



HAGLOF INC.

Welcome



ACCURATE AND EFFICIENT LOG MEASUREMENT AND MANAGEMENT

- DP II and LogScale DP
 - Digitech Tape
 - Accurate and efficient log measurement
 - Log tags
 - Barcode scanner
- LogScale Suite
 - Accurate and efficient log management in Haglof Management Systems (HMS)



Accurate and efficient log measurement with the DP II computer caliper and the Electronic Digitech Tape



DP II & DIGITECH TAPE

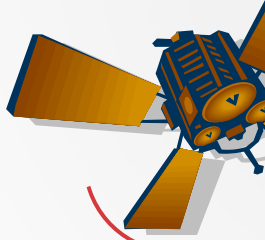
DP II

- Low Weight < 32 Oz
- Ergonomic / well balanced
- USB memory drive
- Foldable jaws
- Proven measuring systems
- Wide range of applications



DP II

- Communicate with other devices
 - USB
 - Bluetooth
 - IR



DP II

- DP II as Wrist computer
 - Smart Scale
 - Radio Enter Button



DP II

- Work in narrow spaces



DP II

- Fits all old and new accessories
 - Digitech Tape
 - Keyboard
 - DP DME



LOGSCALE DP - DIGITAPE

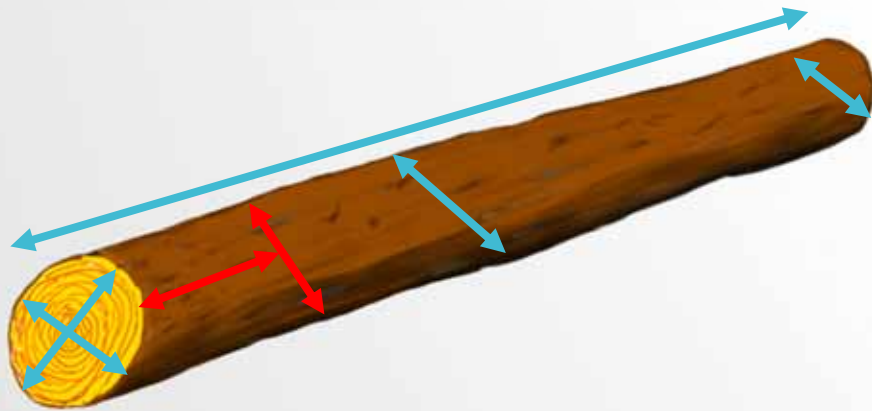
- Collect diameter and length automatically



LOGSCALE DP - DATA

- Log ID/Log tag
- Species
- Small end scaling diameter
- Large end scaling diameter
- Log length
- Grade
- Deduction, can be in percent or absolute
- User supplied volume
- Note field
- The small end scaling diameter after reduction for defect
- The length after defect reduction
- Reason for downgrade
- User supplied value
- Large end scaling diameter after deduction

USE ANY MEASUREMENT RULES



- Large end diameter
- Small end diameter
- Middle diameter
- Cross measurement
- Diameter after reduction
- JAS rule
- Log length

Accurate and efficient log management suite in Haglof Management Systems



LOGSCALE SUITE

HAGLOF MANAGEMENT SYSTEMS

Haglof Management Systems

Microsoft
SQL server

LogScale Suite

Tickets

Sales

Log management

Prices list

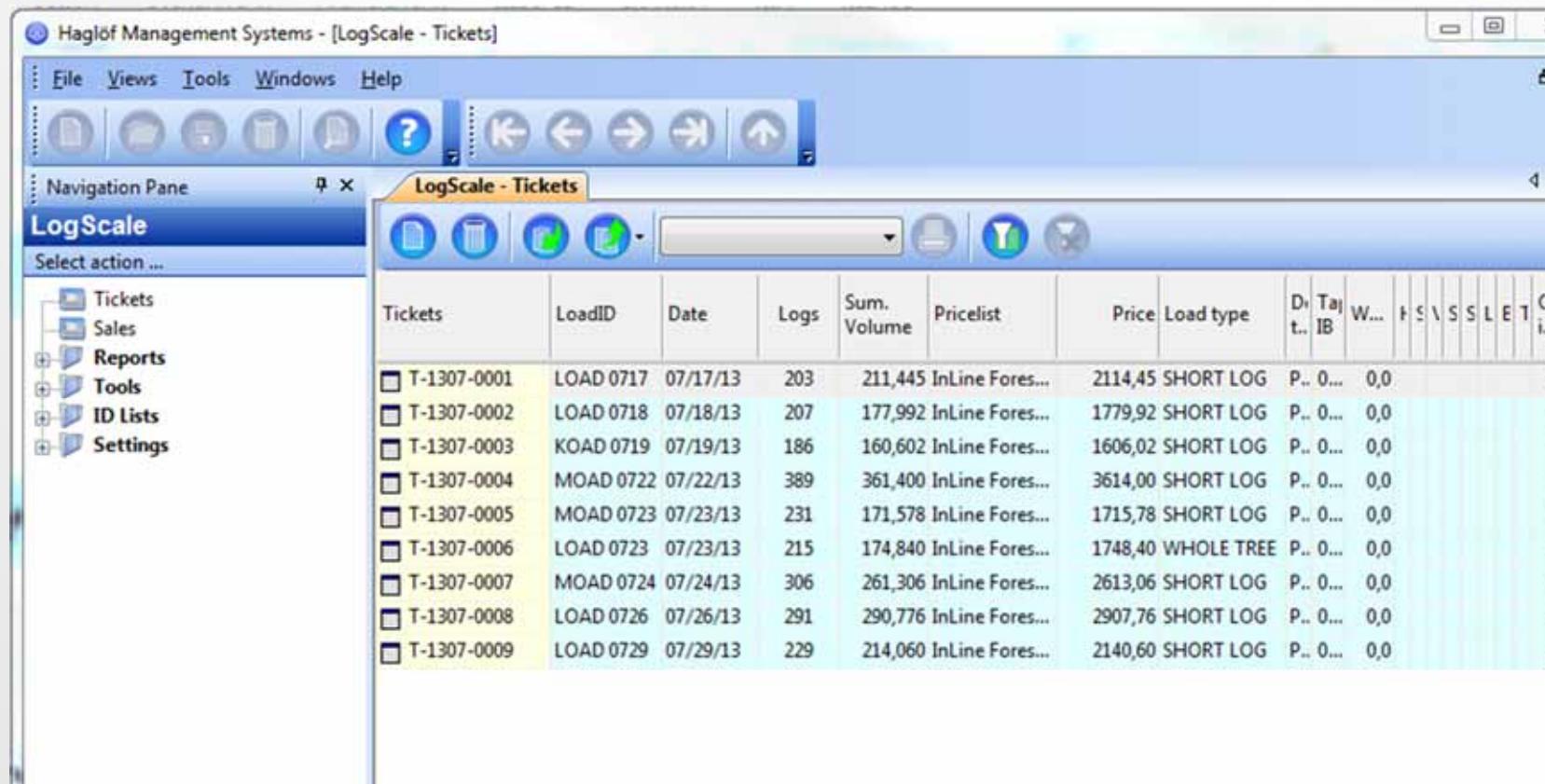
Contacts

Volume
functions

Templates

LOGSCALE SUITE

The LogScale Suite in HMS provides a user-friendly PC interface with several key functions.



The screenshot displays the LogScale Suite interface within a window titled "Haglóf Management Systems - [LogScale - Tickets]". The interface includes a menu bar (File, Views, Tools, Windows, Help), a navigation pane on the left with a tree view containing "Tickets", "Sales", "Reports", "Tools", "ID Lists", and "Settings", and a main data table. The table has columns for Tickets, LoadID, Date, Logs, Sum. Volume, Pricelist, Price, Load type, and several other columns. The data rows show ticket information for the period of July 17, 2013, to July 29, 2013.

Tickets	LoadID	Date	Logs	Sum. Volume	Pricelist	Price	Load type	Dv	Taj	W...	F	S	S	L	E	T	C
<input type="checkbox"/> T-1307-0001	LOAD 0717	07/17/13	203	211,445	InLine Fores...	2114,45	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0002	LOAD 0718	07/18/13	207	177,992	InLine Fores...	1779,92	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0003	KOAD 0719	07/19/13	186	160,602	InLine Fores...	1606,02	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0004	MOAD 0722	07/22/13	389	361,400	InLine Fores...	3614,00	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0005	MOAD 0723	07/23/13	231	171,578	InLine Fores...	1715,78	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0006	LOAD 0723	07/23/13	215	174,840	InLine Fores...	1748,40	WHOLE TREE	P..	0...	0,0							
<input type="checkbox"/> T-1307-0007	MOAD 0724	07/24/13	306	261,306	InLine Fores...	2613,06	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0008	LOAD 0726	07/26/13	291	290,776	InLine Fores...	2907,76	SHORT LOG	P..	0...	0,0							
<input type="checkbox"/> T-1307-0009	LOAD 0729	07/29/13	229	214,060	InLine Fores...	2140,60	SHORT LOG	P..	0...	0,0							

LOGSCALE SUITE

- Create Pricelists
- Work with Contracts
- Create tickets
- Import tickets
- Export tickets as Excel files
- Export Contract settings as templates
- Create sales or deplete inventories
- Generate reports
- Change settings

SEVERAL VOLUME FUNCTIONS

- International $\frac{1}{4}$
- International $\frac{1}{8}$
- Doyle
- Bruce/Shumacher
- Scribner West-Side
- Japanese Agricultural
- Huber
- GB scale (Guo Biao)
- Cubic feet inside bark
- Cubic feet on bark
- Custom volume table

WORKFLOW SCALE A LOAD

In HMS LogScale Suite - Start by building a template

Species

Grades

Volume function

Prices



In DP II Caliper LogScale DP – Scale a load

Tag ID

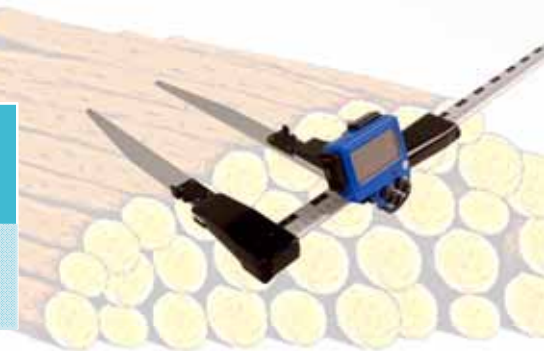
Species

Grades

Diameter

Length

And more...



Import data into HMS LogScale Suite

New ticket(or old)

Volume and value

Data stored in SQL

Generate reports



LOGSCALE - TICKETS

Haglóf Management Systems - [LogScale - Tickets]

File Views Tools Windows Help

Navigation Pane LogScale - Tickets

LogScale

Select action ...

- Tickets
- Sales
- Reports
- Tools
- ID Lists
- Settings

Tickets	LoadID	Date	Logs	Sum. Volume	Pricelist	Price	Load type	Dt. t..	Taj IB	W...	f	s	\	S	S	L	E	T	C	C	i	1	2
<input type="checkbox"/> T-1307-0001	LOAD 0717	07/17/13	203	211,445	InLine Fores...	2114,45	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0002	LOAD 0718	07/18/13	207	177,992	InLine Fores...	1779,92	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0003	KOAD 0719	07/19/13	186	160,602	InLine Fores...	1606,02	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0004	MOAD 0722	07/22/13	389	361,400	InLine Fores...	3614,00	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0005	MOAD 0723	07/23/13	231	171,578	InLine Fores...	1715,78	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0006	LOAD 0723	07/23/13	215	174,840	InLine Fores...	1748,40	WHOLE TREE	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0007	MOAD 0724	07/24/13	306	261,306	InLine Fores...	2613,06	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0008	LOAD 0726	07/26/13	291	290,776	InLine Fores...	2907,76	SHORT LOG	P..	0...	0,0												0	0
<input type="checkbox"/> T-1307-0009	LOAD 0729	07/29/13	229	214,060	InLine Fores...	2140,60	SHORT LOG	P..	0...	0,0												0	0

LOGSCALE - TICKET

LogScale - Tickets LogScale - Ticket

Lock/UnLock
 Ticket: T-1307-0004
 LoadID: MOAD 0722
 Date: 07/22/13
 Measuringmode: Metric
 Hauler:
 Scaler:
 Supplier:
 Source-ID:
 Location:
 Buyer:
 Tract-ID:
 Vendor:
 Load type: SHORT LOG
 Deduction-type: PERCENT
 Taper IB: 0,125
 Weight: 0
 GPS coord 1: 0.0000
 GPS coord 2: 0.0000
 Trim (cm): 10

Logs

Tag-number	Species name	Status	Small or Mid DIB 1 (mm)	Small or Mid DIB 2 (mm)	Length (measured) (m)	Vol. pricelist	Value	Function	Large (m)
18412	Southern yellow pine	In Stock	389,0	393,0	11,80	2,015	20,15	JAS-m3	
18413	Southern yellow pine	In Stock	345,0	351,0	11,80	1,645	16,45	JAS-m3	
18414	Southern yellow pine	In Stock	376,0	375,0	11,80	1,825	18,25	JAS-m3	
18415	Southern yellow pine	Scrap	448,0	440,0	11,80	2,640	26,40	JAS-m3	
18416	Southern yellow pine	In Stock	312,0	325,0	11,80	1,313	13,13	JAS-m3	
18417	Southern yellow pine	In Stock	348,0	353,0	11,80	1,645	16,45	JAS-m3	
18418	Southern yellow pine	In Stock	316,0	314,0	11,80	1,313	13,13	JAS-m3	
18419	Southern yellow pine	In Stock	422,0	420,0	11,80	2,422	24,22	JAS-m3	
18420	Southern yellow pine	Locked	334,0	350,0	11,80	1,474	14,74	JAS-m3	
			251,4	251,9	11,80	361,400	3614,00		



WORKFLOW SALES

In DP II Terminal LogScale DP

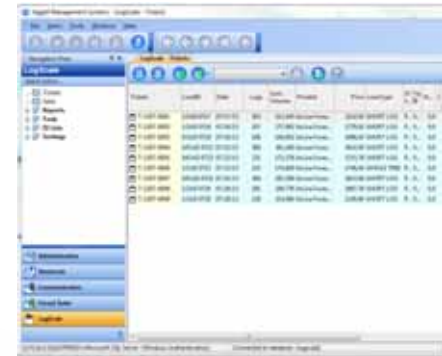
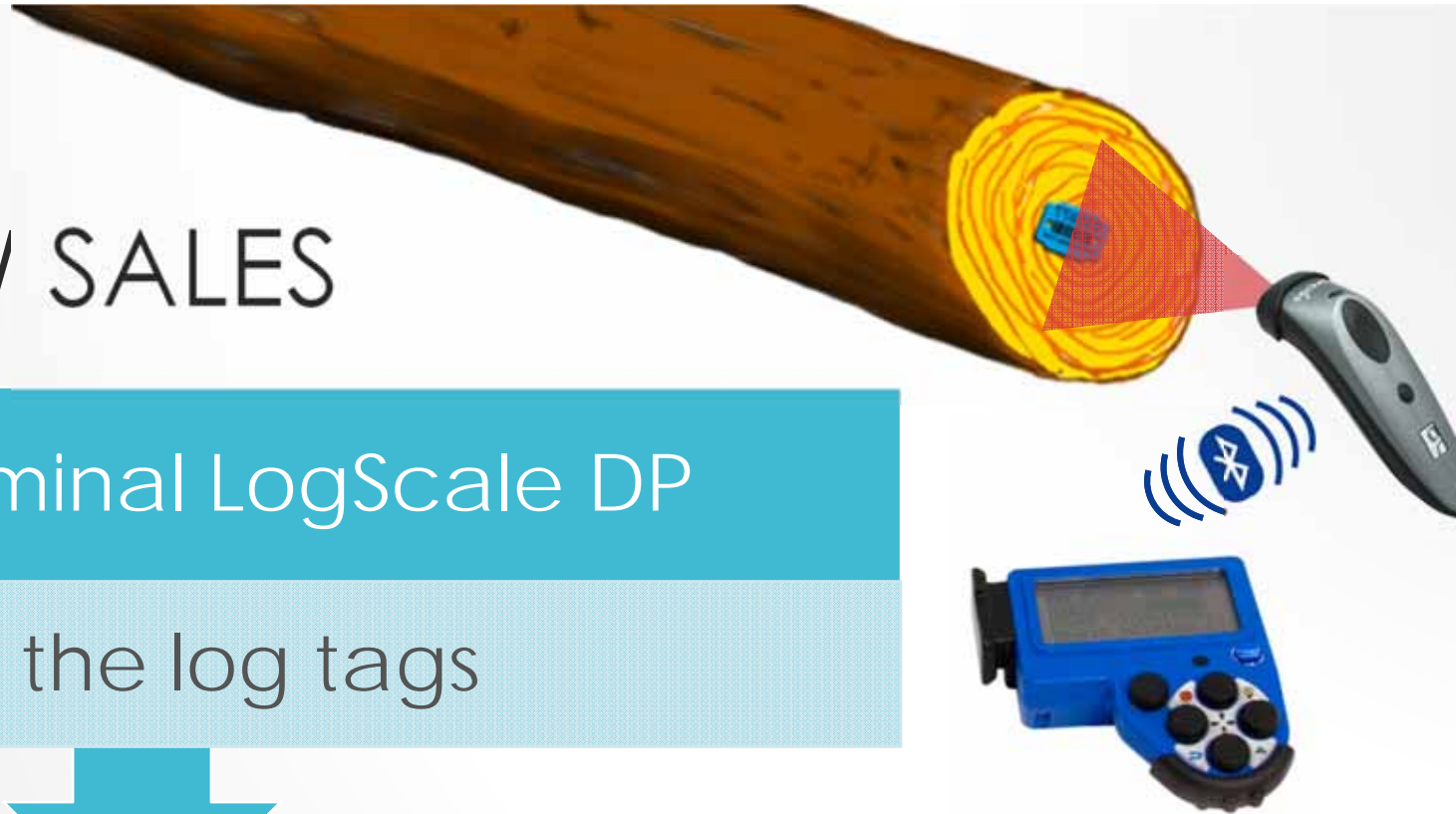
Scan the log tags



Import data into HMS LogScale Suite

New Sales ticket

Generate reports



LOGSCALE – SALES/DELIVERY NOTE

LogScale - Sales | LogScale - Sales; logs

ID: SL-1403-0001 | Scaler: Patrick

Name: Sale 21145 | Supplier: [dropdown]

Buyer: International Paper | Source-ID: [dropdown]

Created by: PATRICK | Location: [dropdown]

Date: 31/03/14 | Tract-ID: [dropdown]

Hauler: Jonasson timber trucks | Vendor: [dropdown]

Logs for sale

Drag column header here to group by that column

From Ticket	Tag-number	Species name	Small or Mid DIB 1	Small or Mid DIB 2	Length (measured)	Length (calculation)
T-1307-0004	18559	Southern yellow pine	208,000	205,000	11,800	11,700
T-1307-0004	18560	Southern yellow pine	195,000	202,000	11,800	11,700
T-1307-0004	18561	Southern yellow pine	310,000	306,000	11,800	11,700
T-1307-0004	18562	Southern yellow pine	203,000	204,000	11,800	11,700
T-1307-0004	18563	Southern yellow pine	242,000	243,000	11,800	11,700
T-1307-0004	18564	Southern yellow pine	338,000	335,000	11,800	11,700
T-1307-0004	18565	Southern yellow pine	209,000	223,000	11,800	11,700
T-1307-0004	18566	Southern yellow pine	267,000	272,000	11,800	11,700
T-1307-0004	18567	Southern yellow pine	215,000	217,000	11,800	11,700
			Small or Mid...	Small or Mid...	Length (mea...	Length (cal...
			245,376	246,136	11,800	11,700

American Log Handlers

Date: 31/03/14 | Location: International Paper | SourceID: [dropdown]
 Buyer: Jonasson timber trucks | TractID: Patrick | Vendor: [dropdown]
 Hauler: Patrick | Scaler: Patrick | Supplier: [dropdown]

Tag No	Species Code	DIB1 [mm]	DIB2 [mm]	Shortest	Shortest SED [cm]	Scaled SED [cm]	Meas Length [m]	Scaled Length [m]	L1	Volume price list [m3]	Volume function
18559	SYP	208	205	205	20.8	20	11.80	11.70	11	0.68	JAS-m3
18560	SYP	195	202	195	19.5	18	11.80	11.70	11	0.54	JAS-m3
18561	SYP	310	306	306	30.6	30	11.80	11.70	11	1.31	JAS-m3
18562	SYP	203	204	203	20.3	20	11.80	11.70	11	0.66	JAS-m3
18563	SYP	242	243	242	24.2	24	11.80	11.70	11	1.47	JAS-m3
18564	SYP	338	335	335	33.5	32	11.80	11.70	11	0.66	JAS-m3
18565	SYP	209	223	209	20.9	20	11.80	11.70	11	1.02	JAS-m3
18566	SYP	267	272	267	26.7	26	11.80	11.70	11	0.66	JAS-m3
18567	SYP	215	217	215	21.5	21	11.80	11.70	11	0.66	JAS-m3
18568	SYP	216	214	214	21.4	22	11.80	11.70	11	0.66	JAS-m3
18569	SYP	281	254	254	25.4	22	11.80	11.70	11	0.66	JAS-m3
18570	SYP	228	238	228	22.8	20	11.80	11.70	11	0.66	JAS-m3
18571	SYP	226	237	217	21.7	20	11.80	11.70	11	0.66	JAS-m3
18572	SYP	218	217	230	23.0	22	11.80	11.70	11	0.66	JAS-m3
18573	SYP	233	230	195	19.5	18	11.80	11.70	11	0.66	JAS-m3
18574	SYP	195	199	267	26.7	24	11.80	11.70	11	0.66	JAS-m3
18575	SYP	262	257	233	23.3	22	11.80	11.70	11	0.66	JAS-m3
18576	SYP	233	240	206	20.6	20	11.80	11.70	11	1.16	JAS-m3
18577	SYP	206	208	206	20.6	20	11.80	11.70	11	0.66	JAS-m3
18578	SYP	209	212	209	20.9	20	11.80	11.70	11	0.66	JAS-m3
18579	SYP	290	288	288	28.8	28	11.80	11.70	11	0.66	JAS-m3
18580	SYP	191	190	190	19.0	18	11.80	11.70	11	0.66	JAS-m3
18581	SYP	237	216	216	21.6	20	11.80	11.70	11	0.66	JAS-m3
18582	SYP	206	209	206	20.6	20	11.80	11.70	11	0.66	JAS-m3
18583	SYP	237	238	237	23.7	22	11.80	11.70	11	0.66	JAS-m3
18584	SYP	209	222	209	20.9	20	11.80	11.70	11	0.66	JAS-m3
18585	SYP	266	258	258	25.8	22	11.80	11.70	11	1.02	JAS-m3
18586	SYP	247	235	235	23.5	22	11.80	11.70	11	0.66	JAS-m3
18587	SYP	206	208	206	20.6	20	11.80	11.70	11	0.66	JAS-m3
18588	SYP	200	211	200	20.0	20	11.80	11.70	11	0.66	JAS-m3
18589	SYP	237	238	185	18.5	18	11.80	11.70	11	0.66	JAS-m3
18590	SYP	192	185	201	20.1	20	11.80	11.70	11	0.66	JAS-m3
18591	SYP	201	202	200	20.0	20	11.80	11.70	11	0.66	JAS-m3
18592	SYP	202	200	206	20.6	20	11.80	11.70	11	0.66	JAS-m3
18593	SYP	208	206	206	20.6	20	11.80	11.70	11	0.44	JAS-m3
18594	SYP	207	206	206	20.6	20	11.80	11.70	11	1.02	JAS-m3
18595	SYP	210	208	208	20.8	18	11.80	11.70	11	0.66	JAS-m3
18596	SYP	185	188	185	18.5	18	11.80	11.70	11	0.66	JAS-m3
18597	SYP	272	285	272	27.2	26	11.80	11.70	11	0.66	JAS-m3
18598	SYP	225	236	225	22.5	22	11.80	11.70	11	0.66	JAS-m3
18599	SYP	225	247	247	24.7	24	11.80	11.70	11	0.66	JAS-m3

Haglof Management Systems