HALFEN	CHECKLIST **DETAN Tension rod system**	Product field: **DETAN Tension rod systems** Form No.: **CHK-F-DT-001-E**

Customer: _____ Contact name: _____

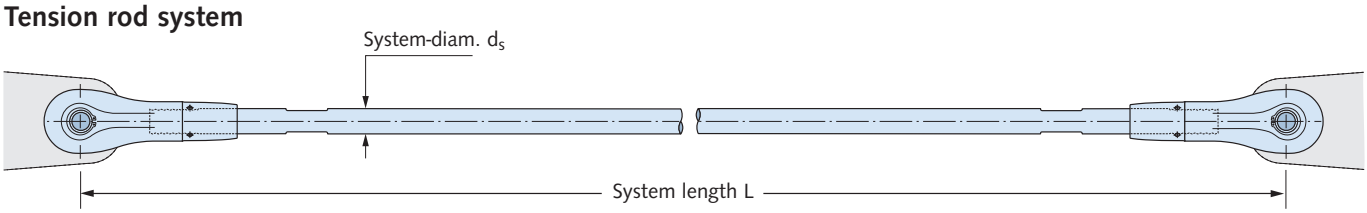
Customer address: _____

Tel.: _____ Fax: _____ E-mail: _____

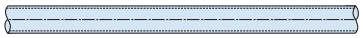
Project: _____ Project address: _____

Date: _____ Customer no.: _____ ❑ Enquiry ❑ Estimate ❑ Order

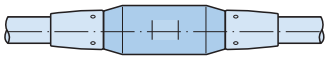
Tension rod system



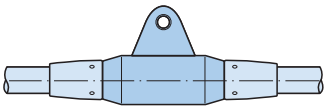
Design variants:



without coupler



with coupler



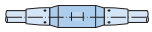
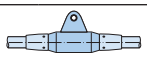
with coupler with lug

Choice of material:

DETAN-S (Steel) – FV (hot-dip galvanized)
ETA-05/0207; EN1993

DETAN-S (Steel) – WB (mill finish)
ETA-05/0207; EN1993

DETAN-E (Stainless steel)
ETA-11/0311; EN1993

Item	Qty	d_s [mm]	$Z_{Ed,max}$ ② [kN]	L [mm]		 Quantity ①		 Quantity ①		Material choice		
										WB	FV	E
Example	*3*	*30*		*5600*		*x*	*2*				*x*	

① Quantity of couplers in one system length
② maximum tension load required if diameter is unknown

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es.det.halfen.de@leviat.com

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HALFEN

CHECKLIST

DETAN Cross bracings

Product field:
DETAN Tension rod systems

Form No.:
CHK-F-DT-002-E

Customer: _____ Contact name: _____

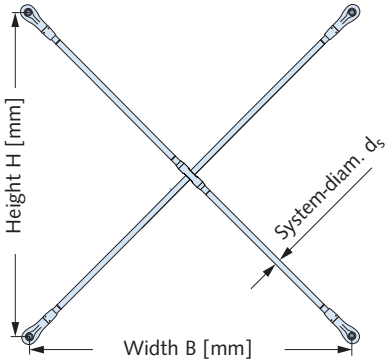
Customer address: _____

Tel.: _____ Fax: _____ E-mail: _____

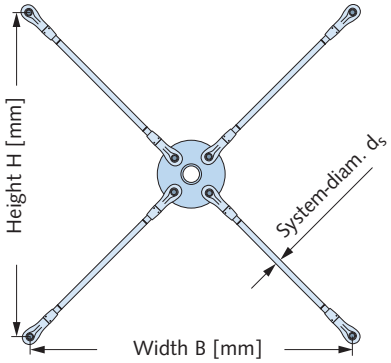
Project: _____ Project address: _____

Date: _____ Customer no.: _____ ❑ Enquiry ❑ Estimate ❑ Order

Cross bracing



with cross coupler ②



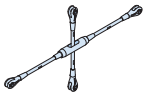
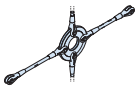
with anchor disc ②

Choice of material:

DETAN-S (Steel) – FV (hot-dip galvanized)
ETA-05/0207

DETAN-S (Steel) – WB (mill finish)
ETA-05/0207

DETAN-E (Stainless steel)
ETA-11/0311

Item	Qty	d_s [mm]	$Z_{Ed,max}$ ① [kN]	B [mm]	H [mm]			Material choice		
								WB	FV	E
Example	*3*	*30*		*5600*	*4200*	*x*			*x*	

① maximum tension load required if diameter is unknown
② smallest installation angle α = 40°

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es.det.halfen.de@leviat.com

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HALFEN	CHECKLIST **DETAN Compression rod system**	Product field: **DETAN Tension rod systems** Form No.: **CHK-F-DT-003-E**

Customer: _____ Contact name: _____

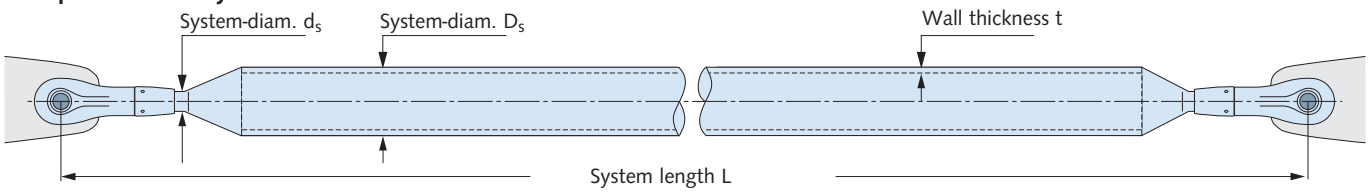
Customer address: _____

Tel.: _____ Fax: _____ E-mail: _____

Project: _____ Project address: _____

Date: _____ Customer no.: _____ ❑ Enquiry ❑ Estimate ❑ Order

Compression rod system



Choice of material:

DETAN-S – FV (hot-dip galvanized)
ETA-05/0207; EN1993

DETAN-S – WB (mill finish)
ETA-05/0207; EN1993

DETAN-E (Stainless steel)
ETA-11/0311; EN1993

Item	Qty	d_s [mm]	D_s ③ [mm]	t ③ [mm]	$N_{Ed,max}$ ① [kN]	$Z_{Ed,max}$ ② [kN]	L [mm]	Material choice		
								WB	FV	E
Example	*5*	*16*	*54*	*2.6*			*1250*		*x*	

① for unknown geometry maximum compression stress is required

② for unknown geometry maximum tension stress is required (only if present)

③ shorter delivery periods if standard lengths from table below will be selected (see also ⓘ **Note**):

Standard cross sections [mm]; only for steel S355							
Tube diameter	42.4	54.0	60.3	76.1	88.9	114.3	139.7
Wall thickness	2.6	2.6	2.9	2.9	3.2	3.6	4.0

ⓘ **Note:** DETAN Compression rods are also available with other diameters as shown in the table.

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HALFEN	CHECKLIST **DETAN Tension rod special design**	Product field: **DETAN Tension rod systems** Form No.: **CHK-F-DT-004-E**

Customer: _____ Contact name: _____

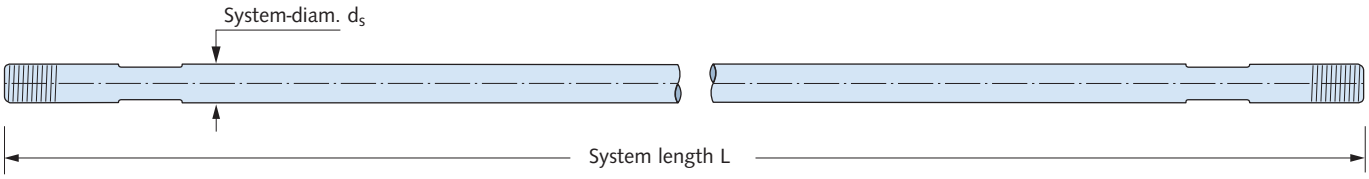
Customer address: _____

Tel.: _____ Fax: _____ E-mail: _____

Project: _____ Project address: _____

Date: _____ Customer no.: _____ ❑ Enquiry ❑ Estimate ❑ Order

Special design rod ③



Choice of material:

DETAN-S – FV (hot-dip galvanized)
ETA-05/0207; EN1993

DETAN-S – WB (mill finish)
ETA-05/0207; EN1993

DETAN-E (Stainless steel)
ETA-11/0311; EN1993

Item	No.	d_s ③ [mm]	L [mm]	Thread design incl. statement ①② of thread-length [mm]					fork connection single ended with thread direction ③		Choice of material		
				r/r		l/l		r/l					
									r	l	WB	FV	E
Example	*3*	*30*	*2500*			*x*				*x*		*x*	
						125	*80*						

① r/r = right-hand/right-hand - thread; l/l = left-hand/left-hand - thread;
r/l = right-hand/left-hand - thread
② longer threads than 195 mm on request
③ not part of European Technical Assessment

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