

Aan T-Mobile Netherlands B.V.
t.a.v. mevrouw E. van Coolwijk
Waldorpstraat 60
2521CC 's-Gravenhage

Drachten,
29 september 2020

Ons kenmerk
2020-012075

Uw kenmerk

Behandeld door
Dennis Hoogenkamp
0512 - 581 234

Onderwerp

het plaatsen van een tijdelijke antennemast voor mobiele communicatie

Geachte mevrouw Van Coolwijk,

Op 11 september 2020 hebben wij een aanvraag omgevingsvergunning ontvangen voor het plaatsen van een tijdelijke antennemast voor mobiele communicatie. Deze aanvraag gaat over de locatie nabij Fabrykswei 13, 9216WR Oudega. Ons besluit krijgt u in deze brief.

Besluit

Op 29 september 2020 hebben wij besloten dat u de omgevingsvergunning krijgt. Aan de omgevingsvergunning hebben wij voorschriften verbonden. De omgevingsvergunning bestaat uit de volgende activiteit(en):

- Bouwen (nieuw) – tijdelijke antennemast
- Bouwen in strijd met bestemmingsplan - tijdelijke antennemast

De omgevingsvergunning wordt afgegeven voor een termijn van maximaal 12 maanden.

Waarom hebben wij dit besloten?

Uw aanvraag omgevingsvergunning is getoetst aan de regelgeving en voldoet aan de eisen. In de bijlage vindt u de onderbouwing.

Voorwaarden

Wij verlenen de omgevingsvergunning onder voorschriften. Daarnaast gelden nog andere wettelijke eisen. Hieraan moet u zich houden. Het is daarom belangrijk dat u ze goed leest, ze staan in de bijlage. De bijlage maakt onderdeel uit van dit besluit.

Wanneer mag u de vergunning gebruiken?

U heeft nu de omgevingsvergunning. U kunt zelf een afweging maken of u al wilt beginnen met de werkzaamheden. Er kunnen nog wel bezwaren worden ingediend. Dit mag tot zes weken na de dag waarop dit besluit aan u is verzonden (bekendmaking).

Wat kost deze vergunning

In de gemeentelijke legesverordening staat dat u voor deze omgevingsvergunning leges moet betalen. U moet € 543,00 betalen. U ontvangt de nota binnen een week.



Bent u het niet eens met ons besluit?

Als u het niet eens bent met dit besluit, dan kunt u bezwaar maken. In de bijlage leest u hoe u dat kunt doen onder het kopje "Rechtsbescherming". Ik raad u aan voordat u bezwaar maakt, eerst telefonisch contact met ons op te nemen.

Publicatie

Ons besluit wordt digitaal gepubliceerd op www.overheid.nl/overuwbuurt.

In het weekblad Actief worden tevens informatieve mededelingen geplaatst. Wij leggen de omgevingsvergunning met de bijbehorende stukken zes weken ter inzage. Binnen deze termijn kan een belanghebbende bezwaar maken tegen het besluit en een voorlopige voorziening aanvragen. Meer informatie hierover vindt u onder het kopje Rechtsbescherming.

Privaatrechtelijke belangen

Het feit dat wij u deze vergunning verlenen sluit niet uit dat er nog privaatrechtelijke belemmeringen zijn die de uitvoering van deze vergunning kunnen belemmeren. U kunt hierbij bijvoorbeeld denken aan een kettingbeding in het koopcontract van een onroerend goed.

Extra informatie

Ik wijs u er verder op dat er rechten van anderen kunnen zijn die er voor zorgen dat u geen gebruik kunt maken van uw omgevingsvergunning. (denk aan bouwen op grond derden)

Ook kan het zijn dat u naast deze vergunning ook nog een vergunning nodig heeft van de Provincie Fryslân in het kader van de Wet Natuurbescherming. Deze vergunning heeft als doel om vast te stellen in welke mate de door u aangevraagde activiteit gevolgen heeft voor natuurgebieden in de nabije omgeving.

De regelgeving is door een uitspraak van De Raad van State in mei 2019 buiten werking gesteld. De bepalingmethode PAS (Programmatische Aanpak Stikstof) mag als berekeningsmethodiek niet meer worden gebruikt. Dit heeft direct gevolgen voor o.a. vergunningverlening in verband met de aanhaakplicht. Als de activiteit die wordt aangevraagd kan leiden tot een toename van de uitstoot van stikstofoxiden of ammoniak.

Deze stoffen komen o.a. vrij bij alle verbrandingsprocessen en door ammoniakemissies in de landbouw. Het is nog niet duidelijk vanaf welke verwachte toename wij de Provincie Fryslân moeten vragen om een verklaring van geen bedenkingen ("aanhaken" van de Natuurwet bij de omgevingsvergunning).

Het feit dat wij voor uw plan geen verklaring bij de Provincie Fryslân hebben gevraagd maakt niet dat u mogelijk geen Natuurwetvergunning nodig heeft. Als u een dergelijke vergunning wel nodig blijkt te hebben, dan zou u ondanks de nu verleende omgevingsvergunning uw project in eerste instantie niet kunnen uitvoeren.

Heeft u vragen?

Ik wens u succes met het uitvoeren van uw plan. Als u nog vragen heeft over omgevingsvergunning, dan kunt u bellen met mij via telefoonnummer 0512 - 581 234 of per e-mail via d.hoogenkamp@smallingerland.nl.

Met vriendelijke groet,

Namens het college van burgemeester en wethouders van Smallingerland,

Jan Willem van der Molen
Wabo coördinator

Deze brief is automatisch verwerkt. Daarom ontbreekt de gebruikelijke handtekening.

De documenten die in de inhoudsopgave van deze digitale vergunning staan, maken onderdeel uit van dit besluit.

Wij wijzen u erop dat het formaat en de schaal van tekeningen op papier kunnen afwijken. De digitale versie van de tekening is leidend.

Daarnaast maken de volgende bijlagen onderdeel uit van dit besluit:

- Inhoudelijke beoordeling
- Voorwaarden
- Begrippen
- Rechtsbescherming

BIJLAGE bij omgevingsvergunning

Inhoudelijke beoordeling

De reguliere voorbereidingsprocedure is van toepassing op uw omgevingsvergunning (artikel 3.7 Wabo).

De omgevingsvergunning bestaat uit de activiteiten:

- Bouwen – tijdelijke antennemast
- Bouwen in strijd met bestemmingsplan - tijdelijke antennemast

Activiteit bouwen

Deze activiteit hebben wij getoetst aan:

- het Bouwbesluit (artikel 2.10 lid 1 onder a Wabo);
- de Bouwverordening (artikel 2.10 lid 1 onder b Wabo);
- het bestemmingsplan "Kleine kernen noord" (artikel 2.10 lid 1 onder c Wabo);
- de Welstand- en Reclamenota Smallingerland 2014 (artikel 2.10 lid 1 onder d Wabo). Vrijgesteld bij tijdelijke bouw.

Motivering:

De aanvraag voldoet niet op alle punten. De activiteit is strijdig met het bestemmingsplan. Wij wijken hiervan af. Onder het kopje "Strijdig gebruik" leggen we uit waarom wij in dit geval afwijken van het bestemmingsplan.

Omdat afwijken mogelijk is en de aanvraag verder voldoet aan de regelgeving, krijgt u de omgevingsvergunning. De omgevingsvergunning wordt verleend voor een termijn van maximaal 12 maanden.

U moet wel voldoen aan de voorwaarden die in deze bijlage staan.

Activiteit strijdig gebruik

Deze activiteit hebben wij getoetst aan het bestemmingsplan "Kleine kernen noord" (artikel 2.10 lid 1 onder c Wabo) en artikel 2.12 van de Wabo.

Motivering:

Uw aanvraag voldoet niet aan de bestemming "Maatschappelijk - 2" omdat een mast maximaal 8 meter hoog mag zijn (artikel 13.2.3 onder c van het bestemmingsplan). Wij wijken af van het bestemmingsplan en staan toe dat de tijdelijke antennemast ten behoeve van de telecommunicatie wordt geplaatst met een maximale hoogte van 30 meter (artikel 4 lid 5 van bijlage 2 van het besluit omgevingsrecht).

De bestaande antennemast staat op het naastgelegen pand (oude fabriek). De komt te vervallen bij de sloop van het pand. De tijdelijke mast wordt vergund voor een periode van maximaal 12 maanden. Binnen deze periode wordt er aan een definitieve oplossing gewerkt elders in het dorp.

De hoogte ten opzichte van de bestaande mast neemt wel toe. De hoeveelheid antennes in de mast niet. Deze mast is puur voor de overbrugging van de periode van sloop tot definitieve oplossing.

Omdat het hier een tijdelijke noodmaatregel betreft die onmiddellijk na de verplaatsing richting de tennisbanen weer verdwijnt, doet het geen langdurige en blijvende afbreuk aan het ruimtelijk beeld. Het is dus vanuit stedenbouwkundig oogpunt geen structurele ingreep.

Er zijn geen nadelige effecten op het milieu en de omgeving te verwachten.
Daarom krijgt u de omgevingsvergunning. U moet wel voldoen aan de voorwaarden die in deze bijlage staan.

Leges

In de gemeentelijke legesverordening staat dat u voor deze vergunning leges moet betalen.
Het gaat om het volgende bedrag:

Artikel	Toelichting	Bedrag
2.3.1.1.1 t/m ..7	Omgevingsvergunning: Bouwactiviteiten	€ 318,00
2.3.3.2	Omgevingsvergunning: Afwijking kruimelgeval	€ 225,00
Totaal		€ 543,00

Voorwaarden

Aan deze vergunning met nummer 2020-012075 zijn de volgende voorschriften verbonden:
De algemeen verbindende voorschriften van het Bouwbesluit, het geldende bestemmingsplan en de gemeentelijke bouwverordening zijn op het bouwen en het in gebruik hebben van het bouwwerk van toepassing.

Het is belangrijk dat u contact met ons op neemt over:

- Start werkzaamheden.

De start van de werkzaamheden moet u minimaal vijf werkdagen voordat u begint melden bij Team Vergunningen, Toezicht en Handhaving.

- Afronding bouwwerkzaamheden (gereedmelding)

Wanneer de bouwwerkzaamheden zijn afgerond, meldt u dit aan een toezichthouder van het Team Vergunningen, Toezicht en Handhaving.

- Hoe meldt u deze zaken bij ons?

De start- en de gereedmelding kunt u doen via de digitale formulieren op onze website:
www.smallingerland.nl/Onderwerpen/Meldingen/Start_en_gereedmelding_verbouwing
Deze formulieren kunt u ook bij de Servicecentrum in het gemeentehuis invullen.

Wij kunnen de omgevingsvergunning intrekken als niet binnen 6 maanden na het onherroepelijk worden van deze vergunning is begonnen met de bouw.

De omgevingsvergunning wordt afgegeven voor een maximaal te stellen termijn van 12 maanden of korter, wanneer de definitieve oplossing voor een vast antenne installatie is behaald.

De tijdelijke antenne installatie dient na deze termijn te zijn verwijderd en het perceel dient ter plekke van de antenne installatie in de oorspronkelijk staat te zijn gebracht.

Rechtsbescherming

U kunt uw bezwaar digitaal naar de gemeente sturen door op onze website met uw DigiD het bezwaarformulier in te vullen. Dit formulier vindt u op www.smallingerland.nl/bezwaar. Maakt u liever per brief bezwaar, dan stuurt u uw bezwaarschrift naar:

College van burgemeester en wethouders van de gemeente Smallingerland
Postbus 10.000
9200 HA Drachten

Zorg ervoor dat u het bezwaarschrift indient binnen zes weken na de dag waarop dit besluit is verzonden. Daarmee voorkomt u dat wij uw bezwaarschrift niet meer kunnen behandelen. In het bezwaarschrift zet u:

- Uw naam, adres, datum, handtekening en graag het telefoonnummer waarop u overdag te bereiken bent;
- Een omschrijving van het besluit waartegen u bezwaar maakt (vermeld de verzenddatum en het kenmerk van het besluit of stuur een kopie van dit besluit mee);
- De reden waarom u het niet met ons besluit eens bent.

Houdt u er rekening mee dat het indienen van een bezwaarschrift geen schorsende werking heeft. Wilt u dat deze termijn wordt geschorst, dan kunt u - naast het indienen van het bezwaarschrift - om een voorlopige voorziening vragen (artikel 8:81 Awb). Dit doet u bij de Voorzieningenrechter van de rechtbank Noord-Nederland, Afdeling Bestuursrecht, Postbus 150, 9700 AD Groningen. Hiervoor moet u griffierecht betalen. Nadere informatie over de hoogte van het griffierecht en de manier van betalen, kunt u krijgen bij de griffie van de rechtbank.

Begrippen

Wabo:	Wet algemene bepalingen omgevingsrecht
Bor:	Besluit omgevingsrecht
Mor:	Regeling omgevingsrecht
Awb:	Algemene wet bestuursrecht
APV:	Algemene plaatselijke verordening Smallingerland

Formulierversie
2020.01

Aanvraaggegevens

Publiceerbare aanvraag/melding

Aanvraagnummer	5445669
Aanvraagnaam	bouw tijdelijke antennemast mobiele communicatie
Uw referentiecode	Oudega
Ingediend op	11-09-2020
Soort procedure	Reguliere procedure
Projectomschrijving	T-Mobile wenst ter verbetering dekking voro nu eerst een tijdelijke mast tbv mobiele communicatie te plaatsen. e.e.a in overleg met de gemeente
Opmerking	ter verbetering van de dekking/voorkoming dekkingsgat T-Mobile
Gefaseerd	Nee
Blokkerende onderdelen weglaten	Nee
Kosten openbaar maken	Nee
Bijlagen die later komen	op verzoek evt later
Bijlagen n.v.t. of al bekend	op verzoek evt later

Bevoegd gezag

Naam:	Gemeente Smallingerland
Bezoekadres:	Gauke Boelensstraat 2 9203 RM DRACHTEN
Postadres:	Postbus 10.000 9200 HA DRACHTEN
Telefoonnummer:	0512 - 581 234
Faxnummer:	0512-581400
E-mailadres:	gemeente@smallingerland.nl
Website:	www.smallingerland.nl
Contactpersoon:	afdeling Publiek

Overzicht bijgevoegde modulebladen

Aanvraaggegevens

Locatie van de werkzaamheden

Werkzaamheden en onderdelen

Antenne-installatie voor mobiele telecommunicatie plaatsen

- Bouwen

Bijlagen

Formulierversie
2020.01

Locatie

1 Adres

Postcode	9216WR
Huisnummer	13
Huisletter	-
Huisnummertoevoeging	-
Straatnaam	Fabrykswei
Plaatsnaam	Oudega
Gelden de werkzaamheden in deze aanvraag/melding voor meerdere adressen of percelen?	☐ Ja ☒ Nee

3 Toelichting

Eventuele toelichting op locatie	de locatie in overleg met de gemeent en akkoord met de eigenaar (huurovk gesloten)
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Bouwen

Antenne-installatie voor mobiele telecommunicatie plaatsen

1 De bouwwerkzaamheden

Wat is er op het bouwwerk van toepassing?

- ☐ Het wordt geheel vervangen
☐ Het wordt gedeeltelijk vervangen
☒ Het wordt nieuw geplaatst

Eventuele toelichting

-

Hebt u voor deze bouwwerkzaamheden al eerder een vergunning aangevraagd?

- ☐ Ja
☒ Nee

2 Plaats van het bouwwerk

Waar gaat u bouwen?

Terrein

3 Seizoensgebonden en tijdelijke bouwwerken

Gaat het om een seizoensgebonden bouwwerk?

- ☐ Ja
☒ Nee

Gaat het om een tijdelijk bouwwerk?

- ☒ Ja
☐ Nee

Hoeveel hele jaren blijft het bouwwerk op de locatie bestaan?

1

Hoeveel maanden?

12

4 Gebruik

Waar gebruikt u het bouwwerk en/of terrein momenteel voor?

- ☐ Wonen
☒ Overige gebruiksfuncties

Geef aan waar u het bouwwerk en/of terrein momenteel voor gebruikt.

in gebruik bij eigenaar

Waar gaat u het bouwwerk voor gebruiken?

- ☐ Wonen
☒ Overige gebruiksfuncties

Geef aan waar u het bouwwerk voor gaat gebruiken.

als ondergrond voor tijdelijke mast tbv mobiele telecommunicatie

5 Gebruiksfuncties

In onderstaande tabel staan in de eerste kolom mogelijke gebruiksfuncties die in een bouwwerk kunnen voorkomen. Vul voor alle gebruiksfuncties die voor u van toepassing zijn het aantal personen, de totale gebruiksoppervlakte en de totale vloeroppervlakte van het verblijfsgebied in m2 in hele getallen in.

Gebruiksfunctie	Aantal personen	Gebruiksoppervlakte (m2)	Verblijfsoppervlakte (m2)
Bijeenkomst			
Cel			
Gezondheidszorg			
Industrie			
Kantoor			
Logies			
Onderwijs			
Sport			
Winkel			
Overige gebruiksfuncties			

6 Uiterlijk bouwwerk/welstand

7 Mondeling toelichten

Ik wil mijn bouwplan mondeling toelichten voor de welstandscommissie/stadsbouwmeester.

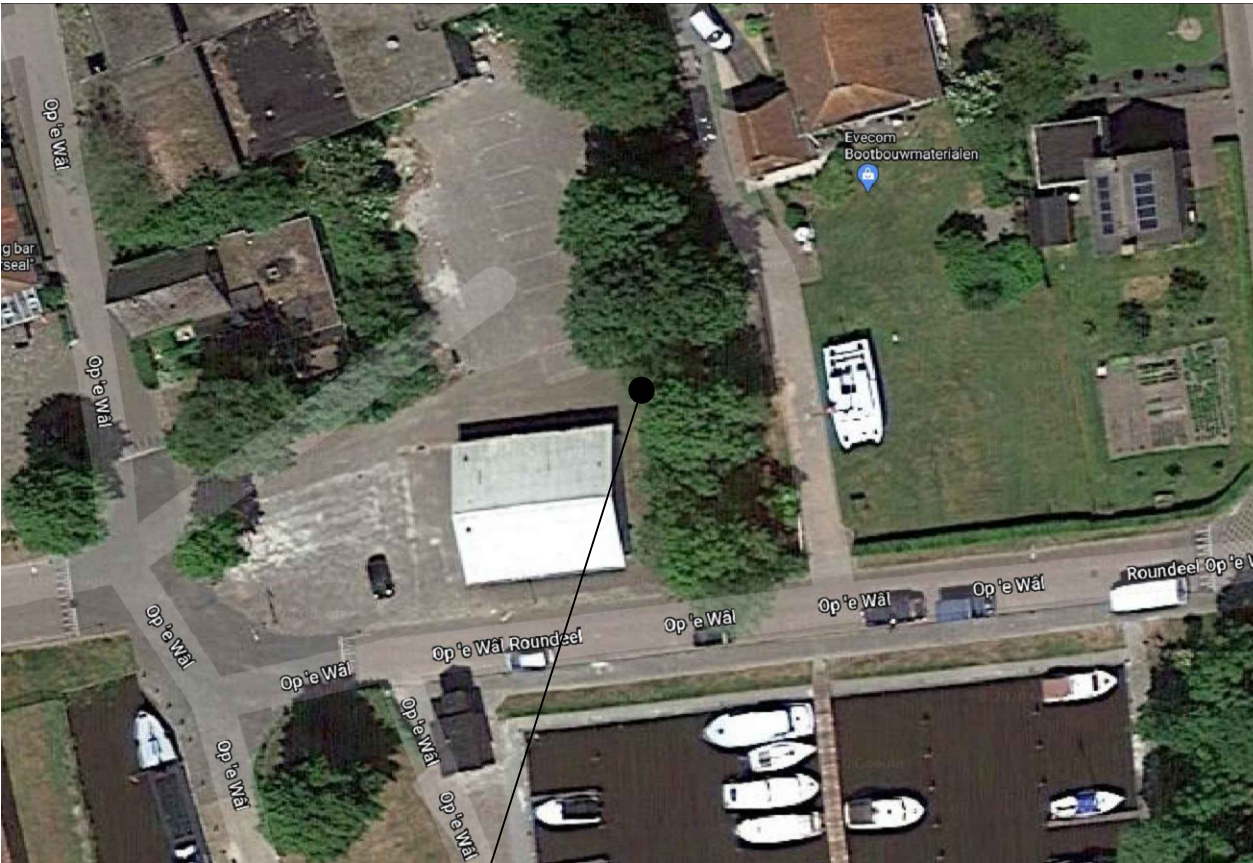
- ☐ Ja
☒ Nee

Formulierversie
2020.01

Bijlagen

Formele bijlagen

Naam bijlage	Bestandsnaam	Type	Datum ingediend	Status document
OudegaEPprevT_.pdf	OudegaEPprevT.pdf	Anders	2020-09-11	In behandeling
Oudegaconstructieberekt_.pdf	Oudegaconstructieberekt.pdf	Constructieve veiligheid complexere bouwwerken	2020-09-11	In behandeling



TMO loc.38623

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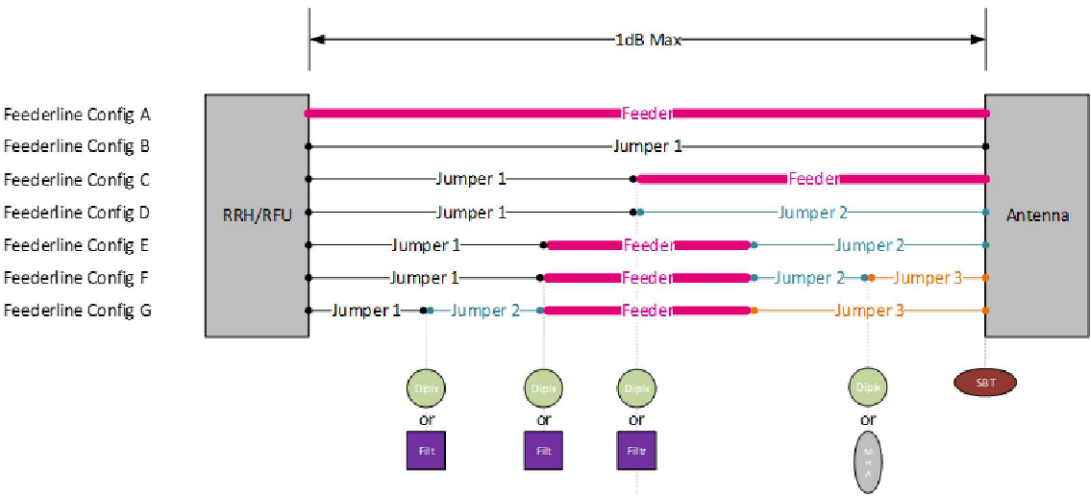
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E: 6.000029

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	Existing equipment	Black (7)
	New equipment	Red (240)
	Existing earthing	Black (170)
	New earthing	Green (90)
	Existing H&S	Black (210)
	New H&S	Orange (30)
	Existing construction	Black (2)
	New construction	Blue (150)

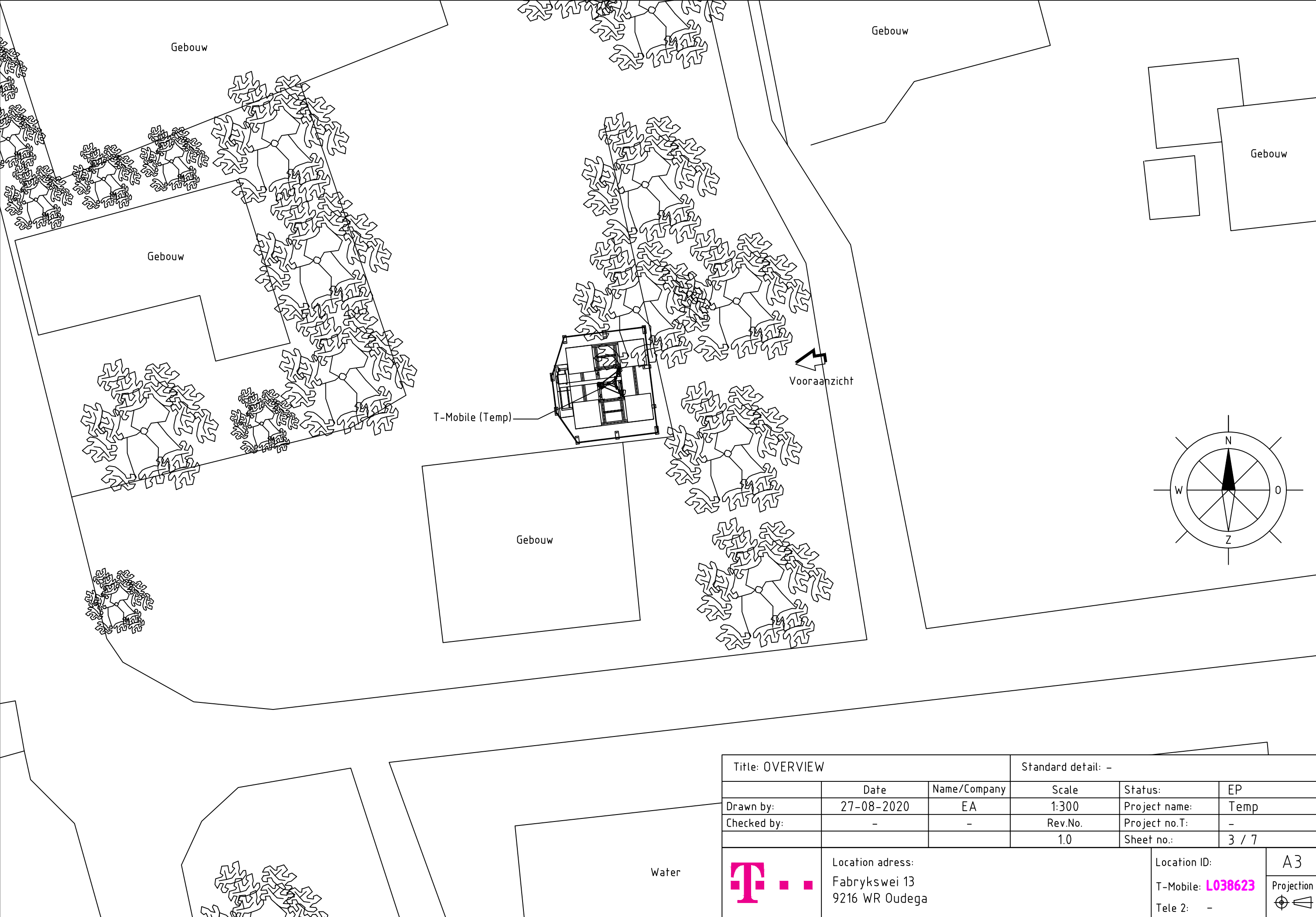
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1	FRONTPAGE
2	RF PLAN
3	OVERVIEW
4	FRONT VIEW
5	TOP VIEW
6	ANTENNE BRACKET
7	PASSIVE ANTENNE SPACER TUBE TYPE F

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Checked by:		-	Rev.No.	Project no.T:	-	
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		Location address:			Location ID:	
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		9216 WR Oudega			Tele 2: -	
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					Projection	

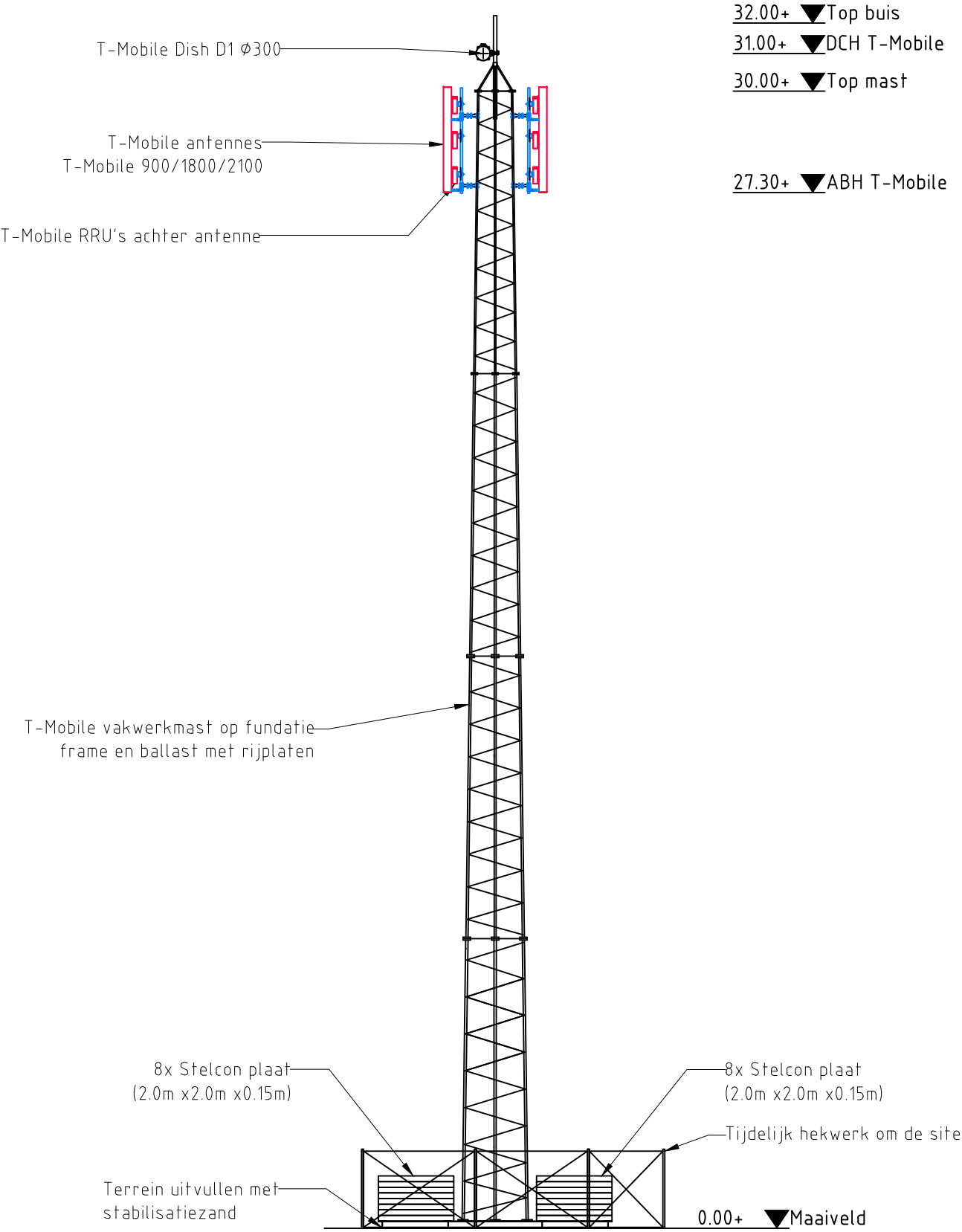
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	n/a	800 (Tele 2)			n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a		0							
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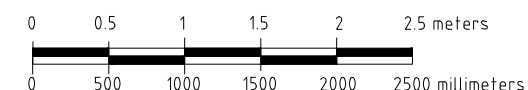
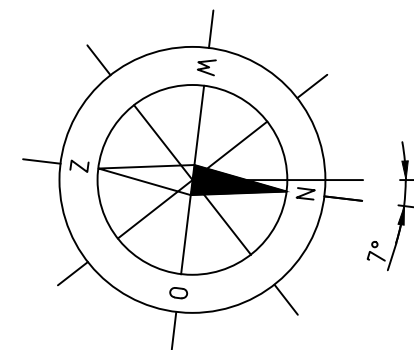
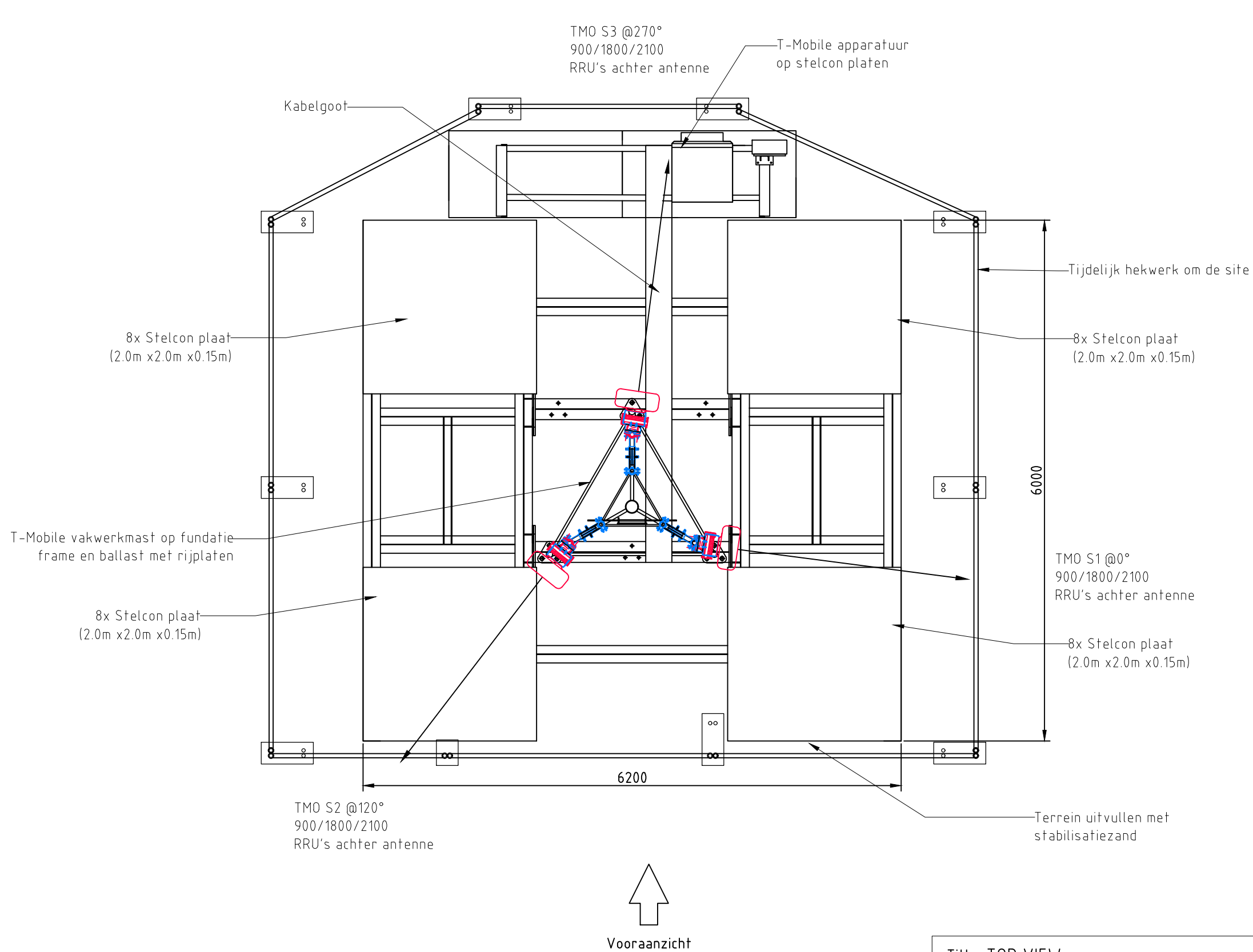
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			Fabrykswei 13 9216 WR Oudega		T-Mobile: L038623 Tele 2: -
			Projection		A3



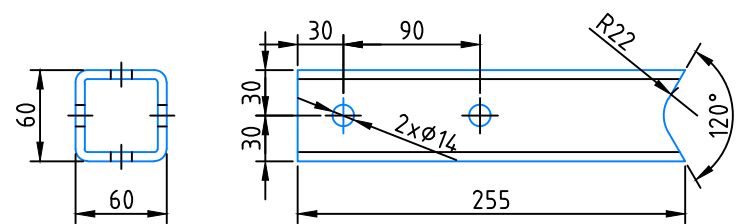
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	Fabrykswei 13			T-Mobile: L038623	Projection
	9216 WR Oudega			Tele 2: -	



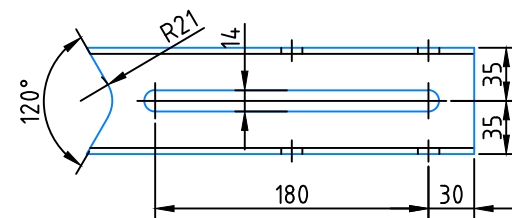
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	Fabrykswei 13			T-Mobile: L038623		Projection 
	9216 WR Oudega			Tele 2: -		



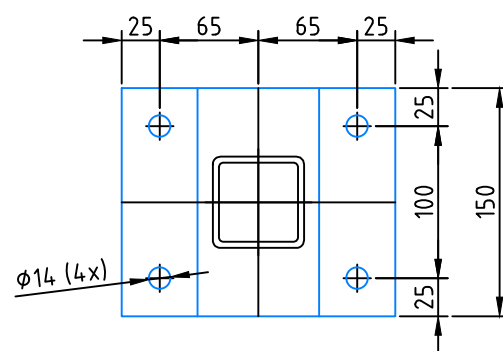
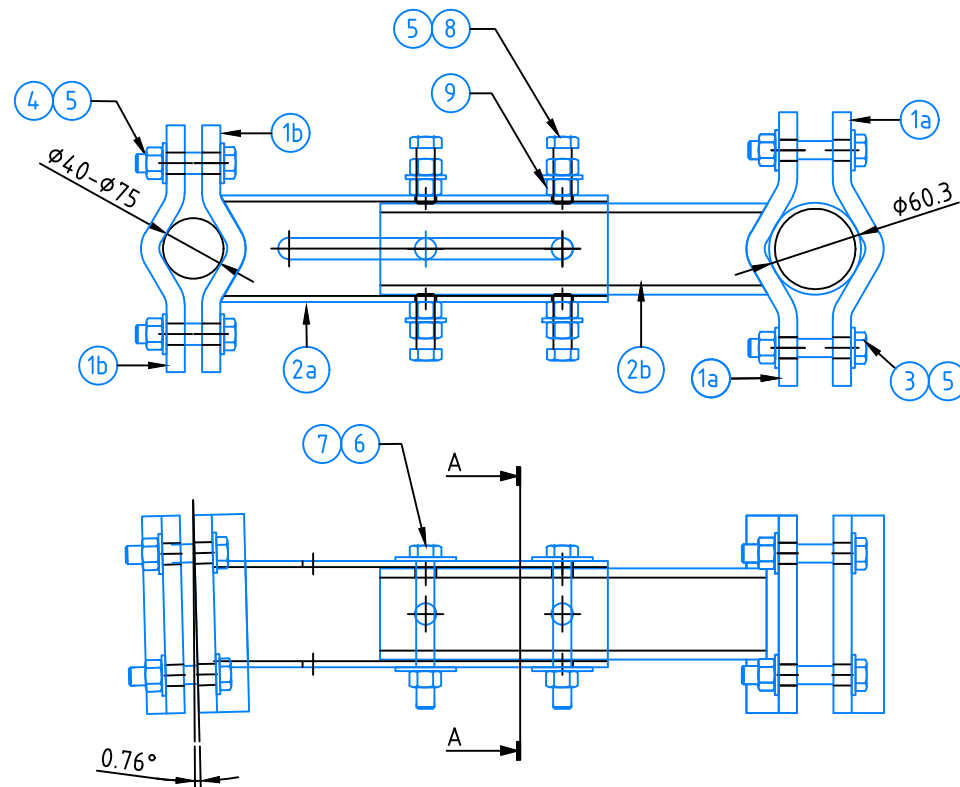
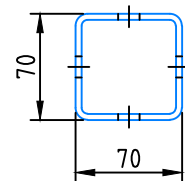
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			9216 WR Oudega		Tele 2: -
					A3
					Projection



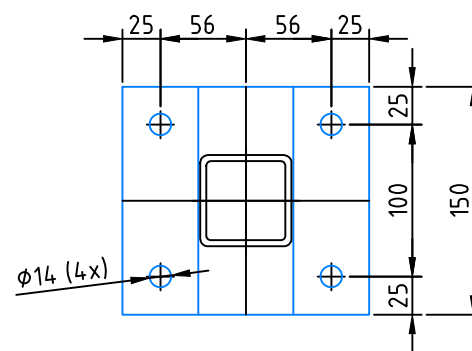
Part 2b



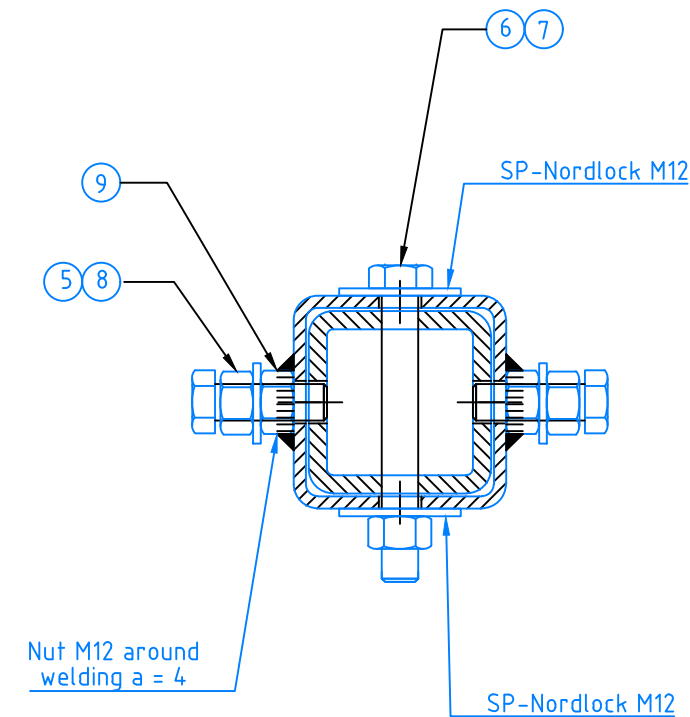
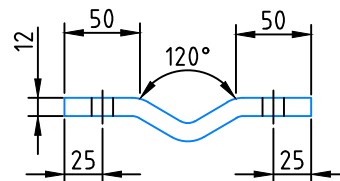
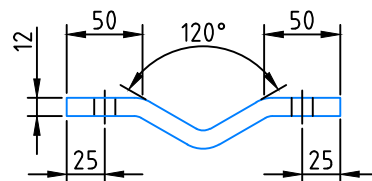
Part 2a



Part 1a



Part 1b



SECTION A-A
SCALE 1:2.5

Table 1

Tube ϕ	Bolt size x length
48.3 mm	M12x60
60.3 mm	M12x70
88.9 mm	M12x100

Table 2

Tower leg ϕ	Bolt size x length
40 mm	M12x60
50 mm	M12x70
55 mm	M12x80
60 mm	M12x80
65 mm	M12x90
75 mm	M12x100

- Construction: 6x
- All steel parts hot dip galvanizing
- Constructive welds min. 4mm , unless stated otherwise
- New steel construction according to EXC2

Part	Quantity	Description	Length	Material	Technical description notes
01a	02	Plate 150x12	190mm	S235JRG2 THVZ	1x Weld to part 2b,
01b	02	Plate 150x12	170mm	S235JRG2 THVZ	1x Weld to part 2a,
2a	01	Squared tube 70x70x4	255mm	S235JRG2 THVZ	Weld to part 1 & 9
2b	01	Squared tube 60x60x6	255mm	S235JRG2 THVZ	Weld to part 1
03	04	SB Bolt M12	See table	8.8 THVZ	EN15048-1 (ISO4014/4032) ISO SB bolt + nut
04	04	SB Bolt M12	See table	8.8 THVZ	EN15048-1 (ISO4014/4032) ISO SB bolt + nut
05	20	Nordlock Ring M12	-	NL12DP	Nordlock Deltaprotect
06	04	Nordlock Ring M12	-	NL12SP	Nordlock Deltaprotect (Use 4x NL12SP by slotted holes)
07	02	SB Bolt M12	100mm	8.8 THVZ	EN15048-1 (ISO4014/4032) ISO SB bolt + nut
08	04	SB Bolt M12	40mm	8.8 THVZ	EN15048-1 (ISO4014/4032) ISO SB bolt + nut
09	04	Nut M12	-	8 THVZ	ISO 4032 weld to part 2a

Total gross weight of steel:	15.50kg
NEN-1090 certificate number:	xxxx.xxx.xxx

Title: ANTENNE BRACKET

Standard detail: -

Drawn by:	Date	Name/Company	Scale	Status:	EP
Checked by:	27-08-2020	EA	1:5	Project name:	Temp
	-	-	Rev.No.	Project no.T:	-
			1.0	Sheet no.:	6 / 7



Location adress:
Fabrykswei 13
9216 WR Oudega

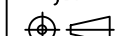
Location ID:

T-Mobile: **L038623**

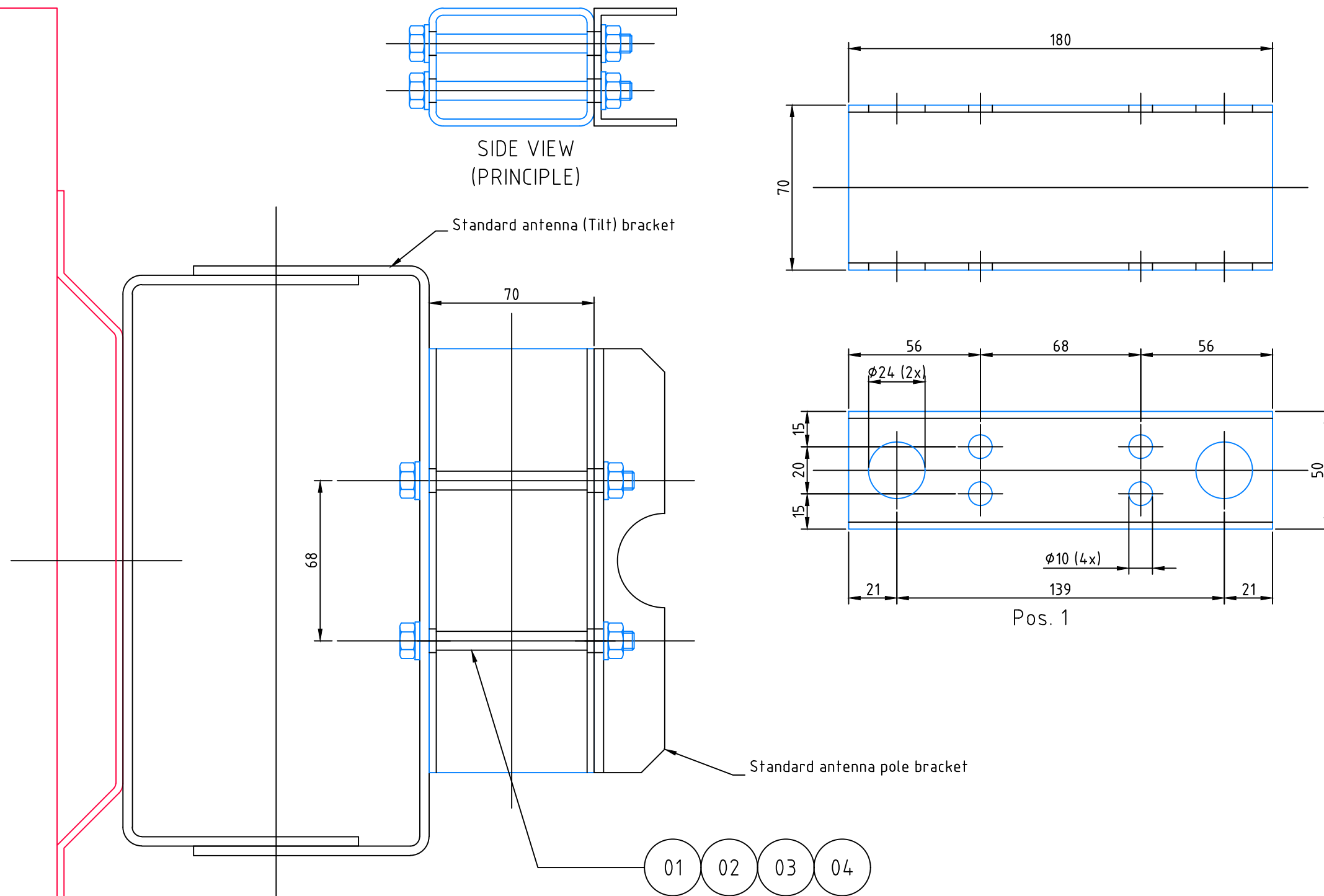
Tele 2: -

A3

Projection



Applicable antenna types:
ASI4518R36v06 / AHP4518R5v06 / APE4518R30v06
ASI4518R39v06 / APE4518R14v06
AHP4518R7v07



Remarks:
- Construction 3x
- All steel Hot dipped galvanized

Total gross weight of steel:	2,1 kg
NEN-1090 certificate number:	xxxx.xxx.xxx

4	16	Nordlock Washer M8	NL8DP	Deltaprotect	Nordlock
3	8	M8 nut	-	Grade 8	ISO 4032
2	8	Bolt M8	L=100mm	Grade 8.8	ISO 4014
1	2	Squared tube 70x50x3	L=180mm	S275J0H THVZ	
Pos	Quantity	Description	Dimensions	Material	Remarks

Title: PASSIVE ANTENNE SPACER TUBE TYPE F			Standard detail: -		
	Date	Name/Company	Scale	Status:	EP
Drawn by:	27-08-2020	EA	1:2	Project name:	Temp
Checked by:	-	-	Rev.No.	Project no.T:	-
			1.0	Sheet no.:	7 / 7
	Location adress:			Location ID:	A3
	Fabrykswei 13 9216 WR Oudega			T-Mobile: L038623 Tele 2: -	Projection



'ENGINEERING &
CONSULTANCY'



Structural Calculation
5G Ready
T-Mobile Site L038623
Fabrykswei 13,
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BTW
817488625B01

STRUCTURAL CALCULATION

Principal : T-Mobile Netherlands B.V.
Waldorpstraat 60
2521 CC Den Haag

Project : T-Mobile L038623
Projectno. : 20190022

Engineer : Ing. M. Jaksic

Par.:

Checked : Ing. R. Klumperink

Par.:

Authorised : W. Hendriksen M.Sc.

Par.:

Date : 14-08-2020
Status : Definitief
Revision : 1.0

A Document which is not Authorised can only be used as information.

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1 GENERAL

1.1 Regulations

- NEN EN 1990+A1+A1/C2:2011(nl)Eurocode 0: Grondslagen van het constructief ontwerp.
- NEN EN 1990+A1+A1/C2:2011/NB:2011(nl) Nationale bijlage bij Eurocode 0: Grondslagen van het constructief ontwerp.
- NEN EN 1991-1-1+C1:2011(nl)Eurocode 1: Dichtheden, eigen gewicht, opgelegde belastingen.
- NEN EN 1991-1-1+C1/NB:2011(nl)Nationale bijlage bij Eurocode 1: Dichthede, eigen gewicht, opgelegde belastingen
- NEN EN 1991-1-4+A1+C2:2011(nl)Eurocode 1: Windbelastingen.
- NEN EN 1991-1-4+A1+C2/NB:2011(nl)Nationale bijlage bij Eurocode 1: Windbelastingen.
- NEN EN 1992-1-1+C2:2011(nl)Eurocode 2: Algemene regels en regels voor gebouwen voor betonconstructies.
- NEN EN 1992-1-1+C2:2011/NB2011(nl)Nationale bijlage bij Eurocode 2: Algemene regels en regels voor gebouwen voor betonconstructies.
- NEN EN 1993-1-1+C2:2011(nl)Eurocode 3: Algemene regels en regels voor gebouwen voor staalconstructies.
- NEN EN 1993-1-1+C2/NB:2011(nl)Nationale bijlage bij Eurocode 3: Algemene regels en regels voor gebouwen voor staalconstructies.
- NEN EN 1993-1-8+C2:2011(nl)Eurocode 3: Aanvullende regels voor verbindingen.
- NEN EN 1993-1-8+C2/NB:2011(nl)Nationale bijlage bij Eurocode 3: Aanvullende regels voor verbindingen.
- NEN EN 1995-1-1+C1+A1:2011(nl)Eurocode 5: Algemene regels en regels voor gebouwen voor houtconstructies.
- NEN EN 1995-1-1+C1+A1/NB:2013(nl)Nationale bijlage bij Eurocode 5: Algemene regels en regels voor gebouwen voor houtconstructies.
- NEN EN 1996-1-1+C1:2011(nl)Eurocode 6: Algemene regels voor gewapend en ongewapend metselwerk.
- NEN EN 1996-1-1+C1/NB:2011(nl) Nationale bijlage bij Eurocode 6: Algemene regels voor gewapend en ongewapend metselwerk.
- NEN EN 1996-2+C1:2011(nl)Eurocode 6: Ontwerp en berekening van constructies van metselwerk-Deel 2: Ontwerp, materiaalkeuze en uitvoering van constructies van metselwerk.
- NEN EN 1996-2+C1/NB:2011(nl) Nationale bijlage bij Eurocode 6: Ontwerp en berekening van constructies van metselwerk-Deel 2: Ontwerp, materiaalkeuze en uitvoering van constructies van metselwerk.
- NEN EN 1993-3-1+C1:2009(nl)Eurocode 3: Ontwerp en berekening van staalconstructies-Deel 3-1: Torens, masten en schoorstenen – Torens en masten.
- NEN EN 1993-3-1+C1:2009/NB:2012 (nl)Nationale bijlage bij Eurocode 3: Ontwerp en berekening van staalconstructies- Deel 3-1: Torens, masten en schoorstenen – Torens en masten.

1.2 Materials

Material for Steel Constructions:

Mast S355 according NEN EN 1993-1-1

f_y	=	355	N/mm ²
f_u	=	5100	N/mm ²
E	=	210000	N/mm ²
Poissonfactor	ν	= 0.3	

Other steel S235 according NEN EN 1993-1-1

f_y	=	235	N/mm ²
f_u	=	360	N/mm ²
E	=	210000	N/mm ²
Poissonfactor	ν	= 0.3	

Bolts

Quality: 8.8 according NEN-EN 1993-1-8:

f_{yb}	=	640	N/mm ²
f_{ub}	=	800	N/mm ²

1.3 Load Factors

Consequence Class: CC2.

Reference Period ULS construction 50 year

Reference Period SLS antennes and dishes 1 year: $C_{red}=0,57$

Ultimate Limit State:	γ_G	=	1,1
	γ_Q	=	1,4
	ψ_0	=	0,0

Load Combinations:

6.10.a	$1,1 * G + 1,4 * \psi_0 * Q$
6.10.b	$1,1 * G + 1,4 * Q$

1.4 Antenna Calculation Configuration

Pole	Lattice tower 30,0 m 1500-700 mm
Antenna	3x ASI4518R36v06 (ABH 22,00 m)
Dishes	1x Dish Ø 300 DCH=31,50 m 1x optional Dish Ø 600 DCH=27,00 m
RRU	3x 6 RRU behind antennas
Pole Top Height	+30,0 m

The soil below the ballast frame is not a part of this calculation.

1.5 Equipment Calculation configuration

Part	Frame
Pos-Frame	3-position
Support	On concrete ballast at groundlevel
Equipment	1x TP48200A 2x TP48200A Optional 1x AC SPD

1.6 Maximum allowed rotation and reflexion

Antenna rotation	1°	= 17,45 mrad.
Dish rotation	0,7°	= 12,22 mrad.
Deflexion top pole	8%	

2 LOADS

2.1 Permanent Loads

For Loads Antenna, see appendix 1

Type	Number	H (mm)	B (mm)	D (mm)	G (kg)
TP48200A	1	1600	800	800	600
RRU 3929 (900 en 1800)	1	485	380	170	25
RRU 3829 (2100)	1	485	300	170	22
RRU 3276 LTE 2600	1	400	300	170	20
AC & SPD box	1	600	400	200	20
MW/AAU	1	400	400	200	20

2.2 Variable Loads

Max. Windload according NEN EN 1991-1-4:4.5

Gebied	II
Terreincategorie	II nbebouwd
Masthoogte	30,0 m
Stuwdruk q_p	1,202 kN/m ²

For windload antennas see appendix 1.

For windload pole see appendix 2.

For windload mast see appendix 3.

3 CALCULATION

Calculation	Appendix
Lattice tower	4
Ballast overturn	5

4 CONCLUSION

		OK – Not OK	Remarks
Rotation Antennas	$0,42^{\circ} < 1,00^{\circ}$ knp. 194	OK	
Rotation Dishes Ø300mm	$0,38^{\circ} < 0,70^{\circ}$ knp. 231	OK	
Rotation Dishes Ø600mm Option	$0,33^{\circ} < 0,70^{\circ}$ knp. 210	OK	
UC Lattice tower Leg	$0,91 < 1,0$ (S68)	OK	
UC Lattice tower Diagonal	$0,44 < 1,0$ (S246)	OK	
Equipment Frame	The frame on the concrete ballast meets the requirements.	OK	
Foundtion Lattice tower	The soil below the ballast frame is not a part of this calculation.		
Assumptions			

5 REFERENCES

5.1 Used Information

Drawing nr. L038623

6 APPENDIX

6.1 Bijlage 1 Belastingaannamen antennes T-Mobile

Belastingaannamen T-Mobile

Belastinggeval 1 (eigen gewicht antennes)

ASI4518R36v06	=	0.47 kN
per knoop	=	0.24 kN
RRU (worst case scenario)	=	0.25 kN
per knoop	=	0.13 kN
dish 300	=	0.17 kN
dish 600	=	0.21 kN

Belastinggeval 2 (wind)

H	=	24.769 m	gebied	II	onbebouwd
q _{ref}	=	1.14 kN/m ²			
windbelasting	ASI4518R36v06	bij windsnelheid 42 m/sec =			1.09 kN/m ²
frontaal	=	0.84 kN			
lateral	=	0.515 kN			
rear	=	1.105 kN			
windbelasting	RRU (worst case scenario)	bij windsnelheid 45 m/sec =			1.27 kN/m ²
frontaal	=	0.314 kN			
lateral	=	0.209 kN			
rear	=	0.297 kN			
windbelasting	dish 300	bij windsnelheid 42 m/sec =			1.09 kN/m ²
frontaal	=	0.25 kN			
windbelasting	dish 600	bij windsnelheid 42 m/sec =			1.09 kN/m ²
frontaal	=	0.35 kN			
windbelasting	ASI4518R36v06	bij windsnelheid			1.14 kN/m ²
frontaal	=	0.88 kN	per knoop	0.44 kN	
lateral	=	0.54 kN	per knoop	0.27 kN	0.35
rear	=	1.15 kN	per knoop	0.58 kN	0.58
windbelasting	RRU (worst case scenario)	bij windsnelheid			1.11 kN/m ²
frontaal	=	0.28 kN	per knoop	0.28 kN	
lateral	=	0.19 kN	per knoop	0.19 kN	0.84
rear	=	0.27 kN	per knoop	0.27 kN	
windbelasting	dish 300	bij windsnelheid			1.14 kN/m ²
frontaal	=	0.26 kN	per knoop	0.26 kN	0.23
windbelasting	dish 600	bij windsnelheid			1.14 kN/m ²
frontaal	=	0.37 kN	per knoop	0.37 kN	

6.2 Bijlage 2 Windbelasting pole

BEPALING VAN WINDBELASTING VOLGENS NEN-EN 1991-1-4:4.5

Gegevens van bouwwerk

I	Beschouwde hoogte i.v.m. stuwdruk $q_p(z)$	z	24.769 m
I	Ligging in windgebied (volgens NEN-EN 1991-1-4/NB):	Gebied	II
I	Terreincategorie		onbebouwd
R	Ruwheidslengte	z_0	0.200 m
R	Terreinfactor	k_r	0.209
R	Ruwheidsfactor	$c_r(z)$	2.497 -
R	Turbulentie-intensiteit	$I_v(z)$	0.208 -
R	Basiswindsnelheid	$v_{b,0}$	27.0 m/s
R	Extreme waarde van de stuwdruk (hoogte z)	$q_p(z)$	1.137 kN/m ²
I	Krachtcoëfficiënt Koker	c_f	1.5
I	Krachtcoëfficiënt L-profiel	c_f	1.8
I	Krachtcoëfficiënt Ø	c_f	1.2
I	Bouwwerkfactor	$c_s c_d$	1.05

I = invoer; R = rekenresultaat

Buisdiameter	b=	139.7 mm	$q_{rep}=q_p(z)*c_f*c_s*c_d*b=$	0.200 kN/m
		114.3 mm		0.164 kN/m
		88.9 mm		0.127 kN/m
		76.1 mm		0.109 kN/m
		60.3 mm		0.086 kN/m
		48.4 mm		0.069 kN/m
L 60x60x6		60		0.132 kN/m
L 70x70x7		70		0.154 kN/m
KW 100/10		100 mm		0.125 kN/m
KW 60/6		60 mm		0.075 kN/m

6.3 Bijlage 3 Belastingaannamen windbelastingen staven mast

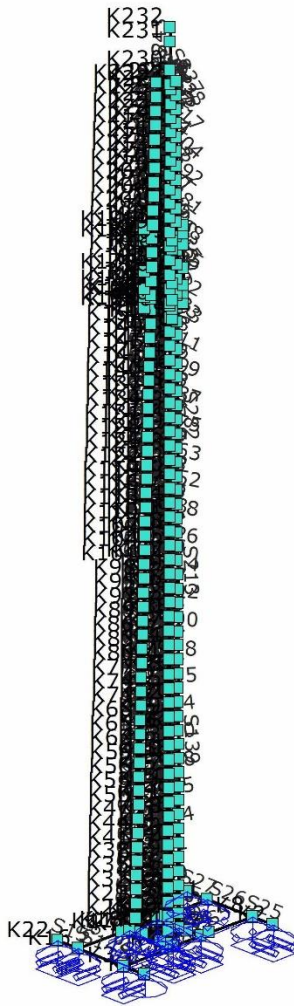
Windbelasting X-richting:

sectie	diameter	hoogte/m	l	qwh	aantal	Cf	Ar	wind/m	CsCd
sectie 0-7,5m									
staander voor	0.055	3.75	7.5	0.581	2	1.2	1	0.077	
diagonaal voor	0.030	3.75	1.5	0.581	17	1.2	1	0.071	
staander achter	0.055	3.75	7.5	0.581	1	1.2	0.67	0.026	
diagonaal zij	0.030	3.75	0.75	0.581	34	1.2	0.67	0.048	
feeders,ladder	0.300	3.75	7.5	0.581	1	1.2	0.67	0.140	
sectie 0-7,5m								0.361	1.1 0.397
							qw		
							per staander		0.199
sectie 7,5-15,0m									
staander voor	0.050	11.25	7.5	0.888	2	1.2	1	0.107	
diagonaal voor	0.024	11.25	1.3	0.888	17	1.2	1	0.075	
staander achter	0.050	11.25	7.5	0.888	1	1.2	0.67	0.036	
diagonaal zij	0.024	11.25	0.65	0.888	34	1.2	0.67	0.050	
feeders,ladder	0.300	11.25	7.5	0.888	1	1.2	0.67	0.214	
sectie 7,5-15,0m								0.482	1.1 0.531
							qw		
							per staander		0.265
sectie 15,0-22,50m									
staander voor	0.040	18.75	7.5	1.047	2	1.2	1	0.101	
diagonaal voor	0.020	18.75	1.1	1.047	19	1.2	1	0.070	
staander achter	0.040	18.75	7.5	1.047	1	1.2	0.67	0.034	
diagonaal zij	0.020	18.75	0.55	1.047	38	1.2	0.67	0.047	
feeders,ladder	0.300	18.75	7.5	1.047	1	1.2	0.67	0.253	
sectie 15,0-22,50m								0.504	1.1 0.554
							qw		
							per staander		0.277
sectie 22,50-30,0m									
staander voor	0.030	26.25	7.5	1.157	2	1.2	1	0.083	
diagonaal voor	0.018	26.25	0.95	1.157	19	1.2	1	0.060	
staander achter	0.030	26.25	7.5	1.157	1	1.2	0.67	0.028	
diagonaal zij	0.018	26.25	0.48	1.157	37	1.2	0.67	0.040	
feeders,ladder	0.000	26.25	7.5	1.157	1	1.2	0.67	0.000	
sectie 22,50-30,0m								0.211	1.1 0.232
							qw		
							per staander		0.116



6.4 Bijlage 4 Matrix Berekening Mast

AFB. GEOMETRIE 1: RAAMWERK



STAVEN

Staaf	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S1	K3	K4	-3.216	1.025	0.000	-1.216	1.025	0.000	2.000 P8	0.000 - L(2.000)
S2	K4	K5	-1.216	1.025	0.000	-0.866	1.025	0.000	0.350 P8	0.000 - L(0.350)
S3	K5	K6	-0.866	1.025	0.000	0.433	1.025	0.000	1.299 P8	0.000 - L(1.299)
S4	K6	K7	0.433	1.025	0.000	0.783	1.025	0.000	0.350 P8	0.000 - L(0.350)
S5	K7	K8	0.783	1.025	0.000	2.783	1.025	0.000	2.000 P8	0.000 - L(2.000)
S6	K10	K11	-0.866	0.398	0.000	0.433	0.398	0.000	1.299 P16	0.000 - L(1.299)
S7	K13	K14	-0.866	-0.398	0.000	0.433	-0.398	0.000	1.299 P16	0.000 - L(1.299)
S8	K16	K17	-3.216	-1.025	0.000	-1.216	-1.025	0.000	2.000 P8	0.000 - L(2.000)
S9	K17	K18	-1.216	-1.025	0.000	-0.866	-1.025	0.000	0.350 P8	0.000 - L(0.350)
S10	K18	K19	-0.866	-1.025	0.000	0.433	-1.025	0.000	1.299 P8	0.000 - L(1.299)
S11	K19	K20	0.433	-1.025	0.000	0.783	-1.025	0.000	0.350 P8	0.000 - L(0.350)
S12	K20	K21	0.783	-1.025	0.000	2.783	-1.025	0.000	2.000 P8	0.000 - L(2.000)
S13	K3	K1	-3.216	1.025	0.000	-3.216	2.000	0.000	0.975 P8	0.000 - L(0.975)
S14	K16	K3	-3.216	-1.025	0.000	-3.216	1.025	0.000	2.050 P8	0.000 - L(2.050)
S15	K22	K16	-3.216	-2.000	0.000	-3.216	-1.025	0.000	0.975 P8	0.000 - L(0.975)
S16	K9	K5	-0.866	0.750	0.000	-0.866	1.025	0.000	0.275 P8	0.000 - L(0.275)
S17	K10	K9	-0.866	0.398	0.000	-0.866	0.750	0.000	0.352 P8	0.000 - L(0.352)



S18	K13	K10	-0.866	-0.398	0.000	-0.866	0.398	0.000	0.796 P8	0.000 - L(0.796)
S19	K15	K13	-0.866	-0.750	0.000	-0.866	-0.398	0.000	0.352 P8	0.000 - L(0.352)
S20	K18	K15	-0.866	-1.025	0.000	-0.866	-0.750	0.000	0.275 P8	0.000 - L(0.275)
S21	K11	K6	0.433	0.398	0.000	0.433	1.025	0.000	0.627 P8	0.000 - L(0.627)
S22	K12	K11	0.433	0.000	0.000	0.433	0.398	0.000	0.398 P8	0.000 - L(0.398)
S23	K14	K12	0.433	-0.398	0.000	0.433	0.000	0.000	0.398 P8	0.000 - L(0.398)
S24	K19	K14	0.433	-1.025	0.000	0.433	-0.398	0.000	0.627 P8	0.000 - L(0.627)
S25	K8	K2	2.783	1.025	0.000	2.783	2.000	0.000	0.975 P8	0.000 - L(0.975)
S26	K21	K8	2.783	-1.025	0.000	2.783	1.025	0.000	2.050 P8	0.000 - L(2.050)
S27	K23	K21	2.783	-2.000	0.000	2.783	-1.025	0.000	0.975 P8	0.000 - L(0.975)
S28	K68	K66	-0.722	-0.650	-7.500	-0.722	0.650	-7.500	1.300 P4	0.000 - L(1.300)
S29	K113	K111	-0.577	-0.550	-15.000	-0.577	0.550	-15.000	1.100 P4	0.000 - L(1.100)
S30	K166	K167	0.347	0.000	-22.400	0.638	0.000	-22.400	0.291 P15	0.000 - L(0.291)
S31	K170	K168	-0.433	-0.450	-22.500	-0.433	0.450	-22.500	0.900 P5	0.000 - L(0.900)
S32	K190	K191	0.339	0.000	-24.500	0.638	0.000	-24.500	0.299 P15	0.000 - L(0.299)
S33	K227	K228	0.000	0.000	-30.000	0.318	0.000	-30.000	0.318 P6	0.000 - L(0.318)
S34	K229	K226	-0.288	-0.350	-30.000	-0.288	0.350	-30.000	0.700 P6	0.000 - L(0.700)
S35	K153	K159	-0.536	0.677	-22.000	-0.536	0.677	-22.031	0.031 P15	0.000 - L(0.031)
S36	K159	K162	-0.536	0.677	-22.031	-0.536	0.677	-22.400	0.369 P15	0.000 - L(0.369)
Staatf	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S37	K162	K171	-0.536	0.677	-22.400	-0.536	0.677	-22.700	0.300 P15	0.000 - L(0.300)
S38	K171	K177	-0.536	0.677	-22.700	-0.536	0.677	-23.300	0.600 P15	0.000 - L(0.600)
S39	K177	K188	-0.536	0.677	-23.300	-0.536	0.677	-24.500	1.200 P15	0.000 - L(1.200)
S40	K188	K193	-0.536	0.677	-24.500	-0.536	0.677	-24.800	0.300 P15	0.000 - L(0.300)
S41	K227	K230	0.000	0.000	-30.000	0.000	0.000	-30.500	0.500 P14	0.000 - L(0.500)
S42	K230	K231	0.000	0.000	-30.500	0.000	0.000	-31.500	1.000 P14	0.000 - L(1.000)
S43	K231	K232	0.000	0.000	-31.500	0.000	0.000	-32.000	0.500 P14	0.000 - L(0.500)
S44	K156	K161	0.638	0.000	-22.000	0.638	0.000	-22.031	0.031 P15	0.000 - L(0.031)
S45	K161	K167	0.638	0.000	-22.031	0.638	0.000	-22.400	0.369 P15	0.000 - L(0.369)
S46	K167	K173	0.638	0.000	-22.400	0.638	0.000	-22.700	0.300 P15	0.000 - L(0.300)
S47	K173	K179	0.638	0.000	-22.700	0.638	0.000	-23.300	0.600 P15	0.000 - L(0.600)
S48	K179	K186	0.638	0.000	-23.300	0.638	0.000	-24.100	0.800 P15	0.000 - L(0.800)
S49	K186	K191	0.638	0.000	-24.100	0.638	0.000	-24.500	0.400 P15	0.000 - L(0.400)
S50	K191	K194	0.638	0.000	-24.500	0.638	0.000	-24.800	0.300 P15	0.000 - L(0.300)
S51	K158	K160	-0.536	-0.677	-22.000	-0.536	-0.677	-22.031	0.031 P15	0.000 - L(0.031)
S52	K160	K165	-0.536	-0.677	-22.031	-0.536	-0.677	-22.400	0.369 P15	0.000 - L(0.369)
S53	K165	K172	-0.536	-0.677	-22.400	-0.536	-0.677	-22.700	0.300 P15	0.000 - L(0.300)
S54	K172	K178	-0.536	-0.677	-22.700	-0.536	-0.677	-23.300	0.600 P15	0.000 - L(0.600)
S55	K178	K187	-0.536	-0.677	-23.300	-0.536	-0.677	-24.400	1.100 P15	0.000 - L(1.100)
S56	K187	K195	-0.536	-0.677	-24.400	-0.536	-0.677	-24.800	0.400 P15	0.000 - L(0.400)
S57	K9	K25	-0.866	0.750	0.000	0.431	0.000	-0.500	1.580 P10	0.000 - L(1.580)
S58	K9	K24	-0.866	0.750	0.000	-0.856	0.743	-0.500	0.500 P9	0.000 - L(0.500)
S59	K9	K12	-0.866	0.750	0.000	0.433	0.000	0.000	1.500 P7	0.000 - L(1.500)
S60	K26	K12	-0.856	-0.743	-0.500	0.433	0.000	0.000	1.570 P10	0.000 - L(1.570)
S61	K12	K25	0.433	0.000	0.000	0.431	0.000	-0.500	0.500 P9	0.000 - L(0.500)
S62	K15	K12	-0.866	-0.750	0.000	0.433	0.000	0.000	1.500 P7	0.000 - L(1.500)
S63	K15	K24	-0.866	-0.750	0.000	-0.856	0.743	-0.500	1.575 P10	0.000 - L(1.575)
S64	K15	K26	-0.866	-0.750	0.000	-0.856	-0.743	-0.500	0.500 P9	0.000 - L(0.500)
S65	K29	K24	-0.847	-0.737	-1.000	-0.856	0.743	-0.500	1.562 P10	0.000 - L(1.562)
S66	K24	K27	-0.856	0.743	-0.500	-0.847	0.737	-1.000	0.500 P9	0.000 - L(0.500)
S67	K27	K25	-0.847	0.737	-1.000	0.431	0.000	-0.500	1.557 P10	0.000 - L(1.557)
S68	K25	K28	0.431	0.000	-0.500	0.429	0.000	-1.000	0.500 P9	0.000 - L(0.500)
S69	K26	K28	-0.856	-0.743	-0.500	0.429	0.000	-1.000	1.567 P10	0.000 - L(1.567)
S70	K26	K29	-0.856	-0.743	-0.500	-0.847	-0.737	-1.000	0.500 P9	0.000 - L(0.500)
S71	K27	K31	-0.847	0.737	-1.000	0.427	0.000	-1.500	1.554 P10	0.000 - L(1.554)
S72	K27	K30	-0.847	0.737	-1.000	-0.837	0.730	-1.500	0.500 P9	0.000 - L(0.500)
S73	K28	K31	0.429	0.000	-1.000	0.427	0.000	-1.500	0.500 P9	0.000 - L(0.500)
S74	K32	K28	-0.837	-0.730	-1.500	0.429	0.000	-1.000	1.545 P10	0.000 - L(1.545)
S75	K29	K30	-0.847	-0.737	-1.000	-0.837	0.730	-1.500	1.550 P10	0.000 - L(1.550)
S76	K29	K32	-0.847	-0.737	-1.000	-0.837	-0.730	-1.500	0.500 P9	0.000 - L(0.500)
S77	K30	K33	-0.837	0.730	-1.500	-0.827	0.723	-2.000	0.500 P9	0.000 - L(0.500)
S78	K35	K30	-0.827	-0.723	-2.000	-0.837	0.730	-1.500	1.537 P10	0.000 - L(1.537)
S79	K31	K34	0.427	0.000	-1.500	0.425	0.000	-2.000	0.500 P9	0.000 - L(0.500)
S80	K33	K31	-0.827	0.723	-2.000	0.427	0.000	-1.500	1.532 P10	0.000 - L(1.532)
S81	K32	K35	-0.837	-0.730	-1.500	-0.827	-0.723	-2.000	0.500 P9	0.000 - L(0.500)
S82	K32	K34	-0.837	-0.730	-1.500	0.425	0.000	-2.000	1.542 P10	0.000 - L(1.542)
S83	K33	K36	-0.827	0.723	-2.000	-0.818	0.717	-2.500	0.500 P9	0.000 - L(0.500)
S84	K33	K37	-0.827	0.723	-2.000	0.423	0.000	-2.500	1.529 P10	0.000 - L(1.529)
S85	K34	K37	0.425	0.000	-2.000	0.423	0.000	-2.500	0.500 P9	0.000 - L(0.500)
S86	K38	K34	-0.818	-0.717	-2.500	0.425	0.000	-2.000	1.520 P10	0.000 - L(1.520)
S87	K35	K38	-0.827	-0.723	-2.000	-0.818	-0.717	-2.500	0.500 P9	0.000 - L(0.500)



S88	K35	K36	-0.827	-0.723	-2.000	-0.818	0.717	-2.500	1.524 P10 0.000 - L(1.524)
S89	K36	K39	-0.818	0.717	-2.500	-0.808	0.710	-3.000	0.500 P9 0.000 - L(0.500)
S90	K41	K36	-0.808	-0.710	-3.000	-0.818	0.717	-2.500	1.512 P10 0.000 - L(1.512)
S91	K39	K37	-0.808	0.710	-3.000	0.423	0.000	-2.500	1.507 P10 0.000 - L(1.507)
S92	K37	K40	0.423	0.000	-2.500	0.421	0.000	-3.000	0.500 P9 0.000 - L(0.500)
S93	K38	K40	-0.818	-0.717	-2.500	0.421	0.000	-3.000	1.516 P10 0.000 - L(1.516)
S94	K38	K41	-0.818	-0.717	-2.500	-0.808	-0.710	-3.000	0.500 P9 0.000 - L(0.500)
S95	K39	K42	-0.808	0.710	-3.000	-0.799	0.703	-3.500	0.500 P9 0.000 - L(0.500)
S96	K39	K43	-0.808	0.710	-3.000	0.420	0.000	-3.500	1.504 P10 0.000 - L(1.504)
S97	K40	K43	0.421	0.000	-3.000	0.420	0.000	-3.500	0.500 P9 0.000 - L(0.500)
S98	K44	K40	-0.799	-0.703	-3.500	0.421	0.000	-3.000	1.494 P10 0.000 - L(1.494)
S99	K41	K42	-0.808	-0.710	-3.000	-0.799	0.703	-3.500	1.499 P10 0.000 - L(1.499)
S100	K41	K44	-0.808	-0.710	-3.000	-0.799	-0.703	-3.500	0.500 P9 0.000 - L(0.500)
S101	K47	K42	-0.789	-0.697	-4.000	-0.799	0.703	-3.500	1.487 P10 0.000 - L(1.487)
S102	K42	K45	-0.799	0.703	-3.500	-0.789	0.697	-4.000	0.500 P9 0.000 - L(0.500)
S103	K43	K46	0.420	0.000	-3.500	0.418	0.000	-4.000	0.500 P9 0.000 - L(0.500)
S104	K45	K43	-0.789	0.697	-4.000	0.420	0.000	-3.500	1.482 P10 0.000 - L(1.482)
S105	K44	K46	-0.799	-0.703	-3.500	0.418	0.000	-4.000	1.491 P10 0.000 - L(1.491)
S106	K44	K47	-0.799	-0.703	-3.500	-0.789	-0.697	-4.000	0.500 P9 0.000 - L(0.500)
S107	K45	K49	-0.789	0.697	-4.000	0.416	0.000	-4.500	1.479 P10 0.000 - L(1.479)
S108	K45	K48	-0.789	0.697	-4.000	-0.779	0.690	-4.500	0.500 P9 0.000 - L(0.500)
S109	K50	K46	-0.779	-0.690	-4.500	0.418	0.000	-4.000	1.469 P10 0.000 - L(1.469)
S110	K46	K49	0.418	0.000	-4.000	0.416	0.000	-4.500	0.500 P9 0.000 - L(0.500)
S111	K47	K48	-0.789	-0.697	-4.000	-0.779	0.690	-4.500	1.474 P10 0.000 - L(1.474)

Staatf	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S112	K47	K50	-0.789	-0.697	-4.000	-0.779	-0.690	-4.500	0.500 P9 0.000 - L(0.500)	
S113	K48	K51	-0.779	0.690	-4.500	-0.770	0.683	-5.000	0.500 P9 0.000 - L(0.500)	
S114	K53	K48	-0.770	-0.683	-5.000	-0.779	0.690	-4.500	1.462 P10 0.000 - L(1.462)	
S115	K51	K49	-0.770	0.683	-5.000	0.416	0.000	-4.500	1.457 P10 0.000 - L(1.457)	
S116	K49	K52	0.416	0.000	-4.500	0.414	0.000	-5.000	0.500 P9 0.000 - L(0.500)	
S117	K50	K52	-0.779	-0.690	-4.500	0.414	0.000	-5.000	1.466 P10 0.000 - L(1.466)	
S118	K50	K53	-0.779	-0.690	-4.500	-0.770	-0.683	-5.000	0.500 P9 0.000 - L(0.500)	
S119	K51	K54	-0.770	0.683	-5.000	-0.760	0.677	-5.500	0.500 P9 0.000 - L(0.500)	
S120	K51	K55	-0.770	0.683	-5.000	0.412	0.000	-5.500	1.454 P10 0.000 - L(1.454)	
S121	K52	K55	0.414	0.000	-5.000	0.412	0.000	-5.500	0.500 P9 0.000 - L(0.500)	
S122	K56	K52	-0.760	-0.677	-5.500	0.414	0.000	-5.000	1.444 P10 0.000 - L(1.444)	
S123	K53	K54	-0.770	-0.683	-5.000	-0.760	0.677	-5.500	1.449 P10 0.000 - L(1.449)	
S124	K53	K56	-0.770	-0.683	-5.000	-0.760	-0.677	-5.500	0.500 P9 0.000 - L(0.500)	
S125	K54	K57	-0.760	0.677	-5.500	-0.750	0.670	-6.000	0.500 P9 0.000 - L(0.500)	
S126	K59	K54	-0.750	-0.670	-6.000	-0.760	0.677	-5.500	1.437 P10 0.000 - L(1.437)	
S127	K55	K58	0.412	0.000	-5.500	0.410	0.000	-6.000	0.500 P9 0.000 - L(0.500)	
S128	K57	K55	-0.750	0.670	-6.000	0.412	0.000	-5.500	1.432 P10 0.000 - L(1.432)	
S129	K56	K59	-0.760	-0.677	-5.500	-0.750	-0.670	-6.000	0.500 P9 0.000 - L(0.500)	
S130	K56	K58	-0.760	-0.677	-5.500	0.410	0.000	-6.000	1.441 P10 0.000 - L(1.441)	
S131	K57	K60	-0.750	0.670	-6.000	-0.741	0.663	-6.500	0.500 P9 0.000 - L(0.500)	
S132	K57	K61	-0.750	0.670	-6.000	0.408	0.000	-6.500	1.429 P10 0.000 - L(1.429)	
S133	K58	K61	0.410	0.000	-6.000	0.408	0.000	-6.500	0.500 P9 0.000 - L(0.500)	
S134	K62	K58	-0.741	-0.663	-6.500	0.410	0.000	-6.000	1.419 P10 0.000 - L(1.419)	
S135	K59	K60	-0.750	-0.670	-6.000	-0.741	0.663	-6.500	1.424 P10 0.000 - L(1.424)	
S136	K59	K62	-0.750	-0.670	-6.000	-0.741	-0.663	-6.500	0.500 P9 0.000 - L(0.500)	
S137	K60	K63	-0.741	0.663	-6.500	-0.731	0.657	-7.000	0.500 P9 0.000 - L(0.500)	
S138	K65	K60	-0.731	-0.657	-7.000	-0.741	0.663	-6.500	1.412 P10 0.000 - L(1.412)	
S139	K61	K64	0.408	0.000	-6.500	0.406	0.000	-7.000	0.500 P9 0.000 - L(0.500)	
S140	K63	K61	-0.731	0.657	-7.000	0.408	0.000	-6.500	1.407 P10 0.000 - L(1.407)	
S141	K62	K65	-0.741	-0.663	-6.500	-0.731	-0.657	-7.000	0.500 P9 0.000 - L(0.500)	
S142	K62	K64	-0.741	-0.663	-6.500	0.406	0.000	-7.000	1.416 P10 0.000 - L(1.416)	
S143	K63	K67	-0.731	0.657	-7.000	0.404	0.000	-7.500	1.404 P10 0.000 - L(1.404)	
S144	K63	K66	-0.731	0.657	-7.000	-0.722	0.650	-7.500	0.500 P9 0.000 - L(0.500)	
S145	K68	K64	-0.722	-0.650	-7.500	0.406	0.000	-7.000	1.394 P10 0.000 - L(1.394)	
S146	K64	K67	0.406	0.000	-7.000	0.404	0.000	-7.500	0.500 P9 0.000 - L(0.500)	
S147	K65	K68	-0.731	-0.657	-7.000	-0.722	-0.650	-7.500	0.500 P9 0.000 - L(0.500)	
S148	K65	K66	-0.731	-0.657	-7.000	-0.722	0.650	-7.500	1.399 P10 0.000 - L(1.399)	
S149	K66	K67	-0.722	0.650	-7.500	0.404	0.000	-7.500	1.300 P4 0.000 - L(1.300)	
S150	K71	K66	-0.712	-0.643	-8.000	-0.722	0.650	-7.500	1.387 P11 0.000 - L(1.387)	
S151	K66	K69	-0.722	0.650	-7.500	-0.712	0.643	-8.000	0.500 P1 0.000 - L(0.500)	
S152	K68	K67	-0.722	-0.650	-7.500	0.404	0.000	-7.500	1.300 P4 0.000 - L(1.300)	
S153	K67	K70	0.404	0.000	-7.500	0.402	0.000	-8.000	0.500 P1 0.000 - L(0.500)	
S154	K69	K67	-0.712	0.643	-8.000	0.404	0.000	-7.500	1.382 P11 0.000 - L(1.382)	
S155	K68	K71	-0.722	-0.650	-7.500	-0.712	-0.643	-8.000	0.500 P1 0.000 - L(0.500)	
S156	K68	K70	-0.722	-0.650	-7.500	0.402	0.000	-8.000	1.391 P11 0.000 - L(1.391)	



S157	K69	K73	-0.712	0.643	-8.000	0.400	0.000	-8.500	1.379 P11 0.000 - L(1.379)
S158	K69	K72	-0.712	0.643	-8.000	-0.702	0.637	-8.500	0.500 P1 0.000 - L(0.500)
S159	K70	K73	0.402	0.000	-8.000	0.400	0.000	-8.500	0.500 P1 0.000 - L(0.500)
S160	K74	K70	-0.702	-0.637	-8.500	0.402	0.000	-8.000	1.370 P11 0.000 - L(1.370)
S161	K71	K74	-0.712	-0.643	-8.000	-0.702	-0.637	-8.500	0.500 P1 0.000 - L(0.500)
S162	K71	K72	-0.712	-0.643	-8.000	-0.702	0.637	-8.500	1.374 P11 0.000 - L(1.374)
S163	K72	K75	-0.702	0.637	-8.500	-0.693	0.630	-9.000	0.500 P1 0.000 - L(0.500)
S164	K77	K72	-0.693	-0.630	-9.000	-0.702	0.637	-8.500	1.362 P11 0.000 - L(1.362)
S165	K75	K73	-0.693	0.630	-9.000	0.400	0.000	-8.500	1.357 P11 0.000 - L(1.357)
S166	K73	K76	0.400	0.000	-8.500	0.398	0.000	-9.000	0.500 P1 0.000 - L(0.500)
S167	K74	K77	-0.702	-0.637	-8.500	-0.693	-0.630	-9.000	0.500 P1 0.000 - L(0.500)
S168	K74	K76	-0.702	-0.637	-8.500	0.398	0.000	-9.000	1.366 P11 0.000 - L(1.366)
S169	K75	K79	-0.693	0.630	-9.000	0.397	0.000	-9.500	1.354 P11 0.000 - L(1.354)
S170	K75	K78	-0.693	0.630	-9.000	-0.683	0.623	-9.500	0.500 P1 0.000 - L(0.500)
S171	K76	K79	0.398	0.000	-9.000	0.397	0.000	-9.500	0.500 P1 0.000 - L(0.500)
S172	K80	K76	-0.683	-0.623	-9.500	0.398	0.000	-9.000	1.345 P11 0.000 - L(1.345)
S173	K77	K80	-0.693	-0.630	-9.000	-0.683	-0.623	-9.500	0.500 P1 0.000 - L(0.500)
S174	K77	K78	-0.693	-0.630	-9.000	-0.683	0.623	-9.500	1.349 P11 0.000 - L(1.349)
S175	K83	K78	-0.673	-0.617	-10.000	-0.683	0.623	-9.500	1.337 P11 0.000 - L(1.337)
S176	K78	K81	-0.683	0.623	-9.500	-0.673	0.617	-10.000	0.500 P1 0.000 - L(0.500)
S177	K79	K82	0.397	0.000	-9.500	0.395	0.000	-10.000	0.500 P1 0.000 - L(0.500)
S178	K81	K79	-0.673	0.617	-10.000	0.397	0.000	-9.500	1.332 P11 0.000 - L(1.332)
S179	K80	K82	-0.683	-0.623	-9.500	0.395	0.000	-10.000	1.342 P11 0.000 - L(1.342)
S180	K80	K83	-0.683	-0.623	-9.500	-0.673	-0.617	-10.000	0.500 P1 0.000 - L(0.500)
S181	K81	K85	-0.673	0.617	-10.000	0.393	0.000	-10.500	1.329 P11 0.000 - L(1.329)
S182	K81	K84	-0.673	0.617	-10.000	-0.664	0.610	-10.500	0.500 P1 0.000 - L(0.500)
S183	K82	K85	0.395	0.000	-10.000	0.393	0.000	-10.500	0.500 P1 0.000 - L(0.500)
S184	K86	K82	-0.664	-0.610	-10.500	0.395	0.000	-10.000	1.320 P11 0.000 - L(1.320)
S185	K83	K84	-0.673	-0.617	-10.000	-0.664	0.610	-10.500	1.325 P11 0.000 - L(1.325)
S186	K83	K86	-0.673	-0.617	-10.000	-0.664	-0.610	-10.500	0.500 P1 0.000 - L(0.500)

Staaft	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S187	K89	K84	-0.654	-0.603	-11.000	-0.664	0.610	-10.500	1.312 P11 0.000 - L(1.312)	
S188	K84	K87	-0.664	0.610	-10.500	-0.654	0.603	-11.000	0.500 P1 0.000 - L(0.500)	
S189	K85	K88	0.393	0.000	-10.500	0.391	0.000	-11.000	0.500 P1 0.000 - L(0.500)	
S190	K87	K85	-0.654	0.603	-11.000	0.393	0.000	-10.500	1.308 P11 0.000 - L(1.308)	
S191	K86	K88	-0.664	-0.610	-10.500	0.391	0.000	-11.000	1.317 P11 0.000 - L(1.317)	
S192	K86	K89	-0.664	-0.610	-10.500	-0.654	-0.603	-11.000	0.500 P1 0.000 - L(0.500)	
S193	K87	K91	-0.654	0.603	-11.000	0.389	0.000	-11.500	1.305 P11 0.000 - L(1.305)	
S194	K87	K90	-0.654	0.603	-11.000	-0.645	0.597	-11.500	0.500 P1 0.000 - L(0.500)	
S195	K88	K91	0.391	0.000	-11.000	0.389	0.000	-11.500	0.500 P1 0.000 - L(0.500)	
S196	K92	K88	-0.645	-0.597	-11.500	0.391	0.000	-11.000	1.295 P11 0.000 - L(1.295)	
S197	K89	K90	-0.654	-0.603	-11.000	-0.645	0.597	-11.500	1.300 P11 0.000 - L(1.300)	
S198	K89	K92	-0.654	-0.603	-11.000	-0.645	-0.597	-11.500	0.500 P1 0.000 - L(0.500)	
S199	K90	K93	-0.645	0.597	-11.500	-0.635	0.590	-12.000	0.500 P1 0.000 - L(0.500)	
S200	K95	K90	-0.635	-0.590	-12.000	-0.645	0.597	-11.500	1.288 P11 0.000 - L(1.288)	
S201	K91	K94	0.389	0.000	-11.500	0.387	0.000	-12.000	0.500 P1 0.000 - L(0.500)	
S202	K93	K91	-0.635	0.590	-12.000	0.389	0.000	-11.500	1.283 P11 0.000 - L(1.283)	
S203	K92	K95	-0.645	-0.597	-11.500	-0.635	-0.590	-12.000	0.500 P1 0.000 - L(0.500)	
S204	K92	K94	-0.645	-0.597	-11.500	0.387	0.000	-12.000	1.292 P11 0.000 - L(1.292)	
S205	K93	K97	-0.635	0.590	-12.000	0.385	0.000	-12.500	1.280 P11 0.000 - L(1.280)	
S206	K93	K96	-0.635	0.590	-12.000	-0.625	0.583	-12.500	0.500 P1 0.000 - L(0.500)	
S207	K98	K94	-0.625	-0.583	-12.500	0.387	0.000	-12.000	1.271 P11 0.000 - L(1.271)	
S208	K94	K97	0.387	0.000	-12.000	0.385	0.000	-12.500	0.500 P1 0.000 - L(0.500)	
S209	K95	K96	-0.635	-0.590	-12.000	-0.625	0.583	-12.500	1.275 P11 0.000 - L(1.275)	
S210	K95	K98	-0.635	-0.590	-12.000	-0.625	-0.583	-12.500	0.500 P1 0.000 - L(0.500)	
S211	K96	K99	-0.625	0.583	-12.500	-0.616	0.577	-13.000	0.500 P1 0.000 - L(0.500)	
S212	K101	K96	-0.616	-0.577	-13.000	-0.625	0.583	-12.500	1.263 P11 0.000 - L(1.263)	
S213	K97	K100	0.385	0.000	-12.500	0.383	0.000	-13.000	0.500 P1 0.000 - L(0.500)	
S214	K99	K97	-0.616	0.577	-13.000	0.385	0.000	-12.500	1.259 P11 0.000 - L(1.259)	
S215	K98	K100	-0.625	-0.583	-12.500	0.383	0.000	-13.000	1.268 P11 0.000 - L(1.268)	
S216	K98	K101	-0.625	-0.583	-12.500	-0.616	-0.577	-13.000	0.500 P1 0.000 - L(0.500)	
S217	K99	K102	-0.616	0.577	-13.000	-0.606	0.570	-13.500	0.500 P1 0.000 - L(0.500)	
S218	K99	K103	-0.616	0.577	-13.000	0.381	0.000	-13.500	1.256 P11 0.000 - L(1.256)	
S219	K100	K103	0.383	0.000	-13.000	0.381	0.000	-13.500	0.500 P1 0.000 - L(0.500)	
S220	K104	K100	-0.606	-0.570	-13.500	0.383	0.000	-13.000	1.246 P11 0.000 - L(1.246)	
S221	K101	K104	-0.616	-0.577	-13.000	-0.606	-0.570	-13.500	0.500 P1 0.000 - L(0.500)	
S222	K101	K102	-0.616	-0.577	-13.000	-0.606	0.570	-13.500	1.251 P11 0.000 - L(1.251)	
S223	K107	K102	-0.596	-0.563	-14.000	-0.606	0.570	-13.500	1.239 P11 0.000 - L(1.239)	
S224	K102	K105	-0.606	0.570	-13.500	-0.596	0.563	-14.000	0.500 P1 0.000 - L(0.500)	
S225	K103	K106	0.381	0.000	-13.500	0.379	0.000	-14.000	0.500 P1 0.000 - L(0.500)	



S226	K105	K103	-0.596	0.563	-14.000	0.381	0.000	-13.500	1.234 P11 0.000 - L(1.234)
S227	K104	K107	-0.606	-0.570	-13.500	-0.596	-0.563	-14.000	0.500 P1 0.000 - L(0.500)
S228	K104	K106	-0.606	-0.570	-13.500	0.379	0.000	-14.000	1.243 P11 0.000 - L(1.243)
S229	K105	K108	-0.596	0.563	-14.000	-0.587	0.557	-14.500	0.500 P1 0.000 - L(0.500)
S230	K105	K109	-0.596	0.563	-14.000	0.377	0.000	-14.500	1.231 P11 0.000 - L(1.231)
S231	K106	K109	0.379	0.000	-14.000	0.377	0.000	-14.500	0.500 P1 0.000 - L(0.500)
S232	K110	K106	-0.587	-0.557	-14.500	0.379	0.000	-14.000	1.222 P11 0.000 - L(1.222)
S233	K107	K110	-0.596	-0.563	-14.000	-0.587	-0.557	-14.500	0.500 P1 0.000 - L(0.500)
S234	K107	K108	-0.596	-0.563	-14.000	-0.587	0.557	-14.500	1.227 P11 0.000 - L(1.227)
S235	K108	K111	-0.587	0.557	-14.500	-0.577	0.550	-15.000	0.500 P1 0.000 - L(0.500)
S236	K113	K108	-0.577	-0.550	-15.000	-0.587	0.557	-14.500	1.214 P11 0.000 - L(1.214)
S237	K109	K112	0.377	0.000	-14.500	0.375	0.000	-15.000	0.500 P1 0.000 - L(0.500)
S238	K111	K109	-0.577	0.550	-15.000	0.377	0.000	-14.500	1.210 P11 0.000 - L(1.210)
S239	K110	K112	-0.587	-0.557	-14.500	0.375	0.000	-15.000	1.219 P11 0.000 - L(1.219)
S240	K110	K113	-0.587	-0.557	-14.500	-0.577	-0.550	-15.000	0.500 P1 0.000 - L(0.500)
S241	K111	K114	-0.577	0.550	-15.000	-0.568	0.543	-15.500	0.500 P2 0.000 - L(0.500)
S242	K111	K115	-0.577	0.550	-15.000	0.373	0.000	-15.500	1.207 P12 0.000 - L(1.207)
S243	K111	K112	-0.577	0.550	-15.000	0.375	0.000	-15.000	1.100 P4 0.000 - L(1.100)
S244	K113	K112	-0.577	-0.550	-15.000	0.375	0.000	-15.000	1.100 P4 0.000 - L(1.100)
S245	K112	K115	0.375	0.000	-15.000	0.373	0.000	-15.500	0.500 P2 0.000 - L(0.500)
S246	K116	K112	-0.568	-0.543	-15.500	0.375	0.000	-15.000	1.198 P12 0.000 - L(1.198)
S247	K113	K116	-0.577	-0.550	-15.000	-0.568	-0.543	-15.500	0.500 P2 0.000 - L(0.500)
S248	K113	K114	-0.577	-0.550	-15.000	-0.568	0.543	-15.500	1.202 P12 0.000 - L(1.202)
S249	K114	K117	-0.568	0.543	-15.500	-0.558	0.537	-16.000	0.500 P2 0.000 - L(0.500)
S250	K119	K114	-0.558	-0.537	-16.000	-0.568	0.543	-15.500	1.190 P12 0.000 - L(1.190)
S251	K115	K118	0.373	0.000	-15.500	0.372	0.000	-16.000	0.500 P2 0.000 - L(0.500)
S252	K117	K115	-0.558	0.537	-16.000	0.373	0.000	-15.500	1.186 P12 0.000 - L(1.186)
S253	K116	K118	-0.568	-0.543	-15.500	0.372	0.000	-16.000	1.195 P12 0.000 - L(1.195)
S254	K116	K119	-0.568	-0.543	-15.500	-0.558	-0.537	-16.000	0.500 P2 0.000 - L(0.500)
S255	K117	K121	-0.558	0.537	-16.000	0.370	0.000	-16.500	1.183 P12 0.000 - L(1.183)
S256	K117	K120	-0.558	0.537	-16.000	-0.548	0.530	-16.500	0.500 P2 0.000 - L(0.500)
S257	K118	K121	0.372	0.000	-16.000	0.370	0.000	-16.500	0.500 P2 0.000 - L(0.500)
S258	K122	K118	-0.548	-0.530	-16.500	0.372	0.000	-16.000	1.173 P12 0.000 - L(1.173)
S259	K119	K122	-0.558	-0.537	-16.000	-0.548	-0.530	-16.500	0.500 P2 0.000 - L(0.500)
S260	K119	K120	-0.558	-0.537	-16.000	-0.548	0.530	-16.500	1.178 P12 0.000 - L(1.178)
S261	K120	K123	-0.548	0.530	-16.500	-0.539	0.523	-17.000	0.500 P2 0.000 - L(0.500)

Staaft	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S262	K125	K120	-0.539	-0.523	-17.000	-0.548	0.530	-16.500	1.166 P12 0.000 - L(1.166)	
S263	K123	K121	-0.539	0.523	-17.000	0.370	0.000	-16.500	1.161 P12 0.000 - L(1.161)	
S264	K121	K124	0.370	0.000	-16.500	0.368	0.000	-17.000	0.500 P2 0.000 - L(0.500)	
S265	K122	K124	-0.548	-0.530	-16.500	0.368	0.000	-17.000	1.170 P12 0.000 - L(1.170)	
S266	K122	K125	-0.548	-0.530	-16.500	-0.539	-0.523	-17.000	0.500 P2 0.000 - L(0.500)	
S267	K123	K127	-0.539	0.523	-17.000	0.366	0.000	-17.500	1.158 P12 0.000 - L(1.158)	
S268	K123	K126	-0.539	0.523	-17.000	-0.529	0.517	-17.500	0.500 P2 0.000 - L(0.500)	
S269	K128	K124	-0.529	-0.517	-17.500	0.368	0.000	-17.000	1.149 P12 0.000 - L(1.149)	
S270	K124	K127	0.368	0.000	-17.000	0.366	0.000	-17.500	0.500 P2 0.000 - L(0.500)	
S271	K125	K128	-0.539	-0.523	-17.000	-0.529	-0.517	-17.500	0.500 P2 0.000 - L(0.500)	
S272	K125	K126	-0.539	-0.523	-17.000	-0.529	0.517	-17.500	1.154 P12 0.000 - L(1.154)	
S273	K131	K126	-0.519	-0.510	-18.000	-0.529	0.517	-17.500	1.142 P12 0.000 - L(1.142)	
S274	K126	K129	-0.529	0.517	-17.500	-0.519	0.510	-18.000	0.500 P2 0.000 - L(0.500)	
S275	K129	K127	-0.519	0.510	-18.000	0.366	0.000	-17.500	1.137 P12 0.000 - L(1.137)	
S276	K127	K130	0.366	0.000	-17.500	0.364	0.000	-18.000	0.500 P2 0.000 - L(0.500)	
S277	K128	K130	-0.529	-0.517	-17.500	0.364	0.000	-18.000	1.146 P12 0.000 - L(1.146)	
S278	K128	K131	-0.529	-0.517	-17.500	-0.519	-0.510	-18.000	0.500 P2 0.000 - L(0.500)	
S279	K129	K133	-0.519	0.510	-18.000	0.362	0.000	-18.500	1.134 P12 0.000 - L(1.134)	
S280	K129	K132	-0.519	0.510	-18.000	-0.510	0.503	-18.500	0.500 P2 0.000 - L(0.500)	
S281	K134	K130	-0.510	-0.503	-18.500	0.364	0.000	-18.000	1.125 P12 0.000 - L(1.125)	
S282	K130	K133	0.364	0.000	-18.000	0.362	0.000	-18.500	0.500 P2 0.000 - L(0.500)	
S283	K131	K132	-0.519	-0.510	-18.000	-0.510	0.503	-18.500	1.130 P12 0.000 - L(1.130)	
S284	K131	K134	-0.519	-0.510	-18.000	-0.510	-0.503	-18.500	0.500 P2 0.000 - L(0.500)	
S285	K137	K132	-0.500	-0.497	-19.000	-0.510	0.503	-18.500	1.118 P12 0.000 - L(1.118)	
S286	K132	K135	-0.510	0.503	-18.500	-0.500	0.497	-19.000	0.500 P2 0.000 - L(0.500)	
S287	K135	K133	-0.500	0.497	-19.000	0.362	0.000	-18.500	1.114 P12 0.000 - L(1.114)	
S288	K133	K136	0.362	0.000	-18.500	0.360	0.000	-19.000	0.500 P2 0.000 - L(0.500)	
S289	K134	K137	-0.510	-0.503	-18.500	-0.500	-0.497	-19.000	0.500 P2 0.000 - L(0.500)	
S290	K134	K136	-0.510	-0.503	-18.500	0.360	0.000	-19.000	1.122 P12 0.000 - L(1.122)	
S291	K135	K139	-0.500	0.497	-19.000	0.358	0.000	-19.500	1.111 P12 0.000 - L(1.111)	
S292	K135	K138	-0.500	0.497	-19.000	-0.491	0.490	-19.500	0.500 P2 0.000 - L(0.500)	
S293	K140	K136	-0.491	-0.490	-19.500	0.360	0.000	-19.000	1.102 P12 0.000 - L(1.102)	
S294	K136	K139	0.360	0.000	-19.000	0.358	0.000	-19.500	0.500 P2 0.000 - L(0.500)	



S295	K137	K140	-0.500	-0.497	-19.000	-0.491	-0.490	-19.500	0.500 P2	0.000 - L(0.500)
S296	K137	K138	-0.500	-0.497	-19.000	-0.491	0.490	-19.500	1.106 P12	0.000 - L(1.106)
S297	K138	K141	-0.491	0.490	-19.500	-0.481	0.483	-20.000	0.500 P2	0.000 - L(0.500)
S298	K143	K138	-0.481	-0.483	-20.000	-0.491	0.490	-19.500	1.094 P12	0.000 - L(1.094)
S299	K141	K139	-0.481	0.483	-20.000	0.358	0.000	-19.500	1.090 P12	0.000 - L(1.090)
S300	K139	K142	0.358	0.000	-19.500	0.356	0.000	-20.000	0.500 P2	0.000 - L(0.500)
S301	K140	K142	-0.491	-0.490	-19.500	0.356	0.000	-20.000	1.099 P12	0.000 - L(1.099)
S302	K140	K143	-0.491	-0.490	-19.500	-0.481	-0.483	-20.000	0.500 P2	0.000 - L(0.500)
S303	K141	K145	-0.481	0.483	-20.000	0.354	0.000	-20.500	1.087 P12	0.000 - L(1.087)
S304	K141	K144	-0.481	0.483	-20.000	-0.471	0.477	-20.500	0.500 P2	0.000 - L(0.500)
S305	K146	K142	-0.471	-0.477	-20.500	0.356	0.000	-20.000	1.078 P12	0.000 - L(1.078)
S306	K142	K145	0.356	0.000	-20.000	0.354	0.000	-20.500	0.500 P2	0.000 - L(0.500)
S307	K143	K146	-0.481	-0.483	-20.000	-0.471	-0.477	-20.500	0.500 P2	0.000 - L(0.500)
S308	K143	K144	-0.481	-0.483	-20.000	-0.471	0.477	-20.500	1.082 P12	0.000 - L(1.082)
S309	K149	K144	-0.462	-0.470	-21.000	-0.471	0.477	-20.500	1.071 P12	0.000 - L(1.071)
S310	K144	K147	-0.471	0.477	-20.500	-0.462	0.470	-21.000	0.500 P2	0.000 - L(0.500)
S311	K147	K145	-0.462	0.470	-21.000	0.354	0.000	-20.500	1.066 P12	0.000 - L(1.066)
S312	K145	K148	0.354	0.000	-20.500	0.352	0.000	-21.000	0.500 P2	0.000 - L(0.500)
S313	K146	K148	-0.471	-0.477	-20.500	0.352	0.000	-21.000	1.075 P12	0.000 - L(1.075)
S314	K146	K149	-0.471	-0.477	-20.500	-0.462	-0.470	-21.000	0.500 P2	0.000 - L(0.500)
S315	K147	K150	-0.462	0.470	-21.000	-0.452	0.463	-21.500	0.500 P2	0.000 - L(0.500)
S316	K147	K151	-0.462	0.470	-21.000	0.350	0.000	-21.500	1.063 P12	0.000 - L(1.063)
S317	K148	K151	0.352	0.000	-21.000	0.350	0.000	-21.500	0.500 P2	0.000 - L(0.500)
S318	K152	K148	-0.452	-0.463	-21.500	0.352	0.000	-21.000	1.054 P12	0.000 - L(1.054)
S319	K149	K152	-0.462	-0.470	-21.000	-0.452	-0.463	-21.500	0.500 P2	0.000 - L(0.500)
S320	K149	K150	-0.462	-0.470	-21.000	-0.452	0.463	-21.500	1.059 P12	0.000 - L(1.059)
S321	K150	K154	-0.452	0.463	-21.500	-0.442	0.457	-22.000	0.500 P2	0.000 - L(0.500)
S322	K157	K150	-0.442	-0.457	-22.000	-0.452	0.463	-21.500	1.047 P12	0.000 - L(1.047)
S323	K154	K151	-0.442	0.457	-22.000	0.350	0.000	-21.500	1.043 P12	0.000 - L(1.043)
S324	K151	K155	0.350	0.000	-21.500	0.349	0.000	-22.000	0.500 P2	0.000 - L(0.500)
S325	K152	K155	-0.452	-0.463	-21.500	0.349	0.000	-22.000	1.051 P12	0.000 - L(1.051)
S326	K152	K157	-0.452	-0.463	-21.500	-0.442	-0.457	-22.000	0.500 P2	0.000 - L(0.500)
S327	K154	K169	-0.442	0.457	-22.000	0.347	0.000	-22.500	1.040 P12	0.000 - L(1.040)
S328	K154	K163	-0.442	0.457	-22.000	-0.435	0.451	-22.400	0.400 P2	0.000 - L(0.400)
S329	K170	K155	-0.433	-0.450	-22.500	0.349	0.000	-22.000	1.031 P12	0.000 - L(1.031)
S330	K155	K166	0.349	0.000	-22.000	0.347	0.000	-22.400	0.400 P2	0.000 - L(0.400)
S331	K157	K168	-0.442	-0.457	-22.000	-0.433	0.450	-22.500	1.035 P12	0.000 - L(1.035)
S332	K157	K164	-0.442	-0.457	-22.000	-0.435	-0.451	-22.400	0.400 P2	0.000 - L(0.400)
S333	K163	K162	-0.435	0.451	-22.400	-0.536	0.677	-22.400	0.247 P15	0.000 - L(0.247)
S334	K163	K168	-0.435	0.451	-22.400	-0.433	0.450	-22.500	0.100 P2	0.000 - L(0.100)
S335	K165	K164	-0.536	-0.677	-22.400	-0.435	-0.451	-22.400	0.247 P15	0.000 - L(0.247)
S336	K164	K170	-0.435	-0.451	-22.400	-0.433	-0.450	-22.500	0.100 P2	0.000 - L(0.100)
Staat	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S337	K166	K169	0.347	0.000	-22.400	0.347	0.000	-22.500	0.100 P2	0.000 - L(0.100)
S338	K168	K169	-0.433	0.450	-22.500	0.347	0.000	-22.500	0.900 P5	0.000 - L(0.900)
S339	K176	K168	-0.423	-0.443	-23.000	-0.433	0.450	-22.500	1.024 P13	0.000 - L(1.024)
S340	K168	K174	-0.433	0.450	-22.500	-0.423	0.443	-23.000	0.500 P3	0.000 - L(0.500)
S341	K169	K175	0.347	0.000	-22.500	0.345	0.000	-23.000	0.500 P3	0.000 - L(0.500)
S342	K174	K169	-0.423	0.443	-23.000	0.347	0.000	-22.500	1.019 P13	0.000 - L(1.019)
S343	K170	K169	-0.433	-0.450	-22.500	0.347	0.000	-22.500	0.900 P5	0.000 - L(0.900)
S344	K170	K176	-0.433	-0.450	-22.500	-0.423	-0.443	-23.000	0.500 P3	0.000 - L(0.500)
S345	K170	K175	-0.433	-0.450	-22.500	0.345	0.000	-23.000	1.028 P13	0.000 - L(1.028)
S346	K174	K181	-0.423	0.443	-23.000	0.343	0.000	-23.500	1.016 P13	0.000 - L(1.016)
S347	K174	K180	-0.423	0.443	-23.000	-0.414	0.437	-23.500	0.500 P3	0.000 - L(0.500)
S348	K175	K181	0.345	0.000	-23.000	0.343	0.000	-23.500	0.500 P3	0.000 - L(0.500)
S349	K182	K175	-0.414	-0.437	-23.500	0.345	0.000	-23.000	1.008 P13	0.000 - L(1.008)
S350	K176	K180	-0.423	-0.443	-23.000	-0.414	0.437	-23.500	1.012 P13	0.000 - L(1.012)
S351	K176	K182	-0.423	-0.443	-23.000	-0.414	-0.437	-23.500	0.500 P3	0.000 - L(0.500)
S352	K180	K183	-0.414	0.437	-23.500	-0.404	0.430	-24.000	0.500 P3	0.000 - L(0.500)
S353	K185	K180	-0.404	-0.430	-24.000	-0.414	0.437	-23.500	1.001 P13	0.000 - L(1.001)
S354	K181	K184	0.343	0.000	-23.500	0.341	0.000	-24.000	0.500 P3	0.000 - L(0.500)
S355	K183	K181	-0.404	0.430	-24.000	0.343	0.000	-23.500	0.996 P13	0.000 - L(0.996)
S356	K182	K184	-0.414	-0.437	-23.500	0.341	0.000	-24.000	1.005 P13	0.000 - L(1.005)
S357	K182	K185	-0.414	-0.437	-23.500	-0.404	-0.430	-24.000	0.500 P3	0.000 - L(0.500)
S358	K183	K189	-0.404	0.430	-24.000	-0.394	0.423	-24.500	0.500 P3	0.000 - L(0.500)
S359	K183	K190	-0.404	0.430	-24.000	0.339	0.000	-24.500	0.993 P13	0.000 - L(0.993)
S360	K184	K190	0.341	0.000	-24.000	0.339	0.000	-24.500	0.500 P3	0.000 - L(0.500)
S361	K192	K184	-0.394	-0.423	-24.500	0.341	0.000	-24.000	0.985 P13	0.000 - L(0.985)
S362	K185	K192	-0.404	-0.430	-24.000	-0.394	-0.423	-24.500	0.500 P3	0.000 - L(0.500)
S363	K185	K189	-0.404	-0.430	-24.000	-0.394	0.423	-24.500	0.989 P13	0.000 - L(0.989)



S364	K187	K192	-0.536	-0.677	-24.400	-0.394	-0.423	-24.500	0.307 P15 0.000 - L(0.307)
S365	K189	K188	-0.394	0.423	-24.500	-0.536	0.677	-24.500	0.291 P15 0.000 - L(0.291)
S366	K198	K189	-0.385	-0.417	-25.000	-0.394	0.423	-24.500	0.978 P13 0.000 - L(0.978)
S367	K189	K196	-0.394	0.423	-24.500	-0.385	0.417	-25.000	0.500 P3 0.000 - L(0.500)
S368	K196	K190	-0.385	0.417	-25.000	0.339	0.000	-24.500	0.973 P13 0.000 - L(0.973)
S369	K190	K197	0.339	0.000	-24.500	0.337	0.000	-25.000	0.500 P3 0.000 - L(0.500)
S370	K192	K197	-0.394	-0.423	-24.500	0.337	0.000	-25.000	0.982 P13 0.000 - L(0.982)
S371	K192	K198	-0.394	-0.423	-24.500	-0.385	-0.417	-25.000	0.500 P3 0.000 - L(0.500)
S372	K196	K199	-0.385	0.417	-25.000	-0.375	0.410	-25.500	0.500 P3 0.000 - L(0.500)
S373	K196	K200	-0.385	0.417	-25.000	0.335	0.000	-25.500	0.970 P13 0.000 - L(0.970)
S374	K197	K200	0.337	0.000	-25.000	0.335	0.000	-25.500	0.500 P3 0.000 - L(0.500)
S375	K201	K197	-0.375	-0.410	-25.500	0.337	0.000	-25.000	0.962 P13 0.000 - L(0.962)
S376	K198	K201	-0.385	-0.417	-25.000	-0.375	-0.410	-25.500	0.500 P3 0.000 - L(0.500)
S377	K198	K199	-0.385	-0.417	-25.000	-0.375	0.410	-25.500	0.966 P13 0.000 - L(0.966)
S378	K199	K202	-0.375	0.410	-25.500	-0.365	0.403	-26.000	0.500 P3 0.000 - L(0.500)
S379	K204	K199	-0.365	-0.403	-26.000	-0.375	0.410	-25.500	0.955 P13 0.000 - L(0.955)
S380	K200	K203	0.335	0.000	-25.500	0.333	0.000	-26.000	0.500 P3 0.000 - L(0.500)
S381	K202	K200	-0.365	0.403	-26.000	0.335	0.000	-25.500	0.950 P13 0.000 - L(0.950)
S382	K201	K204	-0.375	-0.410	-25.500	-0.365	-0.403	-26.000	0.500 P3 0.000 - L(0.500)
S383	K201	K203	-0.375	-0.410	-25.500	0.333	0.000	-26.000	0.959 P13 0.000 - L(0.959)
S384	K202	K205	-0.365	0.403	-26.000	-0.356	0.397	-26.500	0.500 P3 0.000 - L(0.500)
S385	K202	K206	-0.365	0.403	-26.000	0.331	0.000	-26.500	0.948 P13 0.000 - L(0.948)
S386	K203	K206	0.333	0.000	-26.000	0.331	0.000	-26.500	0.500 P3 0.000 - L(0.500)
S387	K207	K203	-0.356	-0.397	-26.500	0.333	0.000	-26.000	0.939 P13 0.000 - L(0.939)
S388	K204	K205	-0.365	-0.403	-26.000	-0.356	0.397	-26.500	0.943 P13 0.000 - L(0.943)
S389	K204	K207	-0.365	-0.403	-26.000	-0.356	-0.397	-26.500	0.500 P3 0.000 - L(0.500)
S390	K210	K205	-0.346	-0.390	-27.000	-0.356	0.397	-26.500	0.932 P13 0.000 - L(0.932)
S391	K205	K208	-0.356	0.397	-26.500	-0.346	0.390	-27.000	0.500 P3 0.000 - L(0.500)
S392	K208	K206	-0.346	0.390	-27.000	0.331	0.000	-26.500	0.928 P13 0.000 - L(0.928)
S393	K206	K209	0.331	0.000	-26.500	0.329	0.000	-27.000	0.500 P3 0.000 - L(0.500)
S394	K207	K210	-0.356	-0.397	-26.500	-0.346	-0.390	-27.000	0.500 P3 0.000 - L(0.500)
S395	K207	K209	-0.356	-0.397	-26.500	0.329	0.000	-27.000	0.936 P13 0.000 - L(0.936)
S396	K208	K211	-0.346	0.390	-27.000	-0.337	0.383	-27.500	0.500 P3 0.000 - L(0.500)
S397	K208	K212	-0.346	0.390	-27.000	0.327	0.000	-27.500	0.925 P13 0.000 - L(0.925)
S398	K213	K209	-0.337	-0.383	-27.500	0.329	0.000	-27.000	0.917 P13 0.000 - L(0.917)
S399	K209	K212	0.329	0.000	-27.000	0.327	0.000	-27.500	0.500 P3 0.000 - L(0.500)
S400	K210	K211	-0.346	-0.390	-27.000	-0.337	0.383	-27.500	0.921 P13 0.000 - L(0.921)
S401	K210	K213	-0.346	-0.390	-27.000	-0.337	-0.383	-27.500	0.500 P3 0.000 - L(0.500)
S402	K216	K211	-0.327	-0.377	-28.000	-0.337	0.383	-27.500	0.910 P13 0.000 - L(0.910)
S403	K211	K214	-0.337	0.383	-27.500	-0.327	0.377	-28.000	0.500 P3 0.000 - L(0.500)
S404	K214	K212	-0.327	0.377	-28.000	0.327	0.000	-27.500	0.906 P13 0.000 - L(0.906)
S405	K212	K215	0.327	0.000	-27.500	0.325	0.000	-28.000	0.500 P3 0.000 - L(0.500)
S406	K213	K216	-0.337	-0.383	-27.500	-0.327	-0.377	-28.000	0.500 P3 0.000 - L(0.500)
S407	K213	K215	-0.337	-0.383	-27.500	0.325	0.000	-28.000	0.914 P13 0.000 - L(0.914)
S408	K214	K218	-0.327	0.377	-28.000	0.324	0.000	-28.500	0.903 P13 0.000 - L(0.903)
S409	K214	K217	-0.327	0.377	-28.000	-0.317	0.370	-28.500	0.500 P3 0.000 - L(0.500)
S410	K215	K218	0.325	0.000	-28.000	0.324	0.000	-28.500	0.500 P3 0.000 - L(0.500)
S411	K219	K215	-0.317	-0.370	-28.500	0.325	0.000	-28.000	0.894 P13 0.000 - L(0.894)

Staaft	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S412	K216	K219	-0.327	-0.377	-28.000	-0.317	-0.370	-28.500	0.500 P3	0.000 - L(0.500)
S413	K216	K217	-0.327	-0.377	-28.000	-0.317	0.370	-28.500	0.899 P13	0.000 - L(0.899)
S414	K222	K217	-0.308	-0.363	-29.000	-0.317	0.370	-28.500	0.888 P13	0.000 - L(0.888)
S415	K217	K220	-0.317	0.370	-28.500	-0.308	0.363	-29.000	0.500 P3	0.000 - L(0.500)
S416	K218	K221	0.324	0.000	-28.500	0.322	0.000	-29.000	0.500 P3	0.000 - L(0.500)
S417	K220	K218	-0.308	0.363	-29.000	0.324	0.000	-28.500	0.883 P13	0.000 - L(0.883)
S418	K219	K221	-0.317	-0.370	-28.500	0.322	0.000	-29.000	0.892 P13	0.000 - L(0.892)
S419	K219	K222	-0.317	-0.370	-28.500	-0.308	-0.363	-29.000	0.500 P3	0.000 - L(0.500)
S420	K220	K224	-0.308	0.363	-29.000	0.320	0.000	-29.500	0.881 P13	0.000 - L(0.881)
S421	K220	K223	-0.308	0.363	-29.000	-0.298	0.357	-29.500	0.500 P3	0.000 - L(0.500)
S422	K225	K221	-0.298	-0.357	-29.500	0.322	0.000	-29.000	0.872 P13	0.000 - L(0.872)
S423	K221	K224	0.322	0.000	-29.000	0.320	0.000	-29.500	0.500 P3	0.000 - L(0.500)
S424	K222	K223	-0.308	-0.363	-29.000	-0.298	0.357	-29.500	0.877 P13	0.000 - L(0.877)
S425	K222	K225	-0.308	-0.363	-29.000	-0.298	-0.357	-29.500	0.500 P3	0.000 - L(0.500)
S426	K223	K226	-0.298	0.357	-29.500	-0.288	0.350	-30.000	0.500 P3	0.000 - L(0.500)
S427	K229	K223	-0.288	-0.350	-30.000	-0.298	0.357	-29.500	0.866 P13	0.000 - L(0.866)
S428	K224	K226	0.320	0.000	-29.500	-0.288	0.350	-30.000	0.862 P13	0.000 - L(0.862)
S429	K224	K228	0.320	0.000	-29.500	0.318	0.000	-30.000	0.500 P3	0.000 - L(0.500)
S430	K225	K228	-0.298	-0.357	-29.500	0.318	0.000	-30.000	0.870 P13	0.000 - L(0.870)
S431	K225	K229	-0.298	-0.357	-29.500	-0.288	-0.350	-30.000	0.500 P3	0.000 - L(0.500)
S432	K227	K226	0.000	0.000	-30.000	-0.288	0.350	-30.000	0.454 P6	0.000 - L(0.454)



S433	K226	K230	-0.288	0.350	-30.000	0.000	0.000	-30.500	0.675	P6	0.000 - L(0.675)
S434	K226	K228	-0.288	0.350	-30.000	0.318	0.000	-30.000	0.700	P6	0.000 - L(0.700)
S435	K229	K227	-0.288	-0.350	-30.000	0.000	0.000	-30.000	0.454	P6	0.000 - L(0.454)
S436	K229	K228	-0.288	-0.350	-30.000	0.318	0.000	-30.000	0.700	P6	0.000 - L(0.700)
S437	K228	K230	0.318	0.000	-30.000	0.000	0.000	-30.500	0.592	P6	0.000 - L(0.592)
S438	K229	K230	-0.288	-0.350	-30.000	0.000	0.000	-30.500	0.675	P6	0.000 - L(0.675)
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PROFIELEN

Profiel	Profielnaam	Oppervlakte	It	ly	Iz	Materiaal	Hoek
P1	C50	1.9635e-03	6.1359e-07	3.0680e-07	3.0680e-07	S355	0.0
P2	C40	1.2566e-03	2.5133e-07	1.2566e-07	1.2566e-07	S355	0.0
P3	C30	7.0686e-04	7.9522e-08	3.9761e-08	3.9761e-08	S355	0.0
P4	C24	4.5239e-04	3.2572e-08	1.6286e-08	1.6286e-08	S355	0.0
P5	C20	3.1416e-04	1.5708e-08	7.8540e-09	7.8540e-09	S355	0.0
P6	C18	2.5447e-04	1.0306e-08	5.1530e-09	5.1530e-09	S355	0.0
P7	C24	4.5239e-04	3.2572e-08	1.6286e-08	1.6286e-08	S355	0.0
P8	HE200A	5.3831e-03	2.0985e-07	3.6922e-05	1.3355e-05	S235	0.0
P9	C55	2.3758e-03	8.9836e-07	4.4918e-07	4.4918e-07	S235	0.0
P10	C30	7.0686e-04	7.9522e-08	3.9761e-08	3.9761e-08	S235	0.0
P11	C24	4.5239e-04	3.2572e-08	1.6286e-08	1.6286e-08	S235	0.0
P12	C20	3.1416e-04	1.5708e-08	7.8540e-09	7.8540e-09	S235	0.0
P13	C18	2.5447e-04	1.0306e-08	5.1530e-09	5.1530e-09	S235	0.0
P14	N88.9/5	1.3179e-03	2.3275e-06	1.1637e-06	1.1637e-06	S235H(EN10210-1)	0.0
P15	N48.3/5	6.8015e-04	3.2305e-07	1.6153e-07	1.6153e-07	S235H(EN10210-1)	0.0
P16	UNP200	3.2179e-03	1.0384e-07	1.9105e-05	1.4781e-06	S235	90.0
-	-	m2	m4	m4	m4	-	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR Raatl.	Hoogte
P1	Nee	0,050	0,050	0,0000	0,0000	0,0000	0,050	0,000	0,000 Nee	0,000
P2	Nee	0,040	0,040	0,0000	0,0000	0,0000	0,040	0,000	0,000 Nee	0,000
P3	Nee	0,030	0,030	0,0000	0,0000	0,0000	0,030	0,000	0,000 Nee	0,000
P4	Nee	0,024	0,024	0,0000	0,0000	0,0000	0,024	0,000	0,000 Nee	0,000
P5	Nee	0,020	0,020	0,0000	0,0000	0,0000	0,020	0,000	0,000 Nee	0,000
P6	Nee	0,018	0,018	0,0000	0,0000	0,0000	0,018	0,000	0,000 Nee	0,000
P7	Nee	0,024	0,024	0,0000	0,0000	0,0000	0,024	0,000	0,000 Nee	0,000
P9	Nee	0,055	0,055	0,0000	0,0000	0,0000	0,055	0,000	0,000 Nee	0,000
P10	Nee	0,030	0,030	0,0000	0,0000	0,0000	0,030	0,000	0,000 Nee	0,000
P11	Nee	0,024	0,024	0,0000	0,0000	0,0000	0,024	0,000	0,000 Nee	0,000
P12	Nee	0,020	0,020	0,0000	0,0000	0,0000	0,020	0,000	0,000 Nee	0,000
P13	Nee	0,018	0,018	0,0000	0,0000	0,0000	0,018	0,000	0,000 Nee	0,000
-	-	m	m	m	m	m	m	m	m -	m

MATERIALEN

Materiaalnaam	Poison	Dichtheid	E-Modulus	Uitzettingcoeff
S355	0.30	78.50	2.1000e+08	12.0000e-06
S235	0.30	78.50	2.1000e+08	12.0000e-06
Materiaalnaam	Poison	Dichtheid	E-Modulus	Uitzettingcoeff
S235H(EN10210-1)	0.30	78.50	2.1000e+08	12.0000e-06
-	-	kN/m3	kN/m2	C°m

OPLEGGINGEN

Oplegging	Object	Positie	X	Y	Z	Xr	Yr	Zr	HoekXr	HoekYr	HoekZr
O1	K1	0.000	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O2	K2	0.000	Vrij	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O3	K3	0.000	Vast	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O4	K5	0.000	Vrij	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O5	K6	0.000	Vrij	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O6	K8	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O7	K9	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O8	K12	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O9	K15	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0

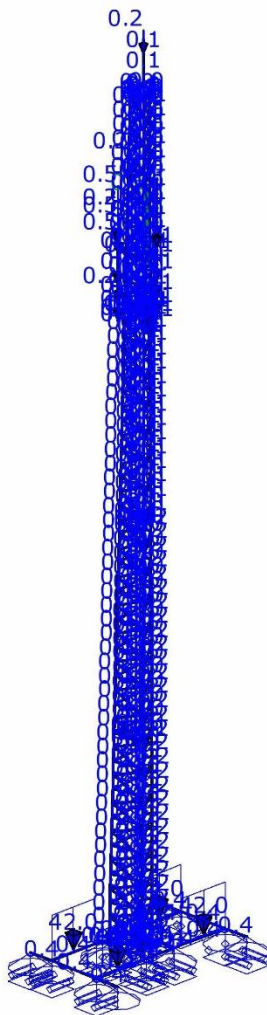


O10	K16	0.000	Vast	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O11	K18	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O12	K19	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O13	K21	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O14	K22	0.000	Vast	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O15	K23	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
-	-	m	kN/m	kN/m	kN/m	kNm/rad	kNm/rad	kNm/rad	°	°	°

BELASTINGSGEVALLEN TYPEN

Oplegg. Staven UGT/GGT	B.G.Type	Gunstig/Ong. Element	Niveau Veld	Psi0	Psi1	Cprob Psi2
B.G.1 Permanent	Permanent	-	N.v.t.	N.v.t.		
B.G.2 Windbelasting	Windbelasting	-	N.v.t.	N.v.t.	0.20	1.00/1.00
B.G.3 Kniklengte	Kniklengte		N.v.t.	N.v.t.		

B.G.1: PERMANENT



B.G.1: PERMANENT

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
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B.G.1: Permanent

q	42.00	42.00	0.000	2.000(L)	Z' S1,S5,S8,S12
N	0.17				Z K231
N	0.21				Z K210
N	0.24				Z K159-K161,K193-K195

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
N	0.50				Z K171-K173,K177-K179,K188,K191
F	0.50		0.050		Z S55
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	2.000(L)	Z" S1,S5,S8,S12
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.350(L)	Z" S2,S4,S9,S11
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	1.299(L)	Z" S3,S10
qG	0.25 (1.00x)	0.25 (1.00x)	0.000	1.299(L)	Z" S6-S7
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.975(L)	Z" S13,S15,S25,S27
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	2.050(L)	Z" S14,S26
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.275(L)	Z" S16,S20
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.352(L)	Z" S17,S19
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.796(L)	Z" S18
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.627(L)	Z" S21,S24
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.398(L)	Z" S22-S23
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.300(L)	Z" S28
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.100(L)	Z" S29
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.900(L)	Z" S31
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.318(L)	Z" S33
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.700(L)	Z" S34
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	0.500(L)	Z" S41,S43
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	1.000(L)	Z" S42
qG	0.19 (1.00x)	0.19 (1.00x)	0.000	0.500(L)	Z" S58,S64,S66,S70, S72,S76-S77,S81, S83,S87,S89,S94-S95, S100,S102,S106, S108,S112-S113, S118-S119,S124-S125, S129,S131,S136-S137,S141,S144,
S147					
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.500(L)	Z" S59,S62
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.580(L)	Z" S57
qG	0.19 (1.00x)	0.19 (1.00x)	0.000	0.500(L)	Z" S61,S68,S73,S79, S85,S92,S97,S103, S110,S116,S121, S127,S133,S139,S146
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.570(L)	Z" S60
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.575(L)	Z" S63
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.562(L)	Z" S65
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.557(L)	Z" S67
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.567(L)	Z" S69
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.554(L)	Z" S71
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.545(L)	Z" S74
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.550(L)	Z" S75
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.537(L)	Z" S78
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.532(L)	Z" S80
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.542(L)	Z" S82
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.529(L)	Z" S84
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.520(L)	Z" S86
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.524(L)	Z" S88
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.512(L)	Z" S90
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.507(L)	Z" S91
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.516(L)	Z" S93
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.504(L)	Z" S96
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.494(L)	Z" S98
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.499(L)	Z" S99



qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.487(L)	Z" S101
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.482(L)	Z" S104
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.491(L)	Z" S105
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.479(L)	Z" S107
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.469(L)	Z" S109
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.474(L)	Z" S111
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.462(L)	Z" S114
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.457(L)	Z" S115
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.466(L)	Z" S117
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.454(L)	Z" S120
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.444(L)	Z" S122
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.449(L)	Z" S123
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.437(L)	Z" S126
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.432(L)	Z" S128
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.441(L)	Z" S130
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.429(L)	Z" S132
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.419(L)	Z" S134
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.424(L)	Z" S135
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.412(L)	Z" S138
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.407(L)	Z" S140
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.416(L)	Z" S142
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.404(L)	Z" S143
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.394(L)	Z" S145
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	1.399(L)	Z" S148
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.300(L)	Z" S149,S152
qG	0.15 (1.00x)	0.15 (1.00x)	0.000	0.500(L)	Z" S151,S155,S158, S161,S163,S167, S170,S173,S176, S180,S182,S186, S188,S192,S194, S198-S199,S203, S206,S210-S211, S216-S217,S221, S224,S227,S229,S233,S235,S240
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.387(L)	Z" S150
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.382(L)	Z" S154
qG	0.15 (1.00x)	0.15 (1.00x)	0.000	0.500(L)	Z" S153,S159,S166, S171,S177,S183, S189,S195,S201, S208,S213,S219,S225,S231,S237
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.391(L)	Z" S156
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.379(L)	Z" S157
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.370(L)	Z" S160
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.374(L)	Z" S162
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.362(L)	Z" S164
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.357(L)	Z" S165
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.366(L)	Z" S168
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.354(L)	Z" S169
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.345(L)	Z" S172
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.349(L)	Z" S174
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.337(L)	Z" S175
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.332(L)	Z" S178
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.342(L)	Z" S179
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.329(L)	Z" S181
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.320(L)	Z" S184
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.325(L)	Z" S185
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.312(L)	Z" S187
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.308(L)	Z" S190
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.317(L)	Z" S191



qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.305(L)	Z" S193
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.295(L)	Z" S196
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.300(L)	Z" S197
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.288(L)	Z" S200
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.283(L)	Z" S202
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.292(L)	Z" S204
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.280(L)	Z" S205
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.271(L)	Z" S207
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.275(L)	Z" S209
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.263(L)	Z" S212
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.259(L)	Z" S214
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.268(L)	Z" S215
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.256(L)	Z" S218
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.246(L)	Z" S220

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.251(L)	Z" S222
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.239(L)	Z" S223
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.234(L)	Z" S226
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.243(L)	Z" S228
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.231(L)	Z" S230
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.222(L)	Z" S232
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.227(L)	Z" S234
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.214(L)	Z" S236
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.210(L)	Z" S238
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.219(L)	Z" S239
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	0.500(L)	Z" S241,S247,S249, S254,S256,S259, S261,S266,S268, S271,S274,S278, S280,S284,S286, S289,S292,S295, S297,S302,S304, S307,S310,S314-S315,S319,S321,
S326					
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.207(L)	Z" S242
qG	0.04 (1.00x)	0.04 (1.00x)	0.000	1.100(L)	Z" S243-S244
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.198(L)	Z" S246
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	0.500(L)	Z" S245,S251,S257, S264,S270,S276, S282,S288,S294, S300,S306,S312,S317,S324
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.202(L)	Z" S248
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.190(L)	Z" S250
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.186(L)	Z" S252
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.195(L)	Z" S253
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.183(L)	Z" S255
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.173(L)	Z" S258
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.178(L)	Z" S260
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.166(L)	Z" S262
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.161(L)	Z" S263
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.170(L)	Z" S265
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.158(L)	Z" S267
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.149(L)	Z" S269
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.154(L)	Z" S272
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.142(L)	Z" S273
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.137(L)	Z" S275
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.146(L)	Z" S277
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.134(L)	Z" S279
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.125(L)	Z" S281



qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.130(L)	Z" S283
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.118(L)	Z" S285
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.114(L)	Z" S287
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.122(L)	Z" S290
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.111(L)	Z" S291
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.102(L)	Z" S293
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.106(L)	Z" S296
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.094(L)	Z" S298
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.090(L)	Z" S299
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.099(L)	Z" S301
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.087(L)	Z" S303
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.078(L)	Z" S305
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.082(L)	Z" S308
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.071(L)	Z" S309
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.066(L)	Z" S311
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.075(L)	Z" S313
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.063(L)	Z" S316
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.054(L)	Z" S318
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.059(L)	Z" S320
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.047(L)	Z" S322

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.043(L)	Z" S323
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.051(L)	Z" S325
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.040(L)	Z" S327
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.031(L)	Z" S329
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.035(L)	Z" S331
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.900(L)	Z" S338,S343
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.024(L)	Z" S339
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	0.500(L)	Z" S340,S344,S347, S351-S352,S357-S358, S362,S367,S371-S372, S376,S378,S382, S384,S389,S391, S394,S396,S401, S403,S406,S409, S412,S415,S419, S421,S425-S426,S431
qG	0.06 (1.00x)	0.06 (1.00x)	0.000	0.500(L)	Z" S341,S348,S354, S360,S369,S374, S380,S386,S393, S399,S405,S410,S416,S423,S429
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.019(L)	Z" S342
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.028(L)	Z" S345
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.016(L)	Z" S346
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.008(L)	Z" S349
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.012(L)	Z" S350
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.001(L)	Z" S353
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.996(L)	Z" S355
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.005(L)	Z" S356
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.993(L)	Z" S359
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.985(L)	Z" S361
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.989(L)	Z" S363
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.978(L)	Z" S366
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.973(L)	Z" S368
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.982(L)	Z" S370
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.970(L)	Z" S373
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.962(L)	Z" S375
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.966(L)	Z" S377
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.955(L)	Z" S379
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.950(L)	Z" S381

qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.959(L)	Z" S383
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.948(L)	Z" S385
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.939(L)	Z" S387
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.943(L)	Z" S388
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.932(L)	Z" S390
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.928(L)	Z" S392
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.936(L)	Z" S395
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.925(L)	Z" S397
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.917(L)	Z" S398
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.921(L)	Z" S400
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.910(L)	Z" S402
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.906(L)	Z" S404
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.914(L)	Z" S407
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.903(L)	Z" S408
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.894(L)	Z" S411
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.899(L)	Z" S413
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.888(L)	Z" S414
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.883(L)	Z" S417
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.892(L)	Z" S418
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.881(L)	Z" S420
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.872(L)	Z" S422
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.877(L)	Z" S424
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.866(L)	Z" S427
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.862(L)	Z" S428

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.870(L)	Z" S430
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.700(L)	Z" S434,S436
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.675(L)	Z" S433,S438
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.454(L)	Z" S432,S435
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	0.592(L)	Z" S437
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	0.400(L)	Z" S328,S330,S332
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	0.100(L)	Z" S334,S336
qG	0.10 (1.00x)	0.10 (1.00x)	0.000	0.100(L)	Z" S337
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.300(L)	Z" S37,S40,S46,S50,S53
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.600(L)	Z" S38,S47,S54
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.247(L)	Z" S333,S335
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.307(L)	Z" S364
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.400(L)	Z" S49,S56
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	1.100(L)	Z" S55
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.291(L)	Z" S30
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.299(L)	Z" S32
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.800(L)	Z" S48
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.291(L)	Z" S365
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.369(L)	Z" S36,S45,S52
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.031(L)	Z" S35,S51
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	0.031(L)	Z" S44
qG	0.05 (1.00x)	0.05 (1.00x)	0.000	1.200(L)	Z" S39
F	0.50		0.400(L)		Z S49
Som lasten	X: 0.00	kN Y: 0.00	kN Z: 373.95	kN	
-	-	-	m	m	- -

B.G.2: WINDBELASTING



B.G.2: WINDBELASTING

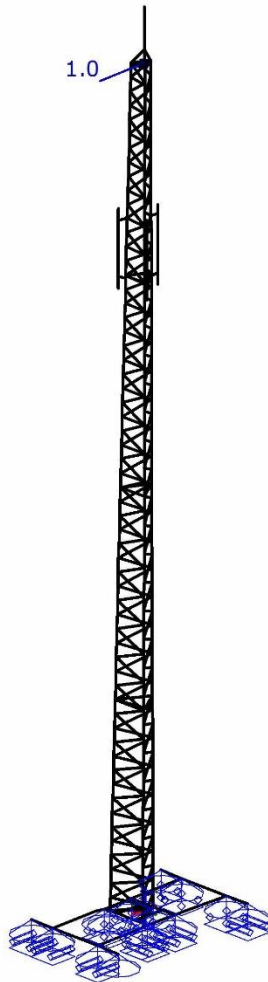
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting					

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting					
q	0.20	0.20	0.000	0.275(L)	X S20,S58,S64,S66, S70,S72,S76-S77, S81,S83,S87,S89, S94-S95,S100,S102, S106,S108,S112-S113, S118-S119,S124-S125, S129,S131,S136-S137,S141,S144,
S147 q	0.28	0.28	0.000	0.500(L)	X S241,S247,S249, S254,S256,S259, S261,S266,S268, S271,S274,S278,



q	0.10	0.10	0.000	0.500(L)	S280,S284,S286, S289,S292,S295, S297,S302,S304, S307,S310,S314-S315, S319,S321,S326, S328,S332,S334,S336 X S340,S344,S347, S351-S352,S357-S358, S362,S367,S371-S372, S376,S378,S382, S384,S389,S391, S394,S396,S401, S403,S406,S409, S412,S415,S419, S421,S425-S426,S431 X K231
N	0.26				Z' S41-S43
q	0.14	0.14	0.000	0.500(L)	X K210
N	0.37				X S151,S155,S158, S161,S163,S167, S170,S173,S176, S180,S182,S186, S188,S192,S194, S198-S199,S203, S206,S210-S211, S216-S217,S221, S224,S227,S229,S233,S235,S240 X K161,K194
q	0.27	0.27	0.000	0.500(L)	X K159-K160,K193,K195
N	0.58				X
N	0.35				
N	0.19				
K171-K172,K177-K179,K186-K188,K191					
Som lasten	X: 17.86	kN Y: 0.00	kN Z: 0.00	kN	
-	-	-	m	m	- -

B.G.3: KNIKLENGTE



B.G.3: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Kniklengte					
N	1.00				X K228
Som lasten	X: 1.00	kN Y: 0.00	kN Z: 0.00	kN	
-	-	-	m	m	- -

PERSISTENT BELASTINGSCOMBINATIES (TABEL)

B.G.	Omschrijving	Pe.C.1	Pe.C.2	Pe.C.3
B.G.1	Permanent	1.20	1.20	1.35
B.G.2	Windbelasting	1.28	-1.28	-
B.G.3	Kniklengte	-	-	-

CHARACTERISTIC BELASTINGSCOMBINATIES (TABEL)

B.G.	Omschrijving	Ch.C.(w1)	Ch.C.1
B.G.1	Permanent	1.00	1.00
B.G.2	Windbelasting	0.57	-0.57
B.G.3	Kniklengte	-	-

B.G. OPLEGREACTIES MET BEL. GEVALLEN



B.G.	Oplegging	Knoop	Reactie
B.G.1	O1	K1	X 0.00
			Y -0.00
			Z -0.08
	O2	K2	Y -0.00
			Z -0.08
	O3	K3	X 0.01
			Z -43.20
	O4	K5	Y -0.02
			Z -42.49
	O5	K6	Y 0.02
			Z -43.05
	O6	K8	Z -43.20
	O7	K9	Z -7.96
	O8	K12	Z -13.73
B.G.2	O1	K1	O9 Z -8.13
			O10 X -0.01
			Z -43.20
			O11 Z -42.43
			O12 Z -43.06
			O13 Z -43.20
			O14 X -0.00
			Z -0.08
			O15 Z -0.08
			X -0.11
			Y 0.06
			Z -0.00
			O2 Y 0.02
			Z 0.00
B.G.3	O3	K3	X -10.80
			Z 0.00
			O4 Y 3.16
			Z 0.13
			O5 Y -3.24
			Z -0.02
			O6 Z 0.00
			O7 Z 115.53
			O8 Z -231.37
			O9 Z 115.77
			O10 X -6.85
			Z 0.00
			O11 Z -0.04
			O12 Z -0.01
			O13 Z 0.00
			O14 X -0.09
B.G.2	O14	K22	Z 0.00
			O15 Z 0.00
			X -0.01
			Y 0.00
			Z -0.00
			O2 Y 0.00
			Z 0.00
			O3 X -0.58
			Z 0.00
			O4 Y 0.13
			Z 0.01
			O5 Y -0.13
			Z -0.00
			O6 Z 0.00
			O7 Z 11.53



O8	K12	Z	-23.09
O9	K15	Z	11.55
O10	K16	X	-0.41
		Z	0.00
O11	K18	Z	-0.00
O12	K19	Z	-0.00
O13	K21	Z	0.00
O14	K22	X	-0.01
		Z	0.00
O15	K23	Z	0.00
-	-	-	kN kNm

PE.C. EXTREME OPLEGREACTIES

Oplegging Y	Knoop	B.C.	Xmax	Y	Z B.C.	Ymax	X	Z B.C.	Zmax	X
O1	K1	Pe.C.2	0.14	-0.08	-0.09 Pe.C.1	0.08	-0.14	-0.09		
O1	K1	Pe.C.1	-0.14	0.08	-0.09 Pe.C.2	-0.08	0.14	-0.09 Pe.C.3	-0.11	0.00
0.00					Pe.C.1	0.02	0.00	-0.09		
O2	K2				Pe.C.2	-0.02	0.00	-0.09 Pe.C.3	-0.11	0.00
0.00										
O3	K3	Pe.C.2	13.84	0.00	-51.84					
O3	K3	Pe.C.1	-13.81	0.00	-51.83			Pe.C.3	-58.31	0.02
0.00										
O4	K5				Pe.C.1	4.02	0.00	-50.81		
O4	K5				Pe.C.2	-4.08	0.00	-51.16 Pe.C.3	-57.36	0.00
-0.03										
O5	K6				Pe.C.2	4.18	0.00	-51.64		
O5	K6				Pe.C.1	-4.12	0.00	-51.68 Pe.C.3	-58.12	0.00
0.03										
O6	K8							Pe.C.3	-58.32	0.00
0.00										
O7	K9							Pe.C.1	138.33	0.00
0.00										
O7	K9							Pe.C.2	-157.43	0.00
0.00										
O8	K12							Pe.C.2	279.67	0.00
0.00										
O8	K12							Pe.C.1	-312.63	0.00
0.00										
O9	K15							Pe.C.1	138.43	0.00
0.00										
O9	K15							Pe.C.2	-157.93	0.00
0.00										
O10	K16	Pe.C.2	8.75	0.00	-51.84					
O10	K16	Pe.C.1	-8.79	0.00	-51.83			Pe.C.3	-58.31	-0.02
0.00										
O11	K18							Pe.C.3	-57.28	0.00
0.00										
O12	K19							Pe.C.3	-58.13	0.00
0.00										
O13	K21							Pe.C.3	-58.32	0.00
0.00										
O14	K22	Pe.C.2	0.12	0.00	-0.09					
O14	K22	Pe.C.1	-0.12	0.00	-0.09			Pe.C.3	-0.11	0.00
0.00										
O15	K23							Pe.C.3	-0.11	0.00
0.00										



Globale extreme waarden

O3	K3	Pe.C.2	13.84	0.00	-51.84							
O3	K3	Pe.C.1	-13.81	0.00	-51.83							
O5	K6					Pe.C.2	4.18	0.00	-51.64			
O5	K6					Pe.C.1	-4.12	0.00	-51.68			
O8	K12									Pe.C.2	279.67	0.00
0.00												
O8	K12									Pe.C.1	-312.63	0.00
0.00												
-	-	-		kN	kN	kN -	kN	kN	kN -		kN	kN
kN												

PE.C. EXTREME OPLEGREACTIES (MOMENTEN)

Oplegging	Knoop	B.C.	Mxmax	MY	MZ B.C.	Mymax	MX	MZ B.C.	Mzmax
MX	MY								
Globale extreme waarden									
-	-	-	kNm	kNm	kNm -	kNm	kNm	kNm -	kNm
kNm	kNm								

CH.C. EXTREME KNOOPVERPLAATSINGEN

Knoop	B.C.	X	Y	Rx	Ry	Rz
K1	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.001e-03	-2.079e-03
K2	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.001e-03	2.080e-03
	Ch.C.1	0.0000	0.0000	0.0000	-0.001e-03	2.080e-03
K3	Ch.C.(w1)	0.0000	0.0000	0.0000	0.003e-03	-2.079e-03
K4	Ch.C.(w1)	0.0000	0.0000	0.0005	-0.000e-03	1.570e-03
	Ch.C.1	0.0000	0.0000	0.0005	0.000e-03	1.570e-03
K5	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.001e-03	1.234e-03
	Ch.C.1	0.0000	0.0000	0.0000	-0.000e-03	1.235e-03
K6	Ch.C.(w1)	0.0000	0.0000	0.0000	0.002e-03	-1.235e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.002e-03	-1.236e-03
K7	Ch.C.(w1)	0.0000	0.0000	0.0005	0.002e-03	-1.570e-03
	Ch.C.1	0.0000	0.0000	0.0005	0.002e-03	-1.570e-03
K8	Ch.C.(w1)	0.0000	0.0000	0.0000	0.003e-03	2.080e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.003e-03	2.080e-03
K9	Ch.C.(w1)	0.0000	0.0000	0.0000	0.001e-03	-0.020e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.001e-03	0.286e-03
K10	Ch.C.(w1)	0.0000	0.0000	0.0000	0.003e-03	-0.045e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.003e-03	-0.033e-03
K11	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.001e-03	0.019e-03
	Ch.C.1	0.0000	0.0000	0.0000	-0.001e-03	0.024e-03
K12	Ch.C.(w1)	0.0000	0.0000	0.0000	0.000e-03	-0.116e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.000e-03	0.152e-03
K13	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.003e-03	-0.046e-03
	Ch.C.1	0.0000	0.0000	0.0000	-0.003e-03	-0.034e-03
K14	Ch.C.(w1)	0.0000	0.0000	0.0000	0.001e-03	0.019e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.001e-03	0.025e-03
K15	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.001e-03	-0.047e-03
	Ch.C.1	0.0000	0.0000	0.0000	-0.001e-03	0.266e-03
K16	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.003e-03	-2.079e-03
K17	Ch.C.(w1)	0.0000	0.0000	0.0005	0.000e-03	1.569e-03
	Ch.C.1	0.0000	0.0000	0.0005	0.000e-03	1.570e-03
K18	Ch.C.(w1)	0.0000	0.0000	0.0000	0.001e-03	1.234e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.001e-03	1.235e-03
K19	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.002e-03	-1.235e-03
	Ch.C.1	0.0000	0.0000	0.0000	-0.002e-03	-1.236e-03
K20	Ch.C.(w1)	0.0000	0.0000	0.0005	-0.002e-03	-1.570e-03
	Ch.C.1	0.0000	0.0000	0.0005	-0.002e-03	-1.570e-03
K21	Ch.C.(w1)	0.0000	0.0000	0.0000	-0.003e-03	2.080e-03



K22	Ch.C.(w1)	0.0000	0.0000	0.0000	0.001e-03	-2.079e-03	0.003e-03
K23	Ch.C.(w1)	0.0000	0.0000	0.0000	0.001e-03	2.080e-03	-0.005e-03
	Ch.C.1	0.0000	0.0000	0.0000	0.001e-03	2.080e-03	0.005e-03
K24	Ch.C.(w1)	0.0001	0.0000	-0.0001	0.042e-03	-0.260e-03	-0.050e-03
	Ch.C.1	-0.0002	0.0000	0.0001	-0.008e-03	0.214e-03	0.039e-03
K25	Ch.C.(w1)	0.0001	0.0000	0.0001	-0.015e-03	-0.255e-03	0.002e-03
	Ch.C.1	-0.0001	0.0000	-0.0001	0.005e-03	0.245e-03	-0.004e-03
K26	Ch.C.(w1)	0.0001	0.0000	-0.0001	-0.002e-03	-0.318e-03	0.036e-03
	Ch.C.1	-0.0001	0.0000	0.0001	-0.009e-03	0.225e-03	-0.028e-03
K27	Ch.C.(w1)	0.0003	0.0000	-0.0001	-0.006e-03	-0.447e-03	-0.044e-03
	Ch.C.1	-0.0003	0.0000	0.0001	0.009e-03	0.314e-03	0.035e-03
K28	Ch.C.(w1)	0.0003	0.0000	0.0003	0.019e-03	-0.405e-03	-0.003e-03
	Ch.C.1	-0.0003	0.0000	-0.0002	0.012e-03	0.404e-03	0.005e-03
K29	Ch.C.(w1)	0.0003	0.0000	-0.0001	-0.002e-03	-0.413e-03	0.024e-03
	Ch.C.1	-0.0003	0.0000	0.0001	-0.006e-03	0.402e-03	-0.015e-03
K30	Ch.C.(w1)	0.0005	0.0000	-0.0002	0.004e-03	-0.562e-03	-0.039e-03
	Ch.C.1	-0.0005	0.0000	0.0002	0.005e-03	0.548e-03	0.032e-03
K31	Ch.C.(w1)	0.0006	0.0000	0.0004	-0.021e-03	-0.560e-03	-0.006e-03
	Ch.C.1	-0.0005	0.0000	-0.0003	-0.012e-03	0.545e-03	0.011e-03
K32	Ch.C.(w1)	0.0006	0.0000	-0.0002	0.004e-03	-0.575e-03	0.017e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K32	Ch.C.1	-0.0005	0.0000	0.0002	-0.007e-03	0.518e-03	-0.005e-03
K33	Ch.C.(w1)	0.0009	0.0000	-0.0002	-0.000e-03	-0.722e-03	-0.036e-03
	Ch.C.1	-0.0008	0.0000	0.0003	0.004e-03	0.666e-03	0.031e-03
K34	Ch.C.(w1)	0.0009	0.0000	0.0006	0.012e-03	-0.708e-03	-0.009e-03
	Ch.C.1	-0.0008	0.0000	-0.0005	0.013e-03	0.680e-03	0.013e-03
K35	Ch.C.(w1)	0.0009	0.0000	-0.0002	-0.016e-03	-0.712e-03	0.012e-03
	Ch.C.1	-0.0008	0.0000	0.0003	-0.017e-03	0.687e-03	0.002e-03
K36	Ch.C.(w1)	0.0013	0.0000	-0.0003	0.018e-03	-0.852e-03	-0.035e-03
	Ch.C.1	-0.0012	0.0000	0.0003	0.018e-03	0.819e-03	0.028e-03
K37	Ch.C.(w1)	0.0013	0.0000	0.0007	-0.020e-03	-0.853e-03	-0.012e-03
	Ch.C.1	-0.0012	0.0000	-0.0006	-0.005e-03	0.818e-03	0.017e-03
K38	Ch.C.(w1)	0.0013	0.0000	-0.0003	0.006e-03	-0.876e-03	0.008e-03
	Ch.C.1	-0.0012	0.0000	0.0003	-0.005e-03	0.796e-03	0.007e-03
K39	Ch.C.(w1)	0.0017	0.0000	-0.0003	-0.002e-03	-1.014e-03	-0.035e-03
	Ch.C.1	-0.0016	0.0000	0.0004	0.002e-03	0.924e-03	0.029e-03
K40	Ch.C.(w1)	0.0017	0.0000	0.0008	0.014e-03	-0.997e-03	-0.014e-03
	Ch.C.1	-0.0016	0.0000	-0.0007	0.014e-03	0.955e-03	0.018e-03
K41	Ch.C.(w1)	0.0017	0.0000	-0.0003	-0.010e-03	-1.003e-03	0.005e-03
	Ch.C.1	-0.0017	0.0000	0.0004	-0.014e-03	0.959e-03	0.011e-03
K42	Ch.C.(w1)	0.0023	0.0000	-0.0003	0.014e-03	-1.140e-03	-0.036e-03
	Ch.C.1	-0.0021	0.0000	0.0004	0.011e-03	1.087e-03	0.029e-03
K43	Ch.C.(w1)	0.0023	0.0000	0.0009	-0.019e-03	-1.139e-03	-0.017e-03
	Ch.C.1	-0.0022	0.0000	-0.0008	-0.006e-03	1.088e-03	0.021e-03
K44	Ch.C.(w1)	0.0023	0.0000	-0.0003	0.005e-03	-1.161e-03	0.002e-03
	Ch.C.1	-0.0022	0.0000	0.0004	-0.005e-03	1.065e-03	0.013e-03
K45	Ch.C.(w1)	0.0029	0.0000	-0.0004	-0.001e-03	-1.295e-03	-0.037e-03
	Ch.C.1	-0.0027	0.0000	0.0005	0.003e-03	1.192e-03	0.031e-03
K46	Ch.C.(w1)	0.0029	0.0000	0.0011	0.013e-03	-1.278e-03	-0.018e-03
	Ch.C.1	-0.0027	0.0000	-0.0009	0.013e-03	1.219e-03	0.023e-03
K47	Ch.C.(w1)	0.0029	0.0000	-0.0004	-0.011e-03	-1.284e-03	-0.001e-03
	Ch.C.1	-0.0027	0.0000	0.0005	-0.014e-03	1.224e-03	0.017e-03
K48	Ch.C.(w1)	0.0035	0.0000	-0.0004	0.014e-03	-1.417e-03	-0.038e-03
	Ch.C.1	-0.0033	0.0000	0.0005	0.013e-03	1.348e-03	0.031e-03
K49	Ch.C.(w1)	0.0036	0.0000	0.0012	-0.018e-03	-1.416e-03	-0.021e-03
	Ch.C.1	-0.0034	0.0000	-0.0010	-0.005e-03	1.349e-03	0.026e-03



K50	Ch.C.(w1)	0.0036	0.0000	-0.0004	0.005e-03	-1.438e-03	-0.003e-03
	Ch.C.1	-0.0034	0.0000	0.0005	-0.004e-03	1.328e-03	0.018e-03
K51	Ch.C.(w1)	0.0043	0.0000	-0.0004	-0.001e-03	-1.567e-03	-0.039e-03
	Ch.C.1	-0.0040	0.0000	0.0006	0.003e-03	1.450e-03	0.033e-03
K52	Ch.C.(w1)	0.0043	0.0000	0.0013	0.013e-03	-1.551e-03	-0.022e-03
	Ch.C.1	-0.0041	0.0000	-0.0011	0.012e-03	1.475e-03	0.027e-03
K53	Ch.C.(w1)	0.0043	0.0000	-0.0004	-0.009e-03	-1.558e-03	-0.006e-03
	Ch.C.1	-0.0041	0.0000	0.0006	-0.014e-03	1.481e-03	0.022e-03
K54	Ch.C.(w1)	0.0051	0.0000	-0.0005	0.015e-03	-1.685e-03	-0.041e-03
	Ch.C.1	-0.0048	0.0000	0.0006	0.012e-03	1.601e-03	0.034e-03
K55	Ch.C.(w1)	0.0051	0.0000	0.0014	-0.019e-03	-1.683e-03	-0.025e-03
	Ch.C.1	-0.0048	0.0000	-0.0011	-0.004e-03	1.600e-03	0.030e-03
K56	Ch.C.(w1)	0.0051	0.0000	-0.0005	0.007e-03	-1.704e-03	-0.008e-03
	Ch.C.1	-0.0048	0.0000	0.0006	-0.005e-03	1.578e-03	0.023e-03
K57	Ch.C.(w1)	0.0060	0.0000	-0.0005	-0.000e-03	-1.829e-03	-0.042e-03
	Ch.C.1	-0.0056	0.0000	0.0007	0.004e-03	1.697e-03	0.037e-03
K58	Ch.C.(w1)	0.0060	0.0000	0.0015	0.008e-03	-1.816e-03	-0.026e-03
	Ch.C.1	-0.0057	0.0000	-0.0012	0.016e-03	1.725e-03	0.031e-03
K59	Ch.C.(w1)	0.0060	0.0000	-0.0005	-0.014e-03	-1.818e-03	-0.010e-03
	Ch.C.1	-0.0057	0.0000	0.0007	-0.008e-03	1.725e-03	0.026e-03
K60	Ch.C.(w1)	0.0069	0.0000	-0.0005	0.011e-03	-1.944e-03	-0.043e-03
	Ch.C.1	-0.0065	0.0000	0.0007	0.010e-03	1.842e-03	0.038e-03
K61	Ch.C.(w1)	0.0070	0.0000	0.0016	-0.014e-03	-1.949e-03	-0.029e-03
	Ch.C.1	-0.0066	0.0000	-0.0013	-0.002e-03	1.846e-03	0.035e-03
K62	Ch.C.(w1)	0.0070	0.0000	-0.0005	0.002e-03	-1.962e-03	-0.012e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K62	Ch.C.1	-0.0066	0.0000	0.0007	0.000e-03	1.828e-03	0.028e-03
K63	Ch.C.(w1)	0.0079	0.0000	-0.0006	-0.002e-03	-2.091e-03	-0.044e-03
	Ch.C.1	-0.0075	0.0000	0.0007	0.002e-03	1.940e-03	0.040e-03
K64	Ch.C.(w1)	0.0080	0.0000	0.0017	0.030e-03	-2.057e-03	-0.029e-03
	Ch.C.1	-0.0075	0.0000	-0.0014	0.002e-03	1.951e-03	0.036e-03
K65	Ch.C.(w1)	0.0080	0.0000	-0.0006	0.013e-03	-2.082e-03	-0.015e-03
	Ch.C.1	-0.0075	0.0000	0.0007	-0.035e-03	1.979e-03	0.032e-03
K66	Ch.C.(w1)	0.0090	0.0000	-0.0006	0.022e-03	-2.214e-03	-0.046e-03
	Ch.C.1	-0.0085	0.0000	0.0008	0.022e-03	2.092e-03	0.042e-03
K67	Ch.C.(w1)	0.0090	0.0000	0.0018	-0.019e-03	-2.194e-03	-0.030e-03
	Ch.C.1	-0.0085	0.0000	-0.0015	-0.004e-03	2.099e-03	0.038e-03
K68	Ch.C.(w1)	0.0090	0.0000	-0.0006	0.003e-03	-2.237e-03	-0.018e-03
	Ch.C.1	-0.0085	0.0000	0.0008	-0.016e-03	2.071e-03	0.036e-03
K69	Ch.C.(w1)	0.0102	0.0000	-0.0006	-0.000e-03	-2.397e-03	-0.050e-03
	Ch.C.1	-0.0096	0.0000	0.0008	-0.002e-03	2.251e-03	0.044e-03
K70	Ch.C.(w1)	0.0102	0.0000	0.0019	-0.016e-03	-2.417e-03	-0.036e-03
	Ch.C.1	-0.0096	0.0000	-0.0016	0.027e-03	2.277e-03	0.041e-03
K71	Ch.C.(w1)	0.0102	0.0000	-0.0006	-0.024e-03	-2.391e-03	-0.021e-03
	Ch.C.1	-0.0096	0.0000	0.0008	0.019e-03	2.261e-03	0.039e-03
K72	Ch.C.(w1)	0.0114	0.0000	-0.0006	0.011e-03	-2.531e-03	-0.055e-03
	Ch.C.1	-0.0107	0.0000	0.0008	0.012e-03	2.392e-03	0.046e-03
K73	Ch.C.(w1)	0.0114	0.0000	0.0020	-0.011e-03	-2.526e-03	-0.041e-03
	Ch.C.1	-0.0108	0.0000	-0.0017	-0.003e-03	2.393e-03	0.045e-03
K74	Ch.C.(w1)	0.0114	0.0000	-0.0006	0.011e-03	-2.552e-03	-0.024e-03
	Ch.C.1	-0.0108	0.0000	0.0008	-0.010e-03	2.384e-03	0.040e-03
K75	Ch.C.(w1)	0.0127	0.0000	-0.0006	0.002e-03	-2.681e-03	-0.058e-03
	Ch.C.1	-0.0120	0.0000	0.0009	0.003e-03	2.499e-03	0.050e-03
K76	Ch.C.(w1)	0.0127	0.0000	0.0021	0.018e-03	-2.663e-03	-0.044e-03
	Ch.C.1	-0.0120	0.0000	-0.0017	0.009e-03	2.523e-03	0.047e-03
K77	Ch.C.(w1)	0.0128	0.0000	-0.0006	-0.000e-03	-2.679e-03	-0.028e-03



	Ch.C.1	-0.0120	0.0000	0.0009	-0.020e-03	2.536e-03	0.044e-03
K78	Ch.C.(w1)	0.0141	0.0000	-0.0007	0.014e-03	-2.802e-03	-0.062e-03
	Ch.C.1	-0.0133	0.0000	0.0009	0.009e-03	2.650e-03	0.052e-03
K79	Ch.C.(w1)	0.0141	0.0000	0.0022	-0.014e-03	-2.806e-03	-0.047e-03
	Ch.C.1	-0.0133	0.0000	-0.0018	-0.001e-03	2.653e-03	0.051e-03
K80	Ch.C.(w1)	0.0141	0.0000	-0.0007	0.007e-03	-2.824e-03	-0.032e-03
	Ch.C.1	-0.0133	0.0000	0.0009	-0.003e-03	2.639e-03	0.047e-03
K81	Ch.C.(w1)	0.0155	0.0000	-0.0007	0.002e-03	-2.945e-03	-0.065e-03
	Ch.C.1	-0.0146	0.0000	0.0009	0.003e-03	2.753e-03	0.056e-03
K82	Ch.C.(w1)	0.0155	0.0000	0.0023	0.007e-03	-2.936e-03	-0.051e-03
	Ch.C.1	-0.0147	0.0000	-0.0019	0.014e-03	2.775e-03	0.054e-03
K83	Ch.C.(w1)	0.0156	0.0000	-0.0007	-0.005e-03	-2.942e-03	-0.036e-03
	Ch.C.1	-0.0147	0.0000	0.0009	-0.010e-03	2.780e-03	0.051e-03
K84	Ch.C.(w1)	0.0170	0.0000	-0.0007	0.014e-03	-3.062e-03	-0.068e-03
	Ch.C.1	-0.0160	0.0000	0.0009	0.010e-03	2.893e-03	0.059e-03
K85	Ch.C.(w1)	0.0171	0.0000	0.0024	-0.015e-03	-3.063e-03	-0.054e-03
	Ch.C.1	-0.0161	-0.0001	-0.0020	0.001e-03	2.894e-03	0.057e-03
K86	Ch.C.(w1)	0.0171	0.0000	-0.0007	0.008e-03	-3.081e-03	-0.040e-03
	Ch.C.1	-0.0161	0.0000	0.0010	-0.005e-03	2.880e-03	0.055e-03
K87	Ch.C.(w1)	0.0186	0.0000	-0.0007	0.002e-03	-3.198e-03	-0.072e-03
	Ch.C.1	-0.0175	0.0000	0.0010	0.003e-03	2.990e-03	0.063e-03
K88	Ch.C.(w1)	0.0186	0.0000	0.0025	0.009e-03	-3.188e-03	-0.058e-03
	Ch.C.1	-0.0175	-0.0001	-0.0020	0.013e-03	3.011e-03	0.060e-03
K89	Ch.C.(w1)	0.0186	0.0000	-0.0007	-0.004e-03	-3.196e-03	-0.044e-03
	Ch.C.1	-0.0176	0.0000	0.0010	-0.011e-03	3.019e-03	0.059e-03
K90	Ch.C.(w1)	0.0202	0.0000	-0.0007	0.014e-03	-3.308e-03	-0.075e-03
	Ch.C.1	-0.0190	0.0000	0.0010	0.009e-03	3.123e-03	0.066e-03
K91	Ch.C.(w1)	0.0202	0.0000	0.0026	-0.014e-03	-3.310e-03	-0.062e-03
	Ch.C.1	-0.0191	-0.0001	-0.0021	0.000e-03	3.125e-03	0.064e-03
K92	Ch.C.(w1)	0.0203	0.0000	-0.0007	0.008e-03	-3.328e-03	-0.048e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K92	Ch.C.1	-0.0191	0.0000	0.0010	-0.004e-03	3.112e-03	0.062e-03
K93	Ch.C.(w1)	0.0219	0.0000	-0.0007	0.003e-03	-3.437e-03	-0.078e-03
	Ch.C.1	-0.0206	0.0000	0.0010	0.003e-03	3.214e-03	0.069e-03
K94	Ch.C.(w1)	0.0219	0.0000	0.0027	0.008e-03	-3.427e-03	-0.065e-03
	Ch.C.1	-0.0207	-0.0001	-0.0022	0.013e-03	3.235e-03	0.068e-03
K95	Ch.C.(w1)	0.0220	0.0000	-0.0007	-0.003e-03	-3.435e-03	-0.052e-03
	Ch.C.1	-0.0207	0.0000	0.0010	-0.010e-03	3.242e-03	0.066e-03
K96	Ch.C.(w1)	0.0236	0.0000	-0.0007	0.013e-03	-3.540e-03	-0.081e-03
	Ch.C.1	-0.0223	0.0000	0.0010	0.009e-03	3.340e-03	0.072e-03
K97	Ch.C.(w1)	0.0237	0.0000	0.0028	-0.013e-03	-3.542e-03	-0.069e-03
	Ch.C.1	-0.0223	-0.0001	-0.0022	0.002e-03	3.341e-03	0.072e-03
K98	Ch.C.(w1)	0.0237	0.0000	-0.0007	0.009e-03	-3.559e-03	-0.057e-03
	Ch.C.1	-0.0223	0.0000	0.0010	-0.004e-03	3.330e-03	0.070e-03
K99	Ch.C.(w1)	0.0254	0.0000	-0.0007	0.003e-03	-3.660e-03	-0.084e-03
	Ch.C.1	-0.0240	0.0000	0.0010	0.003e-03	3.422e-03	0.075e-03
K100	Ch.C.(w1)	0.0255	0.0000	0.0028	0.011e-03	-3.651e-03	-0.073e-03
	Ch.C.1	-0.0240	-0.0001	-0.0023	0.013e-03	3.444e-03	0.075e-03
K101	Ch.C.(w1)	0.0255	0.0000	-0.0007	-0.002e-03	-3.660e-03	-0.061e-03
	Ch.C.1	-0.0240	0.0000	0.0010	-0.011e-03	3.452e-03	0.074e-03
K102	Ch.C.(w1)	0.0273	0.0000	-0.0007	0.016e-03	-3.757e-03	-0.088e-03
	Ch.C.1	-0.0257	0.0000	0.0010	0.008e-03	3.541e-03	0.078e-03
K103	Ch.C.(w1)	0.0273	0.0000	0.0029	-0.010e-03	-3.759e-03	-0.077e-03
	Ch.C.1	-0.0257	-0.0001	-0.0024	-0.000e-03	3.545e-03	0.079e-03
K104	Ch.C.(w1)	0.0274	0.0000	-0.0007	0.008e-03	-3.778e-03	-0.066e-03
	Ch.C.1	-0.0258	0.0000	0.0010	-0.004e-03	3.534e-03	0.078e-03



K105	Ch.C.(w1)	0.0292	0.0000	-0.0007	0.005e-03	-3.870e-03	-0.090e-03
	Ch.C.1	-0.0275	0.0000	0.0010	0.001e-03	3.627e-03	0.080e-03
K106	Ch.C.(w1)	0.0292	0.0000	0.0030	0.003e-03	-3.868e-03	-0.082e-03
	Ch.C.1	-0.0275	-0.0001	-0.0024	0.012e-03	3.641e-03	0.082e-03
K107	Ch.C.(w1)	0.0293	0.0000	-0.0007	0.000e-03	-3.872e-03	-0.072e-03
	Ch.C.1	-0.0276	0.0000	0.0010	-0.004e-03	3.646e-03	0.083e-03
K108	Ch.C.(w1)	0.0312	-0.0001	-0.0007	0.006e-03	-3.962e-03	-0.093e-03
	Ch.C.1	-0.0293	0.0000	0.0010	0.016e-03	3.738e-03	0.082e-03
K109	Ch.C.(w1)	0.0312	0.0000	0.0030	-0.026e-03	-3.956e-03	-0.087e-03
	Ch.C.1	-0.0294	-0.0001	-0.0025	0.009e-03	3.726e-03	0.085e-03
K110	Ch.C.(w1)	0.0312	0.0000	-0.0007	0.012e-03	-3.975e-03	-0.077e-03
	Ch.C.1	-0.0294	0.0000	0.0010	-0.002e-03	3.714e-03	0.086e-03
K111	Ch.C.(w1)	0.0332	0.0000	-0.0007	0.005e-03	-4.074e-03	-0.095e-03
	Ch.C.1	-0.0312	0.0000	0.0010	0.022e-03	3.792e-03	0.084e-03
K112	Ch.C.(w1)	0.0332	0.0000	0.0031	0.014e-03	-4.038e-03	-0.091e-03
	Ch.C.1	-0.0313	-0.0001	-0.0025	0.015e-03	3.831e-03	0.089e-03
K113	Ch.C.(w1)	0.0333	0.0000	-0.0007	-0.015e-03	-4.077e-03	-0.082e-03
	Ch.C.1	-0.0313	0.0000	0.0010	-0.022e-03	3.832e-03	0.090e-03
K114	Ch.C.(w1)	0.0353	-0.0001	-0.0007	0.018e-03	-4.247e-03	-0.096e-03
	Ch.C.1	-0.0332	0.0000	0.0010	-0.003e-03	3.998e-03	0.086e-03
K115	Ch.C.(w1)	0.0353	0.0000	0.0032	0.010e-03	-4.274e-03	-0.095e-03
	Ch.C.1	-0.0332	-0.0001	-0.0026	-0.012e-03	4.015e-03	0.096e-03
K116	Ch.C.(w1)	0.0353	-0.0001	-0.0007	0.012e-03	-4.294e-03	-0.093e-03
	Ch.C.1	-0.0333	0.0000	0.0011	-0.000e-03	4.027e-03	0.104e-03
K117	Ch.C.(w1)	0.0374	0.0000	-0.0007	0.004e-03	-4.402e-03	-0.095e-03
	Ch.C.1	-0.0352	0.0000	0.0011	0.007e-03	4.105e-03	0.088e-03
K118	Ch.C.(w1)	0.0375	0.0000	0.0033	0.007e-03	-4.373e-03	-0.100e-03
	Ch.C.1	-0.0353	-0.0001	-0.0026	0.023e-03	4.123e-03	0.103e-03
K119	Ch.C.(w1)	0.0375	0.0000	-0.0007	0.008e-03	-4.392e-03	-0.106e-03
	Ch.C.1	-0.0353	0.0000	0.0011	-0.027e-03	4.135e-03	0.121e-03
K120	Ch.C.(w1)	0.0396	-0.0001	-0.0006	0.018e-03	-4.508e-03	-0.093e-03
	Ch.C.1	-0.0373	0.0000	0.0011	0.019e-03	4.246e-03	0.087e-03
K121	Ch.C.(w1)	0.0397	0.0000	0.0034	-0.029e-03	-4.503e-03	-0.106e-03
	Ch.C.1	-0.0374	-0.0001	-0.0027	0.008e-03	4.243e-03	0.110e-03
K122	Ch.C.(w1)	0.0397	-0.0001	-0.0006	0.011e-03	-4.532e-03	-0.121e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K122	Ch.C.1	-0.0374	0.0000	0.0011	-0.003e-03	4.221e-03	0.135e-03
K123	Ch.C.(w1)	0.0419	-0.0001	-0.0006	0.005e-03	-4.644e-03	-0.088e-03
	Ch.C.1	-0.0394	0.0000	0.0011	0.004e-03	4.332e-03	0.083e-03
K124	Ch.C.(w1)	0.0420	0.0000	0.0035	0.011e-03	-4.636e-03	-0.113e-03
	Ch.C.1	-0.0395	-0.0001	-0.0028	0.020e-03	4.361e-03	0.117e-03
K125	Ch.C.(w1)	0.0421	-0.0001	-0.0006	-0.005e-03	-4.645e-03	-0.138e-03
	Ch.C.1	-0.0396	0.0000	0.0011	-0.008e-03	4.370e-03	0.152e-03
K126	Ch.C.(w1)	0.0443	-0.0001	-0.0006	0.019e-03	-4.750e-03	-0.078e-03
	Ch.C.1	-0.0417	0.0000	0.0011	0.011e-03	4.465e-03	0.074e-03
K127	Ch.C.(w1)	0.0443	0.0000	0.0035	-0.014e-03	-4.753e-03	-0.121e-03
	Ch.C.1	-0.0417	-0.0001	-0.0028	0.004e-03	4.467e-03	0.124e-03
K128	Ch.C.(w1)	0.0444	-0.0001	-0.0006	0.015e-03	-4.777e-03	-0.161e-03
	Ch.C.1	-0.0418	0.0000	0.0011	-0.006e-03	4.456e-03	0.173e-03
K129	Ch.C.(w1)	0.0467	-0.0001	-0.0006	0.004e-03	-4.876e-03	-0.061e-03
	Ch.C.1	-0.0439	0.0000	0.0011	0.006e-03	4.540e-03	0.059e-03
K130	Ch.C.(w1)	0.0467	0.0000	0.0036	0.015e-03	-4.860e-03	-0.127e-03
	Ch.C.1	-0.0440	-0.0001	-0.0029	0.022e-03	4.569e-03	0.128e-03
K131	Ch.C.(w1)	0.0468	-0.0001	-0.0006	-0.000e-03	-4.874e-03	-0.194e-03
	Ch.C.1	-0.0441	0.0000	0.0011	-0.015e-03	4.582e-03	0.204e-03
K132	Ch.C.(w1)	0.0492	-0.0001	-0.0006	0.020e-03	-4.966e-03	-0.031e-03



	Ch.C.1	-0.0462	0.0000	0.0011	0.018e-03	4.662e-03	0.029e-03
K133	Ch.C.(w1)	0.0492	0.0000	0.0037	-0.018e-03	-4.963e-03	-0.138e-03
	Ch.C.1	-0.0463	-0.0001	-0.0029	0.003e-03	4.667e-03	0.137e-03
K134	Ch.C.(w1)	0.0493	-0.0001	-0.0006	0.014e-03	-4.996e-03	-0.238e-03
	Ch.C.1	-0.0463	0.0000	0.0011	-0.006e-03	4.650e-03	0.242e-03
K135	Ch.C.(w1)	0.0516	-0.0001	-0.0006	0.004e-03	-5.069e-03	0.014e-03
	Ch.C.1	-0.0486	0.0000	0.0010	0.007e-03	4.741e-03	-0.015e-03
K136	Ch.C.(w1)	0.0517	0.0000	0.0037	0.001e-03	-5.069e-03	-0.143e-03
	Ch.C.1	-0.0486	-0.0001	-0.0029	0.010e-03	4.746e-03	0.136e-03
K137	Ch.C.(w1)	0.0518	-0.0001	-0.0005	0.012e-03	-5.082e-03	-0.306e-03
	Ch.C.1	-0.0487	0.0000	0.0010	-0.010e-03	4.762e-03	0.302e-03
K138	Ch.C.(w1)	0.0542	-0.0001	-0.0005	0.012e-03	-5.150e-03	0.094e-03
	Ch.C.1	-0.0510	0.0000	0.0010	0.015e-03	4.841e-03	-0.093e-03
K139	Ch.C.(w1)	0.0543	0.0001	0.0038	-0.017e-03	-5.161e-03	-0.162e-03
	Ch.C.1	-0.0510	-0.0001	-0.0030	0.003e-03	4.825e-03	0.147e-03
K140	Ch.C.(w1)	0.0544	-0.0001	-0.0005	0.026e-03	-5.181e-03	-0.397e-03
	Ch.C.1	-0.0511	0.0000	0.0010	-0.003e-03	4.828e-03	0.382e-03
K141	Ch.C.(w1)	0.0568	-0.0001	-0.0005	0.007e-03	-5.284e-03	0.209e-03
	Ch.C.1	-0.0534	0.0000	0.0010	0.020e-03	4.841e-03	-0.200e-03
K142	Ch.C.(w1)	0.0569	0.0000	0.0038	0.052e-03	-5.204e-03	-0.159e-03
	Ch.C.1	-0.0535	-0.0001	-0.0030	0.060e-03	4.937e-03	0.139e-03
K143	Ch.C.(w1)	0.0570	-0.0001	-0.0005	-0.027e-03	-5.238e-03	-0.545e-03
	Ch.C.1	-0.0536	0.0000	0.0010	-0.041e-03	4.934e-03	0.514e-03
K144	Ch.C.(w1)	0.0595	-0.0001	-0.0005	-0.009e-03	-5.346e-03	0.405e-03
	Ch.C.1	-0.0558	0.0000	0.0010	-0.007e-03	4.931e-03	-0.394e-03
K145	Ch.C.(w1)	0.0595	0.0000	0.0038	0.037e-03	-5.308e-03	-0.198e-03
	Ch.C.1	-0.0559	-0.0002	-0.0030	0.054e-03	4.979e-03	0.158e-03
K146	Ch.C.(w1)	0.0596	-0.0001	-0.0004	0.003e-03	-5.313e-03	-0.750e-03
	Ch.C.1	-0.0560	0.0000	0.0010	-0.027e-03	4.984e-03	0.689e-03
K147	Ch.C.(w1)	0.0621	-0.0001	-0.0004	-0.043e-03	-5.300e-03	0.661e-03
	Ch.C.1	-0.0583	0.0000	0.0010	-0.041e-03	5.172e-03	-0.679e-03
K148	Ch.C.(w1)	0.0622	0.0000	0.0039	-0.104e-03	-5.510e-03	-0.205e-03
	Ch.C.1	-0.0584	-0.0002	-0.0030	-0.091e-03	4.907e-03	0.098e-03
K149	Ch.C.(w1)	0.0623	-0.0001	-0.0004	0.163e-03	-5.431e-03	-1.111e-03
	Ch.C.1	-0.0585	0.0000	0.0010	0.069e-03	5.028e-03	0.973e-03
K150	Ch.C.(w1)	0.0648	-0.0001	-0.0004	0.163e-03	-5.308e-03	1.109e-03
	Ch.C.1	-0.0610	0.0000	0.0009	0.328e-03	5.317e-03	-1.180e-03
K151	Ch.C.(w1)	0.0650	0.0001	0.0039	-0.330e-03	-5.328e-03	-0.329e-03
	Ch.C.1	-0.0609	-0.0001	-0.0031	-0.301e-03	5.192e-03	0.097e-03
K152	Ch.C.(w1)	0.0650	-0.0002	-0.0004	0.092e-03	-5.754e-03	-1.622e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K152	Ch.C.1	-0.0610	-0.0001	0.0009	0.028e-03	4.960e-03	1.350e-03
K153	Ch.C.(w1)	0.0685	-0.0004	-0.0006	-1.201e-03	-4.850e-03	3.152e-03
	Ch.C.1	-0.0641	-0.0010	0.0018	-1.499e-03	5.153e-03	-3.129e-03
K154	Ch.C.(w1)	0.0675	-0.0002	-0.0003	0.216e-03	-5.746e-03	1.761e-03
	Ch.C.1	-0.0636	-0.0002	0.0009	0.364e-03	4.902e-03	-1.842e-03
K155	Ch.C.(w1)	0.0675	0.0002	0.0039	0.115e-03	-5.019e-03	-0.288e-03
	Ch.C.1	-0.0636	0.0000	-0.0031	0.133e-03	5.587e-03	0.001e-03
K156	Ch.C.(w1)	0.0670	0.0003	0.0061	0.174e-03	-6.713e-03	-0.370e-03
	Ch.C.1	-0.0645	0.0000	-0.0041	0.316e-03	2.684e-03	0.120e-03
K157	Ch.C.(w1)	0.0679	-0.0001	-0.0003	-0.320e-03	-5.643e-03	-2.442e-03
	Ch.C.1	-0.0635	0.0000	0.0009	-0.388e-03	5.112e-03	2.050e-03
K158	Ch.C.(w1)	0.0690	0.0000	-0.0005	1.120e-03	-4.438e-03	-3.742e-03
	Ch.C.1	-0.0642	0.0008	0.0017	1.112e-03	5.332e-03	3.328e-03
K159	Ch.C.(w1)	0.0686	-0.0003	-0.0006	-1.201e-03	-4.850e-03	3.152e-03
	Ch.C.1	-0.0642	-0.0010	0.0018	-1.499e-03	5.153e-03	-3.129e-03



K160	Ch.C.(w1)	0.0691	0.0000	-0.0005	1.120e-03	-4.438e-03	-3.742e-03
	Ch.C.1	-0.0643	0.0008	0.0017	1.112e-03	5.332e-03	3.328e-03
K161	Ch.C.(w1)	0.0672	0.0003	0.0061	0.174e-03	-6.713e-03	-0.370e-03
	Ch.C.1	-0.0646	0.0000	-0.0041	0.316e-03	2.684e-03	0.120e-03
K162	Ch.C.(w1)	0.0705	0.0001	-0.0006	-1.201e-03	-5.251e-03	3.152e-03
	Ch.C.1	-0.0662	-0.0004	0.0018	-1.499e-03	5.553e-03	-3.129e-03
K163	Ch.C.(w1)	0.0698	-0.0002	-0.0003	-0.836e-03	-5.418e-03	2.719e-03
	Ch.C.1	-0.0655	-0.0001	0.0009	-1.144e-03	5.155e-03	-2.708e-03
K164	Ch.C.(w1)	0.0700	-0.0001	-0.0003	0.668e-03	-4.798e-03	-3.301e-03
	Ch.C.1	-0.0656	0.0000	0.0009	0.594e-03	5.569e-03	2.898e-03
K165	Ch.C.(w1)	0.0708	-0.0004	-0.0005	1.120e-03	-4.838e-03	-3.742e-03
	Ch.C.1	-0.0663	0.0004	0.0017	1.112e-03	5.732e-03	3.328e-03
K166	Ch.C.(w1)	0.0698	0.0001	0.0040	0.439e-03	-6.742e-03	-0.358e-03
	Ch.C.1	-0.0657	-0.0001	-0.0031	0.442e-03	4.076e-03	0.109e-03
K167	Ch.C.(w1)	0.0698	0.0002	0.0061	0.174e-03	-7.377e-03	-0.370e-03
	Ch.C.1	-0.0657	-0.0002	-0.0041	0.316e-03	3.348e-03	0.120e-03
K168	Ch.C.(w1)	0.0703	-0.0001	-0.0003	-0.642e-03	-5.447e-03	2.451e-03
	Ch.C.1	-0.0660	0.0000	0.0009	-0.911e-03	5.032e-03	-2.427e-03
K169	Ch.C.(w1)	0.0704	0.0000	0.0040	0.420e-03	-6.378e-03	-0.354e-03
	Ch.C.1	-0.0661	-0.0002	-0.0031	0.429e-03	4.306e-03	0.138e-03
K170	Ch.C.(w1)	0.0705	-0.0001	-0.0003	0.472e-03	-4.863e-03	-2.988e-03
	Ch.C.1	-0.0662	0.0000	0.0009	0.401e-03	5.431e-03	2.629e-03
K171	Ch.C.(w1)	0.0722	0.0004	-0.0006	-0.438e-03	-6.010e-03	3.351e-03
	Ch.C.1	-0.0679	-0.0001	0.0018	-0.560e-03	5.754e-03	-3.290e-03
K172	Ch.C.(w1)	0.0724	-0.0007	-0.0005	0.467e-03	-5.749e-03	-3.924e-03
	Ch.C.1	-0.0681	0.0002	0.0017	0.274e-03	5.727e-03	3.537e-03
K173	Ch.C.(w1)	0.0719	0.0002	0.0061	-0.011e-03	-6.570e-03	-0.355e-03
	Ch.C.1	-0.0669	-0.0002	-0.0041	0.230e-03	4.963e-03	0.153e-03
K174	Ch.C.(w1)	0.0731	0.0000	-0.0002	0.122e-03	-5.571e-03	1.637e-03
	Ch.C.1	-0.0685	0.0001	0.0008	0.148e-03	5.084e-03	-1.471e-03
K175	Ch.C.(w1)	0.0733	-0.0001	0.0040	0.149e-03	-5.394e-03	-0.016e-03
	Ch.C.1	-0.0686	-0.0003	-0.0031	-0.138e-03	5.341e-03	0.027e-03
K176	Ch.C.(w1)	0.0732	-0.0001	-0.0002	-0.077e-03	-5.695e-03	-2.218e-03
	Ch.C.1	-0.0688	0.0000	0.0009	-0.155e-03	5.223e-03	2.082e-03
K177	Ch.C.(w1)	0.0759	0.0003	-0.0006	0.316e-03	-6.366e-03	3.748e-03
	Ch.C.1	-0.0713	-0.0002	0.0018	0.527e-03	5.581e-03	-3.611e-03
K178	Ch.C.(w1)	0.0761	-0.0007	-0.0005	-0.130e-03	-6.270e-03	-4.288e-03
	Ch.C.1	-0.0714	0.0003	0.0017	-0.657e-03	5.329e-03	3.955e-03
K179	Ch.C.(w1)	0.0754	0.0003	0.0061	-0.232e-03	-5.333e-03	-0.325e-03
	Ch.C.1	-0.0704	-0.0003	-0.0041	0.141e-03	6.243e-03	0.219e-03
K180	Ch.C.(w1)	0.0758	-0.0001	-0.0002	0.008e-03	-5.409e-03	1.654e-03
	Ch.C.1	-0.0711	0.0000	0.0008	0.542e-03	5.433e-03	-1.553e-03
K181	Ch.C.(w1)	0.0760	0.0000	0.0040	-0.406e-03	-5.335e-03	-0.255e-03
	Ch.C.1	-0.0712	-0.0001	-0.0031	-0.415e-03	5.272e-03	0.191e-03
K182	Ch.C.(w1)	0.0761	-0.0001	-0.0002	0.013e-03	-6.130e-03	-2.104e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K182	Ch.C.1	-0.0714	0.0000	0.0008	0.074e-03	5.166e-03	1.956e-03
K183	Ch.C.(w1)	0.0788	-0.0001	-0.0002	0.221e-03	-6.726e-03	2.243e-03
	Ch.C.1	-0.0740	-0.0002	0.0008	0.114e-03	6.134e-03	-2.192e-03
K184	Ch.C.(w1)	0.0787	0.0003	0.0040	-0.642e-03	-5.933e-03	-0.116e-03
	Ch.C.1	-0.0740	-0.0001	-0.0031	0.559e-03	6.059e-03	-0.010e-03
K185	Ch.C.(w1)	0.0792	-0.0001	-0.0001	0.341e-03	-6.084e-03	-3.004e-03
	Ch.C.1	-0.0740	0.0000	0.0008	-0.501e-03	5.447e-03	2.750e-03
K186	Ch.C.(w1)	0.0795	0.0005	0.0061	-0.218e-03	-5.488e-03	-0.285e-03
	Ch.C.1	-0.0751	-0.0005	-0.0041	0.199e-03	4.926e-03	0.307e-03
K187	Ch.C.(w1)	0.0827	-0.0010	-0.0005	1.229e-03	-5.643e-03	-4.957e-03



	Ch.C.1	-0.0774	0.0009	0.0017	0.209e-03	6.188e-03	4.722e-03
K188	Ch.C.(w1)	0.0833	0.0005	-0.0006	-1.266e-03	-5.871e-03	4.541e-03
	Ch.C.1	-0.0782	-0.0006	0.0018	-0.470e-03	6.385e-03	-4.253e-03
K189	Ch.C.(w1)	0.0821	-0.0001	-0.0001	-1.257e-03	-5.682e-03	4.298e-03
	Ch.C.1	-0.0771	0.0000	0.0007	-0.606e-03	5.983e-03	-4.020e-03
K190	Ch.C.(w1)	0.0820	0.0004	0.0041	0.100e-03	-6.777e-03	-0.278e-03
	Ch.C.1	-0.0768	-0.0005	-0.0031	0.426e-03	3.430e-03	0.362e-03
K191	Ch.C.(w1)	0.0820	0.0005	0.0062	-0.078e-03	-6.922e-03	-0.265e-03
	Ch.C.1	-0.0768	-0.0006	-0.0041	0.302e-03	3.556e-03	0.350e-03
K192	Ch.C.(w1)	0.0820	-0.0005	-0.0001	1.068e-03	-5.226e-03	-4.673e-03
	Ch.C.1	-0.0768	0.0002	0.0008	0.359e-03	5.941e-03	4.455e-03
K193	Ch.C.(w1)	0.0851	0.0009	-0.0006	-1.266e-03	-6.135e-03	4.541e-03
	Ch.C.1	-0.0801	-0.0005	0.0018	-0.470e-03	6.650e-03	-4.253e-03
K194	Ch.C.(w1)	0.0841	0.0005	0.0062	-0.078e-03	-7.360e-03	-0.265e-03
	Ch.C.1	-0.0779	-0.0007	-0.0041	0.302e-03	3.995e-03	0.350e-03
K195	Ch.C.(w1)	0.0851	-0.0015	-0.0005	1.229e-03	-6.114e-03	-4.957e-03
	Ch.C.1	-0.0800	0.0008	0.0017	0.209e-03	6.659e-03	4.722e-03
K196	Ch.C.(w1)	0.0847	0.0001	-0.0001	0.174e-03	-5.066e-03	2.123e-03
	Ch.C.1	-0.0792	-0.0001	0.0007	0.240e-03	4.160e-03	-1.877e-03
K197	Ch.C.(w1)	0.0846	0.0001	0.0041	0.810e-03	-5.032e-03	-0.065e-03
	Ch.C.1	-0.0791	-0.0005	-0.0031	-0.316e-03	5.601e-03	0.280e-03
K198	Ch.C.(w1)	0.0847	-0.0001	0.0000	-0.838e-03	-5.595e-03	-2.624e-03
	Ch.C.1	-0.0796	0.0000	0.0007	0.153e-03	5.179e-03	2.593e-03
K199	Ch.C.(w1)	0.0874	-0.0001	0.0000	0.470e-03	-5.682e-03	1.069e-03
	Ch.C.1	-0.0817	0.0000	0.0007	-0.204e-03	5.529e-03	-0.854e-03
K200	Ch.C.(w1)	0.0874	-0.0001	0.0041	-0.087e-03	-5.973e-03	-0.183e-03
	Ch.C.1	-0.0820	-0.0003	-0.0031	-0.362e-03	5.643e-03	0.405e-03
K201	Ch.C.(w1)	0.0875	0.0000	0.0000	0.182e-03	-5.770e-03	-1.386e-03
	Ch.C.1	-0.0821	0.0000	0.0007	-0.053e-03	5.092e-03	1.488e-03
K202	Ch.C.(w1)	0.0903	-0.0002	0.0000	-0.078e-03	-5.903e-03	0.361e-03
	Ch.C.1	-0.0845	0.0000	0.0006	0.055e-03	5.623e-03	-0.271e-03
K203	Ch.C.(w1)	0.0904	0.0000	0.0041	-0.173e-03	-5.910e-03	-0.149e-03
	Ch.C.1	-0.0847	-0.0002	-0.0031	0.014e-03	5.331e-03	0.245e-03
K204	Ch.C.(w1)	0.0904	-0.0002	0.0001	0.297e-03	-5.908e-03	-0.942e-03
	Ch.C.1	-0.0847	0.0000	0.0006	-0.132e-03	5.470e-03	0.979e-03
K205	Ch.C.(w1)	0.0932	-0.0002	0.0001	-0.080e-03	-5.901e-03	0.023e-03
	Ch.C.1	-0.0873	0.0000	0.0006	0.136e-03	5.479e-03	-0.005e-03
K206	Ch.C.(w1)	0.0933	0.0000	0.0041	-0.051e-03	-5.771e-03	-0.289e-03
	Ch.C.1	-0.0874	-0.0002	-0.0031	0.087e-03	5.423e-03	0.304e-03
K207	Ch.C.(w1)	0.0935	-0.0003	0.0001	-0.016e-03	-6.422e-03	-0.744e-03
	Ch.C.1	-0.0876	0.0000	0.0006	0.013e-03	5.973e-03	0.732e-03
K208	Ch.C.(w1)	0.0961	-0.0001	0.0001	0.038e-03	-5.886e-03	-0.132e-03
	Ch.C.1	-0.0900	-0.0001	0.0005	-0.002e-03	5.404e-03	0.136e-03
K209	Ch.C.(w1)	0.0962	0.0000	0.0041	0.071e-03	-5.843e-03	-0.333e-03
	Ch.C.1	-0.0901	-0.0003	-0.0031	0.050e-03	5.496e-03	0.339e-03
K210	Ch.C.(w1)	0.0967	-0.0002	0.0002	-0.013e-03	-5.843e-03	-0.687e-03
	Ch.C.1	-0.0906	-0.0001	0.0005	-0.027e-03	5.477e-03	0.680e-03
K211	Ch.C.(w1)	0.0991	-0.0002	0.0002	0.073e-03	-5.836e-03	-0.236e-03
	Ch.C.1	-0.0928	-0.0001	0.0005	-0.015e-03	5.455e-03	0.242e-03
K212	Ch.C.(w1)	0.0992	0.0000	0.0041	0.013e-03	-5.875e-03	-0.303e-03
Knoop	B.C.	X	Y		Rx	Ry	Rz
K212	Ch.C.1	-0.0929	-0.0003	-0.0031	-0.012e-03	5.476e-03	0.317e-03
K213	Ch.C.(w1)	0.0993	-0.0003	0.0002	0.053e-03	-5.367e-03	-0.521e-03
	Ch.C.1	-0.0930	0.0000	0.0005	-0.017e-03	4.949e-03	0.528e-03
K214	Ch.C.(w1)	0.1020	-0.0002	0.0003	0.012e-03	-5.893e-03	-0.250e-03
	Ch.C.1	-0.0955	-0.0001	0.0004	0.018e-03	5.458e-03	0.257e-03



K215	Ch.C.(w1)	0.1021	0.0000	0.0041	0.021e-03	-5.885e-03	-0.287e-03
	Ch.C.1	-0.0956	-0.0003	-0.0031	0.029e-03	5.495e-03	0.301e-03
K216	Ch.C.(w1)	0.1022	-0.0002	0.0003	-0.128e-03	-5.909e-03	-0.378e-03
	Ch.C.1	-0.0957	-0.0001	0.0004	0.126e-03	5.517e-03	0.392e-03
K217	Ch.C.(w1)	0.1050	-0.0002	0.0003	0.019e-03	-5.905e-03	-0.253e-03
	Ch.C.1	-0.0982	-0.0001	0.0004	0.049e-03	5.517e-03	0.255e-03
K218	Ch.C.(w1)	0.1051	0.0000	0.0041	-0.000e-03	-5.884e-03	-0.291e-03
	Ch.C.1	-0.0983	-0.0003	-0.0031	-0.007e-03	5.504e-03	0.300e-03
K219	Ch.C.(w1)	0.1052	-0.0002	0.0003	0.041e-03	-6.027e-03	-0.337e-03
	Ch.C.1	-0.0984	-0.0001	0.0004	-0.014e-03	5.575e-03	0.349e-03
K220	Ch.C.(w1)	0.1079	-0.0002	0.0004	0.012e-03	-5.946e-03	-0.260e-03
	Ch.C.1	-0.1010	-0.0001	0.0003	0.020e-03	5.511e-03	0.260e-03
K221	Ch.C.(w1)	0.1080	0.0000	0.0041	0.036e-03	-5.898e-03	-0.302e-03
	Ch.C.1	-0.1011	-0.0003	-0.0031	0.019e-03	5.508e-03	0.307e-03
K222	Ch.C.(w1)	0.1082	-0.0002	0.0004	0.055e-03	-5.927e-03	-0.333e-03
	Ch.C.1	-0.1012	-0.0001	0.0003	-0.051e-03	5.531e-03	0.342e-03
K223	Ch.C.(w1)	0.1109	-0.0002	0.0004	0.070e-03	-5.903e-03	-0.275e-03
	Ch.C.1	-0.1038	-0.0001	0.0003	-0.024e-03	5.516e-03	0.274e-03
K224	Ch.C.(w1)	0.1110	0.0000	0.0041	0.009e-03	-5.916e-03	-0.292e-03
	Ch.C.1	-0.1038	-0.0003	-0.0031	-0.003e-03	5.513e-03	0.297e-03
K225	Ch.C.(w1)	0.1111	-0.0002	0.0004	0.031e-03	-5.870e-03	-0.332e-03
	Ch.C.1	-0.1040	-0.0001	0.0003	0.009e-03	5.443e-03	0.340e-03
K226	Ch.C.(w1)	0.1138	-0.0002	0.0005	0.039e-03	-5.834e-03	-0.289e-03
	Ch.C.1	-0.1065	-0.0001	0.0002	0.039e-03	5.362e-03	0.293e-03
K227	Ch.C.(w1)	0.1139	-0.0001	0.0022	0.019e-03	-5.866e-03	-0.295e-03
	Ch.C.1	-0.1066	-0.0002	-0.0013	0.010e-03	5.456e-03	0.309e-03
K228	Ch.C.(w1)	0.1139	0.0000	0.0041	0.034e-03	-5.884e-03	-0.298e-03
	Ch.C.1	-0.1066	-0.0003	-0.0031	0.025e-03	5.541e-03	0.305e-03
K229	Ch.C.(w1)	0.1140	-0.0002	0.0005	-0.099e-03	-5.880e-03	-0.308e-03
	Ch.C.1	-0.1067	-0.0001	0.0002	0.047e-03	5.458e-03	0.319e-03
K230	Ch.C.(w1)	0.1169	-0.0001	0.0022	0.019e-03	-6.100e-03	-0.295e-03
	Ch.C.1	-0.1094	-0.0002	-0.0013	0.010e-03	5.690e-03	0.309e-03
K231	Ch.C.(w1)	0.1233	-0.0002	0.0022	0.019e-03	-6.575e-03	-0.295e-03
	Ch.C.1	-0.1154	-0.0002	-0.0013	0.010e-03	6.165e-03	0.309e-03
K232	Ch.C.(w1)	0.1266	-0.0002	0.0022	0.019e-03	-6.581e-03	-0.295e-03
	Ch.C.1	-0.1184	-0.0002	-0.0013	0.010e-03	6.172e-03	0.309e-03
-	-	m	m	m	rad	rad	rad

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Veld	Toetsing	Combinatie	Artikel	UC max
C1-V1 (0.000-2.000)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.28
C1-V1 (0.000-2.000)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C1-V1 (0.000-2.000)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C1-V1 (0.000-2.000)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.29
C1-V1 (0.000-2.000)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C2-V1 (0.000-0.350)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.23
C2-V1 (0.000-0.350)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C2-V1 (0.000-0.350)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C2-V1 (0.000-0.350)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C2-V1 (0.000-0.350)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C3-V1 (0.000-1.299)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.20
C3-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C3-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C3-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19



C3-V1 (0.000-1.299)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C4-V1 (0.000-0.350)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.23
C4-V1 (0.000-0.350)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C4-V1 (0.000-0.350)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C4-V1 (0.000-0.350)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.12
C4-V1 (0.000-0.350)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C5-V1 (0.000-2.000)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.28
C5-V1 (0.000-2.000)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C5-V1 (0.000-2.000)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C5-V1 (0.000-2.000)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.26
C5-V1 (0.000-2.000)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C6-V1 (0.000-1.299)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.1)	0.02
C6-V1 (0.000-1.299)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C6-V1 (0.000-1.299)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C6-V1 (0.000-1.299)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C6-V1 (0.000-1.299)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C7-V1 (0.000-1.299)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.1)	0.02
C7-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C7-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C7-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C7-V1 (0.000-1.299)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C8-V1 (0.000-2.000)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.28
C8-V1 (0.000-2.000)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C8-V1 (0.000-2.000)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C8-V1 (0.000-2.000)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.27
C8-V1 (0.000-2.000)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C9-V1 (0.000-0.350)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.23
C9-V1 (0.000-0.350)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C9-V1 (0.000-0.350)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C9-V1 (0.000-0.350)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C9-V1 (0.000-0.350)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C10-V1 (0.000-1.299)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.20
C10-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C10-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C10-V1 (0.000-1.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C10-V1 (0.000-1.299)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C11-V1 (0.000-0.350)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.23
C11-V1 (0.000-0.350)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C11-V1 (0.000-0.350)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C11-V1 (0.000-0.350)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.13
C11-V1 (0.000-0.350)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C12-V1 (0.000-2.000)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.28
C12-V1 (0.000-2.000)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C12-V1 (0.000-2.000)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C12-V1 (0.000-2.000)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.29
C12-V1 (0.000-2.000)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C13-V1 (0.000-0.975)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.00
C13-V1 (0.000-0.975)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C13-V1 (0.000-0.975)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C13-V1 (0.000-0.975)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.00
C13-V1 (0.000-0.975)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C14-V1 (0.000-2.050)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.00
C14-V1 (0.000-2.050)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C14-V1 (0.000-2.050)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00



C14-V1 (0.000-2.050)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.00
C14-V1 (0.000-2.050)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C15-V1 (0.000-0.975)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.00
C15-V1 (0.000-0.975)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C16-V1 (0.000-0.275)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.1)	0.11
C16-V1 (0.000-0.275)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C16-V1 (0.000-0.275)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C16-V1 (0.000-0.275)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C16-V1 (0.000-0.275)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C17-V1 (0.000-0.352)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.03
C17-V1 (0.000-0.352)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C17-V1 (0.000-0.352)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C17-V1 (0.000-0.352)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.03
C17-V1 (0.000-0.352)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C18-V1 (0.000-0.796)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C18-V1 (0.000-0.796)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C18-V1 (0.000-0.796)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C18-V1 (0.000-0.796)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C18-V1 (0.000-0.796)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C19-V1 (0.000-0.352)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C19-V1 (0.000-0.352)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C19-V1 (0.000-0.352)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C19-V1 (0.000-0.352)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C19-V1 (0.000-0.352)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C20-V1 (0.000-0.275)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.1)	0.08
C20-V1 (0.000-0.275)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C20-V1 (0.000-0.275)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C20-V1 (0.000-0.275)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C20-V1 (0.000-0.275)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C21-V1 (0.000-0.627)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C21-V1 (0.000-0.627)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C21-V1 (0.000-0.627)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C21-V1 (0.000-0.627)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C21-V1 (0.000-0.627)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C22-V1 (0.000-0.398)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C22-V1 (0.000-0.398)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C22-V1 (0.000-0.398)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C22-V1 (0.000-0.398)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C22-V1 (0.000-0.398)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C23-V1 (0.000-0.398)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C23-V1 (0.000-0.398)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C23-V1 (0.000-0.398)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C23-V1 (0.000-0.398)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C23-V1 (0.000-0.398)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C24-V1 (0.000-0.627)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C24-V1 (0.000-0.627)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C24-V1 (0.000-0.627)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C24-V1 (0.000-0.627)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C24-V1 (0.000-0.627)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C25-V1 (0.000-0.975)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.00
C25-V1 (0.000-0.975)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C25-V1 (0.000-0.975)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C25-V1 (0.000-0.975)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.00



C25-V1 (0.000-0.975)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C26-V1 (0.000-2.050)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.00
C26-V1 (0.000-2.050)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C26-V1 (0.000-2.050)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C26-V1 (0.000-2.050)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.00
C26-V1 (0.000-2.050)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C27-V1 (0.000-0.975)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.17)	0.00
C27-V1 (0.000-0.975)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C28-V1 (0.000-1.300)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.01
C28-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C28-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C28-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C28-V1 (0.000-1.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C29-V1 (0.000-1.100)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.01
C29-V1 (0.000-1.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C29-V1 (0.000-1.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C29-V1 (0.000-1.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C29-V1 (0.000-1.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C30-V1 (0.000-0.291)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.22
C30-V1 (0.000-0.291)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C30-V1 (0.000-0.291)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C30-V1 (0.000-0.291)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.08
C30-V1 (0.000-0.291)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C31-V1 (0.000-0.900)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.05
C31-V1 (0.000-0.900)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C31-V1 (0.000-0.900)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C31-V1 (0.000-0.900)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.08
C31-V1 (0.000-0.900)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C32-V1 (0.000-0.299)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.15
C32-V1 (0.000-0.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C32-V1 (0.000-0.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C32-V1 (0.000-0.299)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C32-V1 (0.000-0.299)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C33-V1 (0.000-0.318)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.01
C33-V1 (0.000-0.318)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C33-V1 (0.000-0.318)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C33-V1 (0.000-0.318)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C33-V1 (0.000-0.318)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C34-V1 (0.000-0.700)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C34-V1 (0.000-0.700)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C34-V1 (0.000-0.700)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C34-V1 (0.000-0.700)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C34-V1 (0.000-0.700)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C35-V1 (0.000-0.031)	Doorsnede		NEN-EN1993-1-1(6.17)	0.00
C35-V1 (0.000-0.031)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C36-V1 (0.000-0.369)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.07
C36-V1 (0.000-0.369)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C37-V1 (0.000-0.300)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.11
C37-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C37-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C37-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.11
C37-V1 (0.000-0.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C38-V1 (0.000-0.600)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.06



C38-V1 (0.000-0.600)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C38-V1 (0.000-0.600)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C38-V1 (0.000-0.600)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C38-V1 (0.000-0.600)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C39-V1 (0.000-1.200)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.07
C39-V1 (0.000-1.200)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C39-V1 (0.000-1.200)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C39-V1 (0.000-1.200)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.04
C39-V1 (0.000-1.200)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C40-V1 (0.000-0.300)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.06
Veld	Toetsing	Combinatie	Artikel	UC max
C40-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C40-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C40-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C40-V1 (0.000-0.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C41-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.06
C41-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C42-V1 (0.000-1.000)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.06
C42-V1 (0.000-1.000)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C42-V1 (0.000-1.000)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C42-V1 (0.000-1.000)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C42-V1 (0.000-1.000)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C43-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.00
C43-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C43-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C43-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.00
C43-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C44-V1 (0.000-0.031)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.17)	0.00
C44-V1 (0.000-0.031)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C45-V1 (0.000-0.369)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.12
C45-V1 (0.000-0.369)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C46-V1 (0.000-0.300)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.15
C46-V1 (0.000-0.300)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C46-V1 (0.000-0.300)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C46-V1 (0.000-0.300)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C46-V1 (0.000-0.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C47-V1 (0.000-0.600)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.09
C47-V1 (0.000-0.600)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.01
C47-V1 (0.000-0.600)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.01
C47-V1 (0.000-0.600)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.06
C47-V1 (0.000-0.600)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C48-V1 (0.000-0.800)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.07
C48-V1 (0.000-0.800)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C48-V1 (0.000-0.800)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C48-V1 (0.000-0.800)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.03
C48-V1 (0.000-0.800)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C49-V1 (0.000-0.400)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.11
C49-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C49-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C49-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.09
C49-V1 (0.000-0.400)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C50-V1 (0.000-0.300)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.10
C50-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C50-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00



C50-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.06
C50-V1 (0.000-0.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C51-V1 (0.000-0.031)	Doorsnede		NEN-EN1993-1-1(6.17)	0.00
C51-V1 (0.000-0.031)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C52-V1 (0.000-0.369)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.07
C52-V1 (0.000-0.369)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C53-V1 (0.000-0.300)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.12
C53-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C53-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C53-V1 (0.000-0.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.12
C53-V1 (0.000-0.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C54-V1 (0.000-0.600)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.06
C54-V1 (0.000-0.600)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C54-V1 (0.000-0.600)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
Veld	Toetsing	Combinatie	Artikel	UC max
C54-V1 (0.000-0.600)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C54-V1 (0.000-0.600)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C55-V1 (0.000-1.100)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.07
C55-V1 (0.000-1.100)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C55-V1 (0.000-1.100)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.46)	0.00
C55-V1 (0.000-1.100)	Stabiliteit	Pe.C.3	NEN-EN1993-1-1(6.61&6.62)	0.04
C55-V1 (0.000-1.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C56-V1 (0.000-0.400)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.08
C56-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C56-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C56-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.05
C56-V1 (0.000-0.400)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C57-V1 (0.000-1.580)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C57-V1 (0.000-1.580)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.20
C57-V1 (0.000-1.580)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.20
C57-V1 (0.000-1.580)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.22
C57-V1 (0.000-1.580)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C58-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.30
C58-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.46
C58-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.46
C58-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.47
C58-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C59-V1 (0.000-1.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C59-V1 (0.000-1.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C59-V1 (0.000-1.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C59-V1 (0.000-1.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C59-V1 (0.000-1.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C60-V1 (0.000-1.570)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.5)	0.06
C60-V1 (0.000-1.570)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C60-V1 (0.000-1.570)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C60-V1 (0.000-1.570)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.22
C60-V1 (0.000-1.570)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C61-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.60
C61-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.66
C61-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.66
C61-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.67
C61-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C62-V1 (0.000-1.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.02
C62-V1 (0.000-1.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12



C62-V1 (0.000-1.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C62-V1 (0.000-1.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C62-V1 (0.000-1.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C63-V1 (0.000-1.575)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C63-V1 (0.000-1.575)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C63-V1 (0.000-1.575)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C63-V1 (0.000-1.575)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C63-V1 (0.000-1.575)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C64-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.31
C64-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.47
C64-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.47
C64-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.48
C64-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C65-V1 (0.000-1.562)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C65-V1 (0.000-1.562)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C65-V1 (0.000-1.562)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C65-V1 (0.000-1.562)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C65-V1 (0.000-1.562)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C66-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.30
C66-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.33
C66-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.33
C66-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.35
C66-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C67-V1 (0.000-1.557)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C67-V1 (0.000-1.557)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.19
C67-V1 (0.000-1.557)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.19
C67-V1 (0.000-1.557)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.21
C67-V1 (0.000-1.557)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C68-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.59
C68-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.90
C68-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.90
C68-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.91
C68-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C69-V1 (0.000-1.567)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C69-V1 (0.000-1.567)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C69-V1 (0.000-1.567)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C69-V1 (0.000-1.567)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.21
C69-V1 (0.000-1.567)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C70-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.29
C70-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C70-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C70-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.35
C70-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C71-V1 (0.000-1.554)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C71-V1 (0.000-1.554)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C71-V1 (0.000-1.554)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C71-V1 (0.000-1.554)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.20
C71-V1 (0.000-1.554)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C72-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.29
C72-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C72-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C72-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.34
C72-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C73-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.58
C73-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.87
C73-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.87
C73-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.89
C73-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C74-V1 (0.000-1.545)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C74-V1 (0.000-1.545)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C74-V1 (0.000-1.545)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C74-V1 (0.000-1.545)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.21
C74-V1 (0.000-1.545)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C75-V1 (0.000-1.550)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C75-V1 (0.000-1.550)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C75-V1 (0.000-1.550)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C75-V1 (0.000-1.550)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C75-V1 (0.000-1.550)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C76-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.29
C76-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.44
C76-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.44
C76-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.46
C76-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C77-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.29
C77-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
Veld	Toetsing	Combinatie	Artikel	UC max
C77-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C77-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.33
C77-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C78-V1 (0.000-1.537)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C78-V1 (0.000-1.537)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C78-V1 (0.000-1.537)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C78-V1 (0.000-1.537)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C78-V1 (0.000-1.537)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C79-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.57
C79-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.84
C79-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.84
C79-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.86
C79-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C80-V1 (0.000-1.532)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C80-V1 (0.000-1.532)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.19
C80-V1 (0.000-1.532)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.19
C80-V1 (0.000-1.532)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.20
C80-V1 (0.000-1.532)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C81-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.28
C81-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.42
C81-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.42
C81-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.44
C81-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C82-V1 (0.000-1.542)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C82-V1 (0.000-1.542)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C82-V1 (0.000-1.542)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C82-V1 (0.000-1.542)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.20
C82-V1 (0.000-1.542)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C83-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.27
C83-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.41
C83-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.41



C83-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.43
C83-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C84-V1 (0.000-1.529)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C84-V1 (0.000-1.529)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C84-V1 (0.000-1.529)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C84-V1 (0.000-1.529)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C84-V1 (0.000-1.529)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C85-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.55
C85-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.82
C85-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.82
C85-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.84
C85-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C86-V1 (0.000-1.520)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C86-V1 (0.000-1.520)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.19
C86-V1 (0.000-1.520)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.19
C86-V1 (0.000-1.520)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.20
C86-V1 (0.000-1.520)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C87-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.28
C87-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C87-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C87-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.32
C87-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C88-V1 (0.000-1.524)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C88-V1 (0.000-1.524)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C88-V1 (0.000-1.524)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C88-V1 (0.000-1.524)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
Veld	Toetsing	Combinatie	Artikel	UC max
C88-V1 (0.000-1.524)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C89-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.27
C89-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.41
C89-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.41
C89-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.42
C89-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C90-V1 (0.000-1.512)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C90-V1 (0.000-1.512)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C90-V1 (0.000-1.512)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C90-V1 (0.000-1.512)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C90-V1 (0.000-1.512)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C91-V1 (0.000-1.507)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C91-V1 (0.000-1.507)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C91-V1 (0.000-1.507)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C91-V1 (0.000-1.507)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.19
C91-V1 (0.000-1.507)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C92-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.54
C92-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.59
C92-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.59
C92-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.61
C92-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C93-V1 (0.000-1.516)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C93-V1 (0.000-1.516)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C93-V1 (0.000-1.516)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C93-V1 (0.000-1.516)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C93-V1 (0.000-1.516)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C94-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.27



C94-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C94-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C94-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.32
C94-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C95-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.26
C95-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.39
C95-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.39
C95-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.41
C95-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C96-V1 (0.000-1.504)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C96-V1 (0.000-1.504)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C96-V1 (0.000-1.504)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C96-V1 (0.000-1.504)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C96-V1 (0.000-1.504)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C97-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.53
C97-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.77
C97-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.77
C97-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.79
C97-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C98-V1 (0.000-1.494)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C98-V1 (0.000-1.494)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C98-V1 (0.000-1.494)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C98-V1 (0.000-1.494)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.20
C98-V1 (0.000-1.494)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C99-V1 (0.000-1.499)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C99-V1 (0.000-1.499)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C99-V1 (0.000-1.499)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C99-V1 (0.000-1.499)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C99-V1 (0.000-1.499)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C100-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.27
Veld	Toetsing	Combinatie	Artikel	UC max
C100-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C100-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C100-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.31
C100-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C101-V1 (0.000-1.487)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C101-V1 (0.000-1.487)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C101-V1 (0.000-1.487)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C101-V1 (0.000-1.487)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C101-V1 (0.000-1.487)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C102-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.26
C102-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C102-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C102-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.30
C102-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C103-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.51
C103-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.75
C103-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.75
C103-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.77
C103-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C104-V1 (0.000-1.482)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C104-V1 (0.000-1.482)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17
C104-V1 (0.000-1.482)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17
C104-V1 (0.000-1.482)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.19



C104-V1 (0.000-1.482)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C105-V1 (0.000-1.491)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C105-V1 (0.000-1.491)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C105-V1 (0.000-1.491)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C105-V1 (0.000-1.491)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C105-V1 (0.000-1.491)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C106-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.26
C106-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C106-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C106-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.30
C106-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C107-V1 (0.000-1.479)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.05
C107-V1 (0.000-1.479)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C107-V1 (0.000-1.479)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C107-V1 (0.000-1.479)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C107-V1 (0.000-1.479)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C108-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.25
C108-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C108-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C108-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C108-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C109-V1 (0.000-1.469)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C109-V1 (0.000-1.469)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C109-V1 (0.000-1.469)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C109-V1 (0.000-1.469)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.19
C109-V1 (0.000-1.469)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C110-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.50
C110-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.55
C110-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.55
C110-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.56
C110-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C111-V1 (0.000-1.474)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C111-V1 (0.000-1.474)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C111-V1 (0.000-1.474)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C111-V1 (0.000-1.474)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C111-V1 (0.000-1.474)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C112-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.26
C112-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C112-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C112-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C112-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C113-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.25
C113-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.36
C113-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.36
C113-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.37
C113-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C114-V1 (0.000-1.462)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C114-V1 (0.000-1.462)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C114-V1 (0.000-1.462)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C114-V1 (0.000-1.462)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C114-V1 (0.000-1.462)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C115-V1 (0.000-1.457)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C115-V1 (0.000-1.457)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17



C115-V1 (0.000-1.457)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17
C115-V1 (0.000-1.457)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.18
C115-V1 (0.000-1.457)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C116-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.49
C116-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.71
C116-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.71
C116-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.72
C116-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C117-V1 (0.000-1.466)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C117-V1 (0.000-1.466)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C117-V1 (0.000-1.466)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C117-V1 (0.000-1.466)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C117-V1 (0.000-1.466)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C118-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.24
C118-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C118-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C118-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C118-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C119-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.24
C119-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.34
C119-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.34
C119-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.36
C119-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C120-V1 (0.000-1.454)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.05
C120-V1 (0.000-1.454)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C120-V1 (0.000-1.454)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C120-V1 (0.000-1.454)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C120-V1 (0.000-1.454)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C121-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.48
C121-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.68
C121-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.68
C121-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.70
C121-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C122-V1 (0.000-1.444)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C122-V1 (0.000-1.444)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17
C122-V1 (0.000-1.444)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17
C122-V1 (0.000-1.444)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.18
C122-V1 (0.000-1.444)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C123-V1 (0.000-1.449)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C123-V1 (0.000-1.449)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C123-V1 (0.000-1.449)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C123-V1 (0.000-1.449)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C123-V1 (0.000-1.449)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C124-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.24
C124-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C124-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C124-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.28
C124-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C125-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.24
C125-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.34
C125-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.34
C125-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.35
C125-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C126-V1 (0.000-1.437)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C126-V1 (0.000-1.437)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C126-V1 (0.000-1.437)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C126-V1 (0.000-1.437)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C126-V1 (0.000-1.437)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C127-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.46
C127-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.66
C127-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.66
C127-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.67
C127-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C128-V1 (0.000-1.432)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.05
C128-V1 (0.000-1.432)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C128-V1 (0.000-1.432)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C128-V1 (0.000-1.432)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.17
C128-V1 (0.000-1.432)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C129-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.23
C129-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.25
C129-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.25
C129-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.27
C129-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C130-V1 (0.000-1.441)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C130-V1 (0.000-1.441)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C130-V1 (0.000-1.441)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C130-V1 (0.000-1.441)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C130-V1 (0.000-1.441)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C131-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.22
C131-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C131-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C131-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.34
C131-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C132-V1 (0.000-1.429)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.05
C132-V1 (0.000-1.429)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C132-V1 (0.000-1.429)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C132-V1 (0.000-1.429)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.16
C132-V1 (0.000-1.429)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C133-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.45
C133-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.64
C133-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.64
C133-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.65
C133-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C134-V1 (0.000-1.419)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C134-V1 (0.000-1.419)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
Veld	Toetsing	Combinatie	Artikel	UC max
C134-V1 (0.000-1.419)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C134-V1 (0.000-1.419)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.18
C134-V1 (0.000-1.419)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C135-V1 (0.000-1.424)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C135-V1 (0.000-1.424)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C135-V1 (0.000-1.424)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C135-V1 (0.000-1.424)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C135-V1 (0.000-1.424)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C136-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.23
C136-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.25
C136-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.25



C136-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.27
C136-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C137-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.22
C137-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C137-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C137-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.33
C137-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C138-V1 (0.000-1.412)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C138-V1 (0.000-1.412)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C138-V1 (0.000-1.412)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C138-V1 (0.000-1.412)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C138-V1 (0.000-1.412)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C139-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.44
C139-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.48
C139-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.48
C139-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.49
C139-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C140-V1 (0.000-1.407)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.05
C140-V1 (0.000-1.407)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.15
C140-V1 (0.000-1.407)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.15
C140-V1 (0.000-1.407)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.17
C140-V1 (0.000-1.407)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C141-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.22
C141-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C141-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C141-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.26
C141-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C142-V1 (0.000-1.416)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.06
C142-V1 (0.000-1.416)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C142-V1 (0.000-1.416)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C142-V1 (0.000-1.416)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C142-V1 (0.000-1.416)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C143-V1 (0.000-1.404)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.05
C143-V1 (0.000-1.404)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C143-V1 (0.000-1.404)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C143-V1 (0.000-1.404)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.16
C143-V1 (0.000-1.404)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C144-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.21
C144-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C144-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C144-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.32
C144-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C145-V1 (0.000-1.394)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.06
C145-V1 (0.000-1.394)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C145-V1 (0.000-1.394)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C145-V1 (0.000-1.394)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.17
Veld	Toetsing	Combinatie	Artikel	UC max
C145-V1 (0.000-1.394)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C146-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.42
C146-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.59
C146-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.59
C146-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.61
C146-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C147-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.22



C147-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C147-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C147-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.25
C147-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C148-V1 (0.000-1.399)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C148-V1 (0.000-1.399)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C148-V1 (0.000-1.399)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C148-V1 (0.000-1.399)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C148-V1 (0.000-1.399)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C149-V1 (0.000-1.300)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C149-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C149-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C149-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C149-V1 (0.000-1.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C150-V1 (0.000-1.387)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C150-V1 (0.000-1.387)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C150-V1 (0.000-1.387)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C150-V1 (0.000-1.387)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C150-V1 (0.000-1.387)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C151-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.16
C151-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C151-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C151-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C151-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C152-V1 (0.000-1.300)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C152-V1 (0.000-1.300)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C152-V1 (0.000-1.300)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C152-V1 (0.000-1.300)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C152-V1 (0.000-1.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C153-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.32
C153-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.35
C153-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.35
C153-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.36
C153-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C154-V1 (0.000-1.382)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C154-V1 (0.000-1.382)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.32
C154-V1 (0.000-1.382)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.32
C154-V1 (0.000-1.382)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.34
C154-V1 (0.000-1.382)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C155-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.16
C155-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C155-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C155-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C155-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C156-V1 (0.000-1.391)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C156-V1 (0.000-1.391)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C156-V1 (0.000-1.391)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C156-V1 (0.000-1.391)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.34
C156-V1 (0.000-1.391)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C157-V1 (0.000-1.379)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
Veld	Toetsing	Combinatie	Artikel	UC max
C157-V1 (0.000-1.379)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C157-V1 (0.000-1.379)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C157-V1 (0.000-1.379)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.32



C157-V1 (0.000-1.379)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C158-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.15
C158-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C158-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C158-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C158-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C159-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.31
C159-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.34
C159-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.34
C159-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.34
C159-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C160-V1 (0.000-1.370)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C160-V1 (0.000-1.370)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.33
C160-V1 (0.000-1.370)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.33
C160-V1 (0.000-1.370)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.35
C160-V1 (0.000-1.370)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C161-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.16
C161-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C161-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C161-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C161-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C162-V1 (0.000-1.374)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C162-V1 (0.000-1.374)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C162-V1 (0.000-1.374)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C162-V1 (0.000-1.374)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C162-V1 (0.000-1.374)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C163-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.15
C163-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C163-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C163-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C163-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C164-V1 (0.000-1.362)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C164-V1 (0.000-1.362)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C164-V1 (0.000-1.362)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C164-V1 (0.000-1.362)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C164-V1 (0.000-1.362)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C165-V1 (0.000-1.357)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C165-V1 (0.000-1.357)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C165-V1 (0.000-1.357)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C165-V1 (0.000-1.357)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.32
C165-V1 (0.000-1.357)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C166-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.30
C166-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.33
C166-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.33
C166-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.33
C166-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C167-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.15
C167-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C167-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C167-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C167-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C168-V1 (0.000-1.366)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C168-V1 (0.000-1.366)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C168-V1 (0.000-1.366)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31



Veld	Toetsing	Combinatie	Artikel	UC max
C168-V1 (0.000-1.366)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.33
C168-V1 (0.000-1.366)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C169-V1 (0.000-1.354)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C169-V1 (0.000-1.354)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C169-V1 (0.000-1.354)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C169-V1 (0.000-1.354)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.30
C169-V1 (0.000-1.354)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C170-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.14
C170-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C170-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C170-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C170-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C171-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.29
C171-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C171-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C171-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.32
C171-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C172-V1 (0.000-1.345)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C172-V1 (0.000-1.345)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C172-V1 (0.000-1.345)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C172-V1 (0.000-1.345)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.33
C172-V1 (0.000-1.345)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C173-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.15
C173-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C173-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C173-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C173-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C174-V1 (0.000-1.349)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C174-V1 (0.000-1.349)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C174-V1 (0.000-1.349)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C174-V1 (0.000-1.349)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C174-V1 (0.000-1.349)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C175-V1 (0.000-1.337)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C175-V1 (0.000-1.337)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C175-V1 (0.000-1.337)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C175-V1 (0.000-1.337)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C175-V1 (0.000-1.337)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C176-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.14
C176-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C176-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C176-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C176-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C177-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.28
C177-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C177-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C177-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.31
C177-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C178-V1 (0.000-1.332)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C178-V1 (0.000-1.332)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.29
C178-V1 (0.000-1.332)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.29
C178-V1 (0.000-1.332)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.31
C178-V1 (0.000-1.332)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C179-V1 (0.000-1.342)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08



C179-V1 (0.000-1.342)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C179-V1 (0.000-1.342)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C179-V1 (0.000-1.342)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.31
C179-V1 (0.000-1.342)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C180-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.14
C180-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C180-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C180-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.16
C180-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C181-V1 (0.000-1.329)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C181-V1 (0.000-1.329)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C181-V1 (0.000-1.329)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C181-V1 (0.000-1.329)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C181-V1 (0.000-1.329)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C182-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C182-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C182-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C182-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.16
C182-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C183-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.27
C183-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.29
C183-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.29
C183-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.30
C183-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C184-V1 (0.000-1.320)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C184-V1 (0.000-1.320)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C184-V1 (0.000-1.320)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C184-V1 (0.000-1.320)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.31
C184-V1 (0.000-1.320)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C185-V1 (0.000-1.325)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C185-V1 (0.000-1.325)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C185-V1 (0.000-1.325)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C185-V1 (0.000-1.325)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C185-V1 (0.000-1.325)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C186-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.14
C186-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C186-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C186-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.16
C186-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C187-V1 (0.000-1.312)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C187-V1 (0.000-1.312)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C187-V1 (0.000-1.312)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C187-V1 (0.000-1.312)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C187-V1 (0.000-1.312)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C188-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C188-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C188-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C188-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C188-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C189-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.26
C189-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C189-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C189-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29



C189-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C190-V1 (0.000-1.308)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C190-V1 (0.000-1.308)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C190-V1 (0.000-1.308)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C190-V1 (0.000-1.308)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29
C190-V1 (0.000-1.308)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C191-V1 (0.000-1.317)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C191-V1 (0.000-1.317)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
Veld	Toetsing	Combinatie	Artikel	UC max
C191-V1 (0.000-1.317)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C191-V1 (0.000-1.317)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C191-V1 (0.000-1.317)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C192-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C192-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C192-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C192-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C192-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C193-V1 (0.000-1.305)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C193-V1 (0.000-1.305)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C193-V1 (0.000-1.305)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C193-V1 (0.000-1.305)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.27
C193-V1 (0.000-1.305)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C194-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.12
C194-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C194-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C194-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C194-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C195-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.25
C195-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.27
C195-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.27
C195-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.28
C195-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C196-V1 (0.000-1.295)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C196-V1 (0.000-1.295)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C196-V1 (0.000-1.295)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C196-V1 (0.000-1.295)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29
C196-V1 (0.000-1.295)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C197-V1 (0.000-1.300)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C197-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C197-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C197-V1 (0.000-1.300)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C197-V1 (0.000-1.300)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C198-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C198-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C198-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C198-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C198-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C199-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.12
C199-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C199-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C199-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C199-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C200-V1 (0.000-1.288)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C200-V1 (0.000-1.288)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01



C200-V1 (0.000-1.288)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C200-V1 (0.000-1.288)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C200-V1 (0.000-1.288)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C201-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.24
C201-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C201-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C201-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.27
C201-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C202-V1 (0.000-1.283)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07
C202-V1 (0.000-1.283)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C202-V1 (0.000-1.283)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C202-V1 (0.000-1.283)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.27
Veld	Toetsing	Combinatie	Artikel	UC max
C202-V1 (0.000-1.283)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C203-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.12
C203-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C203-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C203-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C203-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C204-V1 (0.000-1.292)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C204-V1 (0.000-1.292)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C204-V1 (0.000-1.292)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C204-V1 (0.000-1.292)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.28
C204-V1 (0.000-1.292)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C205-V1 (0.000-1.280)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C205-V1 (0.000-1.280)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C205-V1 (0.000-1.280)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C205-V1 (0.000-1.280)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.26
C205-V1 (0.000-1.280)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C206-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C206-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C206-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C206-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C206-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C207-V1 (0.000-1.271)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C207-V1 (0.000-1.271)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C207-V1 (0.000-1.271)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C207-V1 (0.000-1.271)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.28
C207-V1 (0.000-1.271)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C208-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.23
C208-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.25
C208-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.25
C208-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.26
C208-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C209-V1 (0.000-1.275)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C209-V1 (0.000-1.275)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C209-V1 (0.000-1.275)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C209-V1 (0.000-1.275)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C209-V1 (0.000-1.275)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C210-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.12
C210-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C210-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C210-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C210-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C211-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C211-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C211-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C211-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C211-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C212-V1 (0.000-1.263)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C212-V1 (0.000-1.263)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C212-V1 (0.000-1.263)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C212-V1 (0.000-1.263)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C212-V1 (0.000-1.263)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C213-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.22
C213-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.24
C213-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.24
C213-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.25
C213-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C214-V1 (0.000-1.259)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07
Veld	Toetsing	Combinatie	Artikel	UC max
C214-V1 (0.000-1.259)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.24
C214-V1 (0.000-1.259)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.24
C214-V1 (0.000-1.259)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.26
C214-V1 (0.000-1.259)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C215-V1 (0.000-1.268)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C215-V1 (0.000-1.268)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.25
C215-V1 (0.000-1.268)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.25
C215-V1 (0.000-1.268)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.26
C215-V1 (0.000-1.268)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C216-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C216-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C216-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C216-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C216-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C217-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C217-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C217-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C217-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C217-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C218-V1 (0.000-1.256)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C218-V1 (0.000-1.256)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C218-V1 (0.000-1.256)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C218-V1 (0.000-1.256)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.24
C218-V1 (0.000-1.256)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C219-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.21
C219-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C219-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C219-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.24
C219-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C220-V1 (0.000-1.246)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07
C220-V1 (0.000-1.246)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.25
C220-V1 (0.000-1.246)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.25
C220-V1 (0.000-1.246)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.26
C220-V1 (0.000-1.246)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C221-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C221-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C221-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12



C221-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C221-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C222-V1 (0.000-1.251)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C222-V1 (0.000-1.251)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C222-V1 (0.000-1.251)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C222-V1 (0.000-1.251)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C222-V1 (0.000-1.251)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C223-V1 (0.000-1.239)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C223-V1 (0.000-1.239)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C223-V1 (0.000-1.239)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C223-V1 (0.000-1.239)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C223-V1 (0.000-1.239)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C224-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C224-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C224-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C224-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C224-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C225-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.20
C225-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C225-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
Veld	Toetsing	Combinatie	Artikel	UC max
C225-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.23
C225-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C226-V1 (0.000-1.234)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07
C226-V1 (0.000-1.234)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C226-V1 (0.000-1.234)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C226-V1 (0.000-1.234)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.24
C226-V1 (0.000-1.234)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C227-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C227-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C227-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C227-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C227-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C228-V1 (0.000-1.243)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C228-V1 (0.000-1.243)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C228-V1 (0.000-1.243)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C228-V1 (0.000-1.243)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.25
C228-V1 (0.000-1.243)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C229-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C229-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C229-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C229-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C229-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C230-V1 (0.000-1.231)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C230-V1 (0.000-1.231)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.21
C230-V1 (0.000-1.231)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.21
C230-V1 (0.000-1.231)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.23
C230-V1 (0.000-1.231)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C231-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.19
C231-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.21
C231-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.21
C231-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.22
C231-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C232-V1 (0.000-1.222)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07



C232-V1 (0.000-1.222)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C232-V1 (0.000-1.222)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C232-V1 (0.000-1.222)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.25
C232-V1 (0.000-1.222)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C233-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C233-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C233-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C233-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C233-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C234-V1 (0.000-1.227)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C234-V1 (0.000-1.227)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C234-V1 (0.000-1.227)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C234-V1 (0.000-1.227)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C234-V1 (0.000-1.227)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C235-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.09
C235-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C235-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C235-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C235-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C236-V1 (0.000-1.214)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C236-V1 (0.000-1.214)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C236-V1 (0.000-1.214)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C236-V1 (0.000-1.214)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C236-V1 (0.000-1.214)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C237-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.18
C237-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C237-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C237-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.20
C237-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C238-V1 (0.000-1.210)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07
C238-V1 (0.000-1.210)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C238-V1 (0.000-1.210)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C238-V1 (0.000-1.210)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.23
C238-V1 (0.000-1.210)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C239-V1 (0.000-1.219)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C239-V1 (0.000-1.219)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.22
C239-V1 (0.000-1.219)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.22
C239-V1 (0.000-1.219)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.23
C239-V1 (0.000-1.219)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C240-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.09
C240-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C240-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C240-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C240-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C241-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C241-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C241-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.17
C241-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C241-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C242-V1 (0.000-1.207)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.09
C242-V1 (0.000-1.207)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.39
C242-V1 (0.000-1.207)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.39
C242-V1 (0.000-1.207)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.40



C242-V1 (0.000-1.207)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C243-V1 (0.000-1.100)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C243-V1 (0.000-1.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C243-V1 (0.000-1.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C243-V1 (0.000-1.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C243-V1 (0.000-1.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C244-V1 (0.000-1.100)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C244-V1 (0.000-1.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C244-V1 (0.000-1.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C244-V1 (0.000-1.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C244-V1 (0.000-1.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C245-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.26
C245-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.34
C245-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.34
C245-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.35
C245-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C246-V1 (0.000-1.198)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.10
C246-V1 (0.000-1.198)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.42
C246-V1 (0.000-1.198)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.42
C246-V1 (0.000-1.198)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.44
C246-V1 (0.000-1.198)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C247-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C247-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C247-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C247-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C247-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C248-V1 (0.000-1.202)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C248-V1 (0.000-1.202)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
Veld	Toetsing	Combinatie	Artikel	UC max
C248-V1 (0.000-1.202)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C248-V1 (0.000-1.202)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C248-V1 (0.000-1.202)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C249-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.13
C249-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C249-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C249-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.27
C249-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C250-V1 (0.000-1.190)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C250-V1 (0.000-1.190)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C250-V1 (0.000-1.190)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C250-V1 (0.000-1.190)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C250-V1 (0.000-1.190)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C251-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.24
C251-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.32
C251-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.32
C251-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.33
C251-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C252-V1 (0.000-1.186)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C252-V1 (0.000-1.186)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.39
C252-V1 (0.000-1.186)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.39
C252-V1 (0.000-1.186)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.40
C252-V1 (0.000-1.186)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C253-V1 (0.000-1.195)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.10
C253-V1 (0.000-1.195)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.40



C253-V1 (0.000-1.195)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.40
C253-V1 (0.000-1.195)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.41
C253-V1 (0.000-1.195)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C254-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.12
C254-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C254-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C254-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.25
C254-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C255-V1 (0.000-1.183)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.09
C255-V1 (0.000-1.183)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.36
C255-V1 (0.000-1.183)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.36
C255-V1 (0.000-1.183)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.37
C255-V1 (0.000-1.183)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C256-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C256-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.22
C256-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.22
C256-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.24
C256-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C257-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.23
C257-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C257-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C257-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.31
C257-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C258-V1 (0.000-1.173)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.10
C258-V1 (0.000-1.173)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.40
C258-V1 (0.000-1.173)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.40
C258-V1 (0.000-1.173)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.41
C258-V1 (0.000-1.173)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C259-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.12
C259-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C259-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C259-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
Veld	Toetsing	Combinatie	Artikel	UC max
C259-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C260-V1 (0.000-1.178)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C260-V1 (0.000-1.178)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C260-V1 (0.000-1.178)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C260-V1 (0.000-1.178)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C260-V1 (0.000-1.178)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C261-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C261-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C261-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C261-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.16
C261-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C262-V1 (0.000-1.166)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C262-V1 (0.000-1.166)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C262-V1 (0.000-1.166)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C262-V1 (0.000-1.166)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C262-V1 (0.000-1.166)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C263-V1 (0.000-1.161)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C263-V1 (0.000-1.161)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.36
C263-V1 (0.000-1.161)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.36
C263-V1 (0.000-1.161)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.38
C263-V1 (0.000-1.161)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C264-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.22
C264-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.43
C264-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.43
C264-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.43
C264-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C265-V1 (0.000-1.170)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.09
C265-V1 (0.000-1.170)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.37
C265-V1 (0.000-1.170)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.37
C265-V1 (0.000-1.170)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.38
C265-V1 (0.000-1.170)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C266-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
C266-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.21
C266-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.21
C266-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.22
C266-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C267-V1 (0.000-1.158)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.09
C267-V1 (0.000-1.158)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.34
C267-V1 (0.000-1.158)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.34
C267-V1 (0.000-1.158)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.35
C267-V1 (0.000-1.158)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C268-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C268-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C268-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.13
C268-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C268-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C269-V1 (0.000-1.149)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.10
C269-V1 (0.000-1.149)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.37
C269-V1 (0.000-1.149)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.37
C269-V1 (0.000-1.149)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.39
C269-V1 (0.000-1.149)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C270-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.20
C270-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.27
C270-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.27
C270-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.27
C270-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C271-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.11
Veld	Toetsing	Combinatie	Artikel	UC max
C271-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.21
C271-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.21
C271-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.22
C271-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C272-V1 (0.000-1.154)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C272-V1 (0.000-1.154)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C272-V1 (0.000-1.154)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C272-V1 (0.000-1.154)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C272-V1 (0.000-1.154)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C273-V1 (0.000-1.142)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C273-V1 (0.000-1.142)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C273-V1 (0.000-1.142)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C273-V1 (0.000-1.142)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C273-V1 (0.000-1.142)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C274-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.10
C274-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C274-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19



C274-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.20
C274-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C275-V1 (0.000-1.137)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C275-V1 (0.000-1.137)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.34
C275-V1 (0.000-1.137)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.34
C275-V1 (0.000-1.137)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.35
C275-V1 (0.000-1.137)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C276-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.19
C276-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.37
C276-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.37
C276-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.37
C276-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C277-V1 (0.000-1.146)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.09
C277-V1 (0.000-1.146)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.35
C277-V1 (0.000-1.146)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.35
C277-V1 (0.000-1.146)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.36
C277-V1 (0.000-1.146)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C278-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.09
C278-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C278-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C278-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C278-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C279-V1 (0.000-1.134)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C279-V1 (0.000-1.134)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C279-V1 (0.000-1.134)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.31
C279-V1 (0.000-1.134)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.32
C279-V1 (0.000-1.134)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C280-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.09
C280-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C280-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C280-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.18
C280-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C281-V1 (0.000-1.125)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C281-V1 (0.000-1.125)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.35
C281-V1 (0.000-1.125)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.35
C281-V1 (0.000-1.125)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.36
C281-V1 (0.000-1.125)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C282-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.18
C282-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
C282-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.23
Veld	Toetsing	Combinatie	Artikel	UC max
C282-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.24
C282-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C283-V1 (0.000-1.130)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C283-V1 (0.000-1.130)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C283-V1 (0.000-1.130)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C283-V1 (0.000-1.130)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C283-V1 (0.000-1.130)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C284-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.09
C284-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C284-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.18
C284-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19
C284-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C285-V1 (0.000-1.118)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01



C285-V1 (0.000-1.118)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C285-V1 (0.000-1.118)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C285-V1 (0.000-1.118)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C285-V1 (0.000-1.118)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C286-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.09
C286-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C286-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C286-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C286-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C287-V1 (0.000-1.114)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C287-V1 (0.000-1.114)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C287-V1 (0.000-1.114)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.31
C287-V1 (0.000-1.114)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.33
C287-V1 (0.000-1.114)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C288-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.16
C288-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C288-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C288-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.22
C288-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C289-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.08
C289-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C289-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.15
C289-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C289-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C290-V1 (0.000-1.122)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.09
C290-V1 (0.000-1.122)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C290-V1 (0.000-1.122)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.32
C290-V1 (0.000-1.122)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.34
C290-V1 (0.000-1.122)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C291-V1 (0.000-1.111)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C291-V1 (0.000-1.111)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C291-V1 (0.000-1.111)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.29
C291-V1 (0.000-1.111)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.30
C291-V1 (0.000-1.111)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C292-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.07
C292-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C292-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C292-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C292-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C293-V1 (0.000-1.102)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C293-V1 (0.000-1.102)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.32
C293-V1 (0.000-1.102)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.32
C293-V1 (0.000-1.102)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.34
C293-V1 (0.000-1.102)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C294-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.15
C294-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C294-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C294-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29
C294-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C295-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.08
C295-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C295-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C295-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12



C295-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C296-V1 (0.000-1.106)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C296-V1 (0.000-1.106)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C296-V1 (0.000-1.106)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C296-V1 (0.000-1.106)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02
C296-V1 (0.000-1.106)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C297-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.07
C297-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C297-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C297-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C297-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C298-V1 (0.000-1.094)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C298-V1 (0.000-1.094)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C298-V1 (0.000-1.094)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C298-V1 (0.000-1.094)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C298-V1 (0.000-1.094)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C299-V1 (0.000-1.090)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C299-V1 (0.000-1.090)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.29
C299-V1 (0.000-1.090)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.29
C299-V1 (0.000-1.090)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.31
C299-V1 (0.000-1.090)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C300-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.14
C300-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C300-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C300-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.19
C300-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C301-V1 (0.000-1.099)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C301-V1 (0.000-1.099)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.30
C301-V1 (0.000-1.099)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.30
C301-V1 (0.000-1.099)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.31
C301-V1 (0.000-1.099)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C302-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.07
C302-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C302-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C302-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C302-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C303-V1 (0.000-1.087)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C303-V1 (0.000-1.087)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C303-V1 (0.000-1.087)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.27
C303-V1 (0.000-1.087)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.28
C303-V1 (0.000-1.087)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C304-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.06
C304-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C304-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C304-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C304-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C305-V1 (0.000-1.078)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C305-V1 (0.000-1.078)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
Veld	Toetsing	Combinatie	Artikel	UC max
C305-V1 (0.000-1.078)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.30
C305-V1 (0.000-1.078)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.32
C305-V1 (0.000-1.078)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C306-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.13
C306-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17



C306-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.17
C306-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.17
C306-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C307-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.07
C307-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C307-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C307-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C307-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C308-V1 (0.000-1.082)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C308-V1 (0.000-1.082)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C308-V1 (0.000-1.082)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C308-V1 (0.000-1.082)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.03
C308-V1 (0.000-1.082)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C309-V1 (0.000-1.071)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.03
C309-V1 (0.000-1.071)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C309-V1 (0.000-1.071)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C309-V1 (0.000-1.071)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C309-V1 (0.000-1.071)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C310-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.06
C310-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.08
C310-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.08
C310-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.10
C310-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C311-V1 (0.000-1.066)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C311-V1 (0.000-1.066)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C311-V1 (0.000-1.066)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C311-V1 (0.000-1.066)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29
C311-V1 (0.000-1.066)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C312-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.11
C312-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.15
C312-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.15
C312-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.16
C312-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C313-V1 (0.000-1.075)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.08
C313-V1 (0.000-1.075)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C313-V1 (0.000-1.075)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.28
C313-V1 (0.000-1.075)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C313-V1 (0.000-1.075)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C314-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.06
C314-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C314-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C314-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C314-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C315-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.05
C315-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C315-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C315-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.09
C315-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C316-V1 (0.000-1.063)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.07
C316-V1 (0.000-1.063)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C316-V1 (0.000-1.063)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C316-V1 (0.000-1.063)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.27
Veld	Toetsing	Combinatie	Artikel	UC max
C316-V1 (0.000-1.063)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C317-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.10
C317-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C317-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C317-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.19
C317-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C318-V1 (0.000-1.054)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.5)	0.08
C318-V1 (0.000-1.054)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C318-V1 (0.000-1.054)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C318-V1 (0.000-1.054)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.32
C318-V1 (0.000-1.054)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C319-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.06
C319-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C319-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C319-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C319-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C320-V1 (0.000-1.059)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.04
C320-V1 (0.000-1.059)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C320-V1 (0.000-1.059)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C320-V1 (0.000-1.059)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C320-V1 (0.000-1.059)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C321-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.05
C321-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C321-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C321-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.09
C321-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C322-V1 (0.000-1.047)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.06
C322-V1 (0.000-1.047)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C322-V1 (0.000-1.047)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C322-V1 (0.000-1.047)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.08
C322-V1 (0.000-1.047)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C323-V1 (0.000-1.043)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.08
C323-V1 (0.000-1.043)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C323-V1 (0.000-1.043)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.26
C323-V1 (0.000-1.043)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.31
C323-V1 (0.000-1.043)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C324-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C324-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C324-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.16
C324-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.18
C324-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C325-V1 (0.000-1.051)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.08
C325-V1 (0.000-1.051)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C325-V1 (0.000-1.051)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.26
C325-V1 (0.000-1.051)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.30
C325-V1 (0.000-1.051)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C326-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.04
C326-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C326-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C326-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.09
C326-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C327-V1 (0.000-1.040)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.08
C327-V1 (0.000-1.040)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C327-V1 (0.000-1.040)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C327-V1 (0.000-1.040)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29



C327-V1 (0.000-1.040)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C328-V1 (0.000-0.400)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.1)	0.12
Veld	Toetsing	Combinatie	Artikel	UC max
C328-V1 (0.000-0.400)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C328-V1 (0.000-0.400)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C328-V1 (0.000-0.400)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C328-V1 (0.000-0.400)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C329-V1 (0.000-1.031)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.10
C329-V1 (0.000-1.031)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C329-V1 (0.000-1.031)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.28
C329-V1 (0.000-1.031)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.36
C329-V1 (0.000-1.031)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C330-V1 (0.000-0.400)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.08
C330-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.09
C330-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.09
C330-V1 (0.000-0.400)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.18
C330-V1 (0.000-0.400)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C331-V1 (0.000-1.035)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.07
C331-V1 (0.000-1.035)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C331-V1 (0.000-1.035)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C331-V1 (0.000-1.035)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.10
C331-V1 (0.000-1.035)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C332-V1 (0.000-0.400)	Doorsnede	Pe.C.3	NEN-EN1993-1-1(6.12)	0.05
C332-V1 (0.000-0.400)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C332-V1 (0.000-0.400)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C332-V1 (0.000-0.400)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C332-V1 (0.000-0.400)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C333-V1 (0.000-0.247)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.18
C333-V1 (0.000-0.247)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C333-V1 (0.000-0.247)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C333-V1 (0.000-0.247)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.10
C333-V1 (0.000-0.247)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C334-V1 (0.000-0.100)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.1)	0.10
C334-V1 (0.000-0.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C334-V1 (0.000-0.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C334-V1 (0.000-0.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C334-V1 (0.000-0.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C335-V1 (0.000-0.247)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(NB.33)	0.19
C335-V1 (0.000-0.247)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C335-V1 (0.000-0.247)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C335-V1 (0.000-0.247)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.10
C335-V1 (0.000-0.247)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C336-V1 (0.000-0.100)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.1)	0.11
C336-V1 (0.000-0.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C336-V1 (0.000-0.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C336-V1 (0.000-0.100)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C336-V1 (0.000-0.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C337-V1 (0.000-0.100)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.07
C337-V1 (0.000-0.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C337-V1 (0.000-0.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C337-V1 (0.000-0.100)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.11
C337-V1 (0.000-0.100)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C338-V1 (0.000-0.900)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.09
C338-V1 (0.000-0.900)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03



C338-V1 (0.000-0.900)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C338-V1 (0.000-0.900)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.09
C338-V1 (0.000-0.900)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C339-V1 (0.000-1.024)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.06
C339-V1 (0.000-1.024)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C339-V1 (0.000-1.024)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
Veld	Toetsing	Combinatie	Artikel	UC max
C339-V1 (0.000-1.024)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.10
C339-V1 (0.000-1.024)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C340-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.06
C340-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C340-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.14
C340-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.17
C340-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C341-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.11
C341-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C341-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.18
C341-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.20
C341-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C342-V1 (0.000-1.019)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.07
C342-V1 (0.000-1.019)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.21
C342-V1 (0.000-1.019)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.21
C342-V1 (0.000-1.019)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.27
C342-V1 (0.000-1.019)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C343-V1 (0.000-0.900)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.10
C343-V1 (0.000-0.900)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C343-V1 (0.000-0.900)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C343-V1 (0.000-0.900)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C343-V1 (0.000-0.900)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C344-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.05
C344-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C344-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.12
C344-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C344-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C345-V1 (0.000-1.028)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.10
C345-V1 (0.000-1.028)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C345-V1 (0.000-1.028)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.23
C345-V1 (0.000-1.028)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.29
C345-V1 (0.000-1.028)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C346-V1 (0.000-1.016)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.06
C346-V1 (0.000-1.016)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C346-V1 (0.000-1.016)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.19
C346-V1 (0.000-1.016)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.23
C346-V1 (0.000-1.016)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C347-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.05
C347-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C347-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C347-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C347-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C348-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.09
C348-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C348-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C348-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.23
C348-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C349-V1 (0.000-1.008)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.08
C349-V1 (0.000-1.008)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.24
C349-V1 (0.000-1.008)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.24
C349-V1 (0.000-1.008)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29
C349-V1 (0.000-1.008)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C350-V1 (0.000-1.012)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.04
C350-V1 (0.000-1.012)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C350-V1 (0.000-1.012)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C350-V1 (0.000-1.012)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.06
C350-V1 (0.000-1.012)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C351-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.05
C351-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.09
C351-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.09
C351-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.10
C351-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C352-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.05
C352-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C352-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C352-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.15
C352-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C353-V1 (0.000-1.001)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.06
C353-V1 (0.000-1.001)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C353-V1 (0.000-1.001)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C353-V1 (0.000-1.001)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.09
C353-V1 (0.000-1.001)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C354-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.08
C354-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.13
C354-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.13
C354-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.17
C354-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C355-V1 (0.000-0.996)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.09
C355-V1 (0.000-0.996)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C355-V1 (0.000-0.996)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.22
C355-V1 (0.000-0.996)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.29
C355-V1 (0.000-0.996)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C356-V1 (0.000-1.005)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.07
C356-V1 (0.000-1.005)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C356-V1 (0.000-1.005)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.24
C356-V1 (0.000-1.005)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.30
C356-V1 (0.000-1.005)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C357-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.04
C357-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C357-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C357-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.09
C357-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C358-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.12
C358-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C358-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C358-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.12
C358-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C359-V1 (0.000-0.993)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.10
C359-V1 (0.000-0.993)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16
C359-V1 (0.000-0.993)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.16



C359-V1 (0.000-0.993)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.24
C359-V1 (0.000-0.993)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C360-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.12
C360-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.11
C360-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.11
C360-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.16
C360-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C361-V1 (0.000-0.985)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.14
C361-V1 (0.000-0.985)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C361-V1 (0.000-0.985)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.20
C361-V1 (0.000-0.985)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.30
C361-V1 (0.000-0.985)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C362-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.04
C362-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.09
Veld	Toetsing	Combinatie	Artikel	UC max
C362-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.09
C362-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.14
C362-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C363-V1 (0.000-0.989)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.10
C363-V1 (0.000-0.989)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C363-V1 (0.000-0.989)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C363-V1 (0.000-0.989)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.11
C363-V1 (0.000-0.989)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C364-V1 (0.000-0.307)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.10
C364-V1 (0.000-0.307)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C365-V1 (0.000-0.291)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(NB.33)	0.10
C365-V1 (0.000-0.291)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C365-V1 (0.000-0.291)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C365-V1 (0.000-0.291)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.06
C365-V1 (0.000-0.291)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C366-V1 (0.000-0.978)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.09
C366-V1 (0.000-0.978)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C366-V1 (0.000-0.978)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C366-V1 (0.000-0.978)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C366-V1 (0.000-0.978)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C367-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.14
C367-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C367-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C367-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.20
C367-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C368-V1 (0.000-0.973)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.09
C368-V1 (0.000-0.973)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.10
C368-V1 (0.000-0.973)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.10
C368-V1 (0.000-0.973)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.16
C368-V1 (0.000-0.973)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C369-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.08
C369-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.12
C369-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.12
C369-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.22
C369-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C370-V1 (0.000-0.982)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.12
C370-V1 (0.000-0.982)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C370-V1 (0.000-0.982)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.11
C370-V1 (0.000-0.982)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.19



C370-V1 (0.000-0.982)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C371-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.09
C371-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C371-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C371-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.10
C371-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C372-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.06
C372-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C372-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C372-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C372-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C373-V1 (0.000-0.970)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.08
C373-V1 (0.000-0.970)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C373-V1 (0.000-0.970)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.05
C373-V1 (0.000-0.970)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.11
C373-V1 (0.000-0.970)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C374-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.05
C374-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
Veld	Toetsing	Combinatie	Artikel	UC max
C374-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C374-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.12
C374-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C375-V1 (0.000-0.962)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.05
C375-V1 (0.000-0.962)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.10
C375-V1 (0.000-0.962)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.10
C375-V1 (0.000-0.962)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.15
C375-V1 (0.000-0.962)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C376-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.03
C376-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C376-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C376-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C376-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C377-V1 (0.000-0.966)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.06
C377-V1 (0.000-0.966)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C377-V1 (0.000-0.966)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.00
C377-V1 (0.000-0.966)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.06
C377-V1 (0.000-0.966)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C378-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C378-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C378-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C378-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C378-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C379-V1 (0.000-0.955)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.04
C379-V1 (0.000-0.955)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C379-V1 (0.000-0.955)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C379-V1 (0.000-0.955)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C379-V1 (0.000-0.955)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C380-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.04
C380-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C380-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C380-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.08
C380-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C381-V1 (0.000-0.950)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C381-V1 (0.000-0.950)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.06



C381-V1 (0.000-0.950)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.06
C381-V1 (0.000-0.950)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.09
C381-V1 (0.000-0.950)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C382-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.02
C382-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C382-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C382-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C382-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C383-V1 (0.000-0.959)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.05
C383-V1 (0.000-0.959)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C383-V1 (0.000-0.959)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.10
C383-V1 (0.000-0.959)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.13
C383-V1 (0.000-0.959)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C384-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.02
C384-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C384-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C384-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C384-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C385-V1 (0.000-0.948)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.02
C385-V1 (0.000-0.948)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C385-V1 (0.000-0.948)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C385-V1 (0.000-0.948)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.08
Veld	Toetsing	Combinatie	Artikel	UC max
C385-V1 (0.000-0.948)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C386-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.03
C386-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.06
C386-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.06
C386-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.06
C386-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C387-V1 (0.000-0.939)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.03
C387-V1 (0.000-0.939)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.10
C387-V1 (0.000-0.939)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.10
C387-V1 (0.000-0.939)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.13
C387-V1 (0.000-0.939)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C388-V1 (0.000-0.943)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.03
C388-V1 (0.000-0.943)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.02
C388-V1 (0.000-0.943)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.02
C388-V1 (0.000-0.943)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C388-V1 (0.000-0.943)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C389-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.03
C389-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C389-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C389-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C389-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C390-V1 (0.000-0.932)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.03
C390-V1 (0.000-0.932)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C390-V1 (0.000-0.932)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C390-V1 (0.000-0.932)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C390-V1 (0.000-0.932)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C391-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.02
C391-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C391-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C391-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C391-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



C392-V1 (0.000-0.928)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.02
C392-V1 (0.000-0.928)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.05
C392-V1 (0.000-0.928)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.05
C392-V1 (0.000-0.928)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.06
C392-V1 (0.000-0.928)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C393-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.03
C393-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.05
C393-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.05
C393-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.05
C393-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C394-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.06
C394-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C394-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C394-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.09
C394-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C395-V1 (0.000-0.936)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.03
C395-V1 (0.000-0.936)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C395-V1 (0.000-0.936)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.07
C395-V1 (0.000-0.936)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.10
C395-V1 (0.000-0.936)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C396-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C396-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C396-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C396-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C396-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C397-V1 (0.000-0.925)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.01
Veld	Toetsing	Combinatie	Artikel	UC max
C397-V1 (0.000-0.925)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C397-V1 (0.000-0.925)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C397-V1 (0.000-0.925)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C397-V1 (0.000-0.925)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C398-V1 (0.000-0.917)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.03
C398-V1 (0.000-0.917)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C398-V1 (0.000-0.917)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.07
C398-V1 (0.000-0.917)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.10
C398-V1 (0.000-0.917)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C399-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.02
C399-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.04
C399-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.04
C399-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C399-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C400-V1 (0.000-0.921)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.02
C400-V1 (0.000-0.921)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C400-V1 (0.000-0.921)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C400-V1 (0.000-0.921)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C400-V1 (0.000-0.921)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C401-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.06
C401-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C401-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C401-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.08
C401-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C402-V1 (0.000-0.910)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C402-V1 (0.000-0.910)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C402-V1 (0.000-0.910)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01



C402-V1 (0.000-0.910)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C402-V1 (0.000-0.910)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C403-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.01
C403-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C403-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C403-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C403-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C404-V1 (0.000-0.906)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C404-V1 (0.000-0.906)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.05
C404-V1 (0.000-0.906)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.05
C404-V1 (0.000-0.906)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.05
C404-V1 (0.000-0.906)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C405-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.02
C405-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C405-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C405-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.03
C405-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C406-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.03
C406-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C406-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C406-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.05
C406-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C407-V1 (0.000-0.914)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.03
C407-V1 (0.000-0.914)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C407-V1 (0.000-0.914)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C407-V1 (0.000-0.914)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.06
C407-V1 (0.000-0.914)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C408-V1 (0.000-0.903)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.01
C408-V1 (0.000-0.903)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
C408-V1 (0.000-0.903)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.04
Veld	Toetsing	Combinatie	Artikel	UC max
C408-V1 (0.000-0.903)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C408-V1 (0.000-0.903)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C409-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C409-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C409-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C409-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C409-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C410-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.02
C410-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C410-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C410-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.03
C410-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C411-V1 (0.000-0.894)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C411-V1 (0.000-0.894)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.04
C411-V1 (0.000-0.894)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.04
C411-V1 (0.000-0.894)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.05
C411-V1 (0.000-0.894)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C412-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C412-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C412-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C412-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C412-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C413-V1 (0.000-0.899)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01



C413-V1 (0.000-0.899)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C413-V1 (0.000-0.899)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C413-V1 (0.000-0.899)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C413-V1 (0.000-0.899)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C414-V1 (0.000-0.888)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C414-V1 (0.000-0.888)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C414-V1 (0.000-0.888)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C414-V1 (0.000-0.888)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C414-V1 (0.000-0.888)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C415-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C415-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C415-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C415-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C415-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C416-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C416-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C416-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C416-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.03
C416-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C417-V1 (0.000-0.883)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C417-V1 (0.000-0.883)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.04
C417-V1 (0.000-0.883)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.04
C417-V1 (0.000-0.883)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C417-V1 (0.000-0.883)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C418-V1 (0.000-0.892)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.01
C418-V1 (0.000-0.892)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C418-V1 (0.000-0.892)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C418-V1 (0.000-0.892)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.04
C418-V1 (0.000-0.892)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C419-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.01
C419-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C419-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C419-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C419-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
Veld	Toetsing	Combinatie	Artikel	UC max
C420-V1 (0.000-0.881)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.01
C420-V1 (0.000-0.881)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C420-V1 (0.000-0.881)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.03
C420-V1 (0.000-0.881)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C420-V1 (0.000-0.881)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C421-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C421-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C421-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C421-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C421-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C422-V1 (0.000-0.872)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C422-V1 (0.000-0.872)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C422-V1 (0.000-0.872)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C422-V1 (0.000-0.872)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C422-V1 (0.000-0.872)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C423-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C423-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.02
C423-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.02
C423-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.02



C423-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C424-V1 (0.000-0.877)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C424-V1 (0.000-0.877)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C424-V1 (0.000-0.877)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C424-V1 (0.000-0.877)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C424-V1 (0.000-0.877)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C425-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C425-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C425-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C425-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C425-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C426-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C426-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C426-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C426-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C426-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C427-V1 (0.000-0.866)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C427-V1 (0.000-0.866)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C427-V1 (0.000-0.866)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.00
C427-V1 (0.000-0.866)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C427-V1 (0.000-0.866)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C428-V1 (0.000-0.862)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C428-V1 (0.000-0.862)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C428-V1 (0.000-0.862)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.03
C428-V1 (0.000-0.862)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.04
C428-V1 (0.000-0.862)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C429-V1 (0.000-0.500)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.01
C429-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C429-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C429-V1 (0.000-0.500)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C429-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C430-V1 (0.000-0.870)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.5)	0.01
C430-V1 (0.000-0.870)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C430-V1 (0.000-0.870)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.02
C430-V1 (0.000-0.870)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.03
C430-V1 (0.000-0.870)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C431-V1 (0.000-0.500)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.12)	0.01
C431-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
Veld	Toetsing	Combinatie	Artikel	UC max
C431-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C431-V1 (0.000-0.500)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.02
C431-V1 (0.000-0.500)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C432-V1 (0.000-0.454)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C432-V1 (0.000-0.454)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C432-V1 (0.000-0.454)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C432-V1 (0.000-0.454)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C432-V1 (0.000-0.454)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C433-V1 (0.000-0.675)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.01
C433-V1 (0.000-0.675)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C433-V1 (0.000-0.675)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C433-V1 (0.000-0.675)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C433-V1 (0.000-0.675)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C434-V1 (0.000-0.700)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.12)	0.01
C434-V1 (0.000-0.700)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01

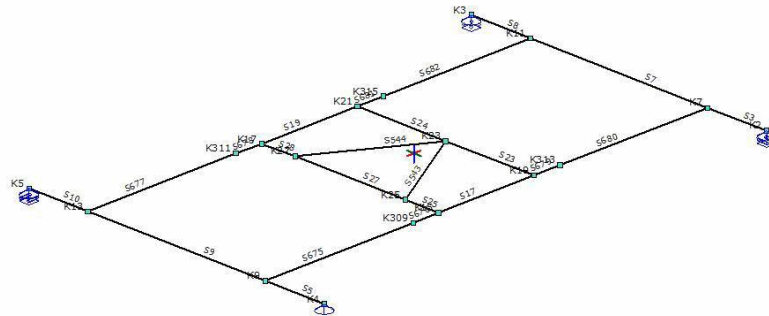


C434-V1 (0.000-0.700)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.01
C434-V1 (0.000-0.700)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.01
C434-V1 (0.000-0.700)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C435-V1 (0.000-0.454)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.5)	0.00
C435-V1 (0.000-0.454)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C435-V1 (0.000-0.454)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C435-V1 (0.000-0.454)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C435-V1 (0.000-0.454)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C436-V1 (0.000-0.700)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.5)	0.00
C436-V1 (0.000-0.700)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C436-V1 (0.000-0.700)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.01
C436-V1 (0.000-0.700)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.01
C436-V1 (0.000-0.700)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C437-V1 (0.000-0.592)	Doorsnede	Pe.C.1	NEN-EN1993-1-1(6.9)	0.02
C437-V1 (0.000-0.592)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.09
C437-V1 (0.000-0.592)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.46)	0.09
C437-V1 (0.000-0.592)	Stabiliteit	Pe.C.1	NEN-EN1993-1-1(6.61&6.62)	0.09
C437-V1 (0.000-0.592)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00
C438-V1 (0.000-0.675)	Doorsnede	Pe.C.2	NEN-EN1993-1-1(6.9)	0.01
C438-V1 (0.000-0.675)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C438-V1 (0.000-0.675)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.46)	0.06
C438-V1 (0.000-0.675)	Stabiliteit	Pe.C.2	NEN-EN1993-1-1(6.61&6.62)	0.07
C438-V1 (0.000-0.675)	Kiptoetsing	Pe.C.3	NEN-EN1993-1-1(6.54)	0.00



6.5 Bijlage 5 Matrix berekening Controle kantelveiligheid

AFB. GEOMETRIE 1: RAAMWERK



STAVEN

Staat	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte	Profiel	Positie
S3	K2	K7	2.783	2.000	0.000	2.783	1.200	0.000	0.800	P8	0.000 - L(0.800)
S5	K4	K9	-3.216	2.000	0.000	-3.216	1.200	0.000	0.800	P8	0.000 - L(0.800)
S7	K7	K11	2.783	1.200	0.000	2.783	-1.200	0.000	2.400	P8	0.000 - L(2.400)
S8	K11	K3	2.783	-1.200	0.000	2.783	-2.000	0.000	0.800	P8	0.000 - L(0.800)
S9	K9	K13	-3.216	1.200	0.000	-3.216	-1.200	0.000	2.400	P8	0.000 - L(2.400)
S10	K13	K5	-3.216	-1.200	0.000	-3.216	-2.000	0.000	0.800	P8	0.000 - L(0.800)
S17	K15	K19	-0.866	1.200	0.000	0.433	1.200	0.000	1.299	P8	0.000 - L(1.299)
S19	K17	K21	-0.866	-1.200	0.000	0.433	-1.200	0.000	1.299	P8	0.000 - L(1.299)
S23	K19	K23	0.433	1.200	0.000	0.433	0.000	0.000	1.200	P8	0.000 - L(1.200)
S24	K23	K21	0.433	0.000	0.000	0.433	-1.200	0.000	1.200	P8	0.000 - L(1.200)
S25	K15	K25	-0.866	1.200	0.000	-0.866	0.750	0.000	0.450	P8	0.000 - L(0.450)
S27	K25	K27	-0.866	0.750	0.000	-0.866	-0.750	0.000	1.500	P8	0.000 - L(1.500)
S28	K27	K17	-0.866	-0.750	0.000	-0.866	-1.200	0.000	0.450	P8	0.000 - L(0.450)
S543	K25	K23	-0.866	0.750	0.000	0.433	0.000	0.000	1.500	P7	0.000 - L(1.500)
S544	K23	K27	0.433	0.000	0.000	-0.866	-0.750	0.000	1.500	P7	0.000 - L(1.500)
S675	K9	K309	-3.216	1.200	0.000	-1.216	1.200	0.000	2.000	P8	0.000 - L(2.000)
S676	K309	K15	-1.216	1.200	0.000	-0.866	1.200	0.000	0.350	P8	0.000 - L(0.350)
S677	K13	K311	-3.216	-1.200	0.000	-1.216	-1.200	0.000	2.000	P8	0.000 - L(2.000)
S678	K311	K17	-1.216	-1.200	0.000	-0.866	-1.200	0.000	0.350	P8	0.000 - L(0.350)
S679	K19	K313	0.433	1.200	0.000	0.783	1.200	0.000	0.350	P8	0.000 - L(0.350)
S680	K313	K7	0.783	1.200	0.000	2.783	1.200	0.000	2.000	P8	0.000 - L(2.000)
S681	K21	K315	0.433	-1.200	0.000	0.783	-1.200	0.000	0.350	P8	0.000 - L(0.350)
S682	K315	K11	0.783	-1.200	0.000	2.783	-1.200	0.000	2.000	P8	0.000 - L(2.000)
-	-	-	m	m	m	m	m	m	m	-	-

PROFIELEN

Profiel	Profielnaam	Oppervlakte	It	Iy	Iz	Materiaal	Hoek
P7	C16	2.0106e-04	6.4340e-09	3.2170e-09	3.2170e-09	S355	0.0
P8	HE200A	5.3831e-03	2.0985e-07	3.6922e-05	1.3355e-05	S235	0.0
-	-	m2	m4	m4	m4	-	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR Raatl.	Hoogte
P7	Nee	0,016	0,016	0,0000	0,0000	0,0000	0,016	0,000	0,000 Nee	0,000
-	-	m	m	m	m	m	m	m	m -	m

MATERIALEN

Materiaalnaam	Poison	Dichtheid	E-Modulus	Uitzettingcoeff
S355	0.30	78.50	2.1000e+08	12.0000e-06
S235	0.30	78.50	2.1000e+08	12.0000e-06
-	-	kN/m3	kN/m2	C°m

OPLEGGINGEN

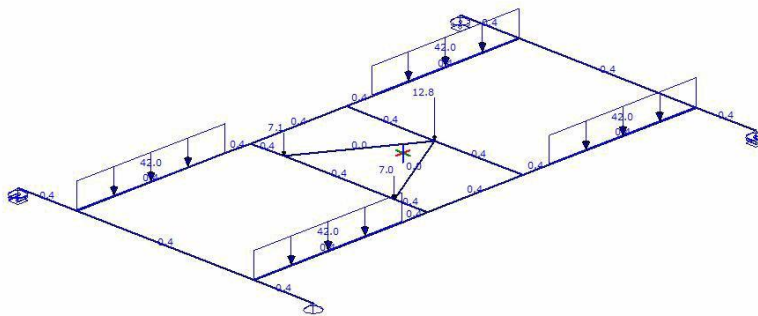


Oplegging	Object	Positie	X	Y	Z	Xr	Yr	Zr	HoekXr	HoekYr	HoekZr
O1	K5	0.000	Vast	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O4	K4	0.000	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O5	K3	0.000	Vrij	Vrij	Vast	Vrij	Vrij	Vrij	0	0	0
O8	K2	0.000	Vrij	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
-	-	m	kN/m	kN/m	kN/m	kNm/rad	kNm/rad	kNm/rad	°	°	°

BELASTINGSGEVALLEN TYPEN

Oplegg.	Staven	B.G.Type	Gunstig/Ong. Element	Niveau Veld	Psi0	Psi1	Psi2	Cprob
UGT/GGT								
B.G.1	Permanent	Permanent	-	N.v.t.	N.v.t.			
B.G.2	Windbelasting	Windbelasting	-	N.v.t.	N.v.t.	0.20	1.00/1.00	

B.G.1: PERMANENT

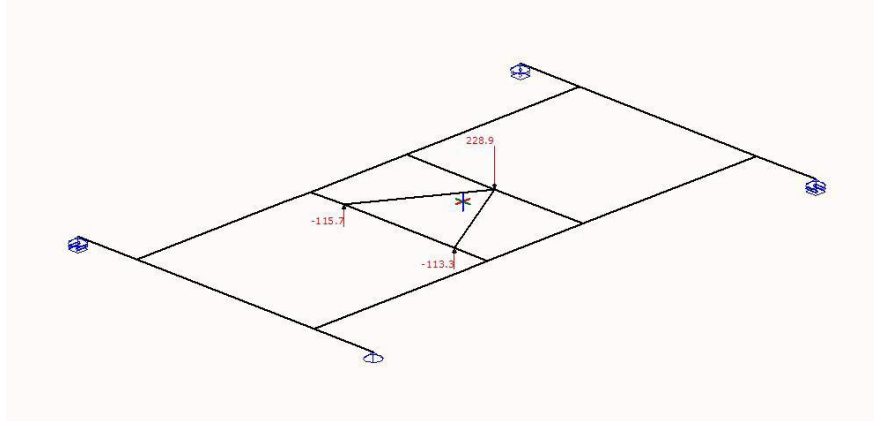


B.G.1: PERMANENT

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.800(L)	Z" S3,S5,S8,S10
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	2.400(L)	Z" S7,S9
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	1.299(L)	Z" S17,S19
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	1.200(L)	Z" S23-S24
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.450(L)	Z" S25,S28
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	1.500(L)	Z" S27
qG	0.02 (1.00x)	0.02 (1.00x)	0.000	1.500(L)	Z" S543-S544
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	2.000(L)	Z" S675,S677,S680,S682
qG	0.42 (1.00x)	0.42 (1.00x)	0.000	0.350(L)	Z" S676,S678-S679,S681
q	42.00	42.00	0.000	2.000(L)	Z' S675,S677,S680,S682
N	12.80				Z K23
N	7.10				Z K27
N	7.00				Z K25
Som lasten	X: 0.00	kN Y: 0.00	kN Z: 373.43	kN	
-	-	-	m	m	- -



B.G.2: WINDBELASTING



B.G.2: WINDBELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting					
N	228.90				Z K23
N	-115.70				Z K27
N	-113.30				Z K25
Som lasten		X: 0.00	kN Y: 0.00	kN Z: -0.10	
-	-	-	m	m	- -

ACCIDENTAL BELASTINGSCOMBINATIES (TABEL)

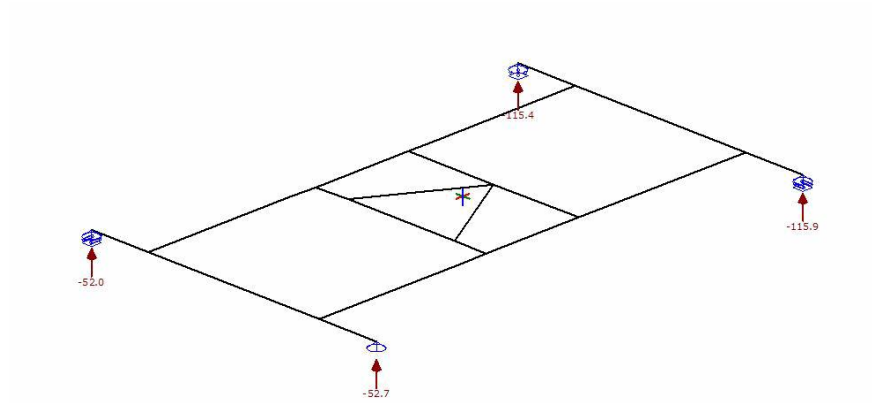
B.G.	Omschrijving	Ac.C.1
B.G.1	Permanent	0.90
B.G.2	Windbelasting	1.28

B.G. OPLEGREACTIES MET BEL. GEVALLEN

B.G.	Oplegging	Knoop	Reactie
B.G.1	O1	K5	Z -93.44
	O4	K4	Z -93.42
	O5	K3	Z -93.29
	O8	K2	Z -93.28
B.G.2	O1	K5	Z 25.09
	O4	K4	Z 24.54
	O5	K3	Z -24.59
	O8	K2	Z -24.94
-	-	-	kN kNm

AFB. AC.C.1 OPLEGREACTIES

Accidental Belastingscombinaties



AC.C. OPLEGREACTIES

B.C.	Oplegging	Knoop	X	Y	Z	Mx	My	Mz
Ac.C.1	O1	K5	0.00	0.00	-51.98	0.00	0.00	0.00
Ac.C.1	O4	K4	0.00	0.00	-52.66	0.00	0.00	0.00
Ac.C.1	O5	K3	0.00	0.00	-115.44	0.00	0.00	0.00
Ac.C.1	O8	K2	0.00	0.00	-115.87	0.00	0.00	0.00
	Som Reacties		0.00	0.00	-335.96			
	Som Lasten		0.00	0.00	335.96			
-	-	-	kN	kN	kN	kNm	kNm	kNm

Er treed geen trek op t.p.v. de opleggingen.

De veiligheid tegen kantelen is gewaarborgd.

