



ArcelorMittal

Software **ACB+** (ArcelorMittal Cellular Beams)

V 3.00: New Database procedure

March 2013



ACB+ v3.0 : New Database procedure (DB)

- Updating of Sections ranges and Steel grades:
 - **Objective:**
 - to develop a unique DB Sections / Steel for all software
 - **Sections ranges:** Parallel flanges I sections

In Sales Programme:

Standards:

Software:

(Reduction of f_y)

- European: IPE, HE, HL, HD, HP
- British: UB, UC, UBP
- American: W, HP
- Russian: HG
- Japanese: H

- EN
- EN
- ASTM
- GOST
- JIS



- EN10025-2 or 4:2004
- EC3
- ETA-10/0156

→ **ACB+**: all ranges are available



ACB+ v3: New Database procedure

View on **ACB+** software interface :

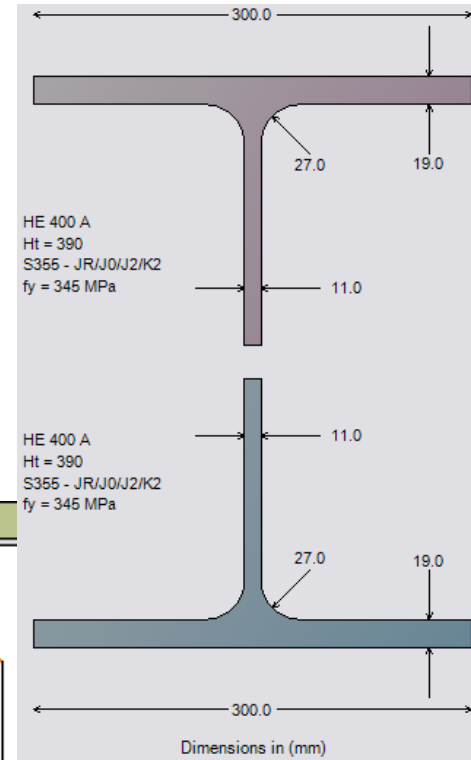
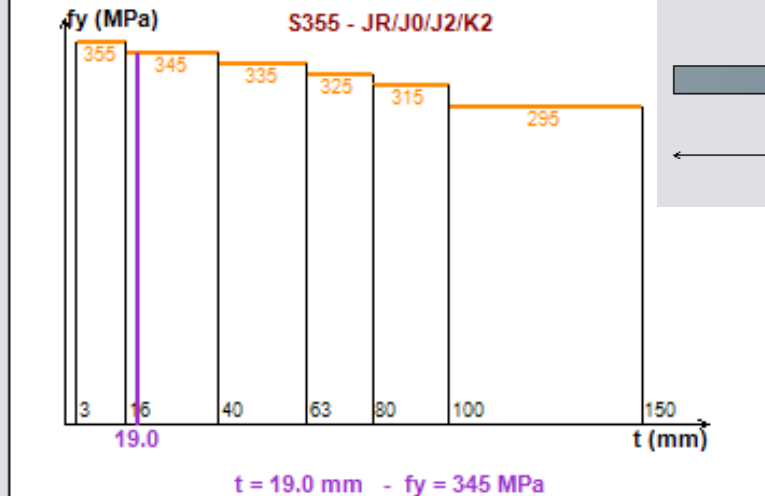
Section & Steel

SECTION

Serial	Profiles
IPE	HE 360 M
HE	HE 400 AA
HL	HE 400 A
HD	HE 400 B
HP	HE 400 M
UB	HE 450 AA
UC	HE 450 A
UBP	HE 450 B
W (metric)	HE 450 M
HP (metric)	HE 500 AA
HG (GOST)	HE 500 A
H (JIS)	HE 500 A

STEEL

Steel grade	Quality	Reduction curve
S235	JR/J0/J2	EN 10025-2 EC3
S275	JR/J0/J2	EN 10025-2 EC3
	M/ML	EN 10025-4 EC3
S355	JR/J0/J2/K2	EN 10025-2 EC3
	M/ML	EN 10025-4 EC3
HISTAR S355	HISTAR	ETA-10/0156
S450	J0	EN 10025-2 EC3
S460	M/ML	EN 10025-4 EC3



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ACB+ v3: New Database procedure

- *New DB procedure in service for **ACB+**: software available on www.arcelormittal.com/sections*
- *If new version of DB Sections/Steel: updates can automatically be done in software used with internet link*
- *New procedure will follow for Angelina software*