



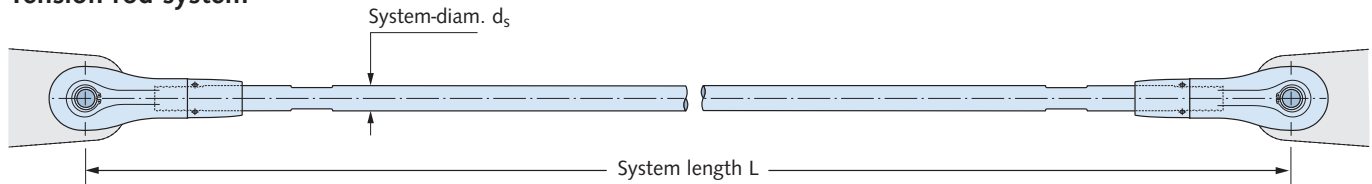
### CHECKLIST DETAN Tension rod system

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

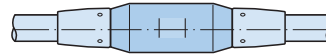
#### Tension rod system



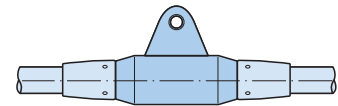
#### Design variants:



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

Item	Quantity	d <sub>s</sub> [mm]	Z <sub>Ed,max</sub> ② [kN]	L [mm]	 Quantity ①		 Quantity ①		Material choice	
									mill finish	hot-dip galvanized
<i>Example</i>	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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 Please contact us for an estimate.



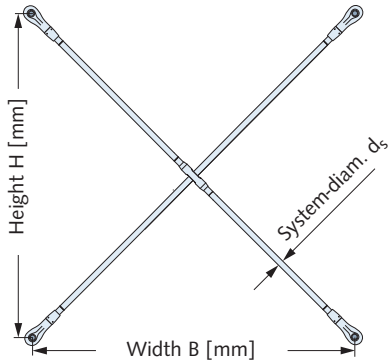
# CHECKLIST DETAN Cross bracings

Product field:  
**DETAN Tension rod systems**

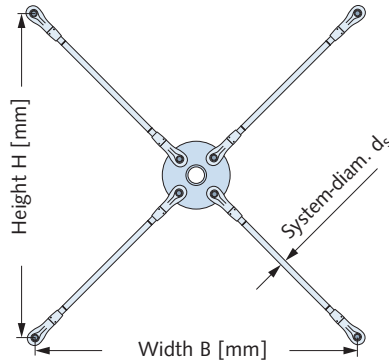
Form No.:  
**CHK-F-DT-002-E**

Customer: \_\_\_\_\_ Contact name: \_\_\_\_\_  
 Customer address: \_\_\_\_\_  
 Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_  
 Project: \_\_\_\_\_ Project address: \_\_\_\_\_  
 Date: \_\_\_\_\_ Customer no.: \_\_\_\_\_  Enquiry  Estimate  Order

### Cross bracing



with cross coupler ②

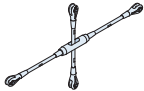
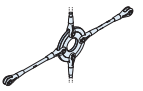


with anchor disc ②

### Choice of material:

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

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

Item	Quantity	d <sub>s</sub> [mm]	Z <sub>Ed,max</sub> ① [kN]	B [mm]	H [mm]			Material choice	
								mill finish	hot-dip galvanized
<i>Example</i>	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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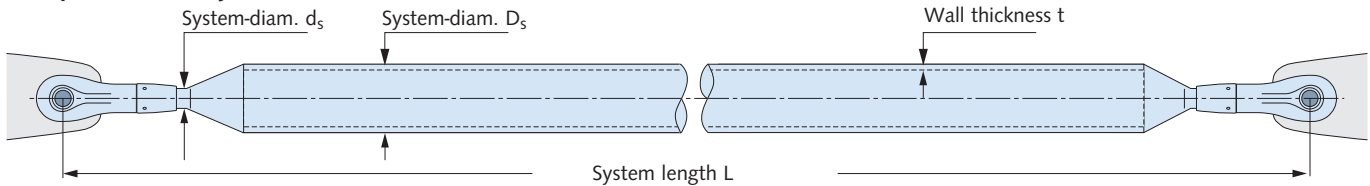
CHECKLIST  
**DETAN Compression rod system**

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

Item	Qty	d <sub>s</sub> [mm]	D <sub>s</sub> ③ [mm]	t ③ [mm]	N <sub>Ed,max</sub> ① [kN]	Z <sub>Ed,max</sub> ② [kN]	L [mm]	Material choice	
								mill finish	hot-dip galvanized
<i>Example</i>	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):

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

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

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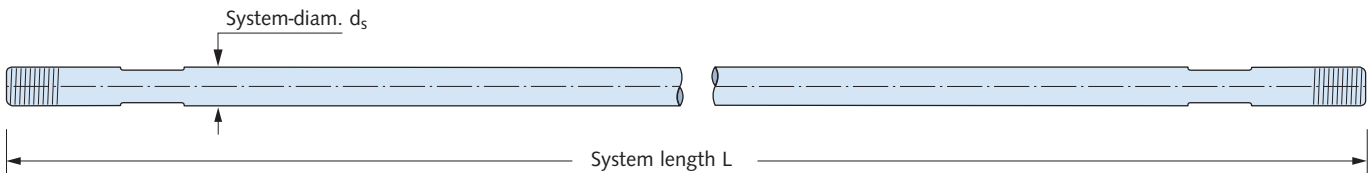
CHECKLIST  
**DETAN Tension rod special design**

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<sup>③</sup>**



**Choice of material:**

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

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

Item	Quantity	$d_s$ <sup>③</sup> [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	mill finish	hot-dip galvanized
<i>Example</i>	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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