



Egcodorn: the stainless steel dowel system

Egcodorn is a high-performance corrosion-proof transverse shear force dowel which transfers maximum loads whilst having a minimal component thickness.

When using Egcodorn, extensive expansion joint formwork is not necessary. Egcodorn's unique corrosion protection system and the use of high-quality materials guarantee the highest safety and reliability.

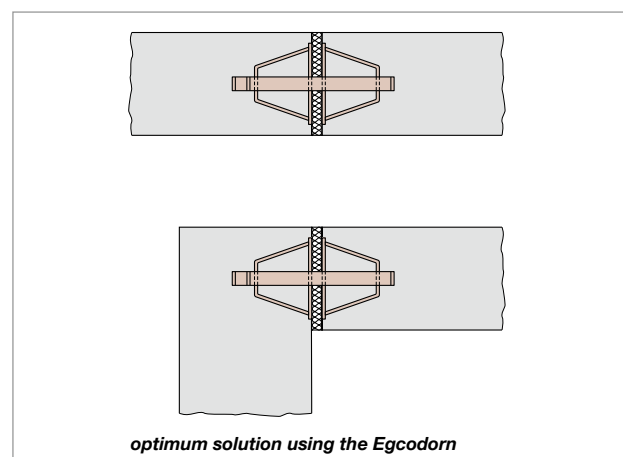
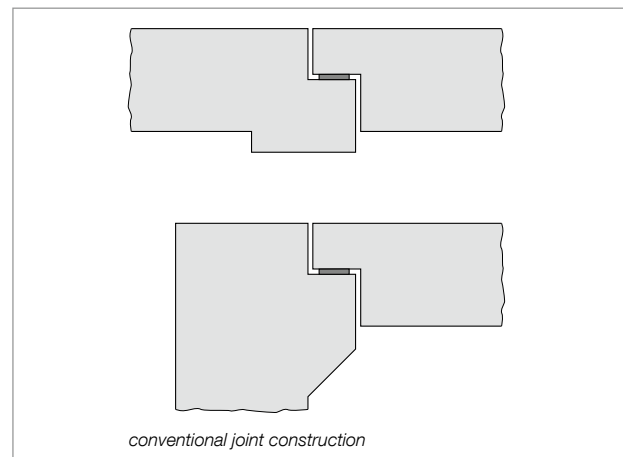
Expansion joints allow for movement between adjacent concrete elements caused by physical changes (thermal expansion, shrinking, material creep). The primary application of the Egcodorn stainless steel dowel system is to carry loads across expansion joints in which shear forces occur. The DIBt approved system offers:

- Optimum load transmission into the concrete
- Transfers maximum loads whilst having a minimum component thickness
- Easy, rapid and cost efficient joint production
- Highest corrosion protection due to use of high quality stainless steel
- Allows for transmission of static and dynamic loads
- Fire protection R120

Special designs available upon request:

- Complete formwork elements combining Egcodorn and Stremaform®
- Customised solutions for absorption of dynamic expansion joint loads

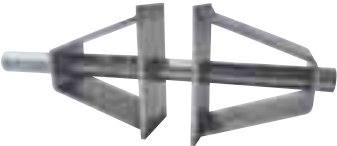

Examples of use



Complete formwork element combining Egcodorn and Stremaform® pre-installed and delivered onto site for expansion joint construction

Egcodorn

Transverse force dowels for very high static loads with DIBt approval and load values acc. to Eurocode


	Designation	Art. no.	Type	Weight kg/pce.	Price €/pce.
	Approved for transverse load transmission, allows lengthwise movement	DNB050	DNB50	3.02	
		DNB070	DNB70	4.53	
		DNB095	DNB95	6.63	
		DNB100	DNB100	7.83	
		DNB120	DNB120	9.00	
		DNB150	DNB150	13.11	
		DNB210	DNB210	19.66	
		DNB300	DNB300	34.59	
		DNB350	DNB350	38.36	
		DNBSON*	DNBSON	-	
	Approved for transverse load transmission, allows lengthwise and lateral movement	DQB050	DQB50	4.27	
		DQB070	DQB70	5.47	
		DQB095	DQB95	8.62	
		DQB100	DQB100	9.98	
		DQB120	DQB120	11.21	
		DQB150	DQB150	15.06	
		DQB210	DQB210	24.19	
		DQB300	DQB300	37.89	
		DQB350	DQB350	45.59	
		DQBSON*	DQBSON	-	

* Special dimensions;

For special applications, complete formwork elements combining both Egcodorn and Stremaform®, please contact our technical advisory service. Fixing instructions, design tables and calculation instructions for Egcodorn are in our Egcodorn brochure.

Egcodorn

Transverse force dowels for transverse force transmission and dynamic loads with DIBt approval Z-15.7-266

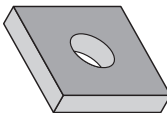
	Designation	Art. no.	Type	Weight kg/pce.	Price €/pce.
	Approved for both transverse load transmission and for dynamic loads, allows lengthwise movement	DND050	DND50	3.02	
		DND070	DND70	4.53	
		DND095	DND95	6.63	
		DND100	DND100	7.83	
		DND120	DND120	9.00	
		DND150	DND150	13.48	
		DND210	DND210	19.66	
		DND300	DND300	34.59	
		DND350	DND350	38.36	
		EDNDSON*	EDNDSON	-	

* Special dimensions;

For specific applications using complete formwork elements which combine Egcodorn and Stremaform® as well as for applications requiring additional transmission of dynamic loads within the joint please get in contact with our technical advisory service.

Egcodorn

Fire protection seal corresponding to fire resistance class F120

	Designation	Art. no.	Price €/pce.
	Please specify Egcodorn or Egcodubel type required. For standard dimensions, please specify joint width. Special dimensions are manufactured to your requirements.	EDBRAND	

We also produce complete joint solutions to fire resistance class F90, please contact our technical advisory service.



For almost 50 years FRANK has been well known for quality and customer-oriented solutions.

Egcodubel with sleeve

for expansion joints

	Designation	Art. no.	Type	Dowel Ø mm	Length of dowel mm	Price €/set
	Stainless-steel dowel (DM), material: HF, incl. circular stainless steel sliding sleeve (H), for transmission of lengthwise movement	EDMH20*	DMHI20HF	20	340	
		EDMH22*	DMHI22HF	22	350	
		EDMH27*	DMHI27HF	27	360	
		EDMH30*	DMHI30HF	30	400	
		EDMH37*	DMHI37HF	37	470	
	Stainless-steel dowel (DM), material: S 355, incl. circular stainless-steel sliding sleeve (H), for transmission of lengthwise movement	EDMH20*	DMHI20	20	300	
		EDMH22*	DMHI22	22	300	
		EDMH27*	DMHI27	27	300	
		EDMH30*	DMHI30	30	350	
	Stainless-steel dowel (DM), material: HF, incl. rectangular stainless-steel sliding sleeve (HQ), for transmission of lengthwise and lateral movement	EDMH20*	DMHQI20HF	20	340	
		EDMH22*	DMHQI22HF	22	350	
		EDMH27*	DMHQI27HF	27	360	
		EDMH30*	DMHQI30HF	30	400	
		EDMH37*	DMHQI37HF	37	470	
	Stainless-steel dowel (DM), material: S 355, incl. rectangular stainless-steel sliding sleeve for transmission of lengthwise and lateral movement	EDMH20*	DMHQI20	20	300	
		EDMH22*	DMHQI22	22	300	
		EDMH27*	DMHQI27	27	300	
		EDMH30*	DMHQI30	30	350	
	Stainless-steel dowel (DM), material: high-strength (HF), incl. circular plastic sliding sleeve (H), for max. dowel length 500 mm and for transmission of lengthwise movement	EDMH20*	DMH20HF	20	340	
		EDMH22*	DMH22HF	22	350	
		EDMH27*	DMH27HF	27	360	
		EDMH30*	DMH30HF	30	400	
	Stainless steel dowel (DM), material: S 355, incl. circular plastic sliding sleeve (H), for max. dowel length 500 mm and for transmission of lengthwise movement	EDMH20*	DMH20	20	300	
		EDMH22*	DMH22	22	300	
		EDMH27*	DMH27	27	300	
		EDMH30*	DMH30	30	350	
	Galvanised dowel (DFA), material: high-strength (HF), incl. circular plastic sliding sleeve (H), for max. dowel length 500 mm and for transmission of lengthwise movement	TDFAH20	DFAH20HF	20	340	
		TDFAH22	DFAH22HF	22	350	
		TDFAH25	DFAH25HF	25	360	
		TDFAH30	DFAH30HF	30	400	
	Galvanised dowel (DFA), material: S 355, incl. circular plastic sliding sleeve (H), for max. dowel length 500 mm and for transmission of lengthwise movement	TDFAH20	DFAH20	20	300	
		TDFAH22	DFAH22	22	300	
		TDFAH25	DFAH25	25	300	
		TDFAH30	DFAH30	30	350	
	Galvanised dowel (DFA), material: S 235, incl. grey plastic sliding sleeve (H), for transmission of lengthwise movement	TDFAH20	DFAH20	20	according to data given	
		TDFAH25	DFAH25	25		

* Dowel with stainless steel casing; The diameter indication for Egcodubel with stainless steel jackets refers to the external diameter. The diameter of the steel core is the external diameter minus 2 mm.

Delivery times on request;

Fixing instructions, design tables and calculation instructions is in the brochure.

For joints rated to fire resistance class F120 see product list page 89.



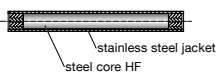
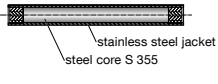

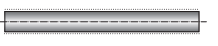



We shall be delighted to send you our brochure

“Egcodorn” free of charge.

We look forward to receiving your inquiry!

Egcodubel



for expansion joints

	Designation	Art. no.	Type	Dowel diameter mm	Length of dowel mm	Price €/pce.
	Dowel with stainless steel sleeve and high-strength steel core	EDM20340*	DM20HF	20	340	
		EDM22350*	DM22HF	22	350	
		EDM27360*	DM27HF	27	360	
		EDM30400*	DM30HF	30	400	
		EDM37470*	DM37HF	37	470	
	Dowel with stainless-steel sleeve, S 355 steel	EDM20300*	DM20	20	300	
		EDM22300*	DM22	22	300	
		EDM27300*	DM27	27	300	
		EDM30350*	DM30	30	350	
	Special-type dowels	EDMSONDER	DMØ	according to data given		
	Dowel – galvanized, high-strength steel	TDFA20340	DFA20HF	20	340	
		TDFA22350	DFA22HF	22	350	
		TDFA25360	DFA25HF	25	360	
		TDFA30400	DFA30HF	30	400	
	Dowel – galvanized, S 355	TDFA20300	DFA20	20	300	
		TDFA22300	DFA22	22	300	
		TDFA25300	DFA25	25	300	
		TDFA30350	DFA30	30	350	
	Dowel – galvanized, S 235	TQG18500	TQG18	18	500	
		TQG20500	TQG20	20	500	
		TQG22500	TQG22	22	500	
		TQG25500	TQG25	25	500	
		TQG28500	TQG28	28	500	
	Dowel – galvanized, S 355; semi-clad with elastic material, expansion cap for one-dimensional movement	TDFAHB20500	DFAHB20	20	500	
		TDFAHB22500	DFAHB22	22	500	
		TDFAHB25500	DFAHB25	25	500	
	Dowel – galvanized, S 235; semi-clad with elastic material, expansion cap for one-dimensional movement	TQGH18500	TQGH18	18	500	
		TQGH20500	TQGH20	20	500	
		TQGH22500	TQGH22	22	500	
		TQGH25500	TQGH25	25	500	
		TQGH28500	TQGH28	28	500	


* Dowel with stainless steel casing;
The diameter indication for Egcodubel with stainless steel jackets refers to the external diameter.
The diameter of the steel core is the external diameter minus 2 mm.
For joints rated to fire resistance class F120 see product list page 89.

Dowels

for construction joints

	Designation	Art. no.	Type	Dowel diameter mm	Length of dowel mm	Price €/pce.
	Dowel – S 235 black, with full plastic coating	TQDVOLL25	TQDVOLL25	25	500	
	Dowel, BSt 500 S, ribbed steel dowel, epoxy coated	TQD2A	2-A	20	500	
		TQD2B	2-B	25	500	

Corrosion-resistant tie bar

	Designation	Art. no.	Bar diameter mm	Length of tensible anchor mm	Price €/pce.
	Tie bar, material BSt 500 S with stainless steel sleeve, sleeve length 200 mm	TDZ12	12	980	
		TDZ14	14	1100	
		TDZ16	16	1240	
		TDZ20	20	1500	



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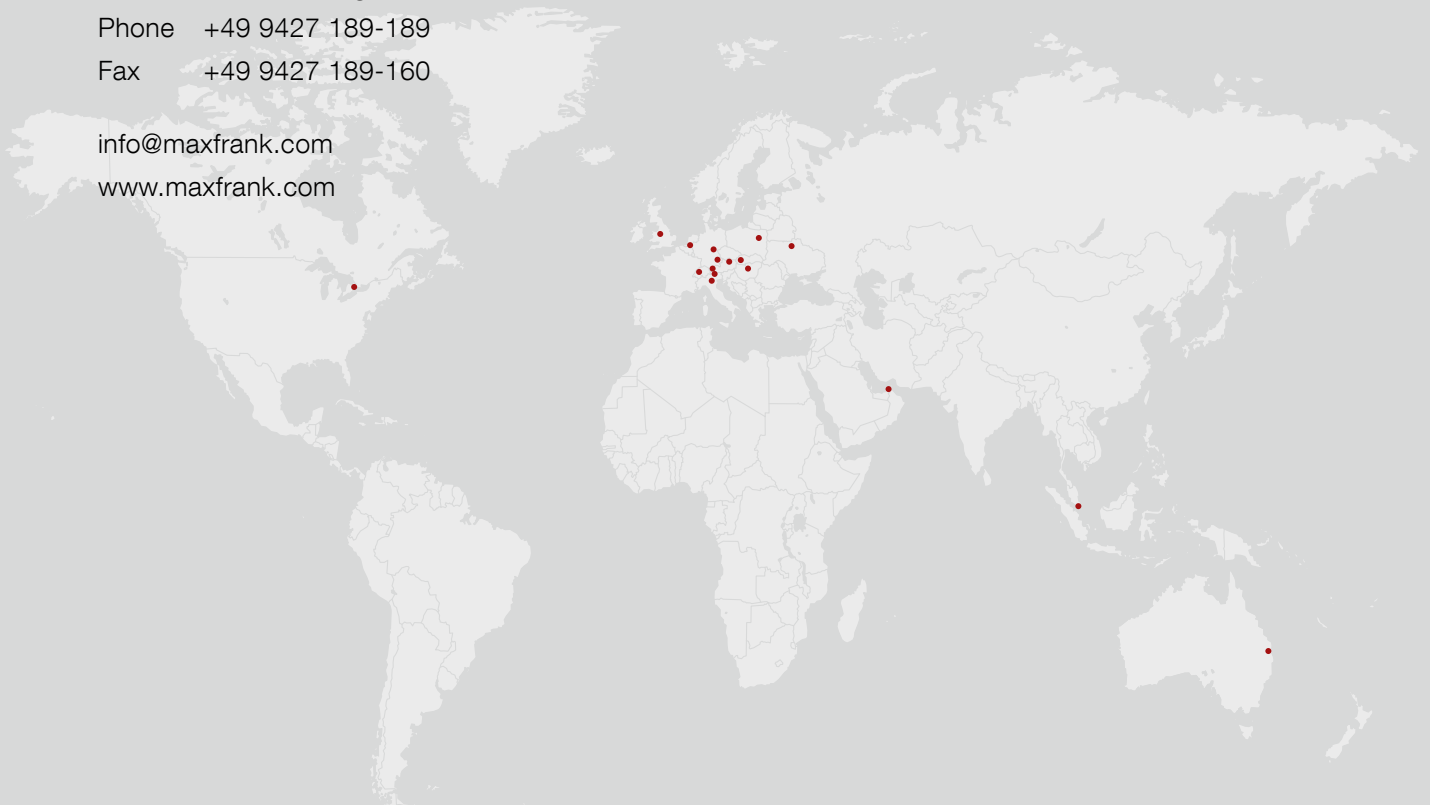
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