

User and maintenance manual

Economic spreader beams



Serial Number :

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1. Guarantee

- The normal warranty covers a period of 1 year. This period can be converted into hours of use depending on the type of equipment or its operating class.
- It starts from the day of delivery and ends at the earlier of the period of 1 year or the period of use.

2. Reception and storage

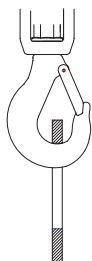
- On arrival of the product, visually inspect the packaging to ensure that it is in good condition. In case of anomaly, make the usual reservations.
- Check that the product corresponds to your order.
- The packaged product should be stored in a sheltered, dry place.
- The product must be unpacked using appropriate tools without damaging the product. The packaging must be disposed of.
- Once unpacked, the spreader should be stored in a dry, sheltered place to avoid any risk of damage to the product.



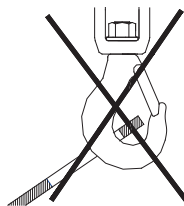
3. Installation and use

- The spreader is a piece of equipment consisting of one or more beams equipped with attachment points to facilitate the handling of loads that need to be held at several points.
- The spreader bar shall be attached to a hook with an effective safety catch. The gripping eye shall be fully engaged in the hook.

CORRECT

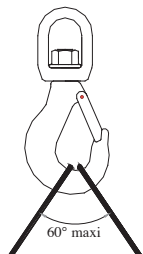


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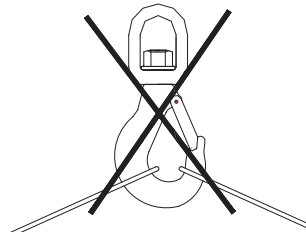


- If the hook for gripping the spreader bar is too large for the spreader bar's gripping eye, a suitable intermediate attachment can be used. In this case, check that it is suitable for the load plus the weight of the spreader bar.
- When calculating the total load to be lifted, take into account the dead weight of the lifting beam (indicated on the nameplate) so as not to exceed the capacity of the lifting device intended to handle the assembly.
- Also check that the lines are stable before loading.
- Slings at the bottom must be carried out under the following conditions :

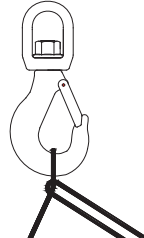
CORRECT



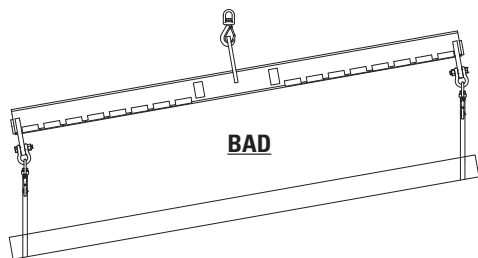
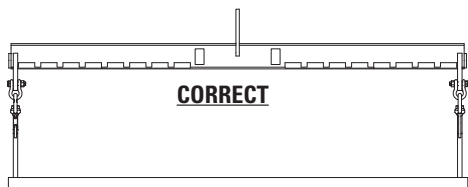
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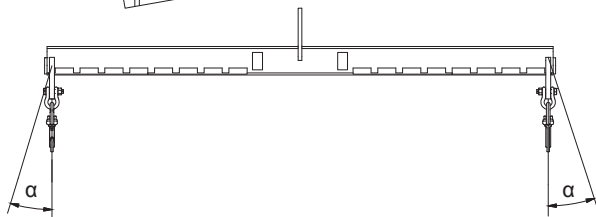
CORRECT



- When in use, the spreader bar should be close to the horizontal. In case of tilting, stop the lifting and unhook the load to find the correct setting of the hooking points.

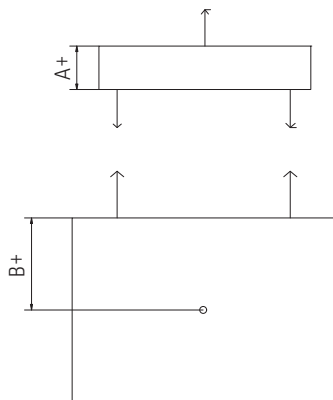


- Check that the slinging angle at the bottom does not exceed an angle $\alpha = 6^\circ$

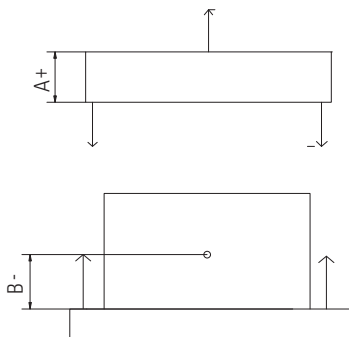


The user should be aware of and adhere to certain methods of securing the load, so as to enable the user to ensure that the spreader-load assembly is stable when lifted :

In the case of a spreader bar and a load with a positive stability height, the spreader bar plus load will always be stable regardless of the values **A** and **B POSITIVE**.

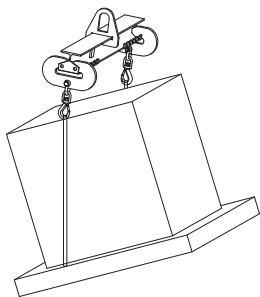


Secondly, in the case of a spreader bar with a positive stability height carrying a load with a negative stability height (the hooking point is located below the centre of gravity). The spreader-load assembly will be stable when the spreader's stability height is greater than the load's stability height.



When $A > B \rightarrow$ STABLE

When $A < B \rightarrow$ INSTABLE



LOWERING

4. Mandatory checks

- Carry out a check when the spreader is put into service by a qualified body in accordance with the order of 1 March 2004.
- Carry out periodic checks in accordance with the order of 1 March 2004.
- A thorough inspection must be carried out to detect any defects caused by impact, cracks, deformation or corrosion. This inspection must be carried out at least twice a year.

Before each use :

- Carry out a visual inspection and check that the equipment is working properly.
- Check the correct display of the maximum load.
- Check the appearance and functioning of the safety latches.
- Ensure that all the components of the spreader bar are present.
- Any defective part must be removed from service immediately.
- Lightly oil the supports of the rotary hooks.

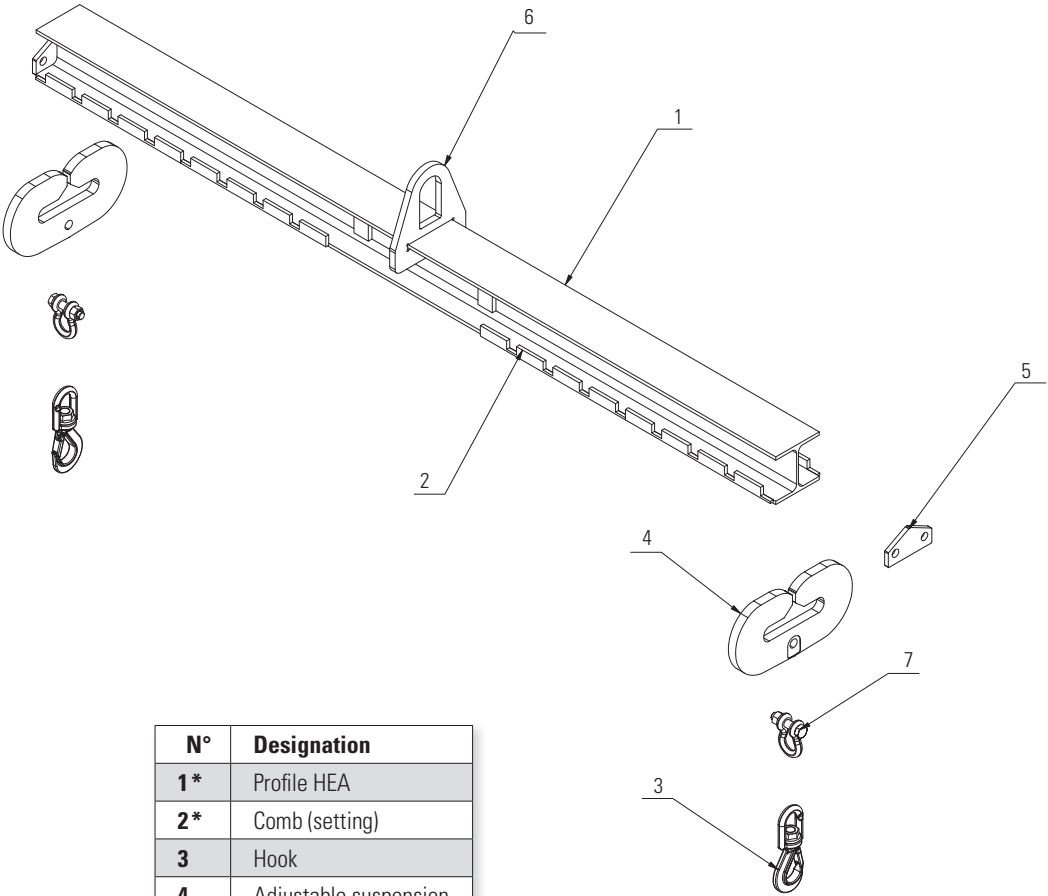
5. Warning

- EPI must be worn during use.



- A visual inspection of the welds, fasteners or suspension parts must be carried out.
- Check the condition of accessories such as slings, hooks, shackles and their compatibility with the spreader.
- Operating temperature : - 20 ° to + 90 °
- Do not modify the product as this may damage it.
- Do not couple other materials than those recommended
- Do not use the spreader bar for any purpose other than its primary function.
- Any equipment that has been overloaded must be removed from service immediately.
- Do not exceed the **MAXIMUM CAPACITY (SWL)** indicated on the spreader bar.
- Do not use sharp objects or objects that could damage the hooks.
- Do not stand under loads.
- Do not hook a load below the centre of gravity.
- Handling with a spreader bar should be dangerous. Staff must be informed of the risks and safety rules.

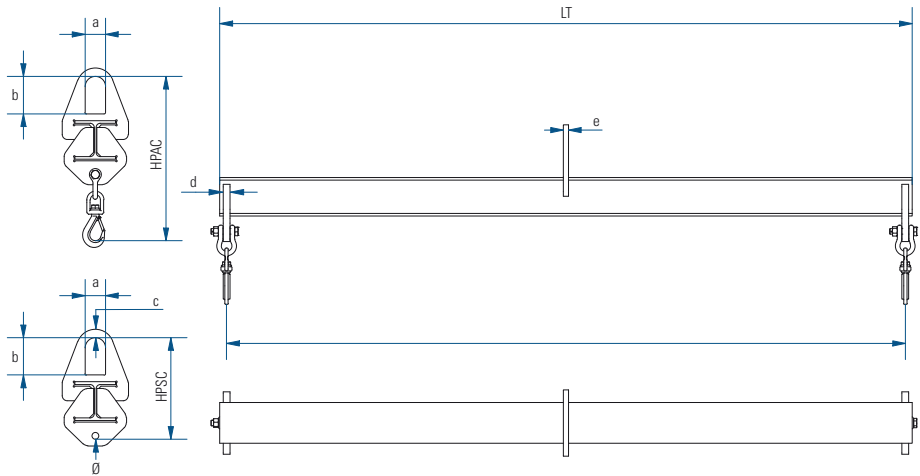
6. Nomenclature



N°	Designation
1*	Profile HEA
2*	Comb (setting)
3	Hook
4	Adjustable suspension
5*	Stop plate
6*	Cove
7	Manille

* Inseparable elements.

For technical specifications, please refer to the data sheet.



LT	Longueur Totale	Total length
HPAC	Hauteur perdue avec crochets	Headroom with hooks
HPSC	Hauteur perdue sans crochet	Headroom without hook

DESCRIPTIF

- Palonnier fixe type ECO.
- Protection : grenaillage SA 2.5 + peinture poudre polyester 60 microns C2.
- Finition jaune RAL 1028.
- Coefficient de sécurité = 2.
- Aucune soudure portante.
- Fabrication selon norme NF EN 13155-2.
- Groupe = FEM5.
- $\alpha = 5^{\circ}50'$.
- Vitesse de levage = 16 m/min maxi.
- Livré avec notice d'utilisation et d'entretien et certificat de conformité CE.
- Pour capacités supérieures, nous consulter.

OPTIONS

- Équipé de 2 crochets tournants articulés avec linguets de sécurité forgés.
- Réglage des crochets par suspentes déplaçables.

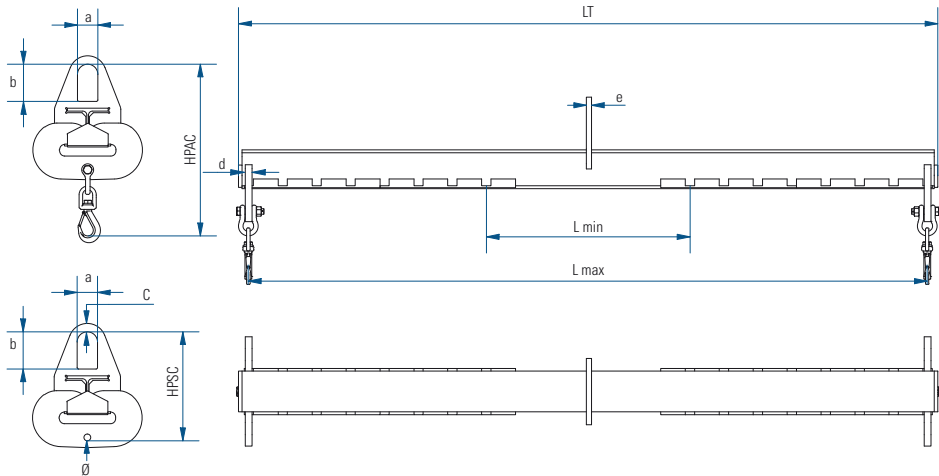
DESCRIPTION

- Fixed spreader beam.
- Protection: grinding SA 2.5 + polyester powder painting 60 micron C2.
- RAL 1028 yellow finish.
- Safety factor: 2
- No structural weld.
- Manufactured according to standard NF EN 13155-2.
- Group = FEM5.
- $\alpha = 5^{\circ}50'$.
- Maximum hoisting speed = 16m/min.
- Delivered with user's and maintenance manual and EC certificate of compliance.
- For superior capacities, contact us.

OPTIONS

- Equipped with 2 articulated, rotating hooks with forged safety latches.
- Adjustment of the hooks with movable hangers.

CMU	Longueur entre crochets (L)	Longueur Totale (LT)	Épaisseur suspendue (d)	Épaisseur anse (e)	Hauteur perdue avec crochet (HPAC)	Hauteur perdue sans crochet (HPSC)				Ø perçage	Poids	Largeur hors tout
Max. capacity	Length between hooks (L)	Total length (LT)	Thickness hanger (d)	Thickness handle (e)	Headroom with hook (HPAC)	Headroom without hook (HPSC)	a	b	c	Ø drilling	Weight	Overall width
kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg	mm
1 000	1 000	1040	20	15	484	299	60	110	25	18	30	184
	2 000	2040	20	15	484	299	60	110	25	18	50	184
	3 000	3040	20	15	484	299	60	110	25	18	70	184
	4 000	4040	20	15	484	299	60	110	25	18	90	184
	5 000	5040	20	15	532	347	60	110	25	18	164	224
	6 000	6040	20	15	532	347	60	110	25	18	194	224
2 000	1 000	1040	20	15	484	299	60	110	25	18	30	184
	2 000	2040	20	15	484	299	60	110	25	18	50	184
	3 000	3040	20	15	532	347	60	110	25	18	103	224
	4 000	4040	20	15	532	347	60	110	25	18	134	224
	5 000	5040	20	15	580	185	60	110	25	18	228	284
	6 000	6040	20	15	580	185	60	110	25	18	270	284
3 200	1 000	1040	20	20	548	339	80	140	40	18	32	184
	2 000	2040	20	20	596	387	80	140	40	18	75	224
	3 000	3045	20	20	644	435	80	140	40	18	147	284
	4 000	4040	20	20	644	435	80	140	40	18	189	284
	5 000	5040	20	20	644	435	80	140	40	18	231	284
	6 000	6040	20	20	654	445	80	140	40	18	324	304
4 000	1 000	1045	25	20	563	339	80	140	40	20	34	195
	2 000	2045	25	20	611	390	80	140	40	20	78	224
	3 000	3045	25	20	679	458	80	140	40	20	151	284
	4 000	4045	25	20	679	458	80	140	40	20	228	325
	5 000	5045	25	20	679	458	80	140	40	20	279	325
	6 000	6045	25	20	714	493	80	140	40	20	395	344
5 000	1 000	1045	25	25	696	430	100	180	50	20	54	265
	2 000	2045	25	25	764	498	100	180	50	20	115	305
	3 000	3045	25	25	764	498	100	180	50	20	157	305
	4 000	4045	25	25	764	498	100	180	50	20	228	325
	5 000	5045	25	25	799	533	100	180	50	20	340	345
	6 000	6045	25	25	819	553	100	180	50	20	450	365
6 300	1 000	1050	30	25	710	430	100	180	50	24	56	265
	2 000	2050	30	25	778	498	100	180	50	24	119	305
	3 000	3050	30	25	798	518	100	180	50	24	190	325
	4 000	4050	30	25	818	538	100	180	50	24	286	345
	5 000	5050	30	25	838	558	100	180	50	24	387	365
	6 000	6050	30	25	858	578	100	180	50	24	509	385
8 000	1 000	1050	30	35	824	518	100	180	50	24	95	325
	2 000	2050	30	35	824	518	100	180	50	24	145	325
	3 000	3050	30	35	844	538	100	180	50	24	232	344
	4 000	4050	30	35	864	558	100	180	50	24	326	365
	5 000	5050	30	35	884	578	100	180	50	24	440	385
	6 000	6050	30	35	904	598	100	180	50	24	594	405
10 000	1 000	1055	35	35	843	531	100	180	50	26	101	325
	2 000	2055	35	35	863	551	100	180	50	26	179	345
	3 000	3055	35	35	883	571	100	180	50	26	267	365
	4 000	4055	35	35	903	591	100	180	50	26	372	385
	5 000	5055	35	35	923	611	100	180	50	26	514	405
	6 000	6055	35	35	963	651	100	180	50	26	701	405



LT	Longueur Totale	Total length
HPAC	Hauteur perdue avec crochets	Headroom with hooks
HPSC	Hauteur perdue sans crochet	Headroom without hook
P	Pas = 100 mm	Pitch = 100mm
HP	Hauteur perdue	Headroom
L min	Longueur mini entre crochets	Min. length between hooks
L max	Longueur maxi entre crochets	Max. length between hooks

DESCRIPTIF

- Palonnier réglable type ECO.
- Œillet antidéchirement pour utilisation avec élingues synthétiques, câbles...
- Protection : grenaillage SA 2.5 + peinture poudre polyester 60 microns C2.
- Finition jaune RAL 1028.
- Coefficient de sécurité = 2.
- Aucune soudure portante.
- Fabrication selon norme NF EN 13155-2.
- Groupe = FEM5.
- $\alpha = 5^{\circ}50'$.
- Réglage au pas = 100 mm.
- Vitesse de levage = 16 m/min maxi.
- Livré avec notice d'utilisation et d'entretien et certificat de conformité CE.
- Pour capacités supérieures, nous consulter.

OPTIONS

- Équipé de 2 crochets tournants articulés avec linguets de sécurité forgés.
- Réglage des crochets par suspentes déplaçables.

DESCRIPTION

- Adjustable spreader beam.
- Tear-resistant eyelet for use with synthetic slings, cables, etc.
- Protection: grinding SA 2.5 + polyester powder painting 60 micron C2.
- RAL 1028 yellow finish.
- Safety factor: 2.
- No structural weld.
- Manufactured according to standard NF EN 13155-2.
- Group = FEM5.
- $\alpha = 5^{\circ}50'$.
- Pitch = 100mm.
- Maximum hoisting speed = 16m/min.
- Delivered with user's and maintenance manual and EC certificate of compliance.
- For superior capacities, contact us.

OPTIONS

- Equipped with 2 articulated, rotating hooks with forged safety latches.
- Adjustment of the hooks with movable hangers.

CMU	Longueur maxi entre crochets (L)	Longueur mini entre crochets (Lmin)	Épaisseur suspendue (d)	Épaisseur anse (e)	Longueur Totale (LT)	Pas (P)	Hauteur perdue avec crochet (HPAC)	Hauteur perdue sans crochet (HPSC)				Ø perçage	Poids	Largeur hors tout
Max. capacity	Length max. between hooks (L)	Length min. between hooks (Lmin)	Thickness hanger (d)	Thickness handle (e)	Total length (LT)	Step (P)	Headroom with hook (HPAC)	Headroom without hook (HPSC)	a	b	c	Ø drilling	Weight	Overall width
kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg	mm
1 000	1 000	500	20	15	1 060	50	506	321	60	110	25	20	38	322
	2 000	1 000	20	15	2 060	100	506	321	60	110	25	20	61	322
	3 000	1 000	20	15	3 060	100	506	321	60	110	25	20	83	322
	4 000	2 000	20	15	4 060	100	506	321	60	110	25	20	102	322
	5 000	3 000	20	15	5 060	100	553	368	60	110	25	20	182	382
	6 000	4 000	20	15	6 060	100	553	368	60	110	25	20	211	382
2 000	1 000	500	20	15	1 060	50	530	321	60	110	25	20	39	322
	2 000	1 000	20	15	2 060	100	530	321	60	110	25	20	62	322
	3 000	1 000	20	15	3 060	100	577	368	60	110	25	20	121	382
	4 000	2 000	20	15	4 060	100	577	368	60	110	25	20	151	382
	5 000	3 000	20	15	5 060	100	624	415	60	110	25	20	246	420
	6 000	4 000	20	15	6 060	100	624	415	60	110	25	20	288	420
3 200	1 000	500	20	20	1 060	50	630	361	80	140	40	20	41	322
	2 000	1 000	20	20	2 060	100	677	408	80	140	40	20	91	382
	3 000	1 000	20	20	3 065	100	724	455	80	140	40	20	164	420
	4 000	2 000	20	20	4 060	100	724	455	80	140	40	20	206	420
	5 000	3 000	20	20	5 060	100	724	455	80	140	40	20	249	420
	6 000	4 000	20	20	6 060	100	733	464	80	140	40	20	359	426
4 000	1 000	500	25	20	1 065	50	673	367	80	140	40	20	47	332
	2 000	1 000	25	20	2 065	100	720	414	80	140	40	24	96	382
	3 000	1 000	25	20	3 065	100	784	478	80	140	40	24	174	448
	4 000	2 000	25	20	4 065	100	783	477	80	140	40	24	249	446
	5 000	3 000	25	20	5 065	100	783	477	80	140	40	24	300	446
	6 000	4 000	25	20	6 065	100	817	511	80	140	40	24	411	446
5 000	1 000	500	25	25	1 065	50	760	454	100	180	50	24	68	382
	2 000	1 000	25	25	2 065	100	824	518	100	180	50	24	136	448
	3 000	1 000	25	25	3 065	100	824	518	100	180	50	24	180	448
	4 000	2 000	25	25	4 065	100	823	517	100	180	50	24	255	446
	5 000	3 000	25	25	5 065	100	857	551	100	180	50	24	356	476
	6 000	4 000	25	25	6 065	100	877	571	100	180	50	24	472	496
6 300	1 000	500	30	25	1 070	50	760	454	100	180	50	24	72	382
	2 000	1 000	30	25	2 070	100	824	518	100	180	50	24	142	448
	3 000	1 000	30	25	3 070	100	843	537	100	180	50	26	218	476
	4 000	2 000	30	25	4 070	100	862	556	100	180	50	26	313	506
	5 000	3 000	30	25	5 070	100	882	576	100	180	50	26	413	526
	6 000	4 000	30	25	6 070	100	901	595	100	180	50	26	534	546
8 000	1 000	500	30	35	1 070	50	892	537	100	180	50	26	119	476
	2 000	1 000	30	35	2 070	100	892	537	100	180	50	26	172	476
	3 000	1 000	30	35	3 070	100	911	556	100	180	50	26	260	506
	4 000	2 000	30	35	4 070	100	931	576	100	180	50	26	355	526
	5 000	3 000	30	35	5 070	100	917	595	100	180	50	26	465	546
	6 000	4 000	30	35	6 070	100	969	614	100	180	50	26	612	566
10 000	1 000	500	35	35	1 075	50	916	550	100	180	50	30	130	486
	2 000	1 000	35	35	2 075	100	935	569	100	180	50	30	209	516
	3 000	1 000	35	35	3 075	100	949	584	100	180	50	30	298	536
	4 000	2 000	35	35	4 075	100	974	609	100	180	50	30	404	556
	5 000	3 000	35	35	5 075	100	993	627	100	180	50	30	539	576
	6 000	4 000	35	35	6 075	100	1 030	665	100	180	50	30	731	576

