

## Series R68 | Removable lids along outer radius

Removable lids along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
68.050.R.0	50	68	100   125   150   175   200   225   250   300	≈ 1,90
68.075.R.0	75	93	100   125   150   175   200   225   250   300	≈ 2,18
68.100.R.0	100	118	100   125   150   175   200   225   250   300	≈ 2,46
68.115.R.0	115	133	100   125   150   175   200   225   250   300	≈ 2,63
68.125.R.0	125	143	100   125   150   175   200   225   250   300	≈ 2,77
68.150.R.0	150	168	100   125   150   175   200   225   250   300	≈ 3,05
68.175.R.0	175	193	100   125   150   175   200   225   250   300	≈ 3,36
68.200.R.0	200	218	100   125   150   175   200   225   250   300	≈ 3,64
68.225.R.0	225	243	100   125   150   175   200   225   250   300	≈ 3,92
68.250.R.0	250	268	100   125   150   175   200   225   250   300	≈ 4,23

Supplement Part No. with required radius (*R*). Example: 68.100.100.0

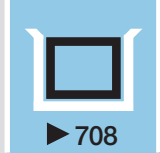
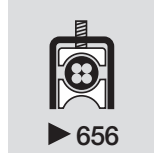
### Hot Chips up to 850°C

e-tubes that repel hot chips, up to 850°C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT:

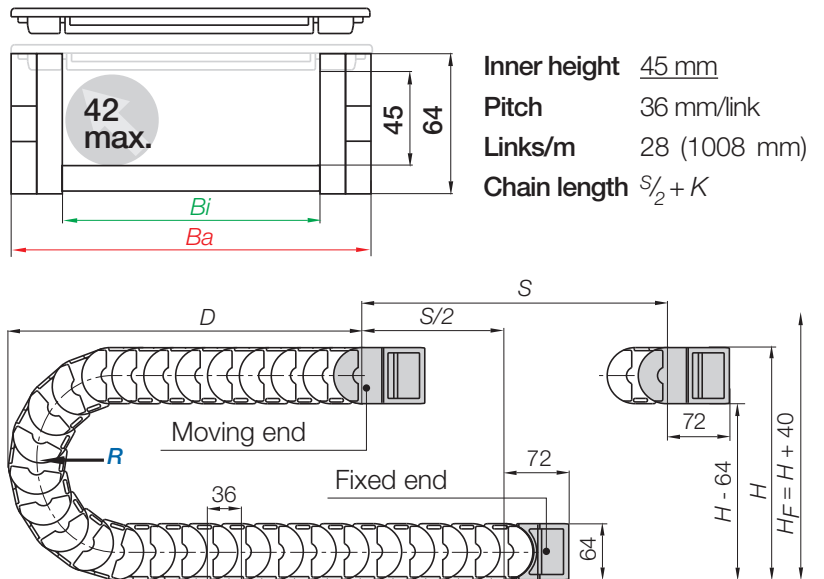
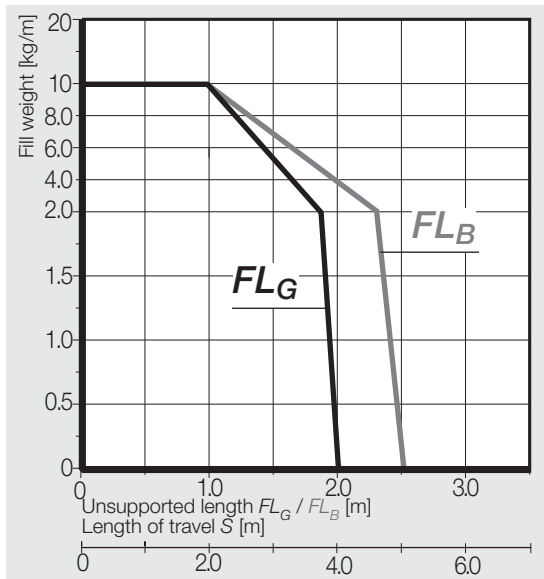
**Part No. 68.100.100.0.HT** (for long travels upon request)

Delivery time upon request. **More information** ► [www.igus.eu/HT](http://www.igus.eu/HT)





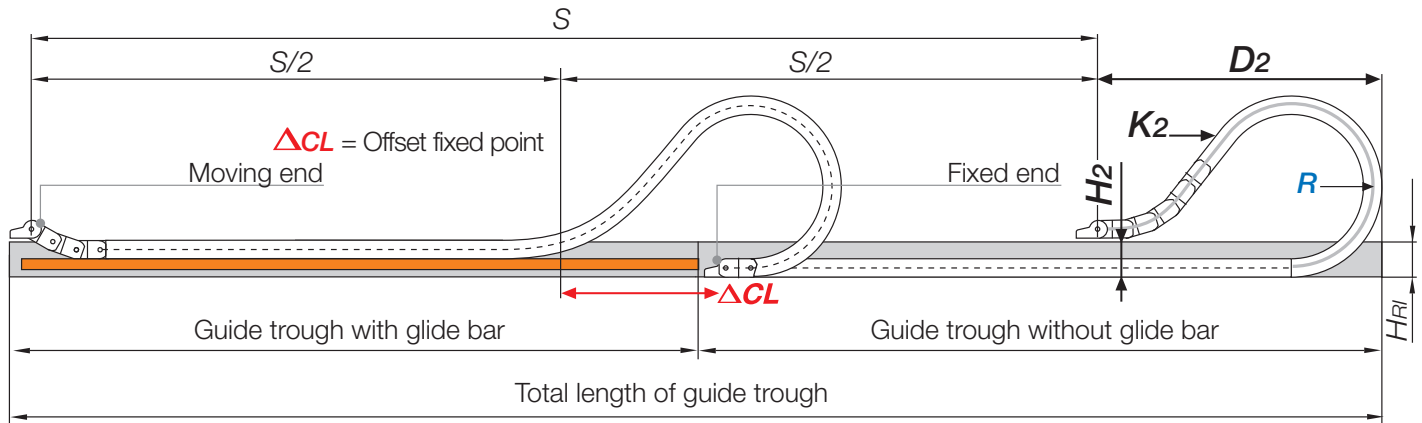
## Unsupported applications | Short travels



R	100	125	150	175	200	225	250	300
H	264	314	364	414	464	514	564	664
D	186	211	236	261	286	311	336	386
K	390	465	545	625	705	780	860	1015

The required clearance height:  $H_F = H + 40$  mm (with 2,5 kg/m fill weight)

## Gliding<sup>1)</sup> applications | Long travels from 6 m to max. 100 m



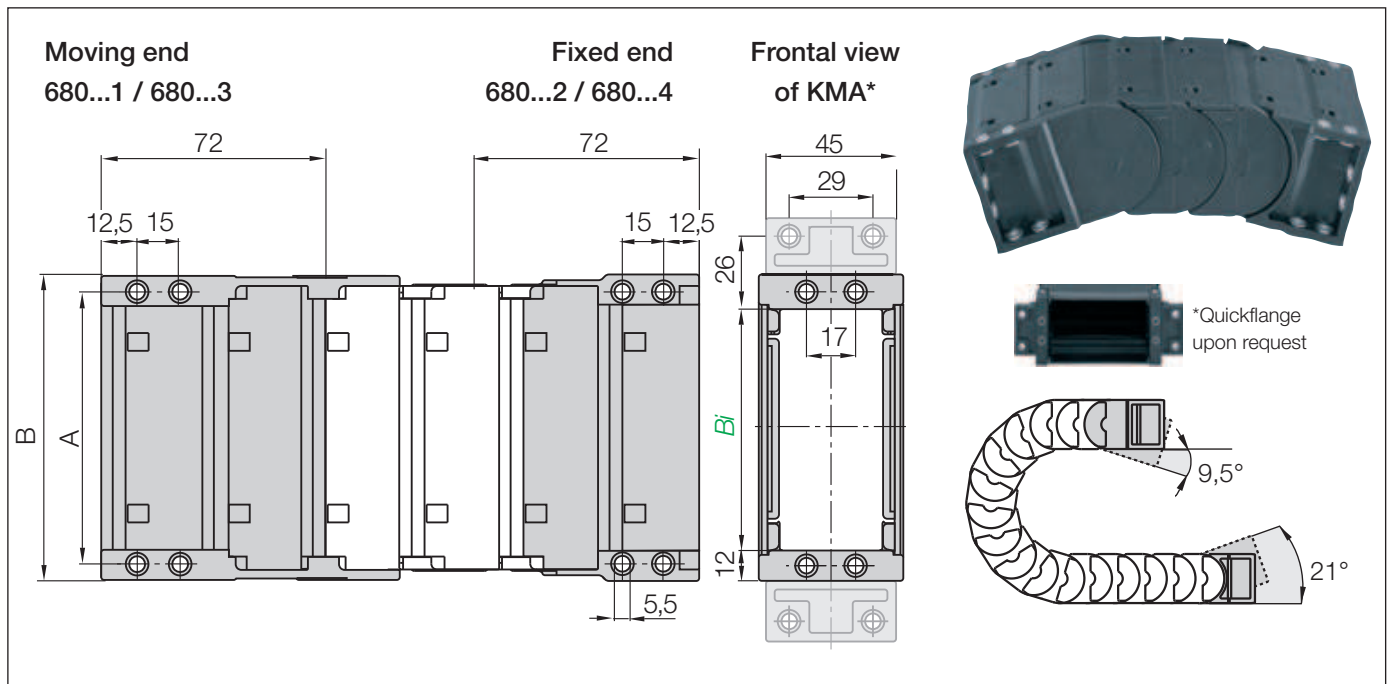
**Note:** For long travel applications we recommend to realize the engineering of such a plant by our technicians.

In case of travels between 4 and 6 m we recommend a longer unsupported length. **Chain length**  $S/2 + K_2$

1) For gliding applications, please consult igus®.

R	100	125	150	175	200	225	250	300
H <sub>2</sub>	201	220	220	220	220	220	220	220
D <sub>2</sub>	200	370	440	540	650	700	850	1050
K <sub>2</sub>	500	648	792	900	1116	1269	1476	1800
ΔCL	*	164	204	294	364	439	514	664

\*Values upon request



**KMA pivoting** | Recommended for unsupported applications | **Standard KMA locking** | Recommended for vertical hanging and standing applications

Width Index	Part No. full set <b>KMA pivoting:</b>	Part No. full set <b>KMA locking:</b>	Dim. A [mm]	Dim. B [mm]
.050. ▶	680.050.12	680.050.34	62	74
.075. ▶	680.075.12	680.075.34	87	99
.100. ▶	680.100.12	680.100.34	112	124
.115. ▶	680.115.12	680.115.34	127	139
.125. ▶	680.125.12	680.125.34	137	149
.150. ▶	680.150.12	680.150.34	162	174
.175. ▶	680.175.12	680.175.34	187	199
.200. ▶	680.200.12	680.200.34	212	224
.225. ▶	680.225.12	680.225.34	237	249
.250. ▶	680.250.12	680.250.34	262	274

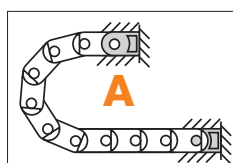
(KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Washer 5,3 DIN 125-ST
- Hexagon nut M5 DIN 934-8

**Full set with assembled Quickflange, please add index QF**

▶ e.g. Part No. 680.100.12.QF. Unassembled Quickflange: Part No. 16800.QF



These attachment types are set automatically in the choice of the KMA mounting bracket. For the **preassembled** mode please add index **A**.

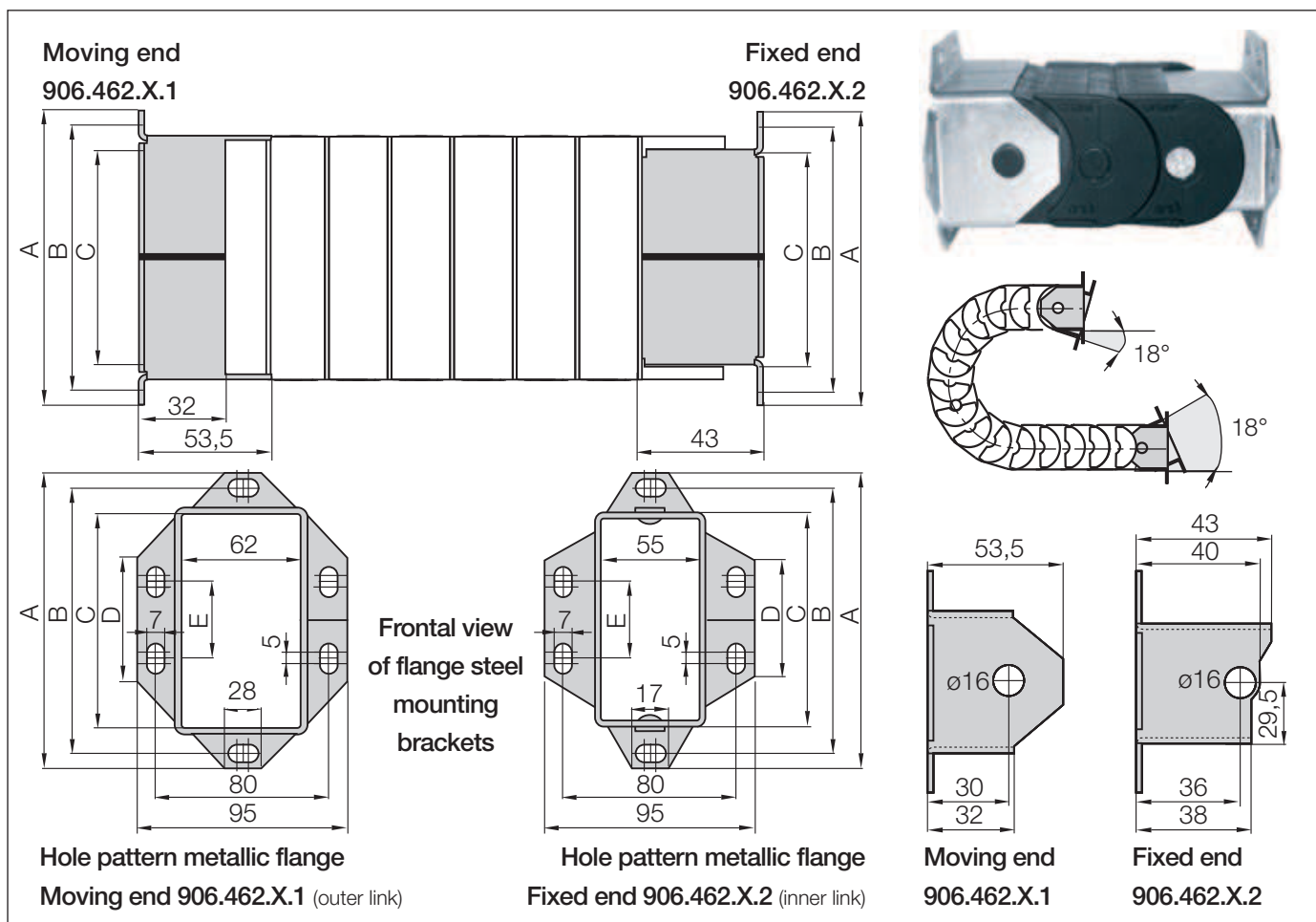
Part No. structure

680. 100. 12 **A**



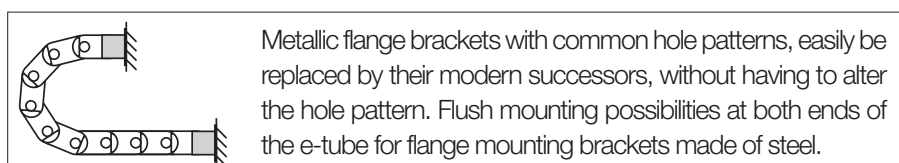
**Strain relief** e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 656

## Mounting brackets, flange steel | pivoting

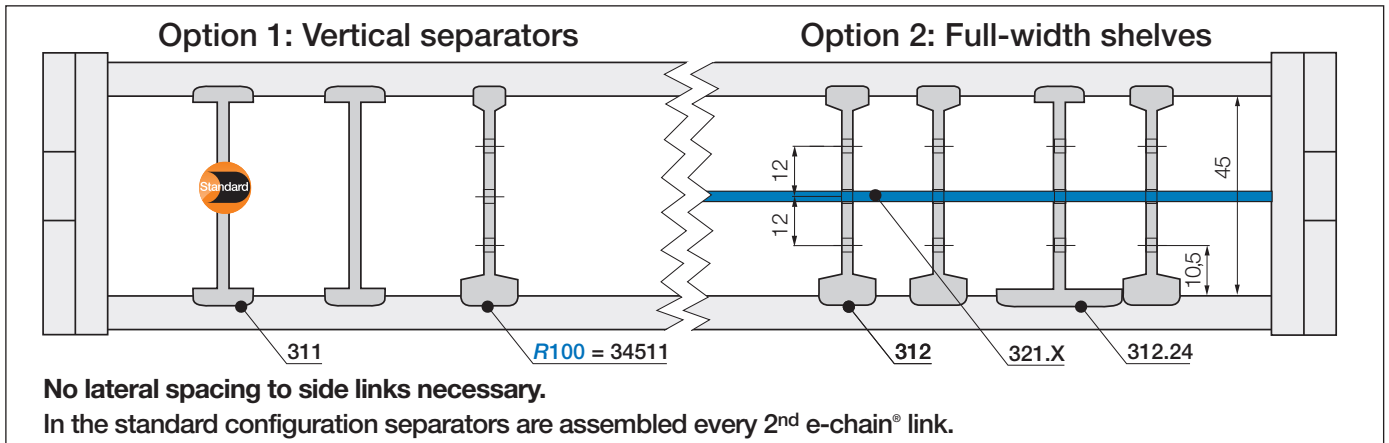


## Flange steel, pivoting | Recommended for unsupported applications

Width Index	Hole pattern	Part No. Moving end	Bi [mm]	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Dim. D [mm]	Dim. E [mm]
.075. ▶	68.1	906.462.1.1	75	116	104	83,3	50	30
.115. ▶	68.2	906.462.2.1	115	156	144	123,3	90	50
.175. ▶	68.3	906.462.3.1	175	216	204	183,3	150	100
Width Index	Hole pattern	Part No. Fixed end	Bi [mm]	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Dim. D [mm]	Dim. E [mm]
.075. ▶	68.1	906.462.1.2	75	116	104	83,4	38	30
.115. ▶	68.2	906.462.2.2	115	156	144	123,4	78	50
.175. ▶	68.3	906.462.3.2	175	216	204	183,4	138	100



 **Strain relief** e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 656



**Separator for e-tubes**

unassembled	<b>301</b>
assembled	<b>311</b>

### Separator 301

For a vertical subdivision.  
Offers safe stability due to its wide base design, also when used with thick cables or hoses.

**Separator for e-tubes (for radius R 100)**

unassembled	<b>34501</b>
assembled	<b>34511</b>

### Separator 34511

if you select bending radius **R 100** please use this Separator for a vertical subdivision.

**Separator, slotted for e-tubes**

unassembled	<b>302</b>
assembled	<b>312</b>

### Slotted separator 302

Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

**Separator, slotted wide base\* for e-tubes**

unassembled	<b>302.24</b>
assembled	<b>312.24</b>

### Slotted separator 302.24

If a wide space between the separators has to be kept or separators have to be fixed in their position.

(\*for side-mounted applications)

**Full-width shelf for e-tubes**

unassembled	<b>320.X</b>
assembled	<b>321.X</b>

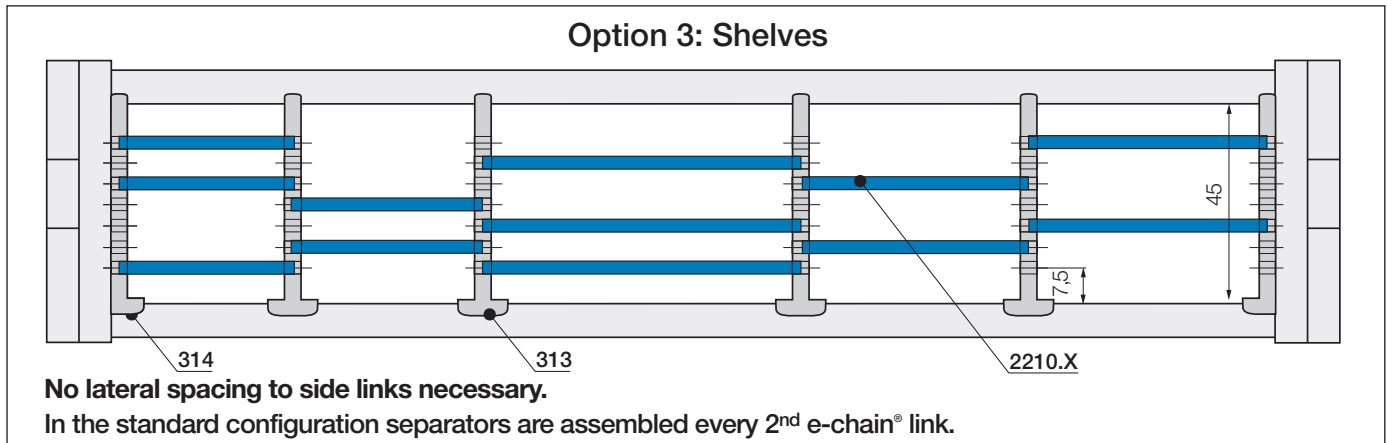
### Full-width shelf 320.X

This option makes sense in applications with many thin cables with similar diameters. Full-width shelves can be arranged at 3 different heights (in 12 mm increments).

### Full-width shelf

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	<b>320.050</b>	<b>321.050</b>	150	<b>320.150</b>	<b>321.150</b>	250	<b>320.250</b>	<b>321.250</b>
075	<b>320.075</b>	<b>321.075</b>	175	<b>320.175</b>	<b>321.175</b>			
115	<b>320.115</b>	<b>321.115</b>	200	<b>320.200</b>	<b>321.200</b>			
125	<b>320.125</b>	<b>321.125</b>	225	<b>320.225</b>	<b>321.225</b>			

## Interior separation | Option 3



**Side plate 303 for e-tubes**

unassembled	<b>303</b>
assembled	<b>313</b>

### Side plate 303

Side plate for use with shelf 2200.X and middle plate 304.

**Middle plate 304 for e-tubes**

unassembled	<b>304</b>
assembled	<b>314</b>

### Middle plate 304

To achieve a modular shelving the shelf 2200.X can be arranged at 7 different heights (in 5 mm increments).

**Shelf for e-tubes**

unassembled	<b>2200.X</b>
assembled	<b>2210.X</b>

### Shelf 2200.X

For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 5 different heights (in 5 mm increments).

## Shelves

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
018	<b>2200.18</b>	<b>2210.18</b>	043	<b>2200.43</b>	<b>2210.43</b>	088	<b>2200.88</b>	<b>2210.88</b>
023	<b>2200.23</b>	<b>2210.23</b>	048	<b>2200.48</b>	<b>2210.48</b>	099	<b>2200.99</b>	<b>2210.99</b>
028	<b>2200.28</b>	<b>2210.28</b>	058	<b>2200.58</b>	<b>2210.58</b>	124	<b>2200.124</b>	<b>2210.124</b>
033	<b>2200.33</b>	<b>2210.33</b>	068	<b>2200.68</b>	<b>2210.68</b>	149	<b>2200.149</b>	<b>2210.149</b>
038	<b>2200.38</b>	<b>2210.38</b>	073	<b>2200.73</b>	<b>2210.73</b>			