



LAJE PROTENDIDA

Tabelas técnicas de referência
para pré dimensionamento

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as tabelas03

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de cerâmica-4008

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de EPS-3012

■ Tabelas com enchimento
de EPS-4020

Guia Básico:

Como consultar nossas tabelas de pré dimensionamento

He=H
do
enchimento

Largura da
base do
enchimento

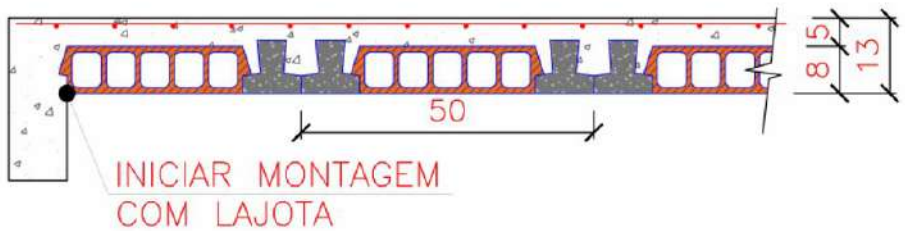
Altura da capa e resistência
do concreto da capa

Capa = 5cm (f_{ck} = 25 MPa)

Exemplo de Consulta

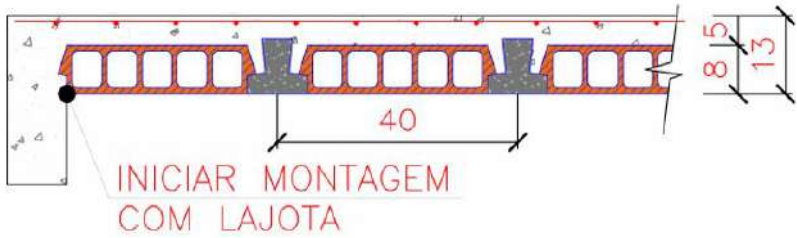
Vão de 4,60m com
sobrecarga de 600kgf/m

arranjo com vigotas duplas



duplas

arranjo com vigota simples



simples

limite máx. de vão dentro do índice de conforto

ARRANJO	He=20cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	L (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	687	647	614	584	559	536	516	498	481	466	440	417	379	350	3,2	6,0	8,0	73	213	246	833
	9431	EPS	30	767	723	685	653	624	599	577	556	538	521	492	466	425	392	3,2	6,0	8,0	73	213	327	833
	9432	EPS	30	800	800	767	731	699	671	646	623	603	584	551	523	477	440	3,2	6,0	8,0	73	213	404	833
	9442	EPS	30	800	800	800	789	755	725	698	674	652	631	596	565	516	476	3,2	6,0	8,0	73	213	473	833
	9443	EPS	30	800	800	800	800	800	786	757	730	706	685	646	613	559	517	3,2	6,0	8,0	73	213	542	833
	12443	EPS	30	1006	947	898	856	819	786	757	730	706	685	646	613	559	517	5,0	8,0	10,0	73	213	542	833
DUPLA	9432D	EPS	30	800	800	800	800	800	800	800	796	767	742	697	660	600	554	3,2	6,0	8,0	97	290	626	833
	9442D	EPS	30	800	800	800	800	800	800	800	800	800	800	764	723	658	608	3,2	6,0	8,0	97	290	736	833
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	782	711	657	3,2	6,0	8,0	97	290	843	833
	12443D	EPS	30	1200	1200	1196	1129	1073	1024	981	943	909	879	826	782	711	657	5,0	8,0	10,0	97	290	843	833

em negrito, vãos acima
do índice de conforto

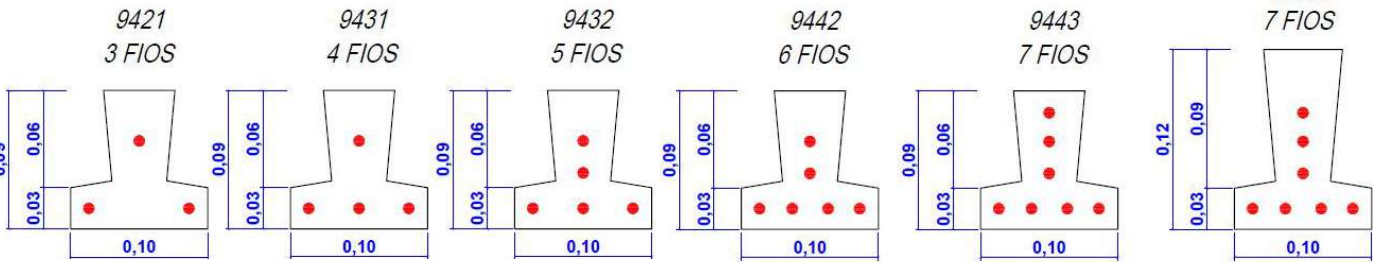
escoramento

momento máx.

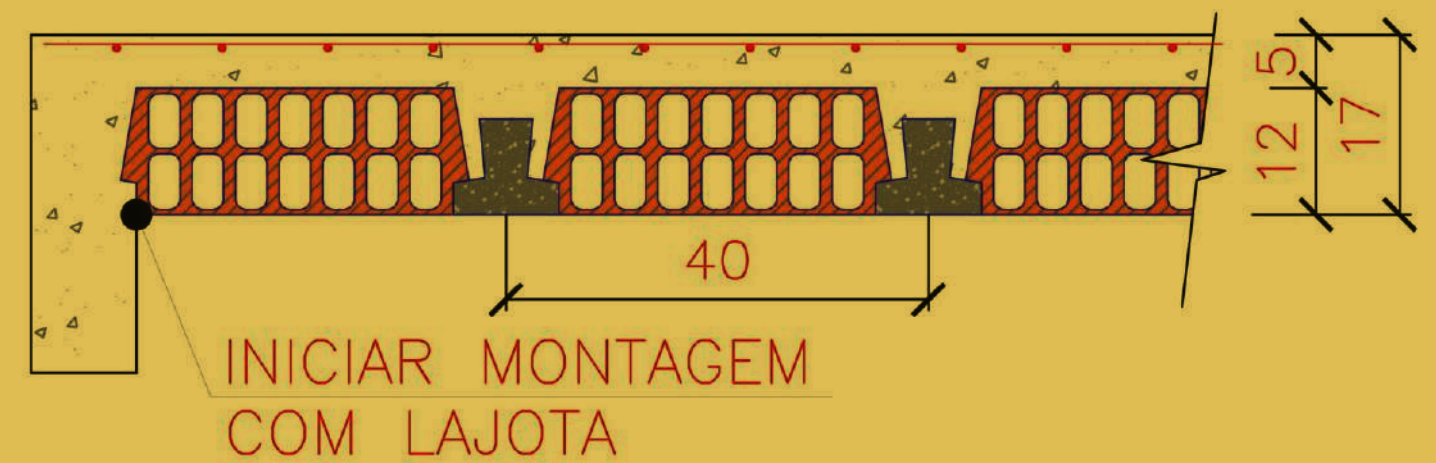
Tipo de
montagem
do conjunto

Tipo de
enchimento

vigota correspondente
para atender especificação



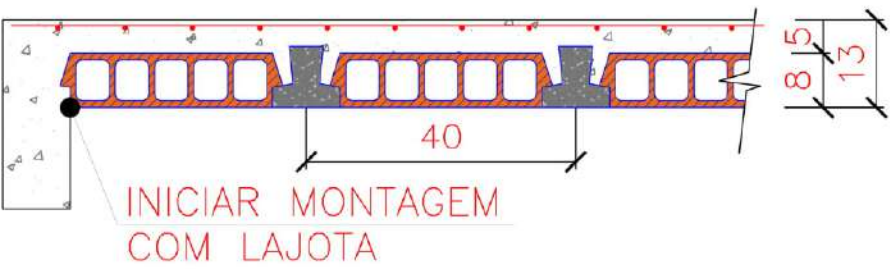
(classe)
tipo de vigota



Tabelas com enchimento de cerâmica 30

BASE EPS $b = 30\text{cm}$

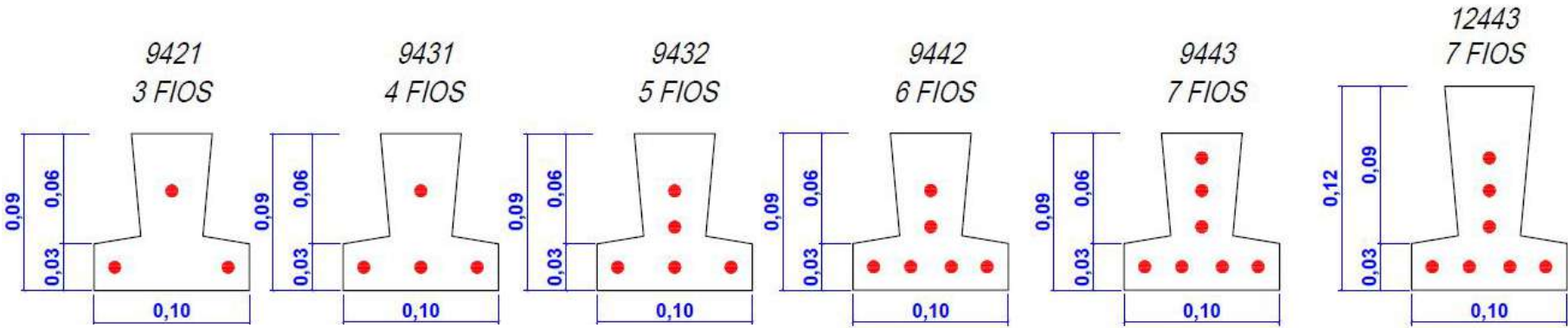
LAJE PROTENDIDA
VÃO x SOBRECARGA x TIPO DE VIGOTA x ARRANJOS



Be= 30 cm (largura da base do enchimento) Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=08cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	LAJ(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	CER	30	416	394	375	358	343	330	318	308	298	289	273	259	253	216	3,0	5,5	7,5	55	204	110	433
	9431	CER	30	486	461	439	419	402	387	373	361	349	339	320	304	277	255	3,0	5,5	7,5	55	204	150	433
	9432	CER	30	544	516	491	470	451	434	418	404	392	380	359	341	311	287	3,0	5,5	7,5	55	204	182	433
	9442	CER	30	587	556	529	506	486	467	451	436	422	410	387	368	336	310	3,0	5,5	7,5	55	204	203	433
	9443	CER	30	619	587	559	534	513	493	476	460	446	433	409	389	355	328	3,0	5,5	7,5	55	204	237	433

I.C.= índice de conforto
(consulte NBR 1575)
Vãos em **negrito** excedem o I.C.



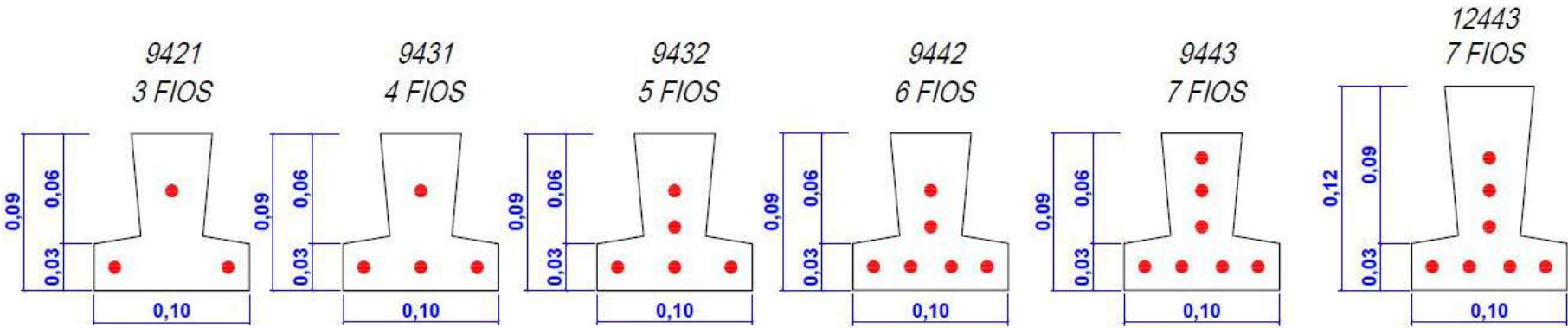
Be= 30 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=10cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	LAJ(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	CER	30	453	430	409	392	376	362	349	338	327	317	300	285	260	239	3,0	5,5	7,5	60	230	135	500
	9431	CER	30	529	502	478	458	440	423	408	395	383	371	351	334	305	281	3,0	5,5	7,5	60	230	180	500
	9432	CER	30	594	563	537	514	494	476	459	444	430	418	395	376	343	317	3,0	5,5	7,5	60	230	220	500
	9442	CER	30	643	610	582	557	535	515	497	481	466	453	428	407	372	344	3,0	5,5	7,5	60	230	257	500
	9443	CER	30	681	646	616	590	567	546	527	510	494	480	454	432	395	365	3,0	5,5	7,5	60	230	290	500

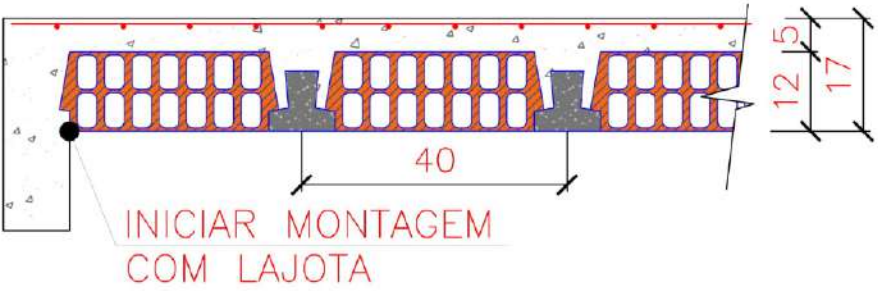
I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



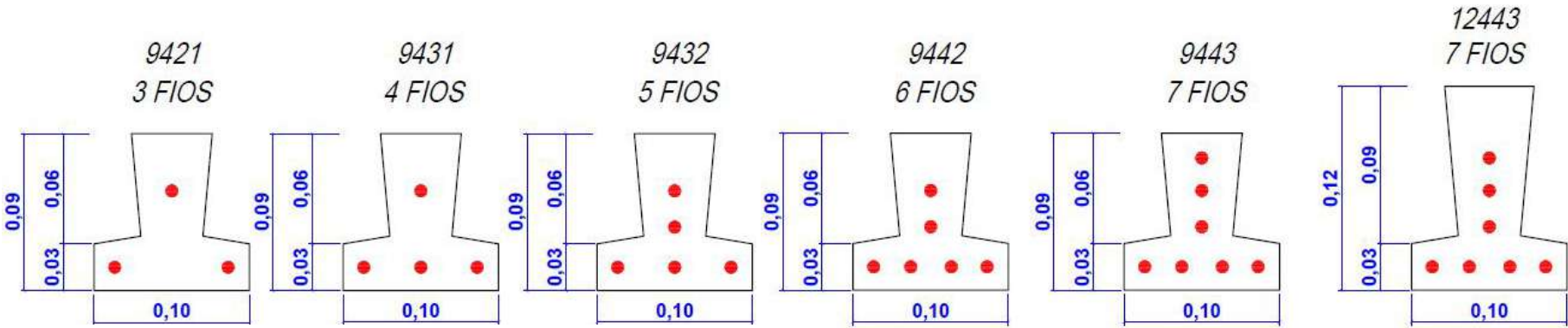
Be= 30 cm (largura da base do enchimento)

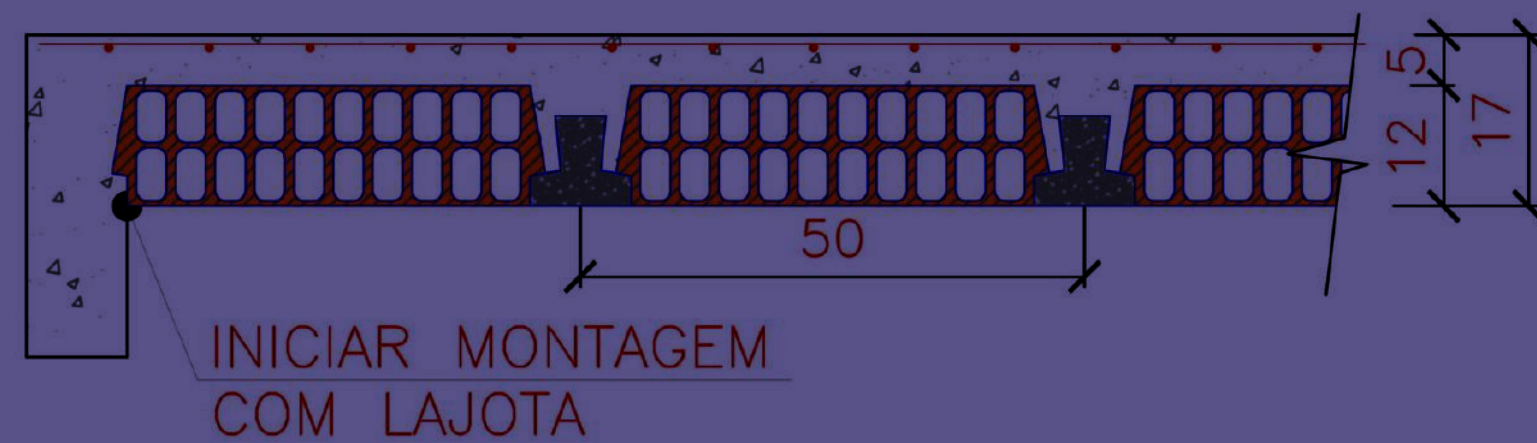
Capa = 5cm (f_{ck} = 25 MPa)



ARRANJO	He=12cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	LAJ(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	CER	30	497	472	451	432	415	400	387	374	363	352	333	317	289	267	3,0	5,6	7,5	64	246	160	566
	9431	CER	30	580	552	527	505	485	468	452	438	424	412	390	371	340	314	3,0	5,6	7,5	64	246	210	566
	9432	CER	30	654	622	594	569	547	528	510	494	479	465	441	419	384	355	3,0	5,6	7,5	64	246	258	566
	9442	CER	30	712	677	646	620	596	574	555	538	521	507	480	457	419	388	3,0	5,6	7,5	64	246	303	566
	9443	CER	30	757	720	688	659	634	611	591	572	555	539	511	487	446	413	3,0	5,6	7,5	64	246	342	566

I.C.= índice de conforto
(consulte NBR 1575)
Vãos em **negrito** excedem o I.C.



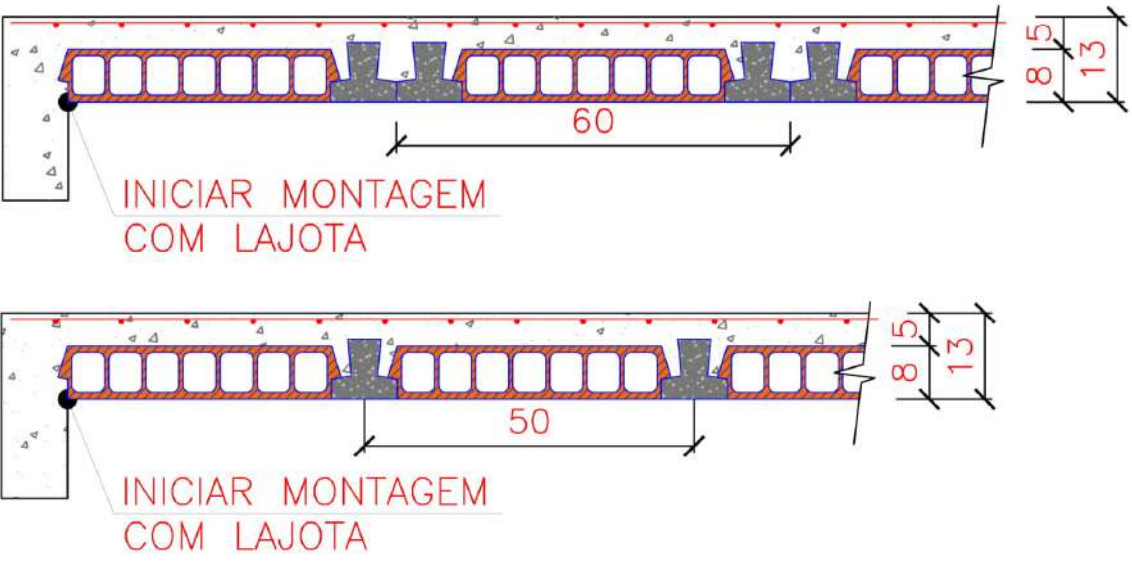


Tabelas com enchimento de cerâmica 40

BASE EPS $b = 40\text{cm}$

LAJE PROTENDIDA

VÃO x SOBRECARGA x TIPO DE VIGOTA x ARRANJOS

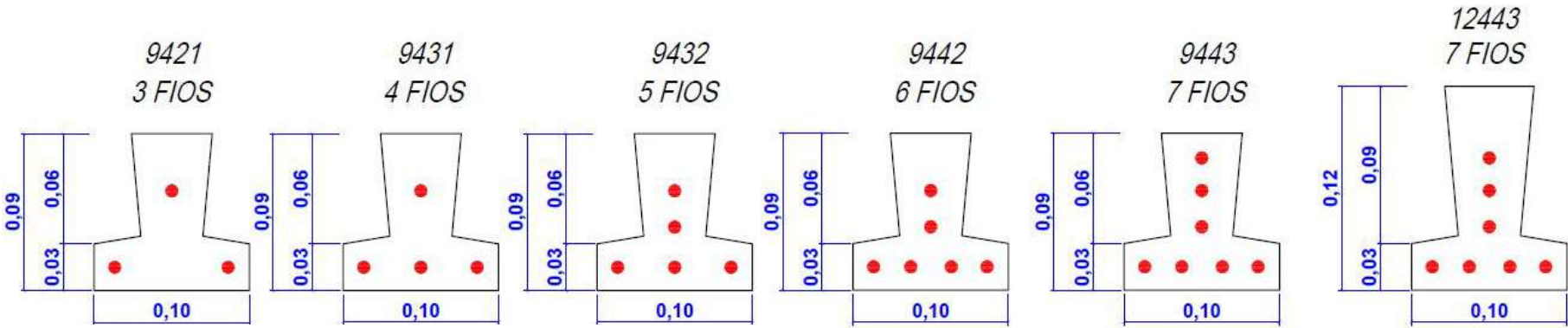


Be= 40 cm (largura da base do enchimento) Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=08cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	LAJ(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	CER	40	387	365	346	330	316	303	292	281	272	263	248	235	212	195	3,0	5,5	7,5	54	200	93	433
	9431	CER	40	454	428	406	387	370	355	342	330	319	309	291	276	250	230	3,0	5,5	7,5	54	200	123	433
	9432	CER	40	508	480	455	434	415	399	384	370	358	347	327	310	282	259	3,0	5,5	7,5	54	200	150	433
	9442	CER	40	548	517	491	468	448	430	414	400	386	374	353	335	305	280	3,0	5,5	7,5	54	200	173	433
	9443	CER	40	579	546	518	494	473	454	437	422	408	396	373	354	322	297	3,0	5,5	7,5	54	200	195	433

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



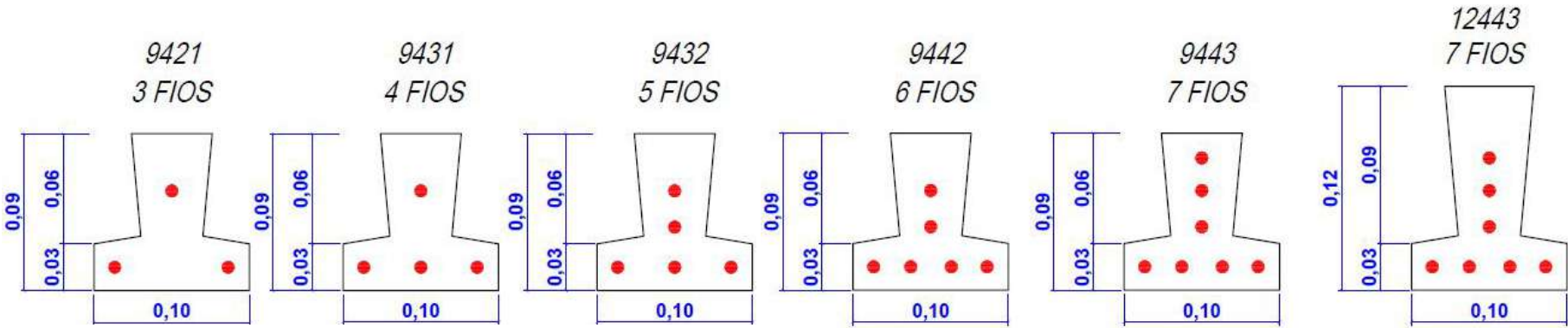
Be= 40 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=10cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	LAJ(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	CER	40	424	400	380	362	347	333	321	310	299	290	273	259	235	216	3,0	5,5	7,5	58	215	110	500
	9431	CER	40	495	468	444	424	406	390	376	363	351	340	321	304	276	254	3,0	5,5	7,5	58	215	147	500
	9432	CER	40	556	525	499	476	456	438	422	408	395	382	361	342	312	287	3,0	5,5	7,5	58	215	180	500
	9442	CER	40	602	569	541	516	494	475	458	442	428	415	392	372	338	312	3,0	5,5	7,5	58	215	208	500
	9443	CER	40	638	603	573	547	524	504	485	469	454	440	415	394	359	331	3,0	5,5	7,5	58	215	235	500

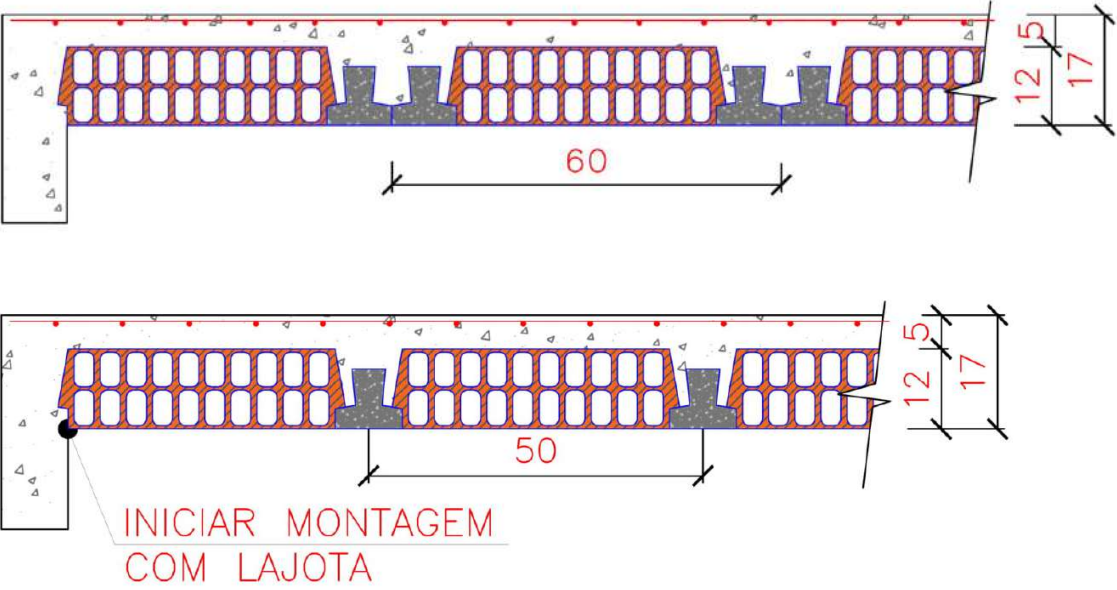
I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



Be= 40 cm (largura da base do enchimento)

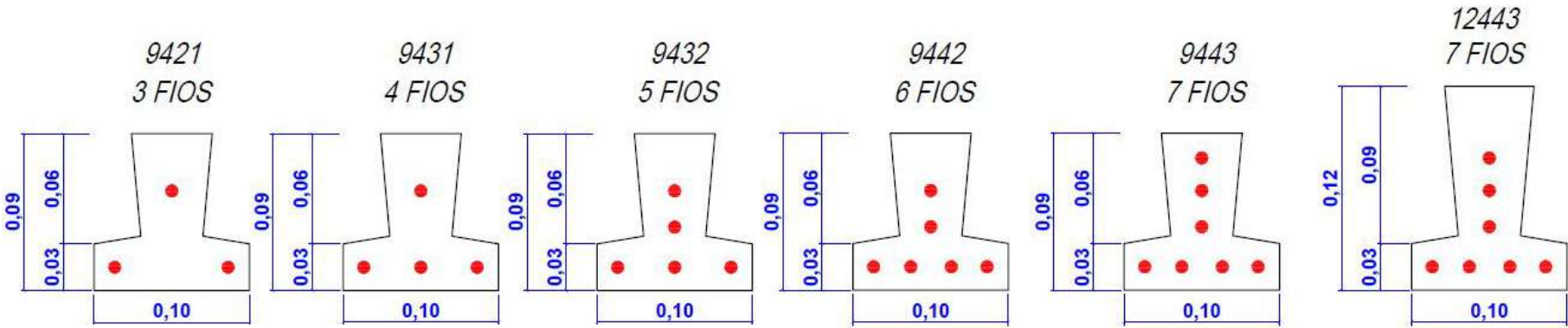
Capa = 5cm (f_{ck} = 25 MPa)

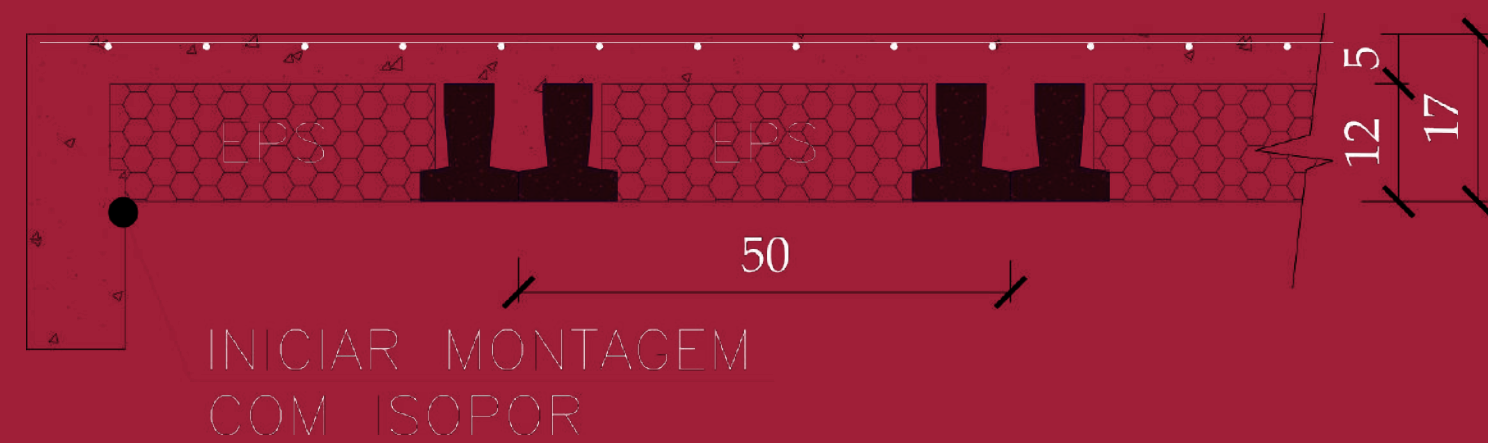


ARRANJO	He=12cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	LAJ(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	CER	40	497	472	451	432	415	400	387	374	363	352	333	317	289	267	3,0	5,6	7,5	62	233	127	566
	9431	CER	40	580	552	527	505	485	468	452	438	424	412	390	371	340	314	3,0	5,6	7,5	62	233	170	566
	9432	CER	40	654	622	594	569	547	528	510	494	479	465	441	419	384	355	3,0	5,6	7,5	62	233	209	566
	9442	CER	40	712	677	646	620	596	574	555	538	521	507	480	457	419	388	3,0	5,6	7,5	62	233	243	566
	9443	CER	40	757	720	688	659	634	611	591	572	555	539	511	487	446	413	3,0	5,6	7,5	62	233	275	566

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



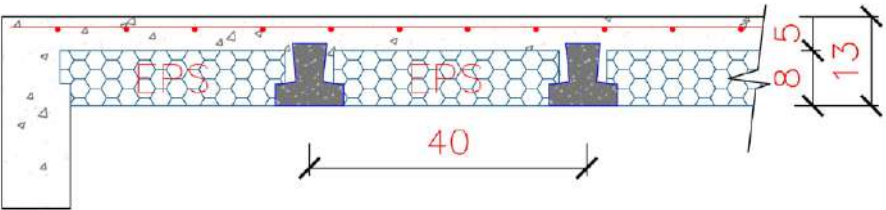


Tabelas com enchimento de EPS 30

BASE EPS $b = 30\text{cm}$

LAJE PROTENDIDA

VÃO x SOBRECARGA x TIPO DE VIGOTA x ARRANJOS



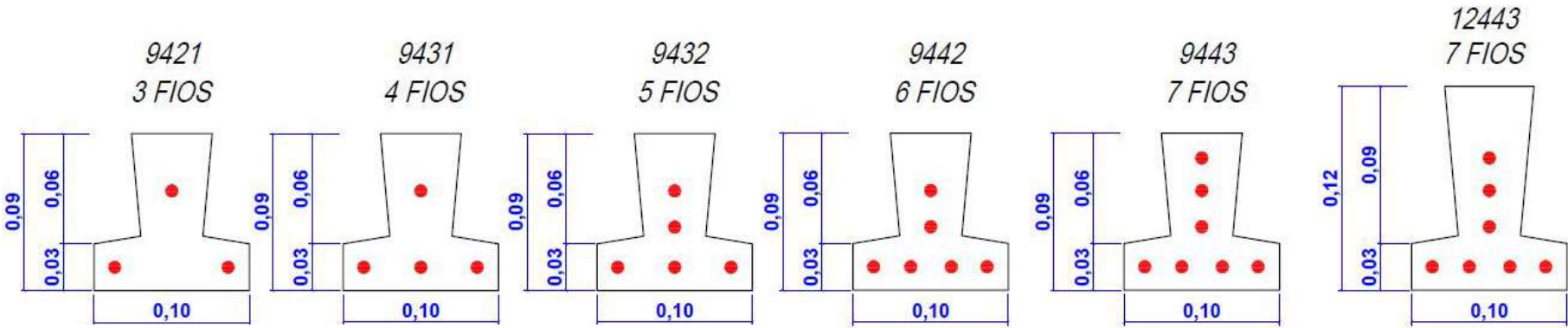
Be= 30 cm (largura da base do enchimento)

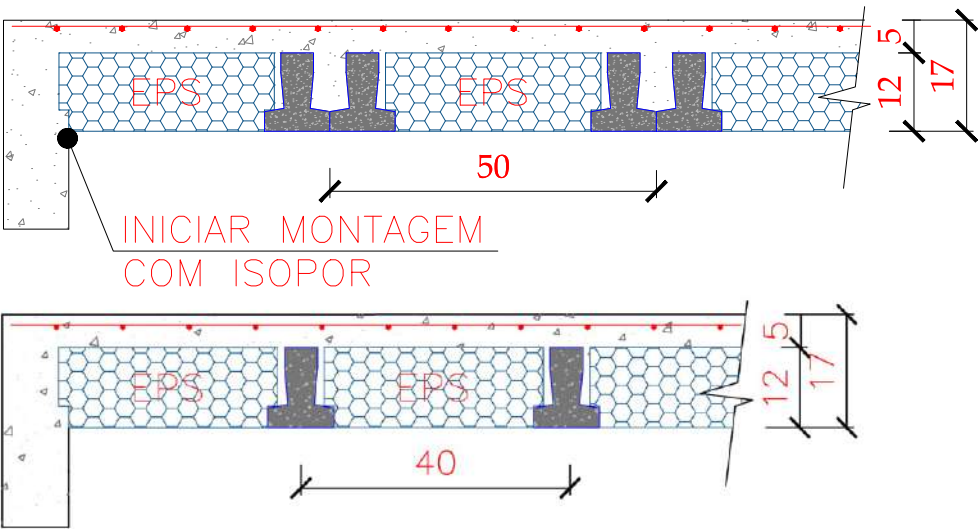
Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=08cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	489	455	427	403	383	365	349	335	323	312	292	275	248	226	3,2	6,0	8,0	42	136	98	433
	9431	EPS	30	573	532	499	472	448	427	409	393	379	366	343	323	292	267	3,2	6,0	8,0	42	136	135	433
	9432	EPS	30	641	596	559	528	502	479	459	441	425	410	384	363	328	300	3,2	6,0	8,0	42	136	165	433
	9442	EPS	30	691	642	603	569	541	516	494	475	458	442	415	391	354	324	3,2	6,0	8,0	42	136	188	433
	9443	EPS	30	729	678	636	601	571	545	522	502	483	467	438	413	374	343	3,2	6,0	8,0	42	136	210	433

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



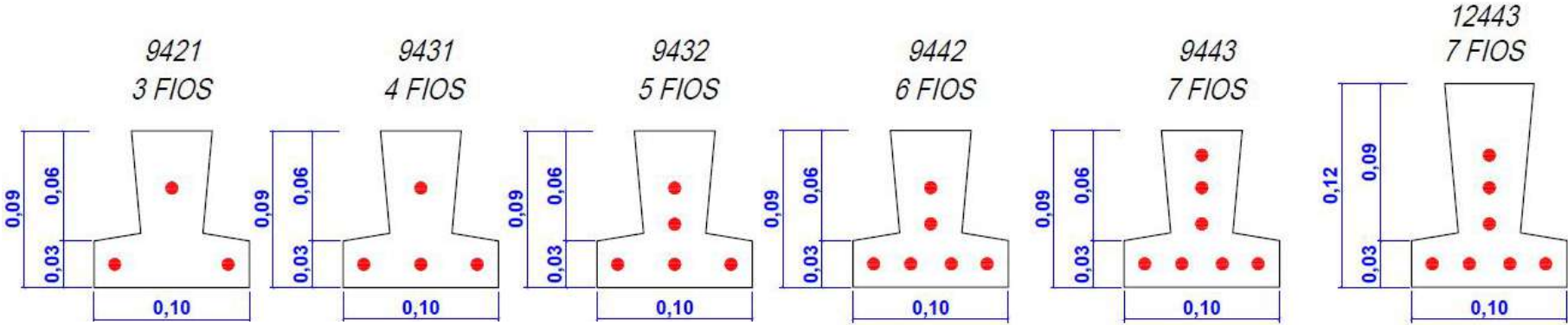


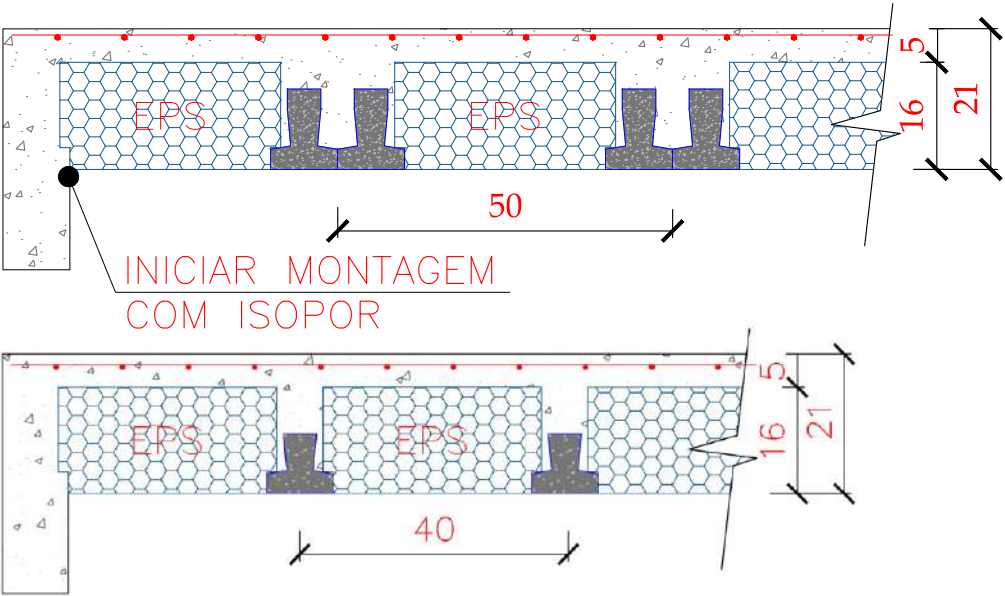
Be= 30 cm (largura da base do enchimento) Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=12cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	(Ht/34)
SIMPLES	9421	EPS	30	489	455	427	403	383	365	349	335	323	312	292	275	248	226	3,2	6,0	8,0	52	178	155	566
	9431	EPS	30	573	532	499	472	448	427	409	393	379	366	343	323	292	267	3,2	6,0	8,0	52	178	208	566
	9432	EPS	30	641	596	559	528	502	479	459	441	425	410	384	363	328	300	3,2	6,0	8,0	52	178	258	566
	9442	EPS	30	691	642	603	569	541	516	494	475	458	442	415	391	354	324	3,2	6,0	8,0	52	178	300	566
	9443	EPS	30	729	678	636	601	571	545	522	502	483	467	438	413	374	343	3,2	6,0	8,0	52	178	342	566
	12443	EPS	30	919	863	815	775	740	709	681	657	635	614	579	548	499	460	5,0	8,0	10,0	52	178	342	566
DUPLA	9432D	EPS	30	800	800	800	800	800	797	763	733	706	682	641	606	550	508	3,2	6,0	8,0	70	224	398	566
	9442D	EPS	30	800	800	800	800	800	800	800	782	753	728	683	646	587	542	3,2	6,0	8,0	70	224	464	566
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	785	737	697	634	585	3,2	6,0	8,0	70	224	522	566
	12443D	EPS	30	1200	1153	1078	1016	963	918	879	844	813	785	737	697	634	585	5,0	8,0	10,0	70	224	522	566

Escoramento
Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)
Vãos em **negrito** excedem o I.C.





Be= 30 cm (largura da base do enchimento)

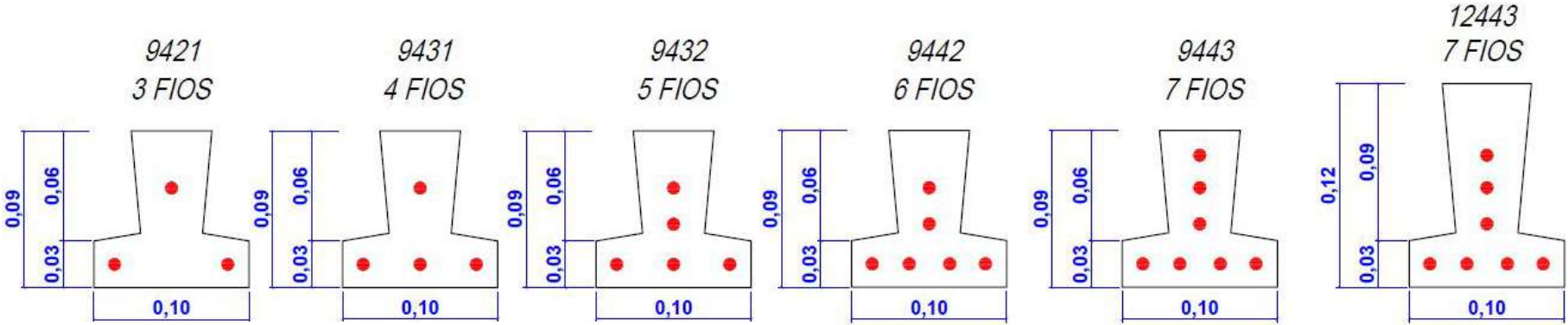
Capa = 5cm (f_{ck} = 25 MPa)

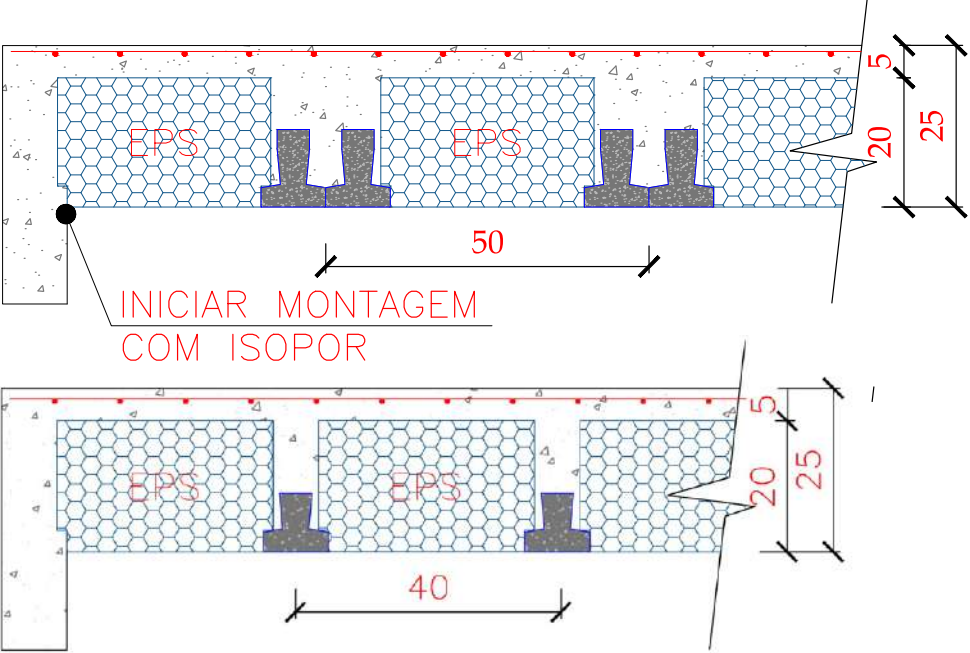
ARRANJO	He=16cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	632	593	560	532	508	487	467	450	435	421	396	375	340	313	3,2	6,0	8,0	66	196	201	700
	9431	EPS	30	710	667	630	599	571	547	526	507	490	474	446	422	384	353	3,2	6,0	8,0	66	196	265	700
	9432	EPS	30	796	747	706	671	640	613	589	568	549	531	500	474	431	397	3,2	6,0	8,0	66	196	330	700
	9442	EPS	30	800	800	761	723	690	662	636	613	592	573	540	512	465	429	3,2	6,0	8,0	66	196	385	700
	9443	EPS	30	800	800	800	775	740	709	681	657	635	614	579	548	499	460	3,2	6,0	8,0	66	196	440	700
	12443	EPS	30	919	863	815	775	740	709	681	657	635	614	579	548	499	460	5,0	8,0	10,0	66	196	440	700
DUPLA	9432D	EPS	30	800	800	800	800	800	797	763	733	706	682	641	606	550	508	3,2	6,0	8,0	83	258	512	700
	9442D	EPS	30	800	800	800	800	800	800	800	782	753	728	683	646	587	542	3,2	6,0	8,0	83	258	600	700
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	785	737	697	634	585	3,2	6,0	8,0	83	258	682	700
	12443D	EPS	30	1200	1153	1078	1016	963	918	879	844	813	785	737	697	634	585	5,0	8,0	10,0	83	258	682	700

Escoramento
Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





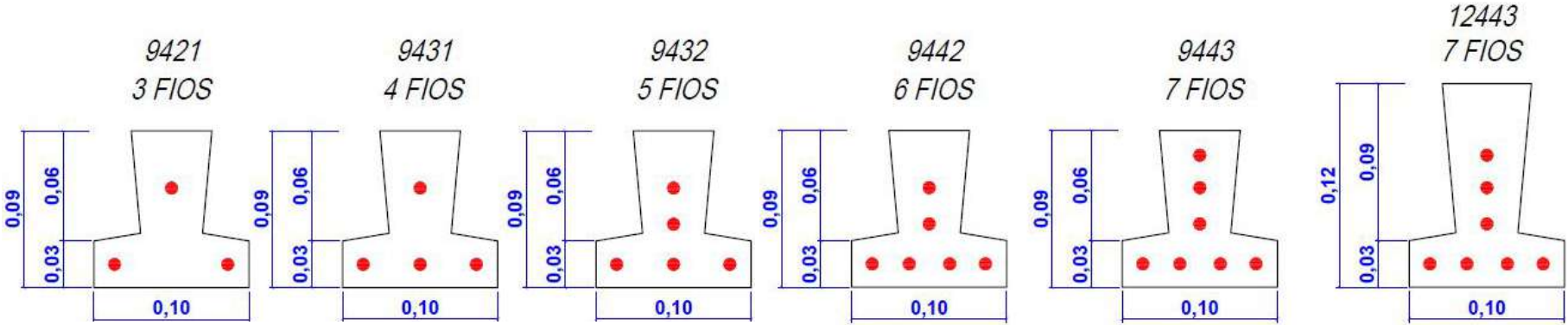
Be= 30 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=20cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	687	647	614	584	559	536	516	498	481	466	440	417	379	350	3,2	6,0	8,0	73	213	246	833
	9431	EPS	30	767	723	685	653	624	599	577	556	538	521	492	466	425	392	3,2	6,0	8,0	73	213	327	833
	9432	EPS	30	800	800	767	731	699	671	646	623	603	584	551	523	477	440	3,2	6,0	8,0	73	213	404	833
	9442	EPS	30	800	800	800	789	755	725	698	674	652	631	596	565	516	476	3,2	6,0	8,0	73	213	473	833
	9443	EPS	30	800	800	800	800	800	786	757	730	706	685	646	613	559	517	3,2	6,0	8,0	73	213	542	833
	12443	EPS	30	1006	947	898	856	819	786	757	730	706	685	646	613	559	517	5,0	8,0	10,0	73	213	542	833
DUPLA	9432D	EPS	30	800	800	800	800	800	800	800	796	767	742	697	660	600	554	3,2	6,0	8,0	97	290	626	833
	9442D	EPS	30	800	800	800	800	800	800	800	800	800	800	764	723	658	608	3,2	6,0	8,0	97	290	736	833
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	782	711	657	3,2	6,0	8,0	97	290	843	833
	12443D	EPS	30	1200	1200	1196	1129	1073	1024	981	943	909	879	826	782	711	657	5,0	8,0	10,0	97	290	843	833

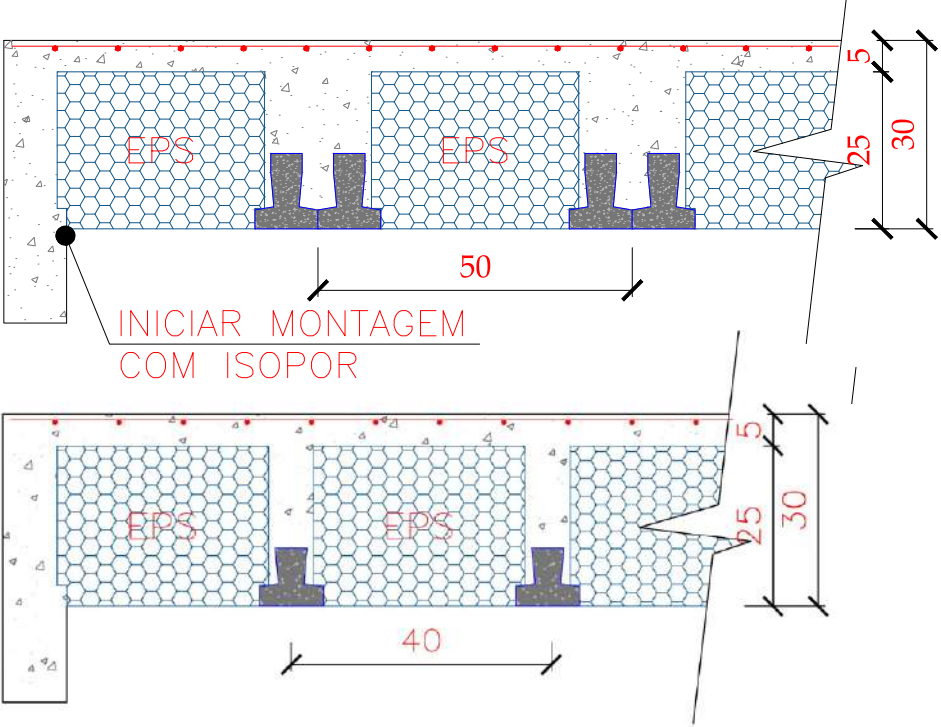
Escoramento
Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)
Vãos em **negrito** excedem o I.C.



Be= 30 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

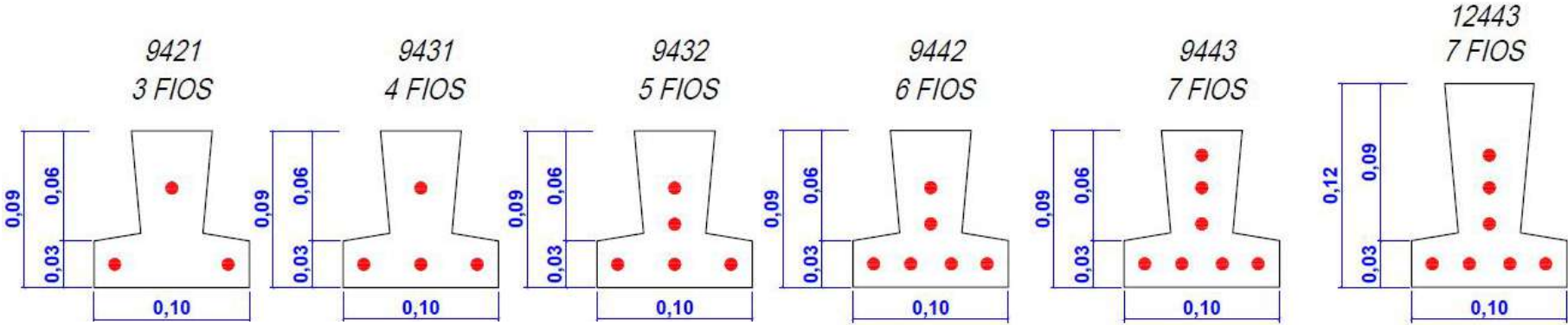


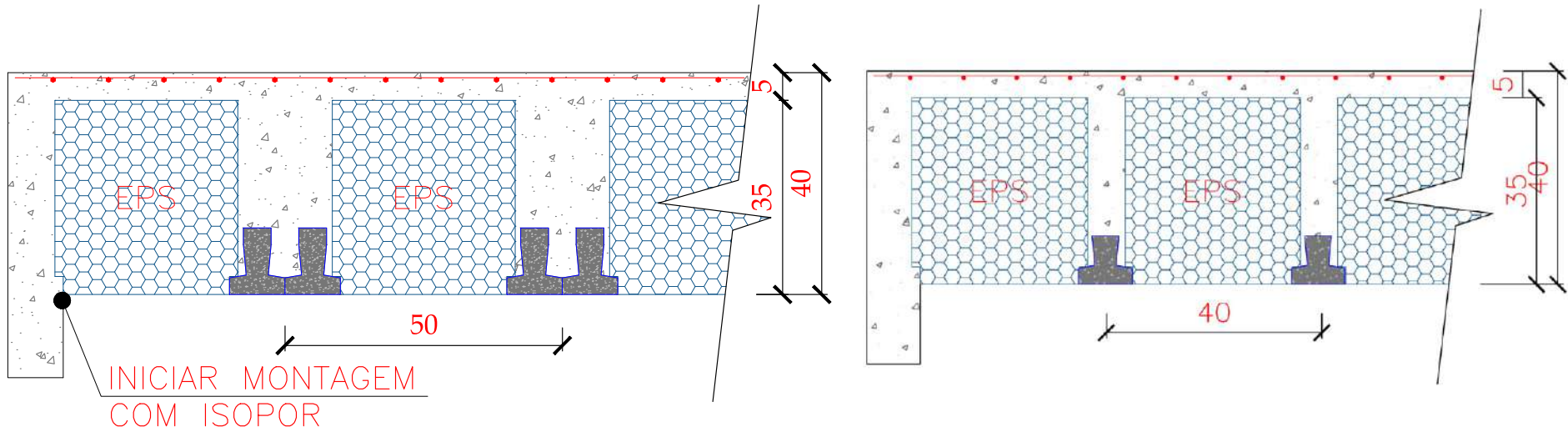
ARRANJO	He=25cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	674	638	606	579	555	533	514	497	481	467	441	419	382	352	3,2	6,0	8,0	82	235	300	1000
	9431	EPS	30	800	773	736	703	674	648	624	604	584	567	536	509	465	430	3,2	6,0	8,0	82	235	400	1000
	9432	EPS	30	800	800	800	800	768	739	713	689	667	647	612	582	532	492	3,2	6,0	8,0	82	235	496	1000
	9442	EPS	30	800	800	800	800	800	800	786	760	736	714	675	642	587	543	3,2	6,0	8,0	82	235	582	1000
	9443	EPS	30	800	800	800	800	800	800	800	800	798	775	733	697	637	590	3,2	6,0	8,0	82	235	670	1000
	12443	EPS	30	1115	1055	1003	959	919	884	853	824	798	775	733	697	637	590	5,0	8,0	10,0	82	235	670	1000
DUPLA	9432D	EPS	30	800	800	800	800	800	800	800	800	798	763	718	680	620	573	3,2	6,0	8,0	115	332	771	1000
	9442D	EPS	30	800	800	800	800	800	800	800	800	800	800	789	747	681	630	3,2	6,0	8,0	115	332	910	1000
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	800	737	681	3,2	6,0	8,0	115	332	1042	1000
	12443D	EPS	30	1200	1200	1200	1157	1101	1052	1009	971	937	907	854	809	737	681	5,0	8,0	10,0	115	332	1042	1000

Escoramento
Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





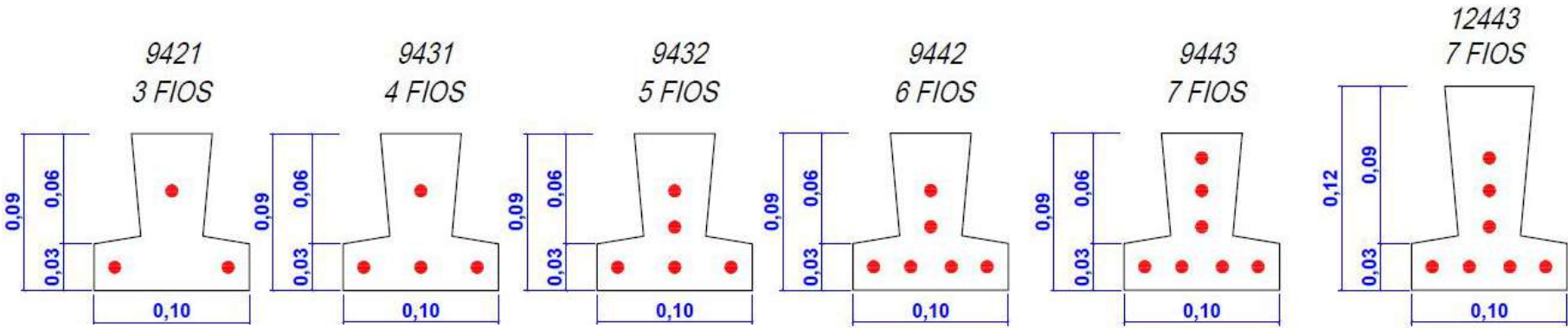
Be= 30 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=30cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	691	657	627	601	577	557	538	521	506	492	467	446	410	382	3,2	6,0	8,0	91	257	350	1166
	9431	EPS	30	800	800	766	734	706	680	658	637	618	601	571	544	501	467	3,2	6,0	8,0	91	257	473	1166
	9432	EPS	30	800	800	800	800	800	779	753	730	708	689	654	624	574	535	3,2	6,0	8,0	91	257	588	1166
	9442	EPS	30	800	800	800	800	800	800	800	800	778	756	716	682	625	580	3,2	6,0	8,0	91	257	671	1166
	9443	EPS	30	800	800	800	800	800	800	800	800	800	800	768	731	670	622	3,2	6,0	8,0	91	257	800	1166
	12443	EPS	30	1145	1087	1037	993	954	920	888	860	834	810	768	731	670	622	5,0	8,0	10,0	91	257	800	1166
DUPLA	9432D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	766	699	647	3,2	6,0	8,0	131	374	915	1166
	9442D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	799	730	675	3,2	6,0	8,0	131	374	1111	1166
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	800	790	732	3,2	6,0	8,0	131	374	1245	1166
	12443D	EPS	30	1200	1200	1200	1200	1170	1120	1076	1036	1001	969	913	866	790	732	5,0	8,0	10,0	131	374	1245	1166

Escoramento
Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)
Vãos em **negrito** excedem o I.C.



Be= 30 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

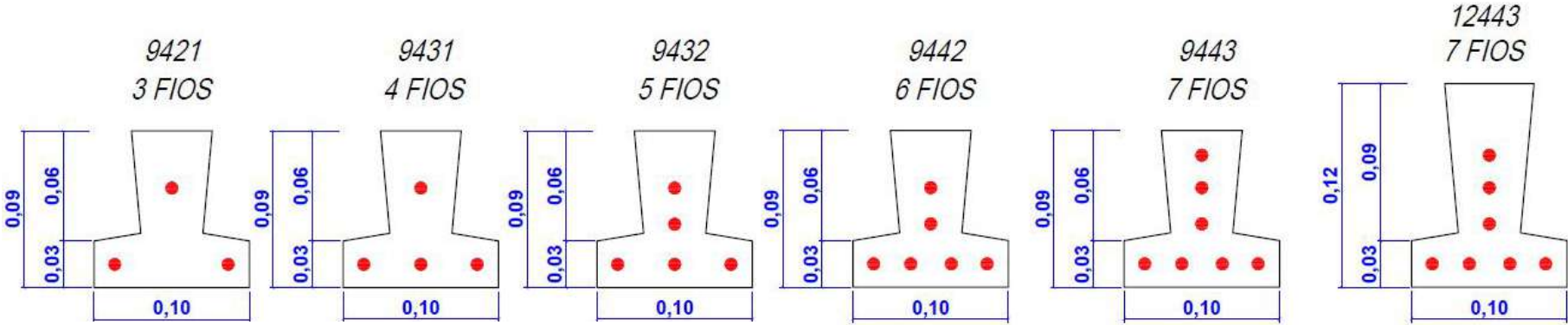
ARRANJO	He=35cm / Be=30			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	30	698	665	637	611	589	569	551	534	519	505	480	459	423	395	3,2	6,0	8,0	99	277	410	1333
	9431	EPS	30	800	800	785	754	726	701	679	658	639	622	592	565	521	486	3,2	6,0	8,0	99	277	555	1333
	9432	EPS	30	800	800	800	800	800	800	781	758	736	716	681	651	600	560	3,2	6,0	8,0	99	277	681	1333
	9442	EPS	30	800	800	800	800	800	800	800	800	800	796	757	723	667	622	3,2	6,0	8,0	99	277	781	1333
	9443	EPS	30	800	800	800	800	800	800	800	800	800	800	800	780	717	666	3,2	6,0	8,0	99	277	930	1333
	12443	EPS	30	1198	1141	1092	1048	1009	974	942	913	886	862	818	780	717	666	5,0	8,0	10,0	99	277	930	1333
DUPLA	9432D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	800	738	684	3,2	6,0	8,0	148	415	1011	1333
	9442D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	800	785	727	3,2	6,0	8,0	148	415	1260	1333
	9443D	EPS	30	800	800	800	800	800	800	800	800	800	800	800	800	800	776	3,2	6,0	8,0	148	415	1451	1333
	12443D	EPS	30	1200	1200	1200	1200	1200	1177	1132	1092	1055	1023	965	916	837	776	5,0	8,0	10,0	148	415	1451	1333

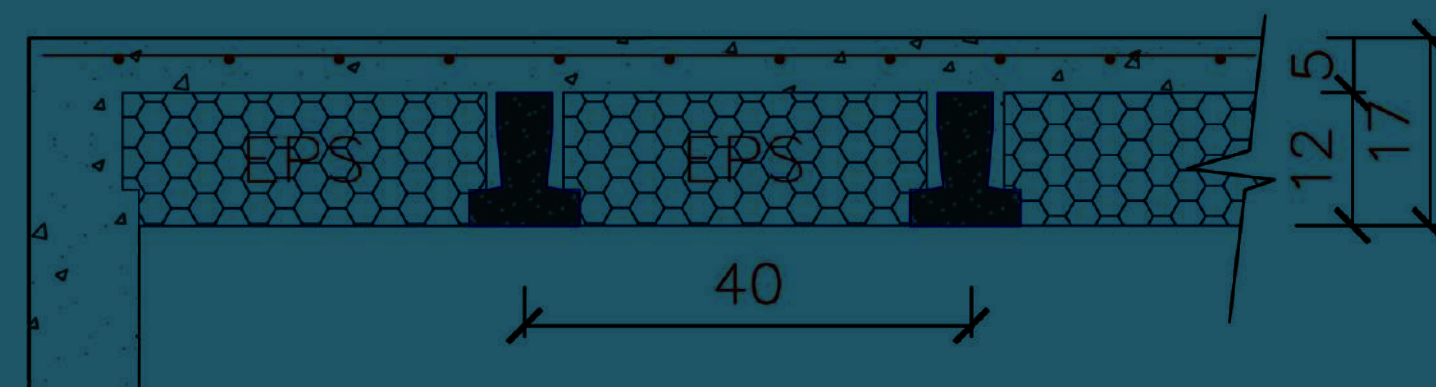
Escoramento

Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



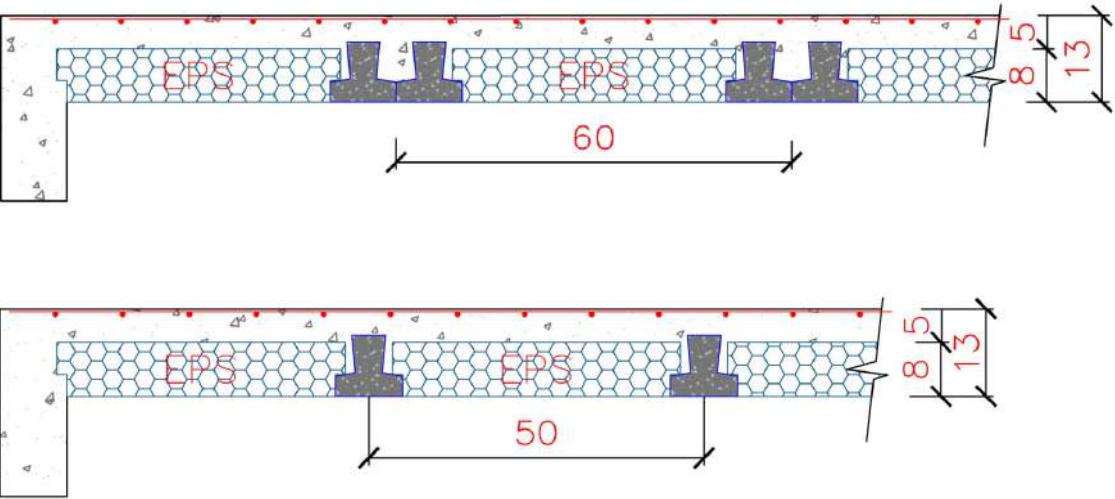


Tabelas com enchimento de EPS 40

BASE EPS $b = 40\text{cm}$

LAJE PROTENDIDA

VÃO x SOBRECARGA x TIPO DE VIGOTA x ARRANJOS



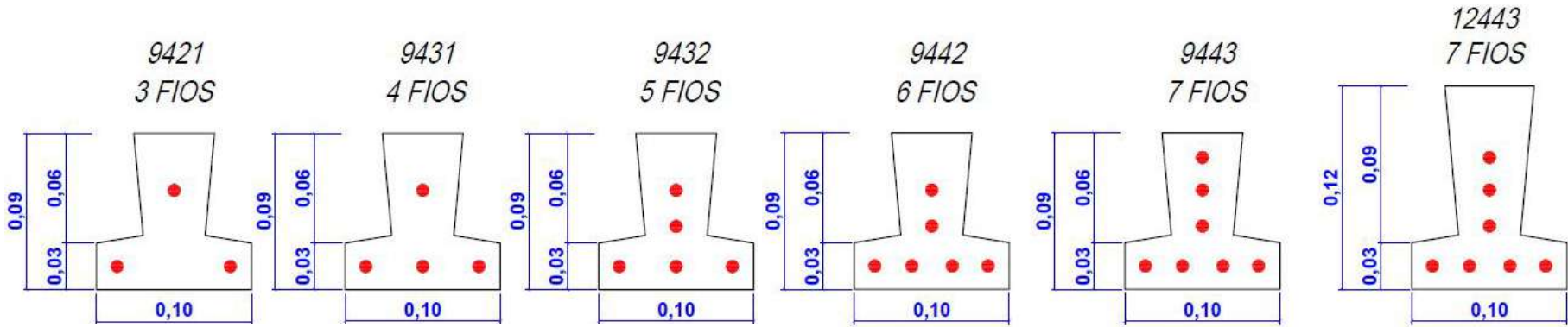
Be= 40 cm (largura da base do enchimento)

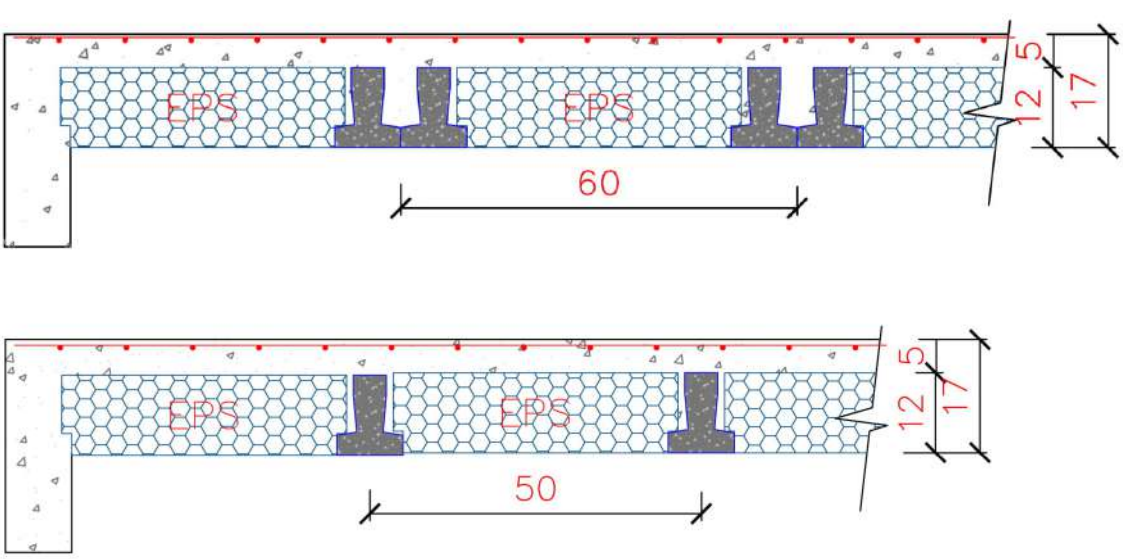
Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=08cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	40	445	413	386	364	345	329	315	302	291	280	262	247	222	202	3,2	6,0	8,0	52	152	90	433
	9431	EPS	40	521	483	453	427	405	386	369	354	341	329	308	290	261	239	3,2	6,0	8,0	52	152	123	433
	9432	EPS	40	584	542	507	479	454	433	414	398	383	369	346	326	294	269	3,2	6,0	8,0	52	152	150	433
	9442	EPS	40	629	584	547	516	490	467	447	429	413	399	373	352	318	291	3,2	6,0	8,0	52	152	173	433
	9443	EPS	40	664	617	578	545	517	493	472	453	436	421	395	372	336	308	3,2	6,0	8,0	52	152	194	433

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





Be= 40 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

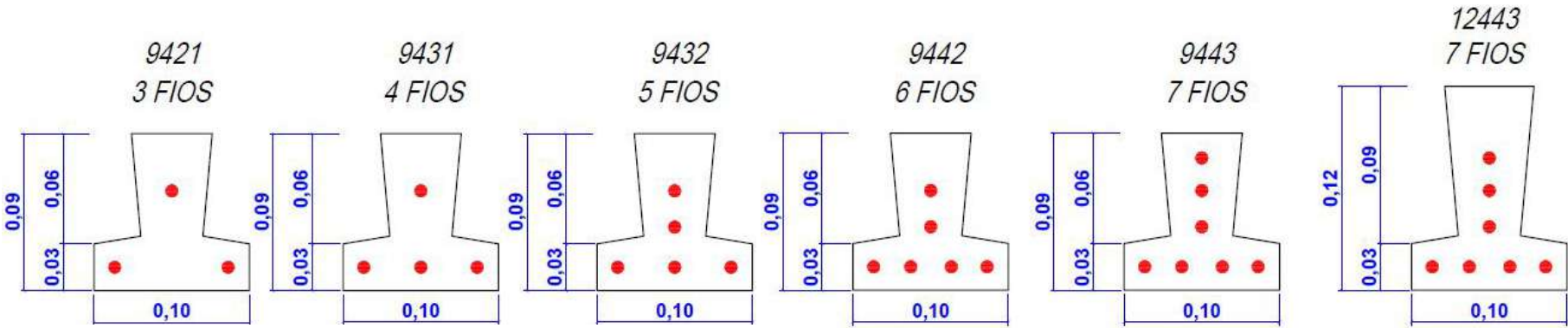
ARRANJO	He=12cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	40	519	484	455	431	410	392	377	363	350	339	319	302	276	255	3,2	6,0	8,0	54	160	110	566
	9431	EPS	40	614	572	537	508	483	461	442	425	410	396	371	350	317	290	3,2	6,0	8,0	54	160	148	566
	9432	EPS	40	680	634	596	563	536	512	490	472	454	439	412	389	352	323	3,2	6,0	8,0	54	160	181	566
	9442	EPS	40	724	674	634	600	570	545	522	502	484	468	439	415	375	344	3,2	6,0	8,0	54	160	214	566
	9443	EPS	40	773	720	677	641	609	582	558	537	517	500	469	444	402	369	3,2	6,0	8,0	54	160	235	566
	12443	EPS	40	773	720	677	641	609	582	558	537	517	500	469	444	402	369	5,0	8,0	10,0	54	160	235	566
DUPLA	9432D	EPS	40	800	797	742	697	659	627	599	575	553	534	500	472	428	395	3,2	6,0	8,0	61	193	286	566
	9442D	EPS	40	800	800	788	740	700	666	636	610	587	566	531	501	454	419	3,2	6,0	8,0	61	193	332	566
	9443D	EPS	40	800	800	800	800	776	738	705	676	651	628	589	556	504	464	3,2	6,0	8,0	61	193	373	566
	12443D	EPS	40	1020	938	873	820	776	738	705	676	651	628	589	556	504	464	5,0	8,0	10,0	61	193	373	566

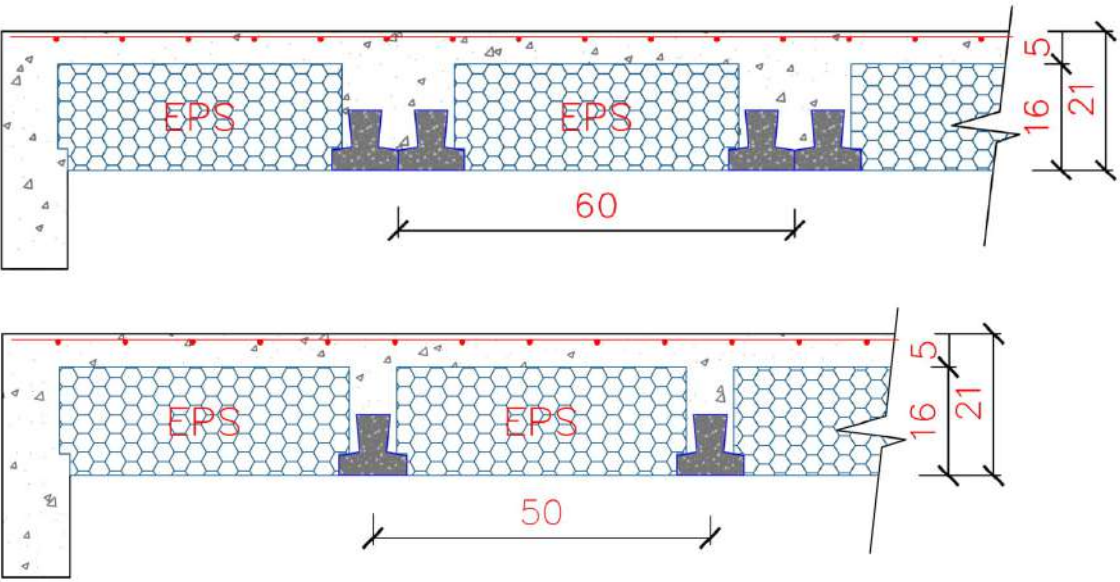
Escoramento

Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





Be= 40 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

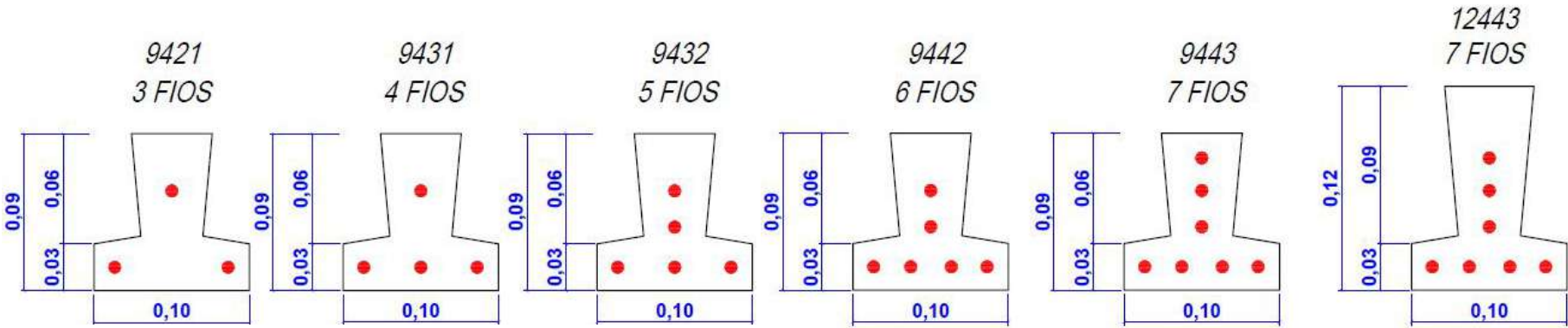
ARRANJO	He=16cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	40	568	532	502	476	454	435	418	403	389	377	356	337	308	285	3,2	6,0	8,0	63	182	162	700
	9431	EPS	40	680	636	600	569	542	518	497	479	462	447	420	397	360	330	3,2	6,0	8,0	63	182	218	700
	9432	EPS	40	750	701	661	627	597	571	548	528	509	493	463	438	397	365	3,2	6,0	8,0	63	182	270	700
	9442	EPS	40	800	767	723	685	653	625	600	577	557	539	507	480	435	400	3,2	6,0	8,0	63	182	306	700
	9443	EPS	40	800	800	759	719	686	656	630	606	585	566	533	504	457	421	3,2	6,0	8,0	63	182	360	700
	12443	EPS	40	860	805	759	719	686	656	630	606	585	566	533	504	457	421	5,0	8,0	10,0	63	182	360	700
DUPLA	9432D	EPS	40	800	800	800	775	735	700	669	642	618	597	560	529	481	443	3,2	6,0	8,0	78	278	430	700
	9442D	EPS	40	800	800	800	800	781	744	712	683	658	635	596	536	511	471	3,2	6,0	8,0	78	278	508	700
	9443D	EPS	40	800	800	800	800	800	800	768	737	710	635	643	608	552	509	3,2	6,0	8,0	78	278	576	700
	12443D	EPS	40	1099	1014	946	890	843	803	768	737	710	685	643	608	552	509	5,0	8,0	10,0	78	278	576	700

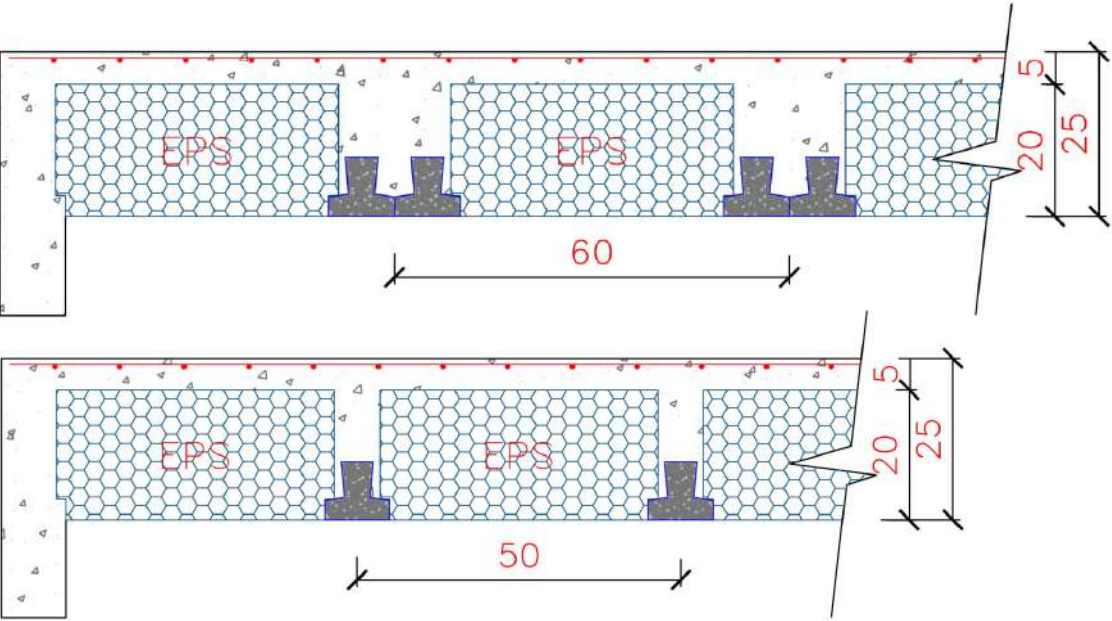
Escoramento

Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





Be= 40 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

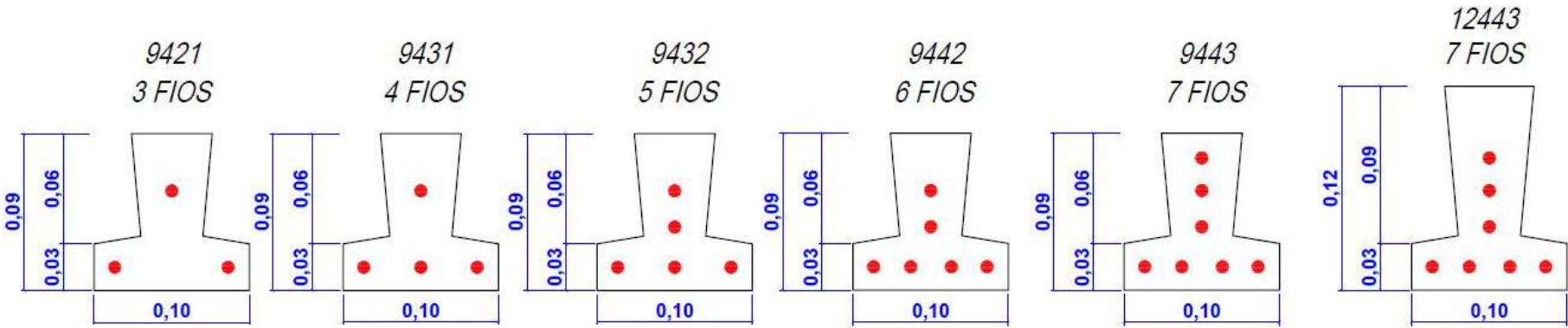
ARRANJO	He=20cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	40	601	564	533	506	483	463	445	428	414	400	377	356	323	297	3,2	6,0	8,0	68	195	200	833
	9431	EPS	40	725	680	643	611	583	558	537	517	500	484	455	431	392	360	3,2	6,0	8,0	68	195	266	833
	9432	EPS	40	800	753	711	676	645	618	594	573	553	535	504	478	434	400	3,2	6,0	8,0	68	195	328	833
	9442	EPS	40	800	800	768	730	697	668	642	619	598	579	545	517	470	433	3,2	6,0	8,0	68	195	384	833
	9443	EPS	40	800	800	800	781	746	715	687	662	640	620	584	553	503	464	3,2	6,0	8,0	68	195	441	833
	12443	EPS	40	927	870	822	781	746	715	687	662	640	620	584	553	503	464	5,0	8,0	10,0	68	195	441	833
DUPLA	9432D	EPS	40	800	800	800	800	800	781	747	718	692	668	628	594	539	498	3,2	6,0	8,0	89	262	530	833
	9442D	EPS	40	800	800	800	800	800	800	798	766	738	713	670	634	576	531	3,2	6,0	8,0	89	262	623	833
	9443D	EPS	40	800	800	800	800	800	800	800	800	798	771	724	685	622	574	3,2	6,0	8,0	89	262	710	833
	12443D	EPS	40	1200	1130	1056	996	945	900	862	828	798	771	724	685	622	574	5,0	8,0	10,0	89	262	710	833

Escoramento

Consultar departamento de engenharia

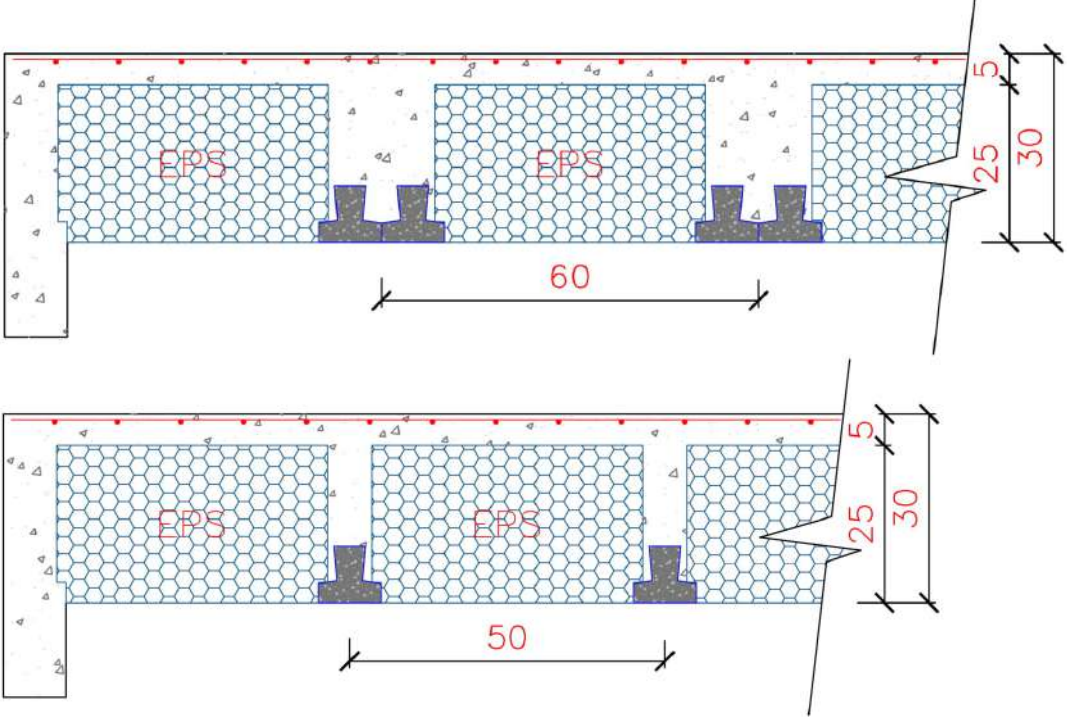
I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.



Be= 40 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)



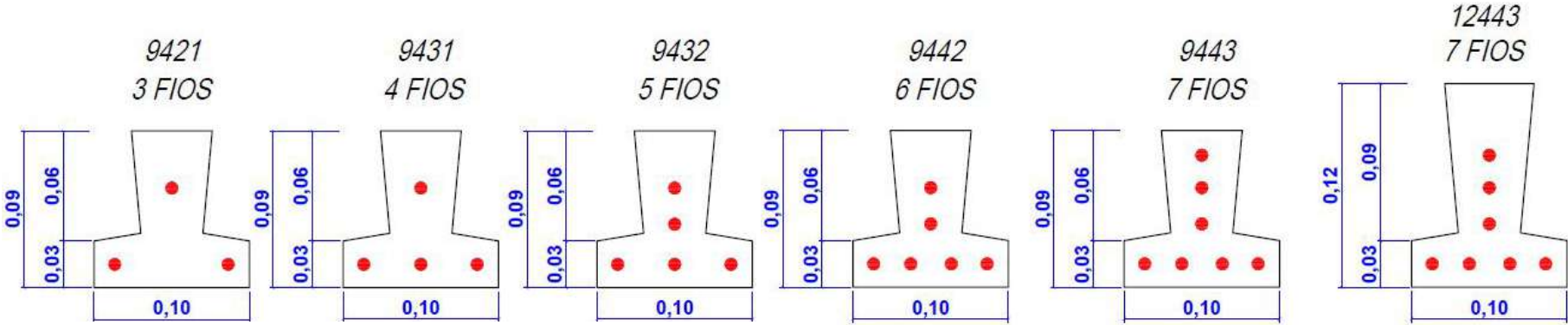
ARRANJO	He=25cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	40	630	594	563	536	512	492	473	456	441	427	403	382	347	320	3,2	6,0	8,0	75	211	243	1000
	9431	EPS	40	765	721	683	651	622	597	575	555	536	520	490	465	423	390	3,2	6,0	8,0	75	211	322	1000
	9432	EPS	40	800	800	779	742	710	681	656	633	612	593	560	531	484	447	3,2	6,0	8,0	75	211	400	1000
	9442	EPS	40	800	800	800	798	763	733	705	681	658	638	602	571	521	481	3,2	6,0	8,0	75	211	470	1000
	9443	EPS	40	800	800	800	800	800	782	753	727	703	682	643	611	557	514	3,2	6,0	8,0	75	211	541	1000
	12443	EPS	40	1001	943	894	852	815	782	753	727	703	682	643	611	557	514	5,0	8,0	10,0	75	211	541	1000
DUPLA	9432D	EPS	40	800	800	800	800	800	800	785	758	734	711	672	639	585	543	3,2	6,0	8,0	103	297	650	1000
	9442D	EPS	40	800	800	800	800	800	800	800	800	800	782	739	702	643	596	3,2	6,0	8,0	103	297	765	1000
	9443D	EPS	40	800	800	800	800	800	800	800	800	800	800	779	741	678	629	3,2	6,0	8,0	103	297	878	1000
	12443D	EPS	40	1200	1140	1080	1029	984	945	910	878	850	824	779	741	678	629	5,0	8,0	10,0	103	297	878	1000

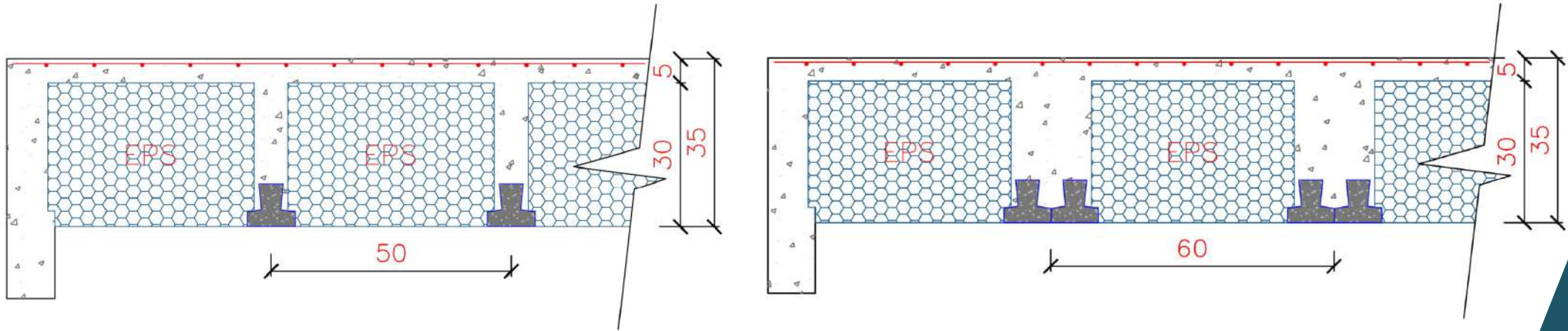
Escoramento

Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





Be= 40 cm (largura da base do enchimento)

Capa = 5cm (f_{ck} = 25 MPa)

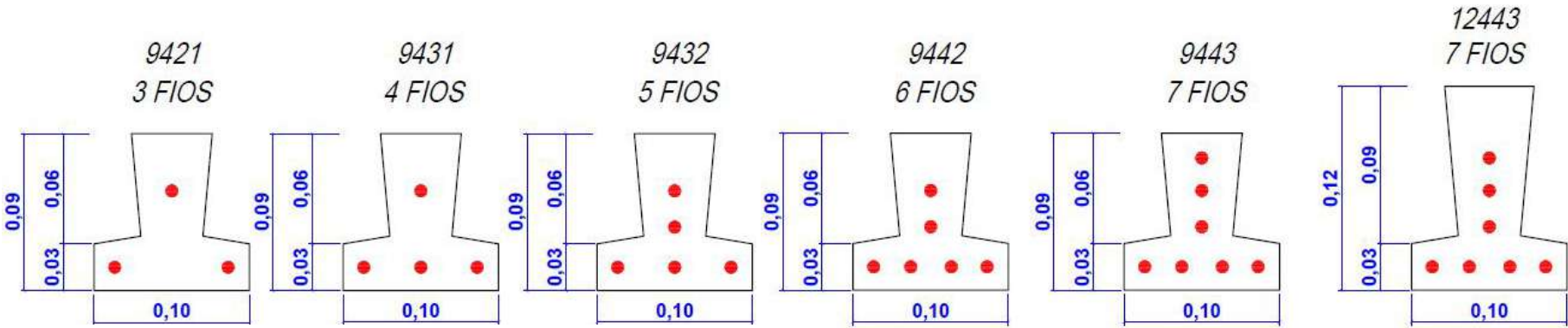
ARRANJO	He=30cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS (cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	
SIMPLES	9421	EPS	40	648	612	582	555	532	511	493	476	461	447	422	400	365	336	3,2	6,0	8,0	88	243	286	1166
	9431	EPS	40	760	718	683	652	625	600	579	559	541	525	496	471	430	397	3,2	6,0	8,0	88	243	380	1166
	9432	EPS	40	800	792	752	718	688	662	638	616	597	579	547	519	474	438	3,2	6,0	8,0	88	243	473	1166
	9442	EPS	40	800	800	800	786	753	724	698	674	653	633	599	569	520	480	3,2	6,0	8,0	88	243	560	1166
	9443	EPS	40	800	800	800	800	800	774	746	721	698	677	640	608	556	514	3,2	6,0	8,0	88	243	643	1166
	12443	EPS	40	979	925	879	840	805	774	746	721	698	677	640	608	556	514	5,0	8,0	10,0	88	243	643	1166
DUPLA	9432D	EPS	40	800	800	800	800	800	800	800	800	780	755	711	673	613	567	3,2	6,0	8,0	122	342	765	1166
	9442D	EPS	40	800	800	800	800	800	800	800	800	800	800	760	720	656	607	3,2	6,0	8,0	122	342	908	1166
	9443D	EPS	40	800	800	800	800	800	800	800	800	800	800	799	757	690	638	3,2	6,0	8,0	122	342	1043	1166
	12443D	EPS	40	1200	1200	1144	1083	1030	985	945	909	877	849	799	757	690	638	5,0	8,0	10,0	122	342	1043	1166

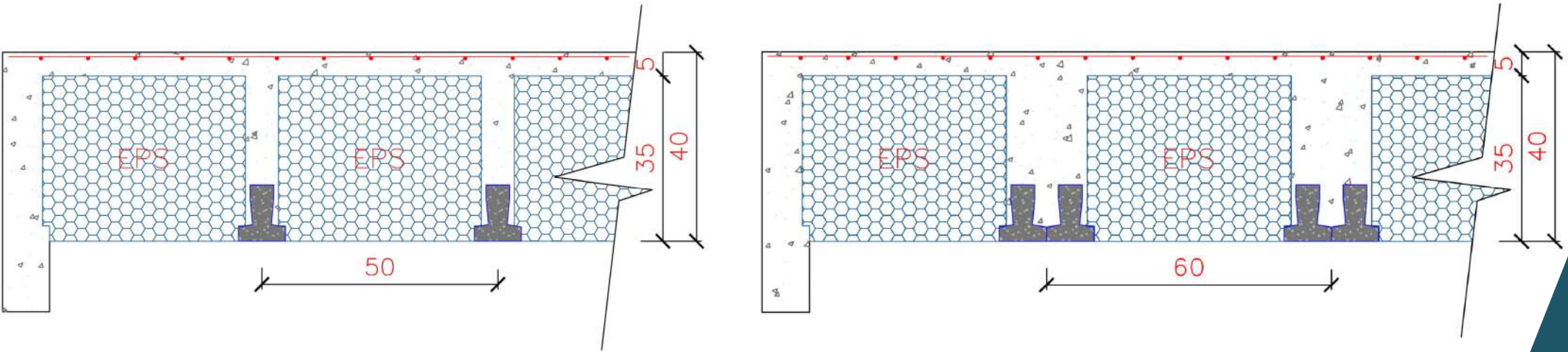
Escoramento

Consultar departamento de engenharia

I.C.= índice de conforto
(consulte NBR 1575)

Vãos em **negrito** excedem o I.C.





Be= 40 cm (largura da base do enchimento) Capa = 5cm (f_{ck} = 25 MPa)

ARRANJO	He=35cm / Be=40			VÃOS MÁXIMOS (cm)														LINHAS DE ESCORAMENTO (VÃO MÁX. POR EIXO)			DADOS DA SECÇÃO			I.C.
				SOBRECARGAS (kgf/m²)																	CON-SUMO	PESO	MRU	
	VIGOTA	TIPO	EPS(cm)	150	200	250	300	350	400	450	500	550	600	700	800	1000	1200	0	1	2	(l/m²)	(kgf/m²)	(kgf.m/m)	(Ht/34)
SIMPLES	9421	EPS	40	657	623	594	568	545	524	506	498	474	460	435	413	377	349	3,2	6,0	8,0	93	258	320	1333
	9431	EPS	40	778	738	703	672	645	621	599	580	562	545	516	490	448	415	3,2	6,0	8,0	93	258	427	1333
	9432	EPS	40	800	800	778	744	715	688	664	642	622	604	572	544	498	461	3,2	6,0	8,0	93	258	530	1333
	9442	EPS	40	800	800	800	800	785	756	729	706	684	664	629	598	547	507	3,2	6,0	8,0	93	258	628	1333
	9443	EPS	40	800	800	800	800	800	800	781	756	733	711	674	641	587	544	3,2	6,0	8,0	93	258	765	1333
	12443	EPS	40	1013	961	915	876	841	810	781	756	733	711	674	641	587	544	5,0	8,0	10,0	93	258	765	1333
DUPLA	9432D	EPS	40	800	800	800	800	800	800	800	800	800	796	750	711	649	601	3,2	6,0	8,0	137	382	870	1333
	9442D	EPS	40	800	800	800	800	800	800	800	800	800	800	800	762	695	643	3,2	6,0	8,0	137	382	1030	1333
	9443D	EPS	40	800	800	800	800	800	800	800	800	800	800	800	800	732	677	3,2	6,0	8,0	137	382	1190	1333
	12443D	EPS	40	1200	1200	1200	1138	1085	1038	997	960	927	898	846	802	732	677	5,0	8,0	10,0	137	382	1190	1333

Escoramento
Consultar departamento de engenharia

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Vãos em **negrito** excedem o I.C.

