 24
SUPPORT FASTENING:
STITCH FASTENING:
SAFETY FACTOR:

BARE DECK
3/8" PUDDLE WELDS THRU WELD WASHERS
#10 TEK SCREWS
2.75

FASTENER LAYOUT	SIDE LAP FASTENING PER SPAN	SPAN (FT.-IN.)								
		4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0
30/9	0	525	465	390	325	270	230	200		
	1	570	480	390	325	270	230	200		
	2	610	480	390	325	270	230	200		
	3	610	480	390	325	270	230	200		
	4	610	480	390	325	270	230	200		
30/5	0	345	305	275	245	225	205	190		
	1	390	345	310	280	255	230	200		
	2	430	385	345	315	270	230	200		
	3	470	420	385	325	270	230	200		
	4	505	455	390	325	270	230	200		
30/4	0	340	305	275	245	225	205	190		
	1	380	340	310	280	255	230	200		
	2	415	375	340	315	270	230	200		
	3	450	410	370	325	270	230	200		
	4	480	440	390	325	270	230	200		

DIAPHRAGM SHEAR STRENGTH (PLF)

15/16" X 3-3/4" TYPE HF 22
SUPPORT FASTENING:
STITCH FASTENING:
SAFETY FACTOR:

BARE DECK
5/8" PUDDLE WELDS
#10 TEK SCREWS
2.75

FASTENER LAYOUT	SIDE LAP FASTENING PER SPAN	SPAN (FT.-IN.)								
		4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0
30/9	0	386	342	307	278	254	234	216	201	188
	1	442	393	353	320	292	269	249	232	217
	2	495	443	399	362	331	305	282	263	246
	3	547	490	444	404	369	340	315	293	275
	4	598	536	486	444	408	376	348	324	303
30/5	0	254	225	201	182	166	153	141	131	122
	1	306	275	247	224	205	188	174	162	151
	2	355	320	290	266	243	224	207	192	180
	3	401	362	330	303	280	259	240	223	209
	4	444	403	368	339	313	291	272	254	237
30/4	0	214	190	170	153	140	128	118	110	102
	1	264	238	216	195	178	164	151	141	131
	2	310	280	256	235	217	199	184	171	160
	3	352	320	293	270	250	233	217	202	189
	4	390	357	328	303	281	262	246	231	218

DIAPHRAGM SHEAR STRENGTH (PLF)

15/16" X 3-3/4" TYPE HF 20
SUPPORT FASTENING:
STITCH FASTENING:
SAFETY FACTOR:

BARE DECK
3/8" PUDDLE WELDS THRU WELD WASHERS
#10 TEK SCREWS
2.75

FASTENER LAYOUT	SIDE LAP FASTENING PER SPAN	SPAN (FT.-IN.)								
		4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0
30/9	0	639	567	509	461	422	388	359	329	289
	1	708	629	565	512	468	431	378	329	289
	2	772	690	621	563	514	438	378	329	289
	3	836	748	677	612	514	438	378	329	289
	4	899	806	729	612	514	438	378	329	289
30/5	0	422	373	334	303	276	254	235	218	204
	1	484	434	390	354	323	297	275	255	239
	2	545	490	444	404	370	340	315	293	274
	3	603	543	494	452	416	383	355	329	289
	4	658	595	542	497	459	426	378	329	289
30/4	0	355	315	282	255	233	214	197	183	171
	1	416	374	338	306	279	257	237	221	206
	2	473	427	388	356	326	300	277	258	241
	3	527	477	436	400	370	343	317	295	276
	4	578	525	481	443	410	381	356	329	289