HPL/COMPACT PANELS

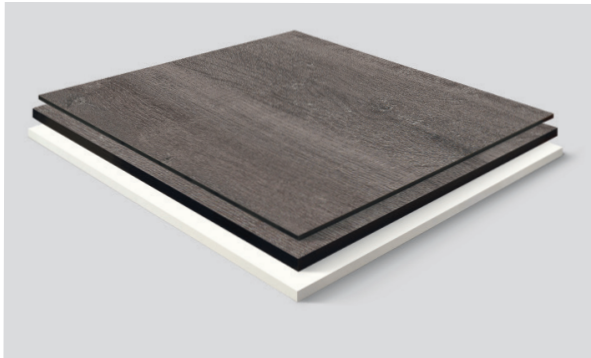**RAMPA®**
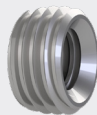
Good idea. Let's make it!

Strong connections for duroplastics using of HPL/compact panels example

Secure hold. Ideal for:

⇨ Furniture construction
⇨ Wet rooms / washbasins
⇨ Countertops
⇨ Facades
⇨ Interior construction

RAMPA®-Inserts
Type: E

- For panels with a minumum thickness of 6 mm
- High load capacity, despite small installation place
- Small edge distances
- Standard cutter/drill can be used
- Chip-free assembling
- High variety of materials, also in stainless steel

RAMPA®-Inserts
Type: BAS

- For materials with high strength/density
- Also for thin-walled applications
- Conical hub
- Cutting holes
- Chip-free assembling
- High variety of materials, also in stainless steel

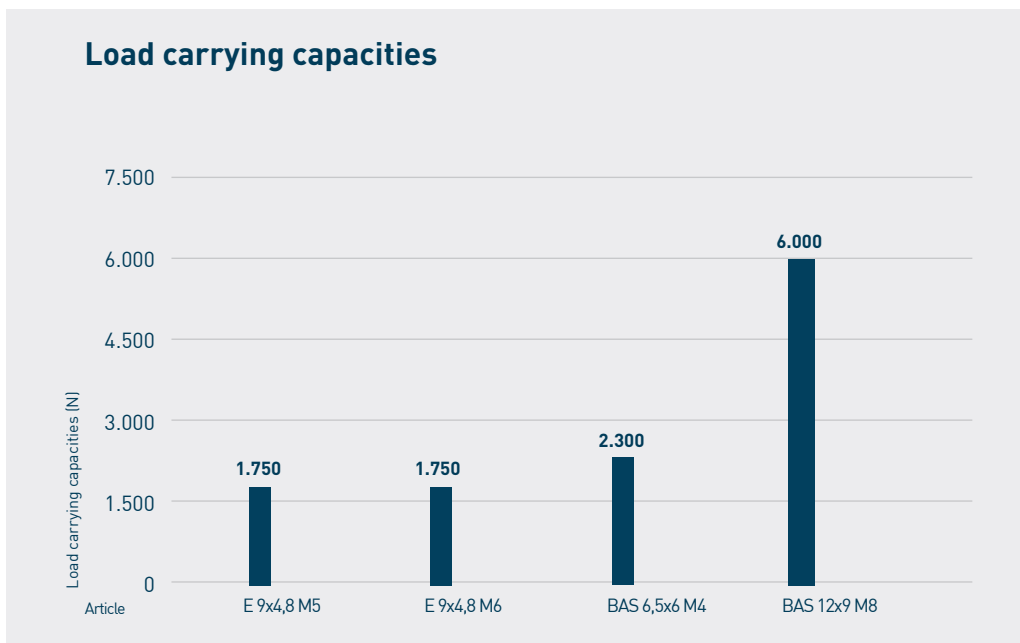The following product types can be used for HPL/compact panels as well: ES, BAN, BAV, ESK, ESD

RAMPA GmbH & Co. KG

Auf der Heide 8 **|** 21514 Büchen **|** Germany **|** Phone +49 (0) 4155 8141-601 **|** plastics@rampa.com **|** **www.rampa.com**

HPL/COMPACT PANELS

Strong connections for duroplastics using of HPL/compact panels example

	E (HPL)	BAS
High processing speed	+	-
Separate drive for assembling	-	-
Disassembly possible	-	-
Stainless steel in standard assortment	+	+
Material compaction through displacement	+	0
Low tension assembling	+	++
For thin-walled components	+	++
Chipless mounting	++	++
Stock goods	++	++
Fully automated assembling	+	+

Legend: **++** Very strong, **+** Strong, **-** Weak, **0** Not present

Load carrying capacities

Load carrying capacities [N]

Article	Value
E 9x4,8 M5	1.750
E 9x4,8 M6	1.750
BAS 6,5x6 M4	2.300
BAS 12x9 M8	6.000

* The reference load-carrying capacities mentioned before might vary in individual cases due to different mechanical properties depending on the material used.
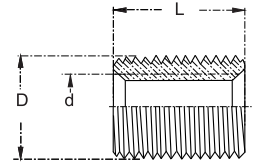
HPL/COMPACT PANELS

RAMPA®
Good idea. Let's make it!

The suitable inserts for HPL/compact panels

RAMPA®-Inserts | Type: E

* **REACH** conform   **RoHS** conform

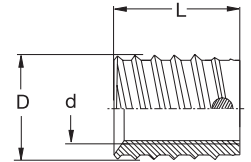| Art. No.	Outer-Ø D (mm)	Length L (mm)	Threadsize d (mm)	Panel thickness	Pre-drill-Ø (mm)	Steel blue zinc-plated	Stainless steel 1.4305
008509___	9	4,8	M5	6	8,5	✓	✓
008605___	9	4,8	M6	6	8,5	✓	✓
▲ Please complete						001	03

*We hereby inform you according to Article 33 - REACH, that this article contains the following substance identified as SVHC:
Lead (Pb); CAS: 7439-92-1 Date of Admission: 27.06.2018

Recommended RAMPA® assembling tools:

Driver | Type 515
Hexagonal shank
Art. No. 51550401
Art. No. 51560401

RAMPA®-Inserts | Type: BAS

* **REACH** conform   **RoHS** conform

Art. No.	Outer-Ø D (mm)	Length L (mm)	Threadsize d (mm)	Pre-drill-Ø (mm)	Steel hardened blue zinc-plated	Stainless steel 1.4305
016406___	6,5	6	M4	6	✓	✓
016809___	12	9	M8	11,1	✓	✓
▲ Please complete					061	03

*We hereby inform you according to Article 33 - REACH, that this article contains the following substance identified as SVHC:
Lead (Pb); CAS: 7439-92-1 Date of Admission: 27.06.2018

Recommended RAMPA® assembling tools:

Driver | Type 515
Hexagonal shank
Art. No. 51540001
Art. No. 51580001