# Belastungsdiagramme

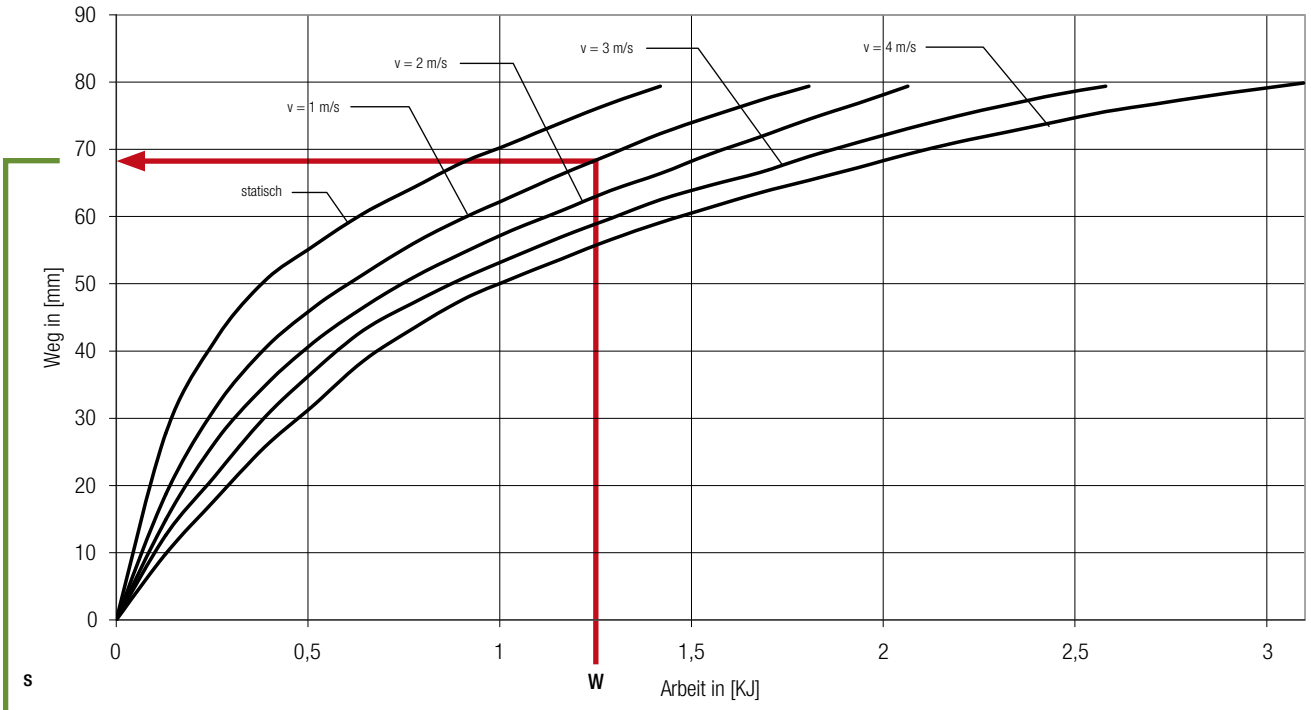
## Programm 0180 Cell-Puffer

CONDUCTIX wampfler

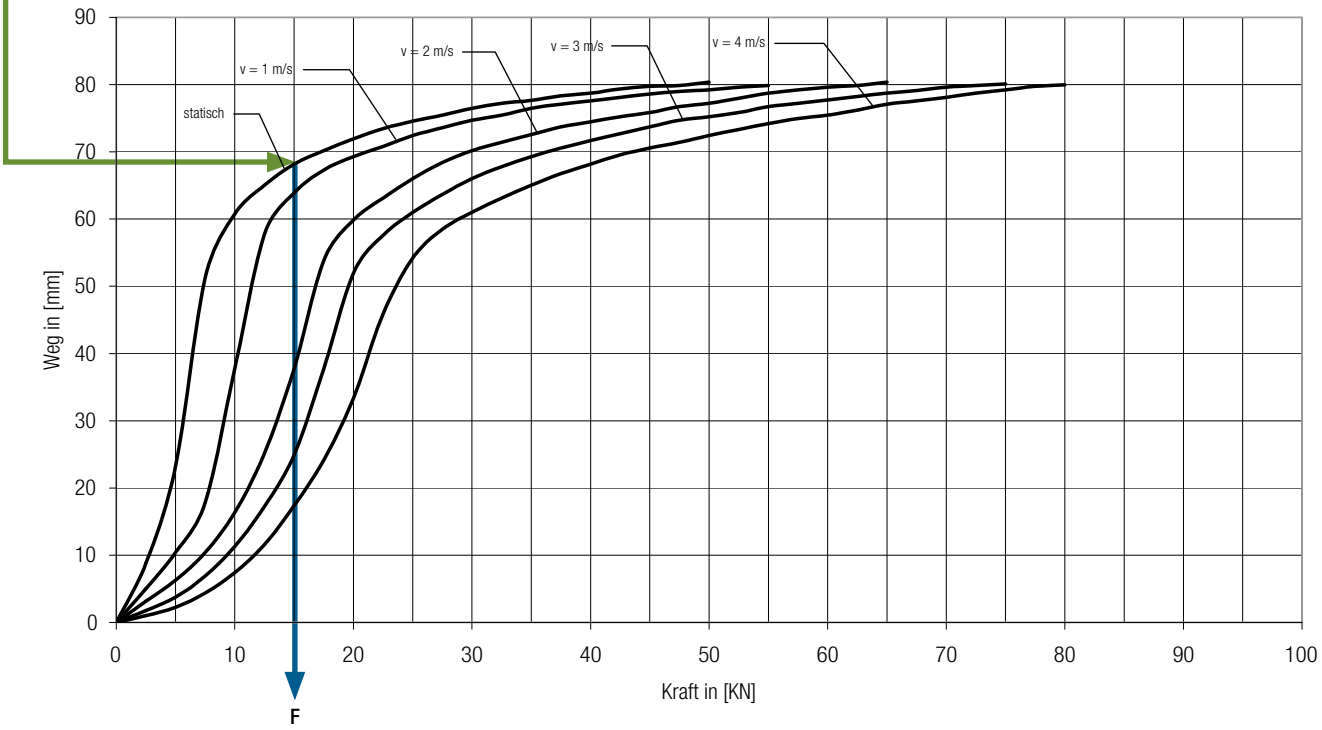
DELACHAUX GROUP

## Berechnungsbeispiel

**100 x 100 Arbeitsaufnahme**




**100 x 100 Endkraft**




1. Berechnung der Energie pro Puffer: **W = ½ m × v²**
2. Kompressionsweg des Puffers aus Tabelle auslesen
3. Endkraft des Puffers aus Tabelle auslesen
4. Ergebnis und Kontrolle

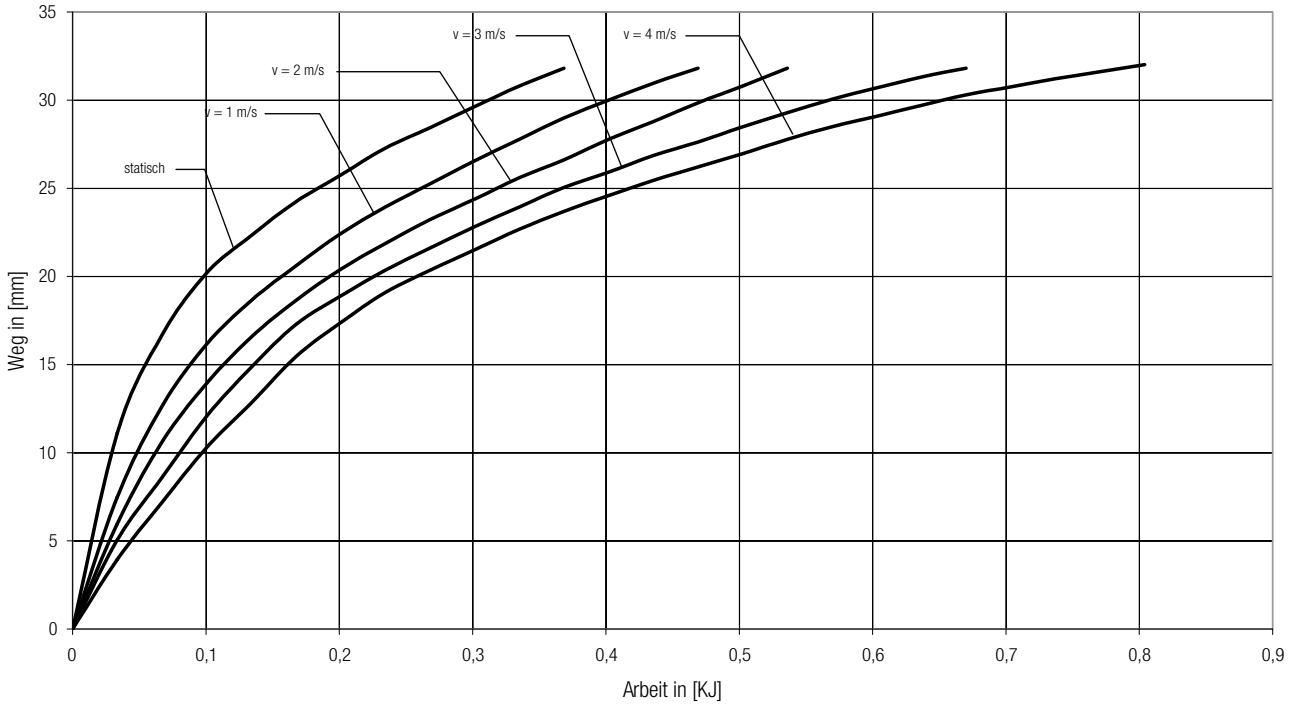
→ $S < 0{,}8 \times h$

→ $F < F_{max}$ der Kranstruktur

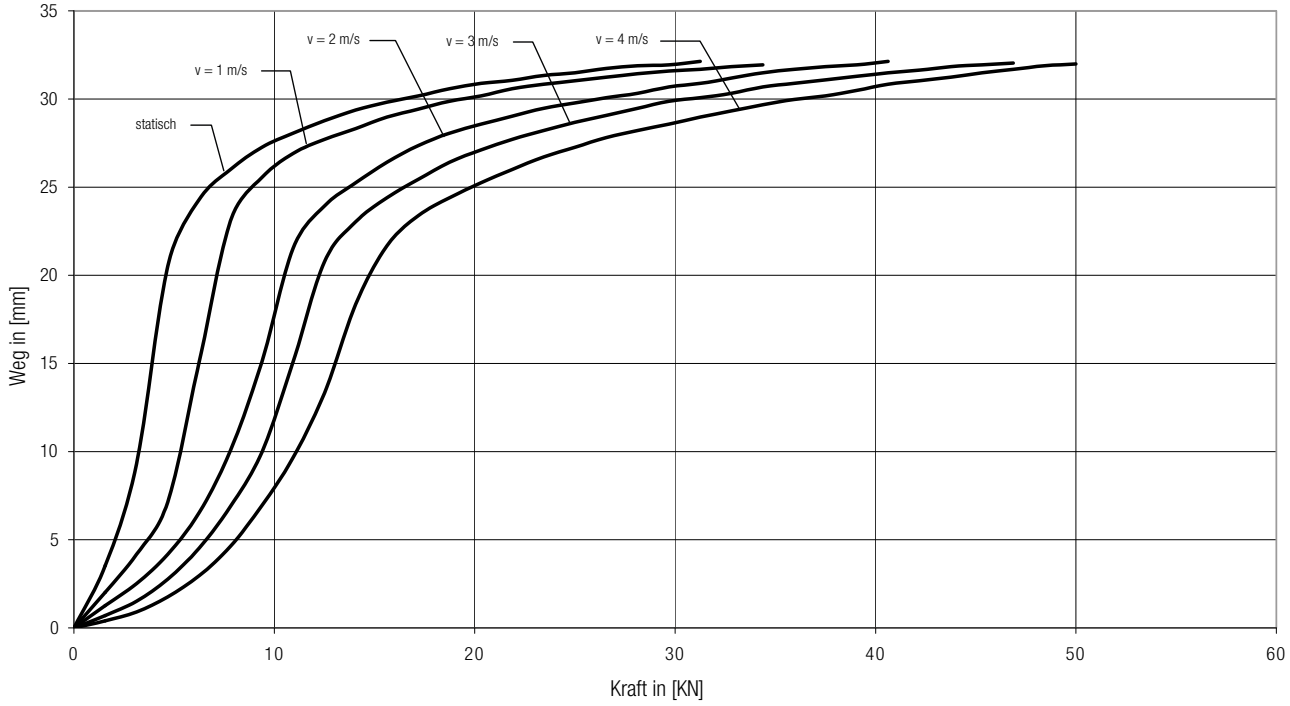
→ $a = v^2/2s < a_{max}$

**W = Arbeitsaufnahme [J]**
**s = Weg [mm]**
**F = Kraft [kN]**
**v = Geschwindigkeit [m/s]**
**m = Masse [kg]**
**h = Höhe Pufferkörper**
**a = Verzögerung**

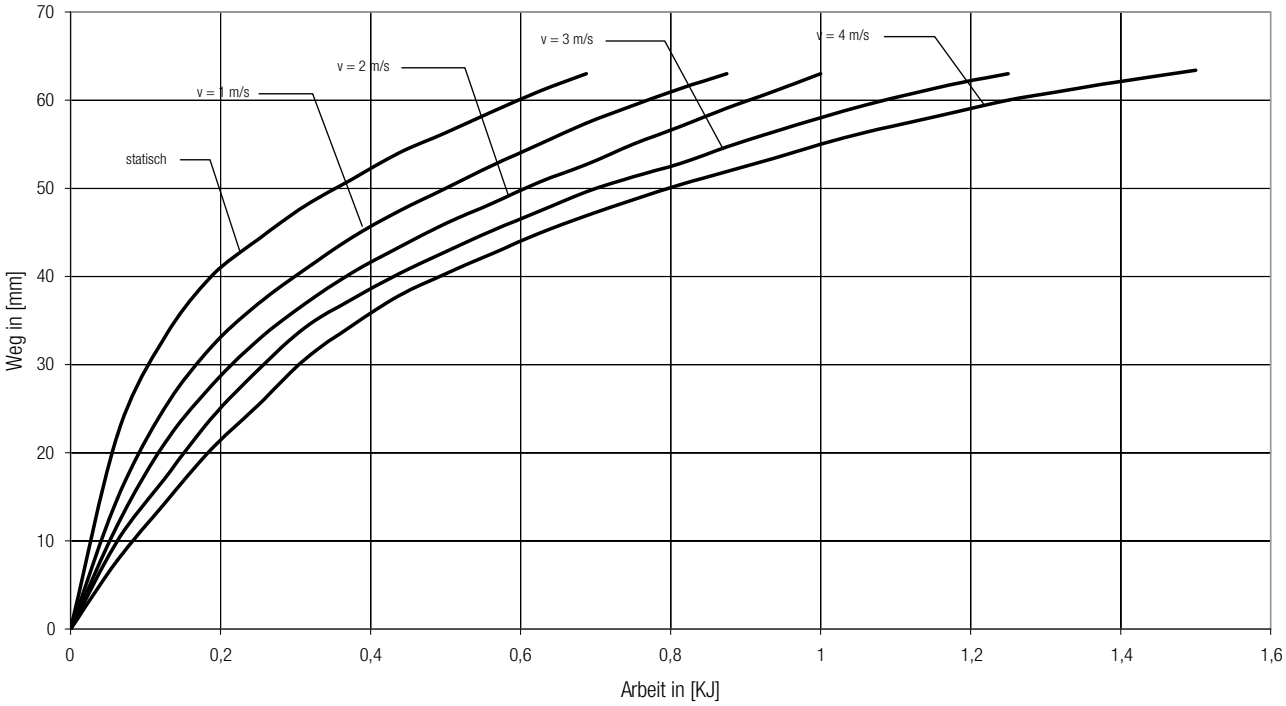
## 80 x 40 Arbeitsaufnahme



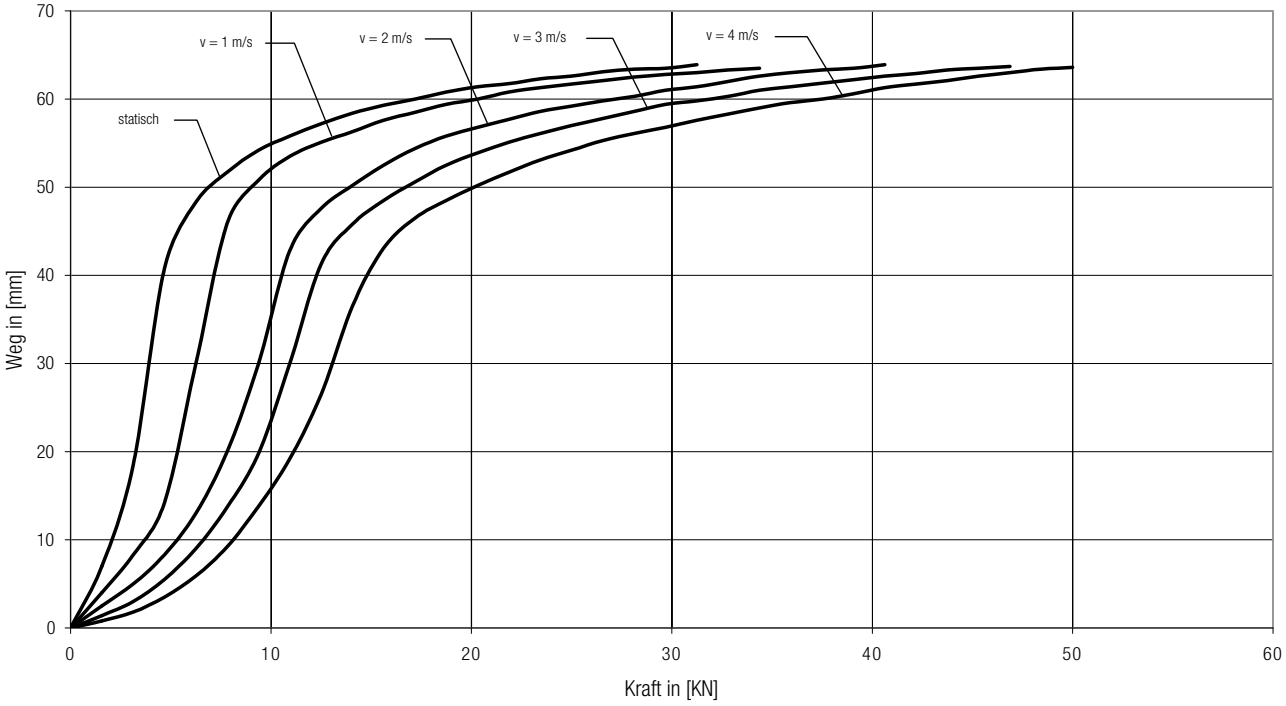

## 80 x 40 Endkraft



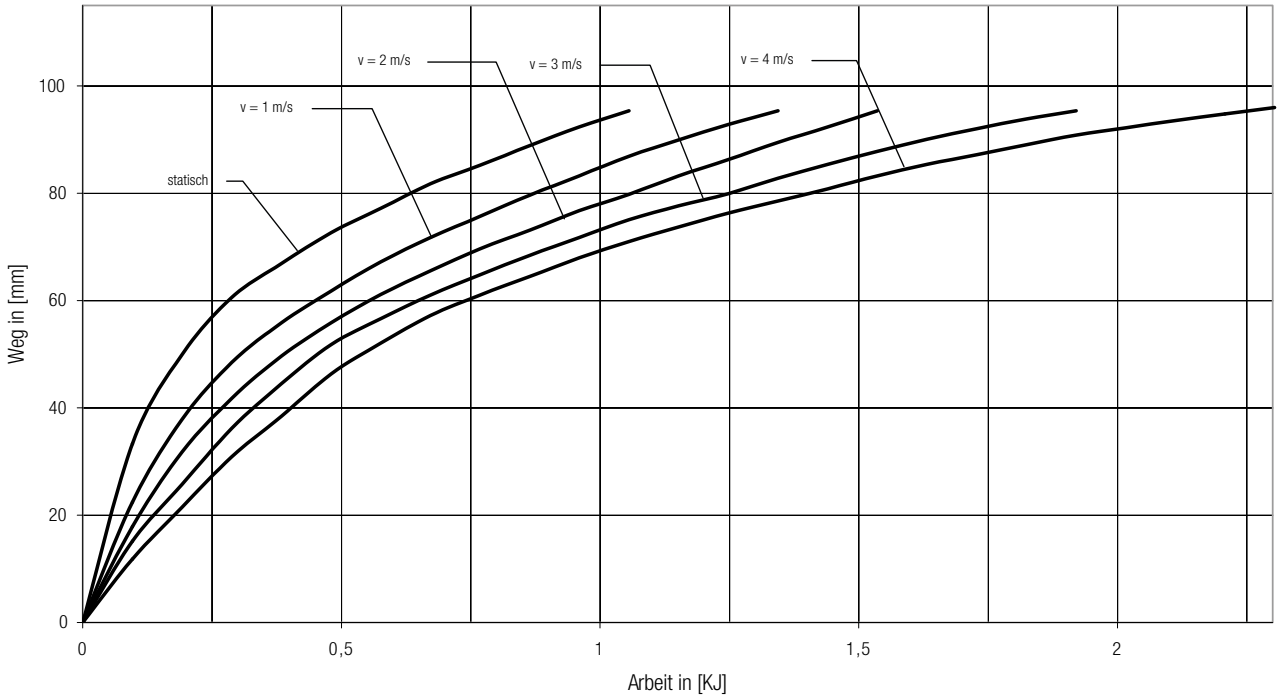
## 80 x 80 Arbeitsaufnahme




## 80 x 80 Endkraft



## 80 x 120 Arbeitsaufnahme

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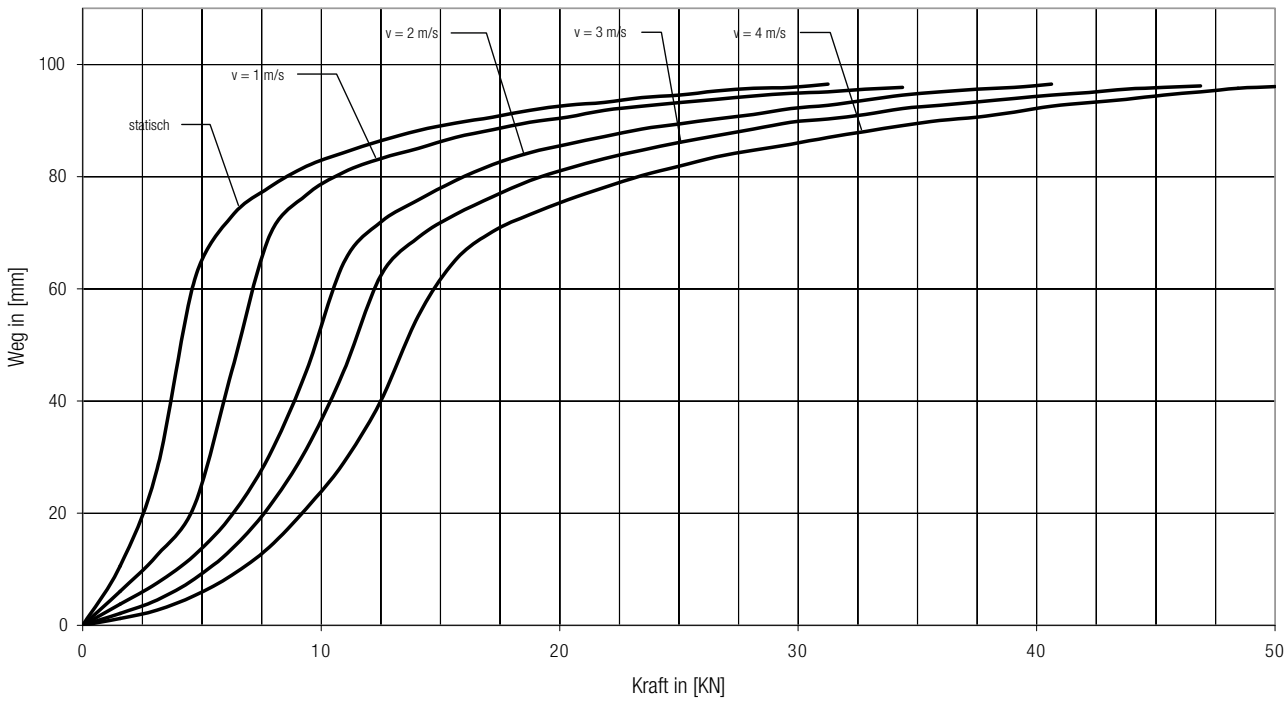

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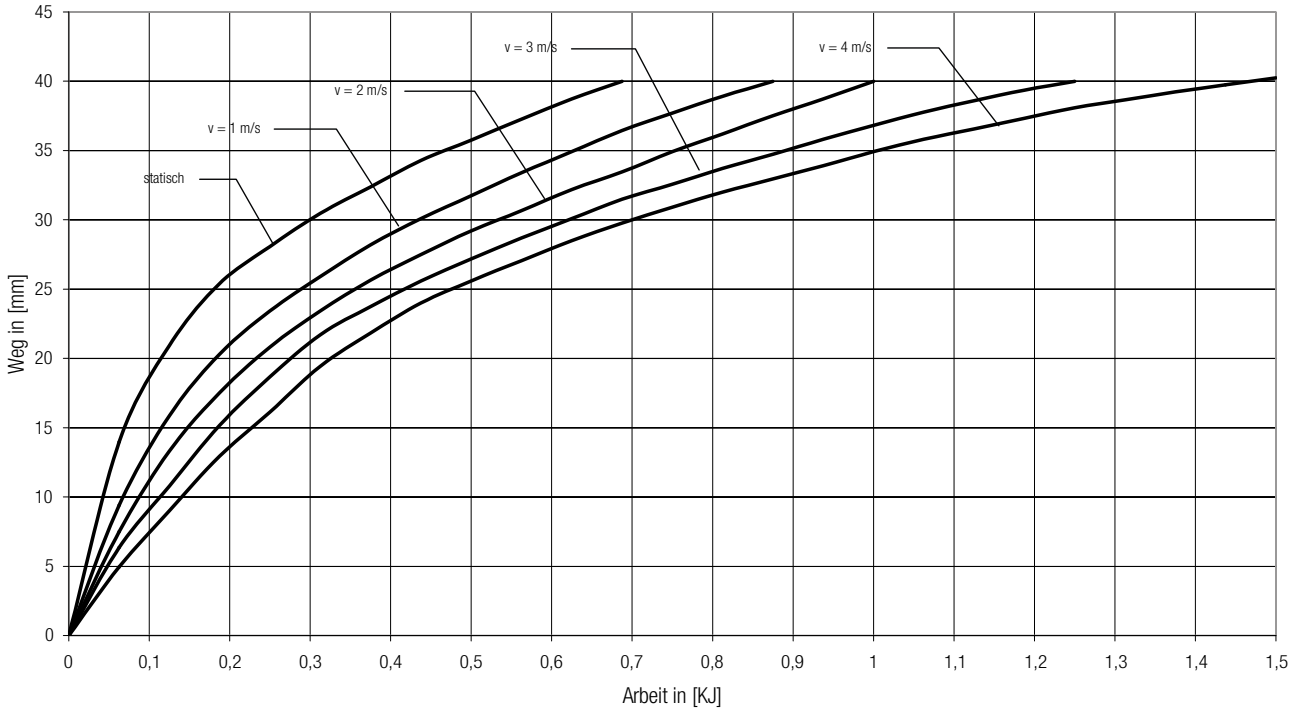


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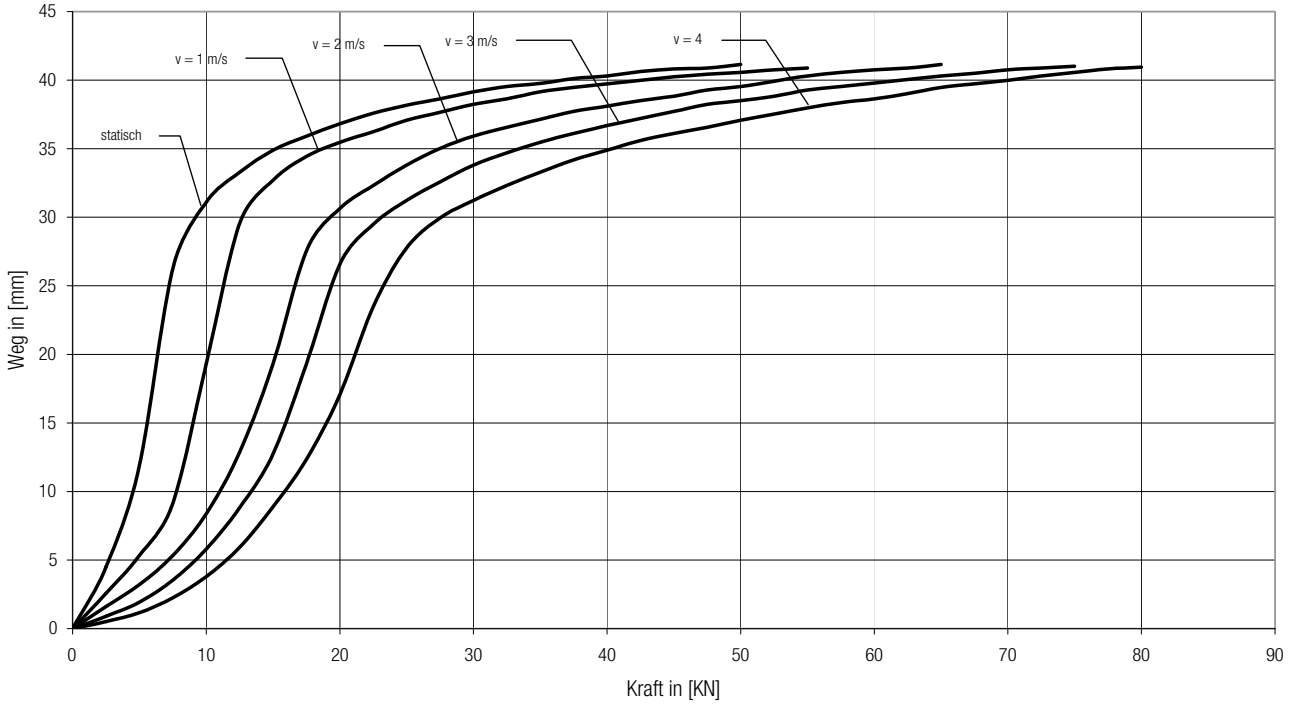

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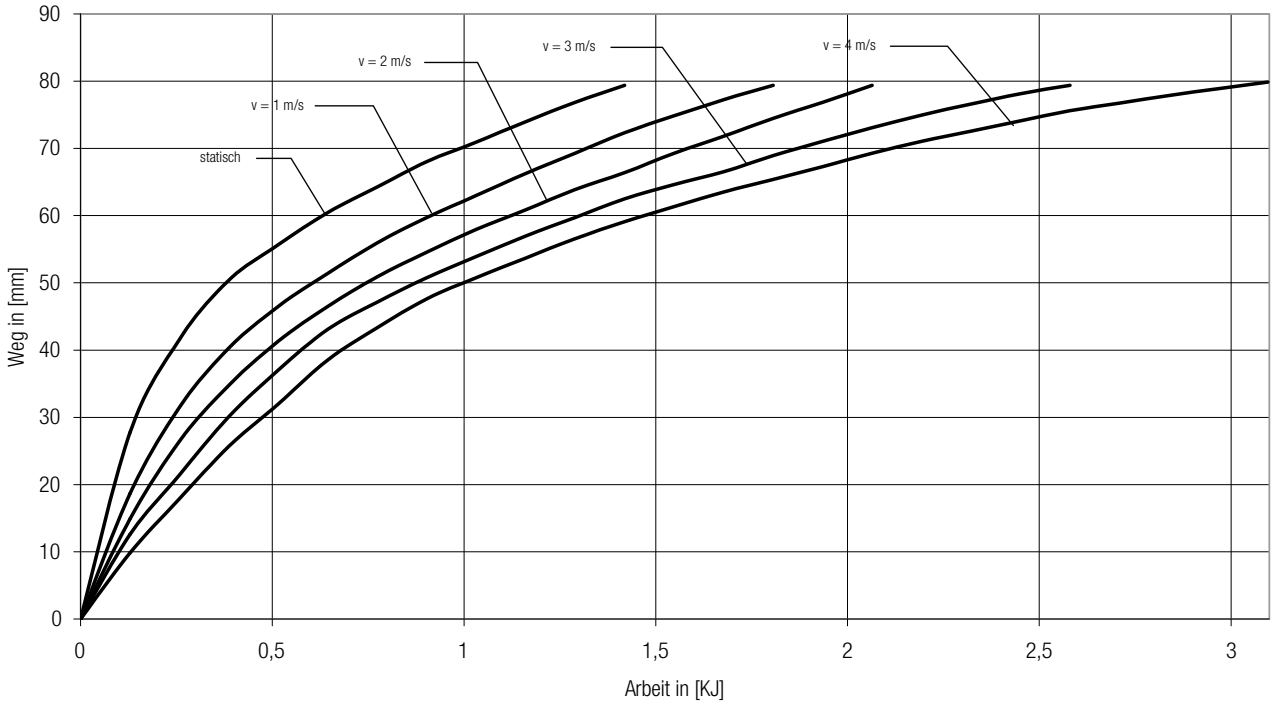


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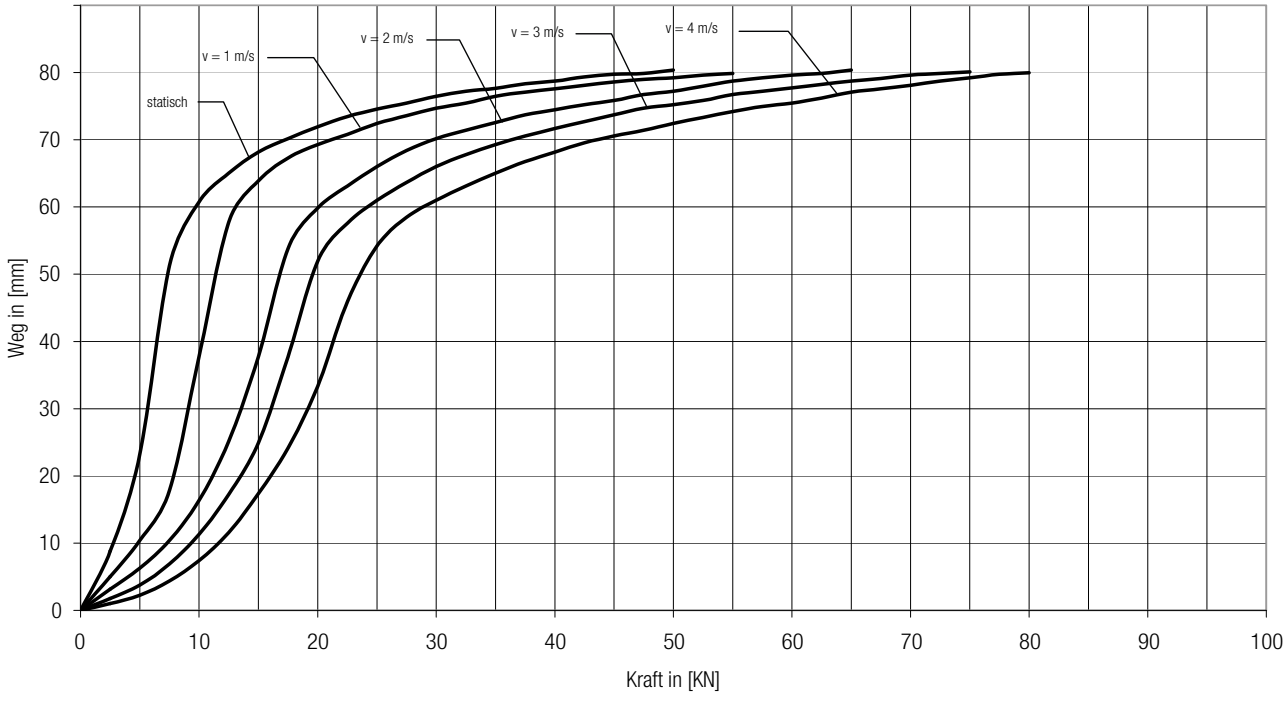

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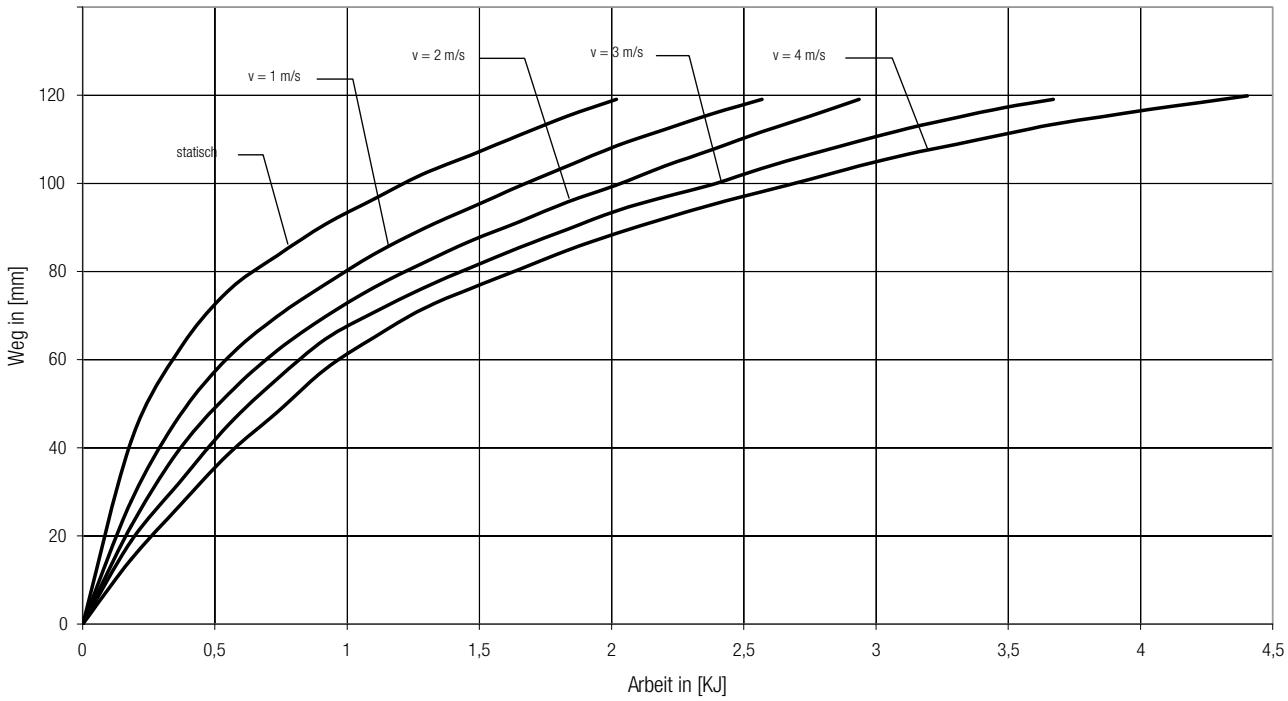


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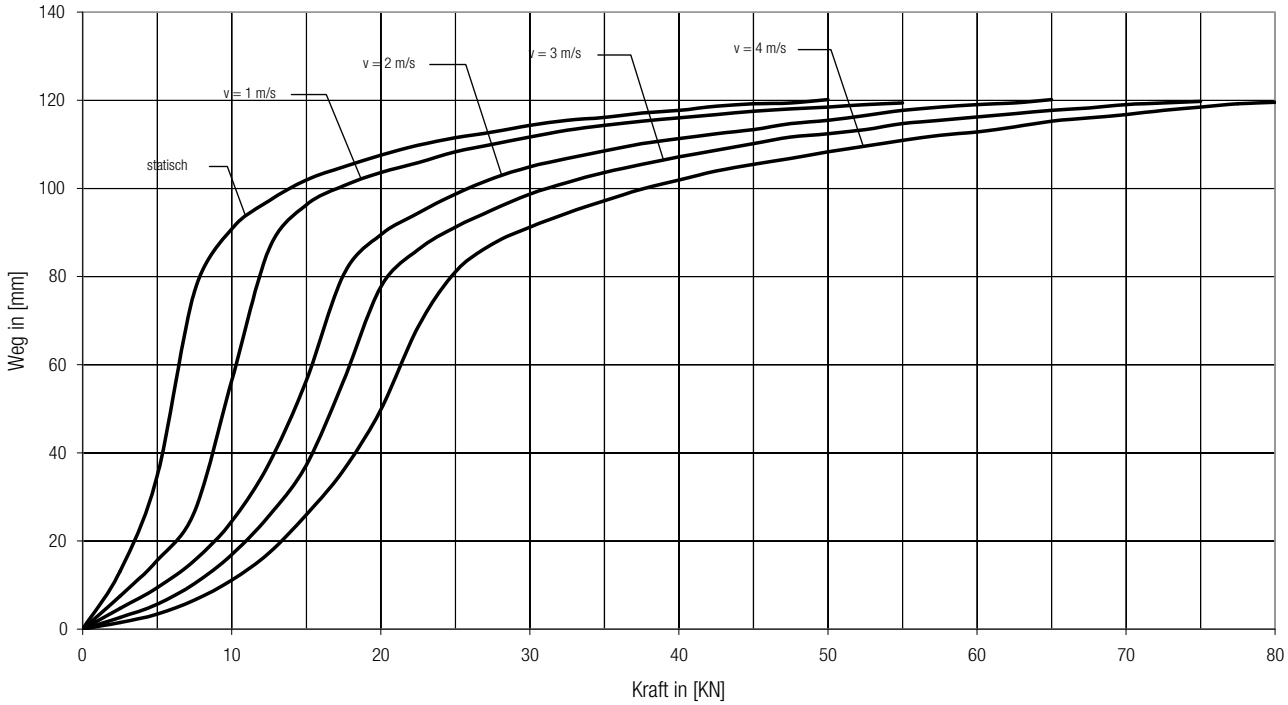
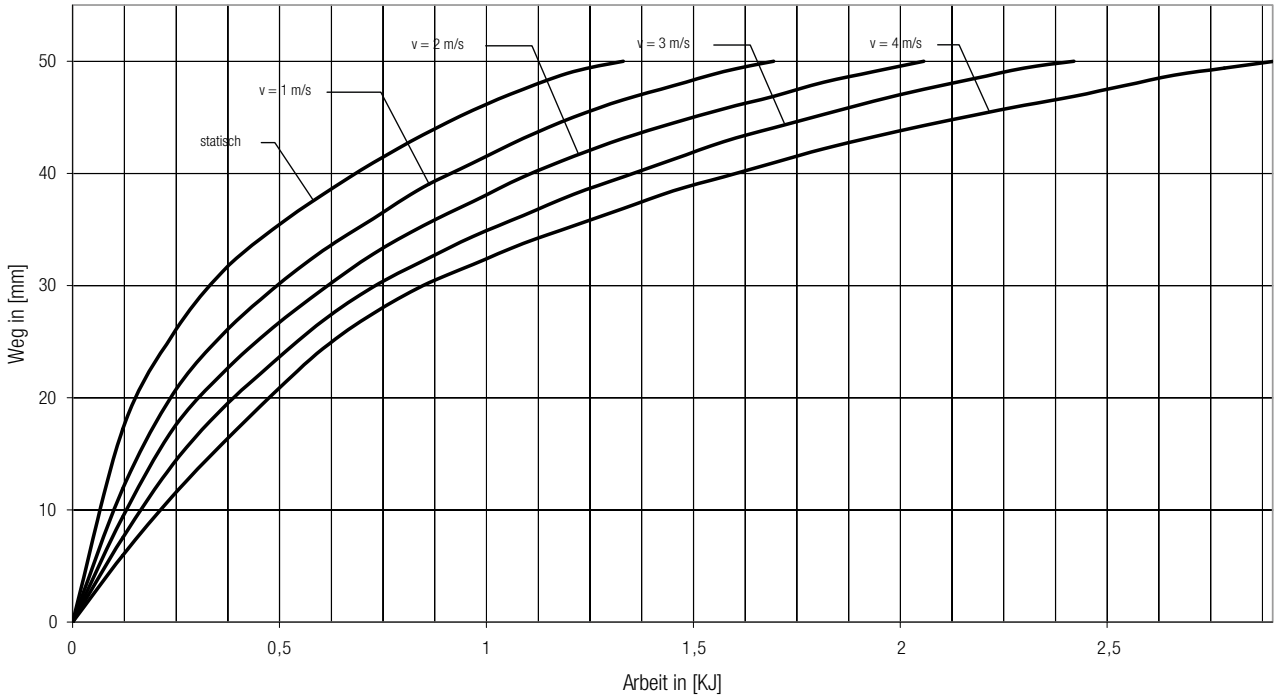


## 125 x 63 Arbeitsaufnahme

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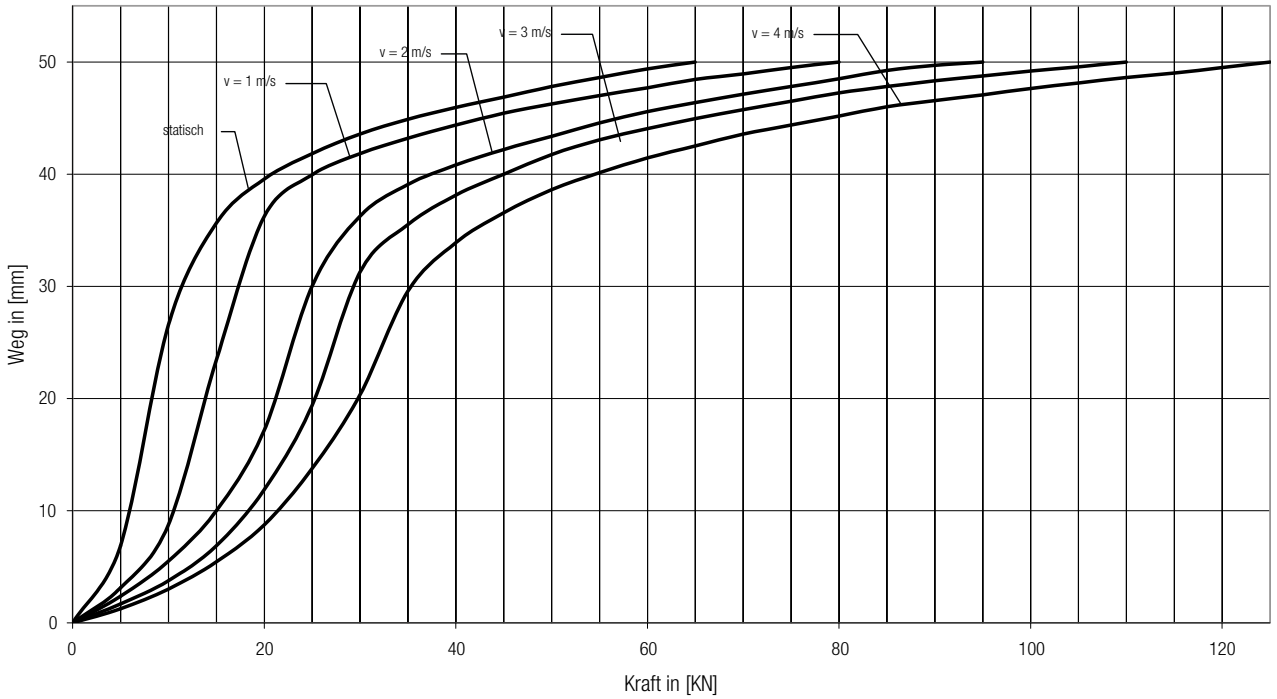

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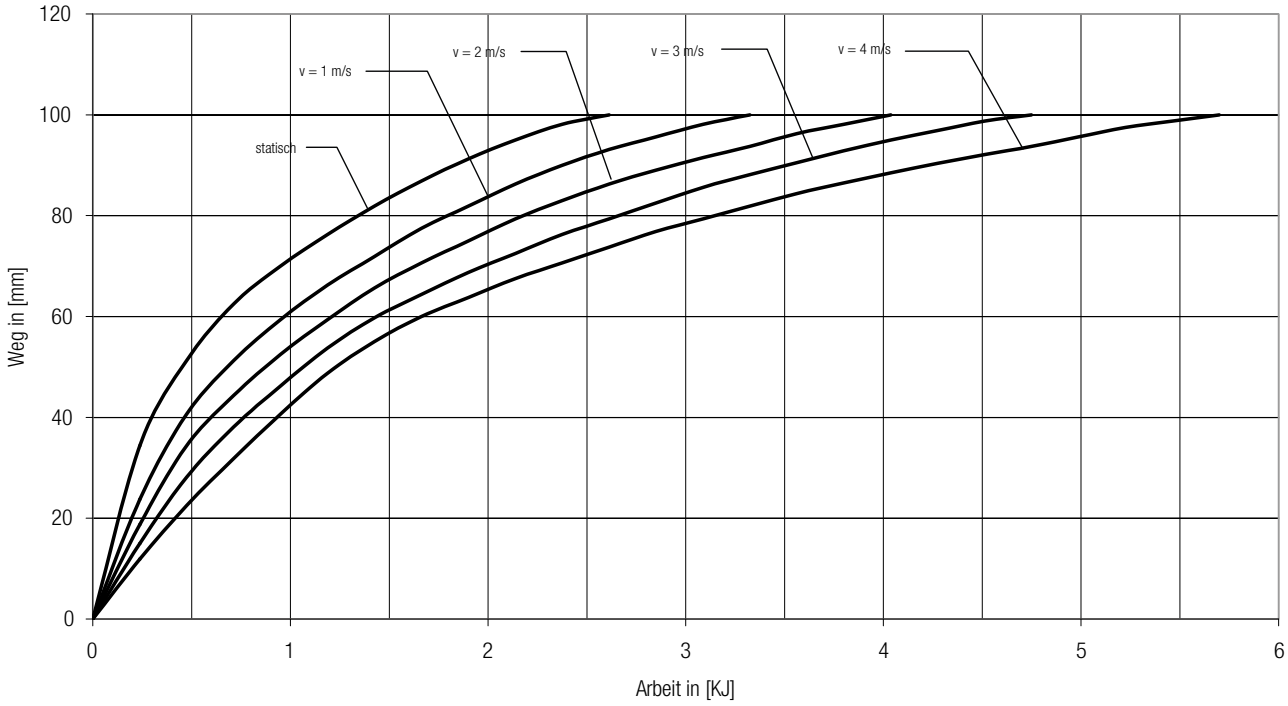


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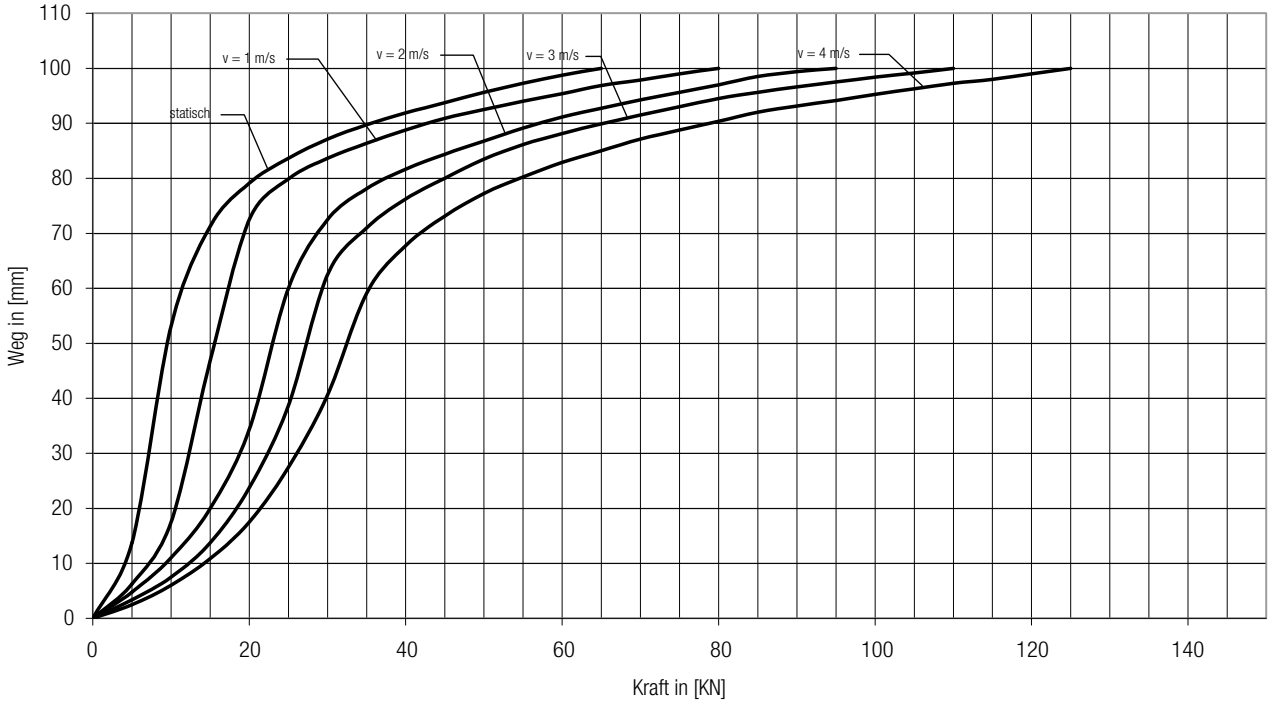

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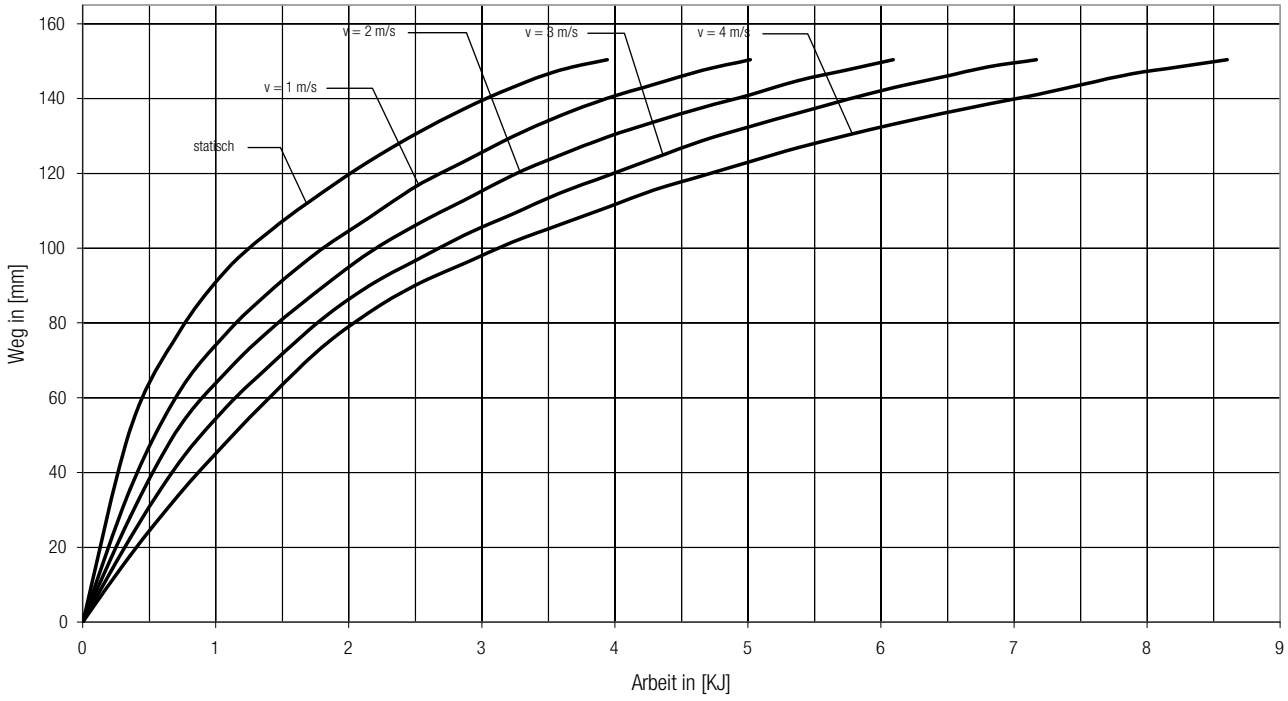


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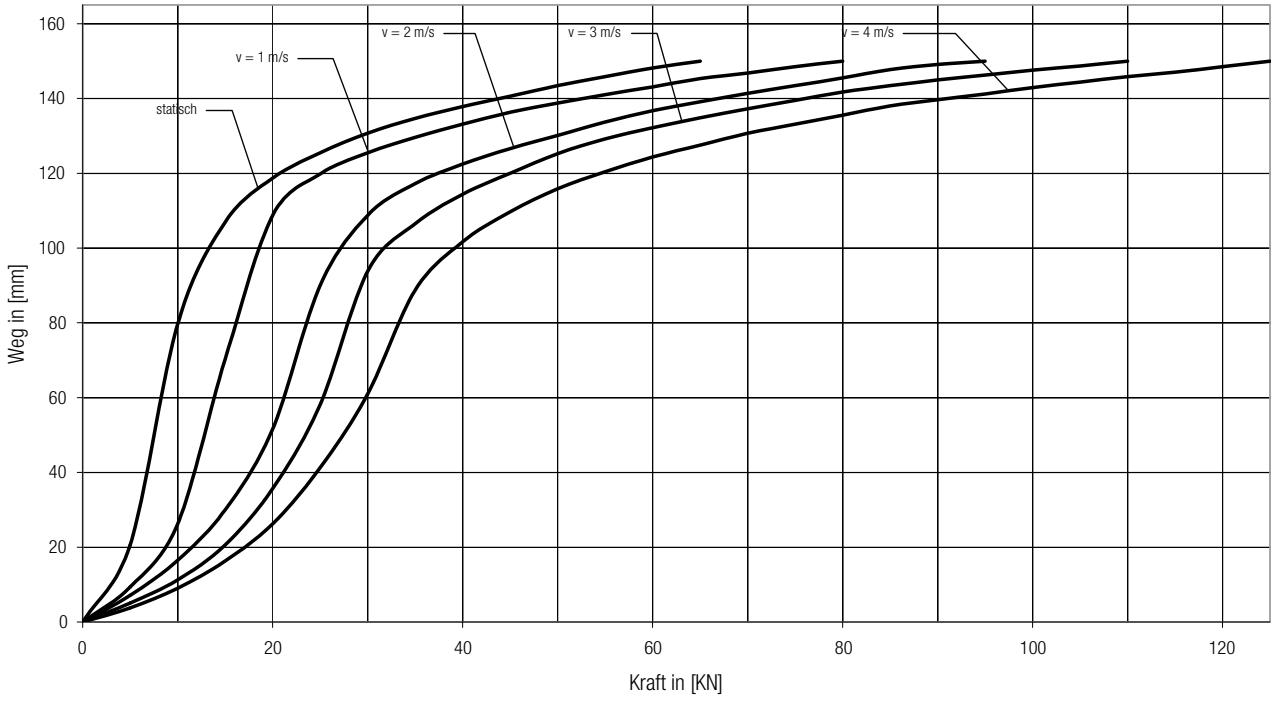

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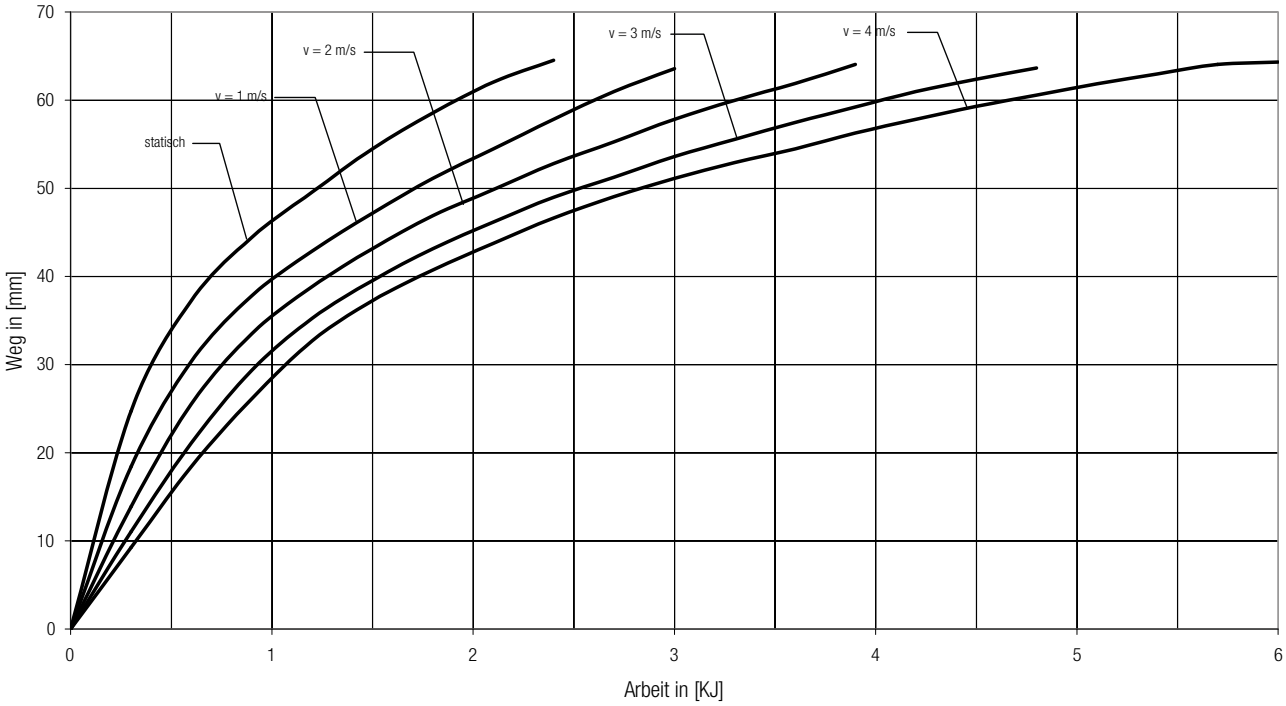


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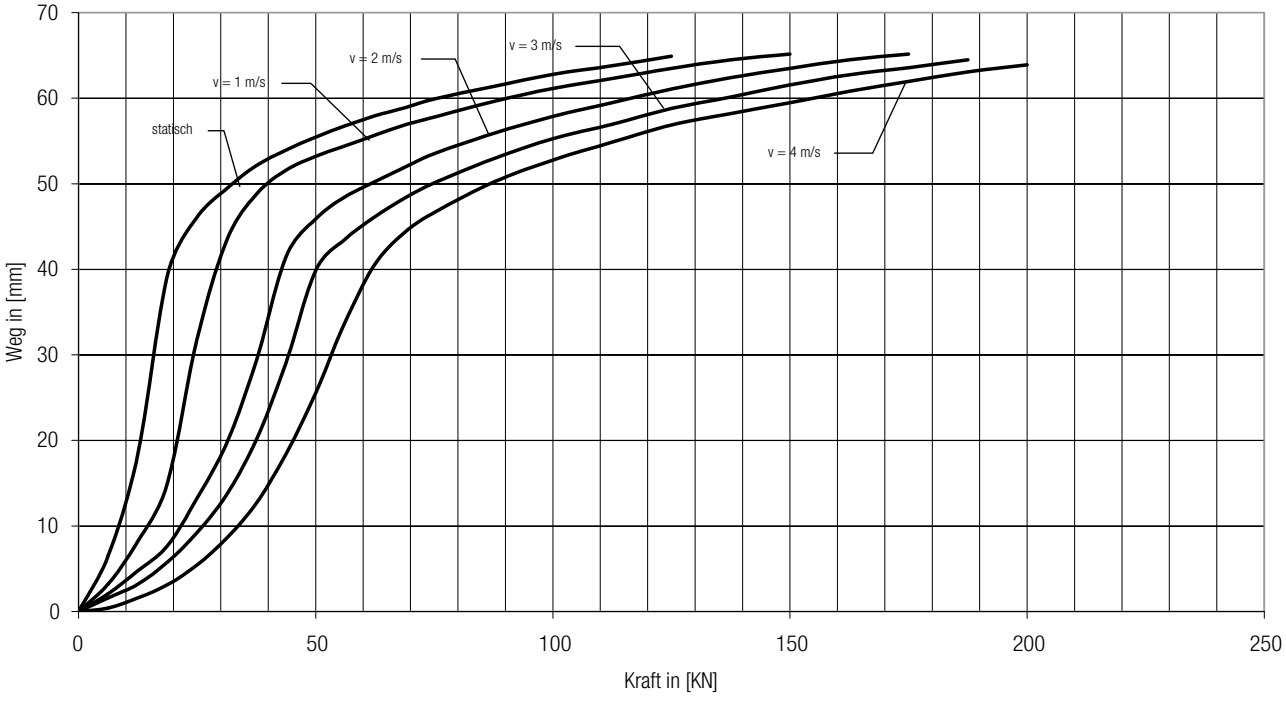

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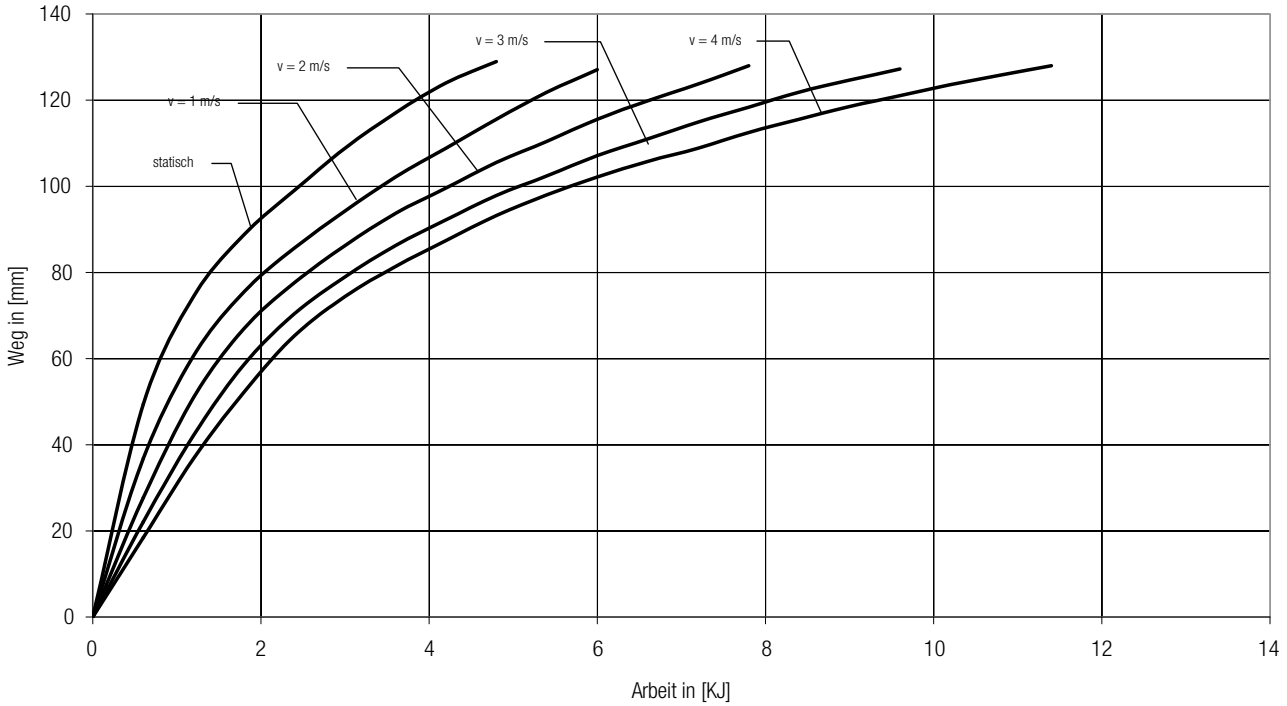


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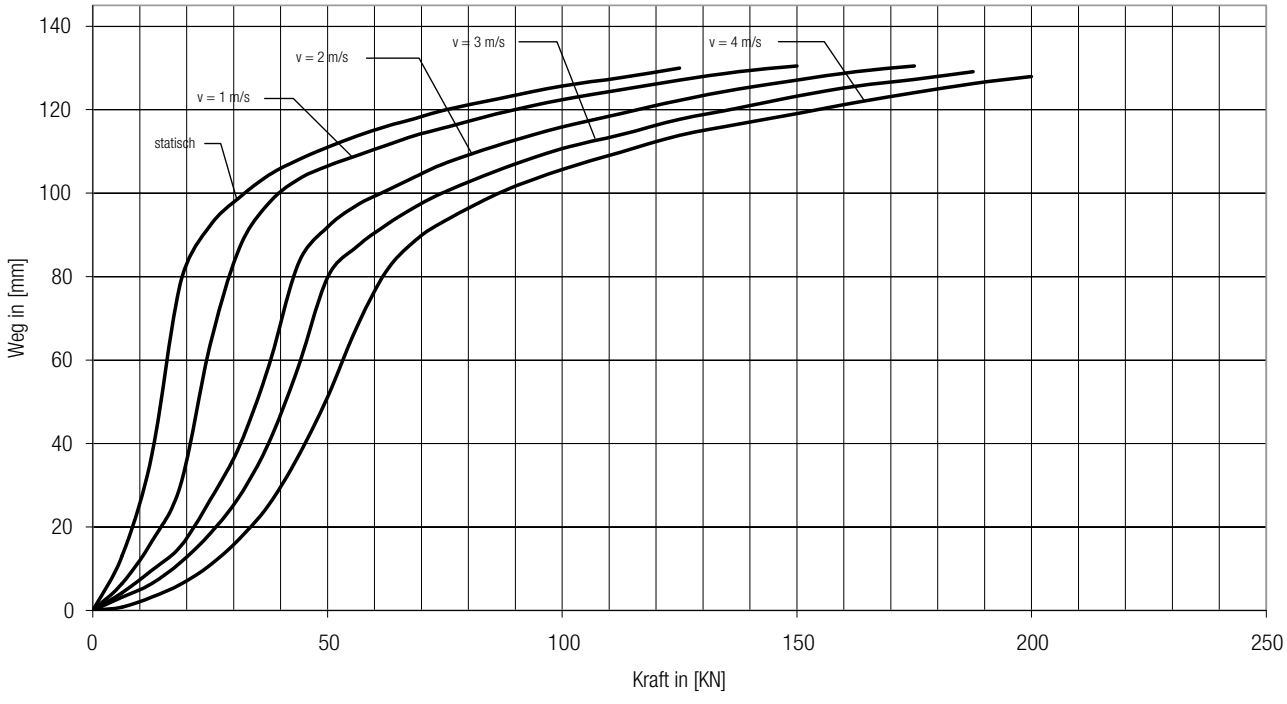

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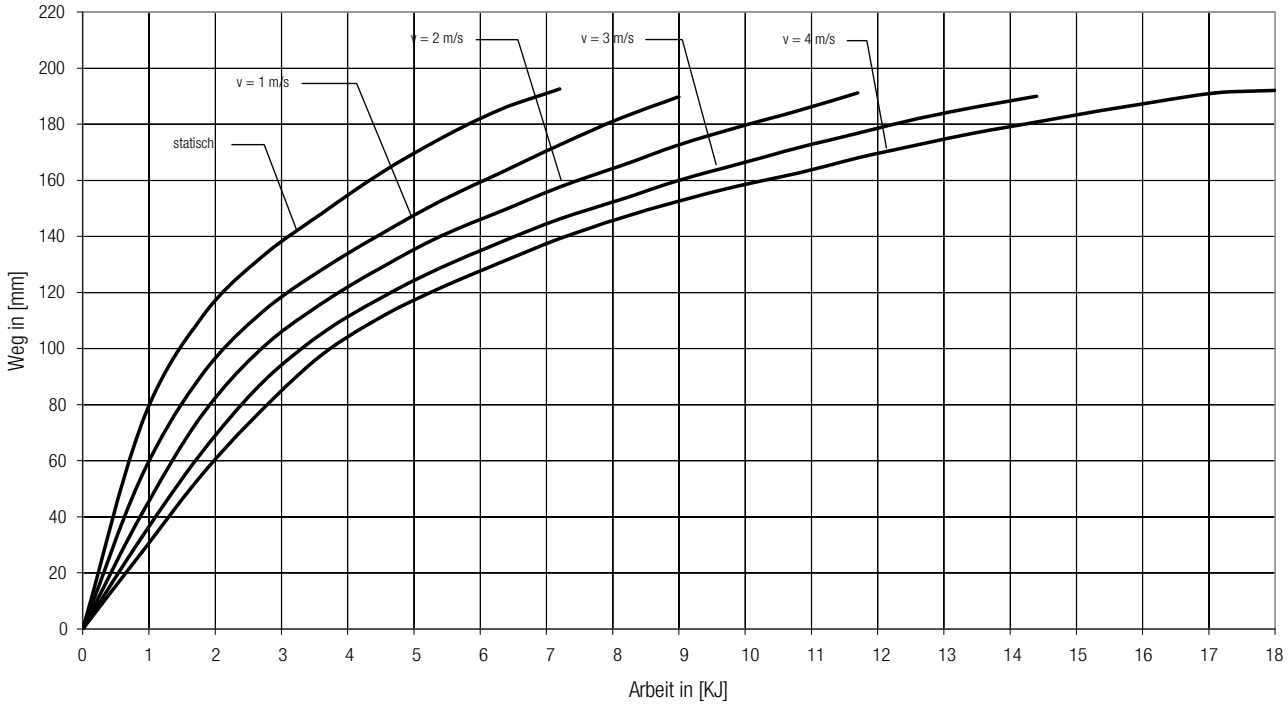


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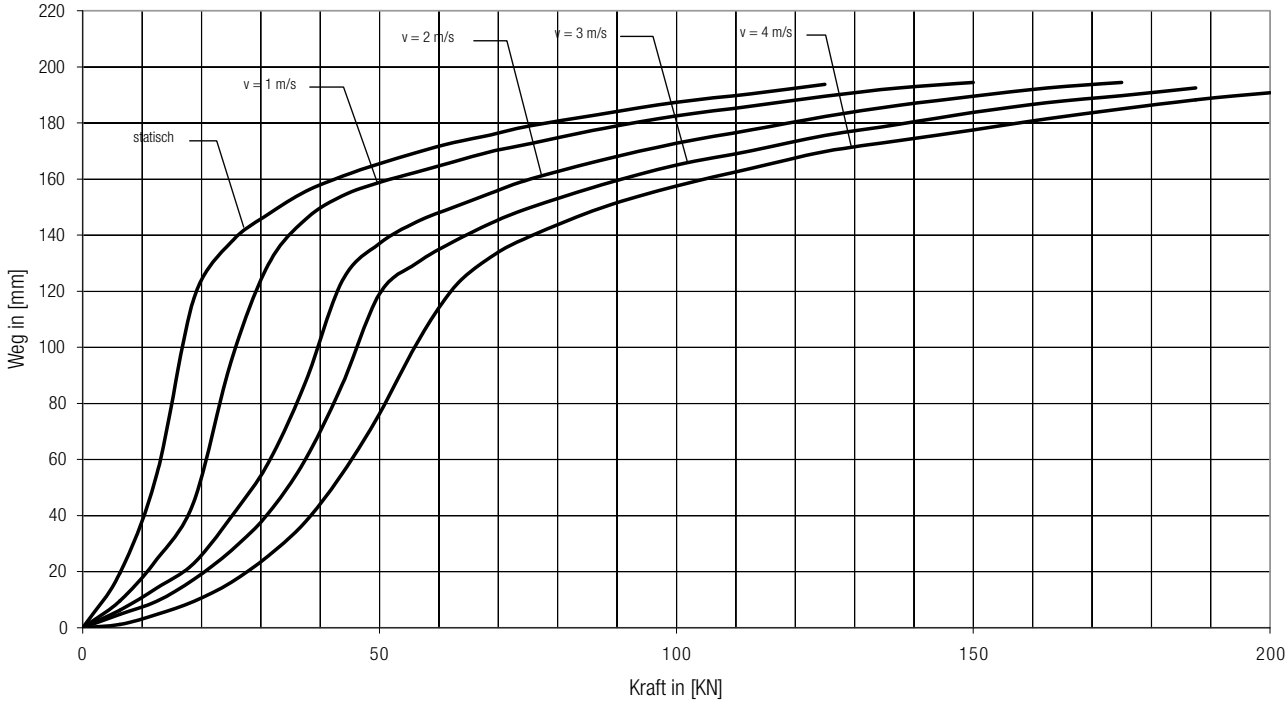

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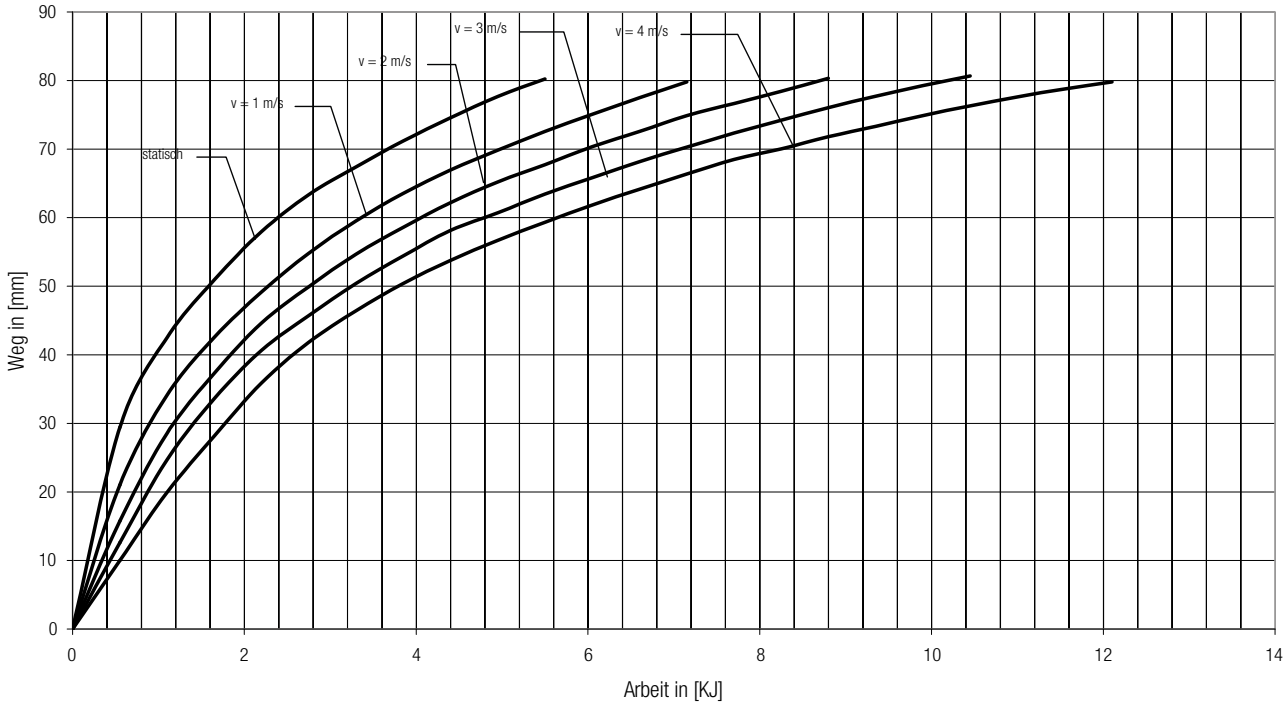


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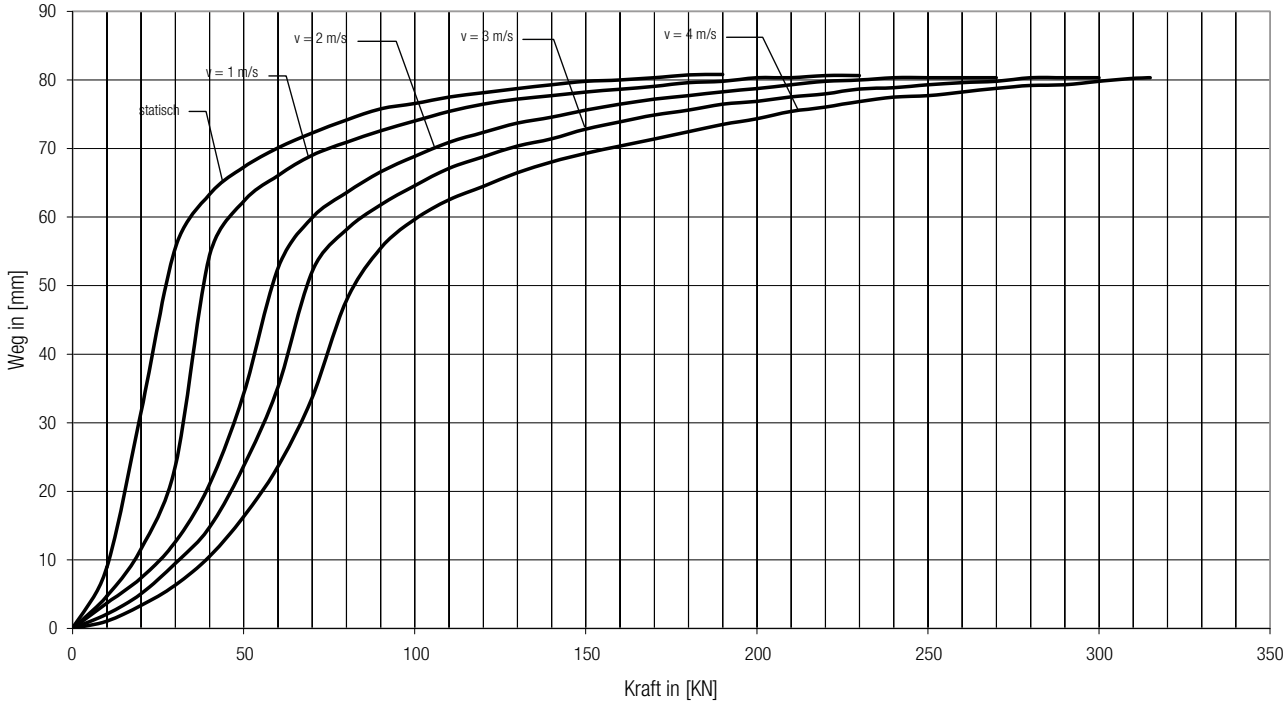

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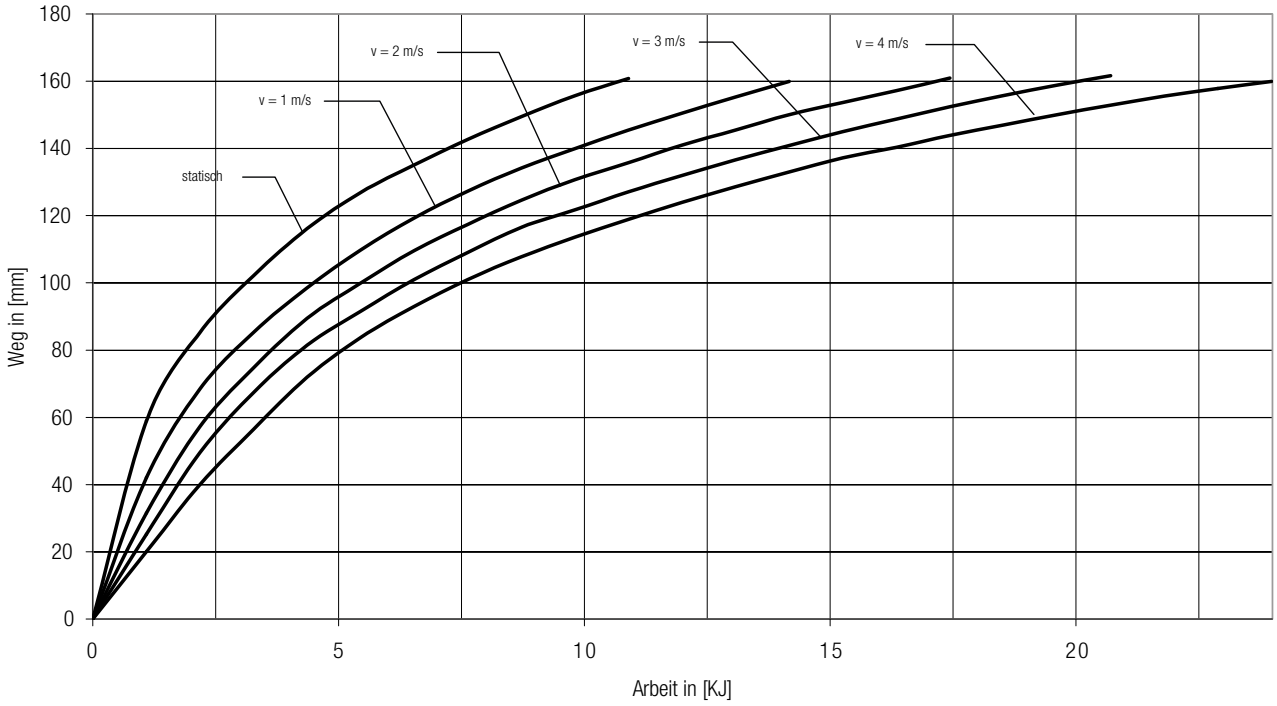


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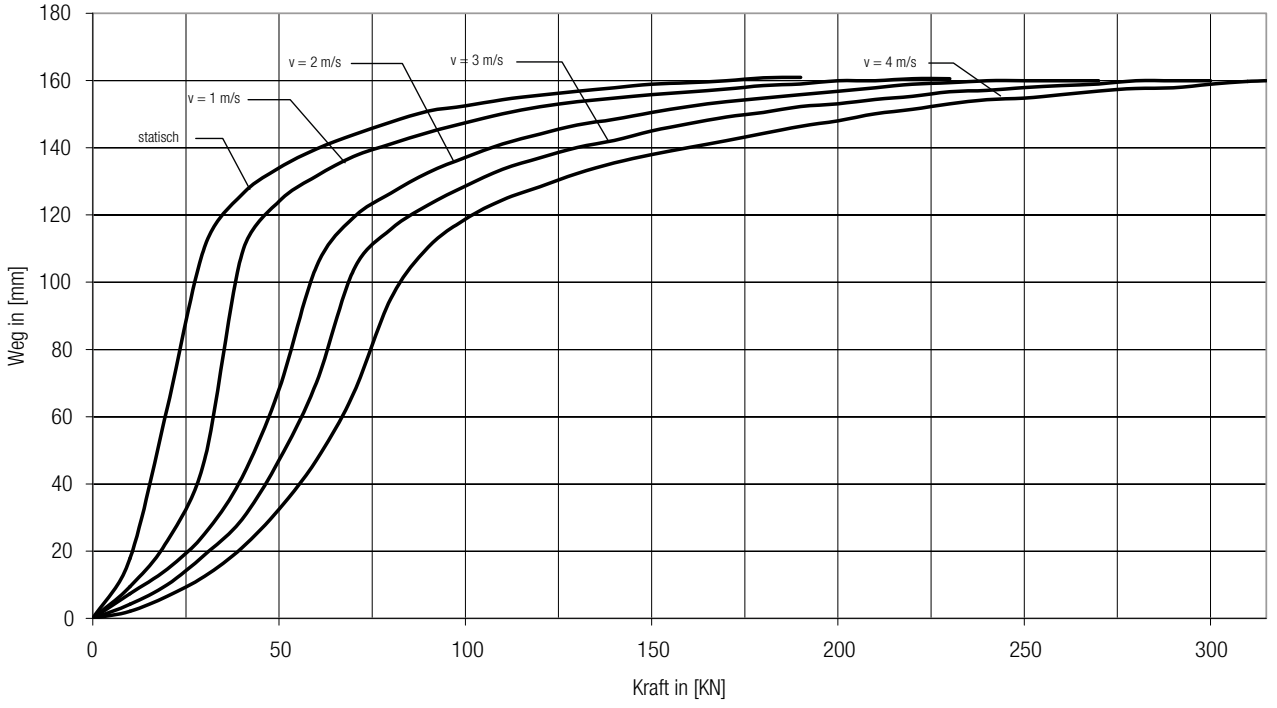

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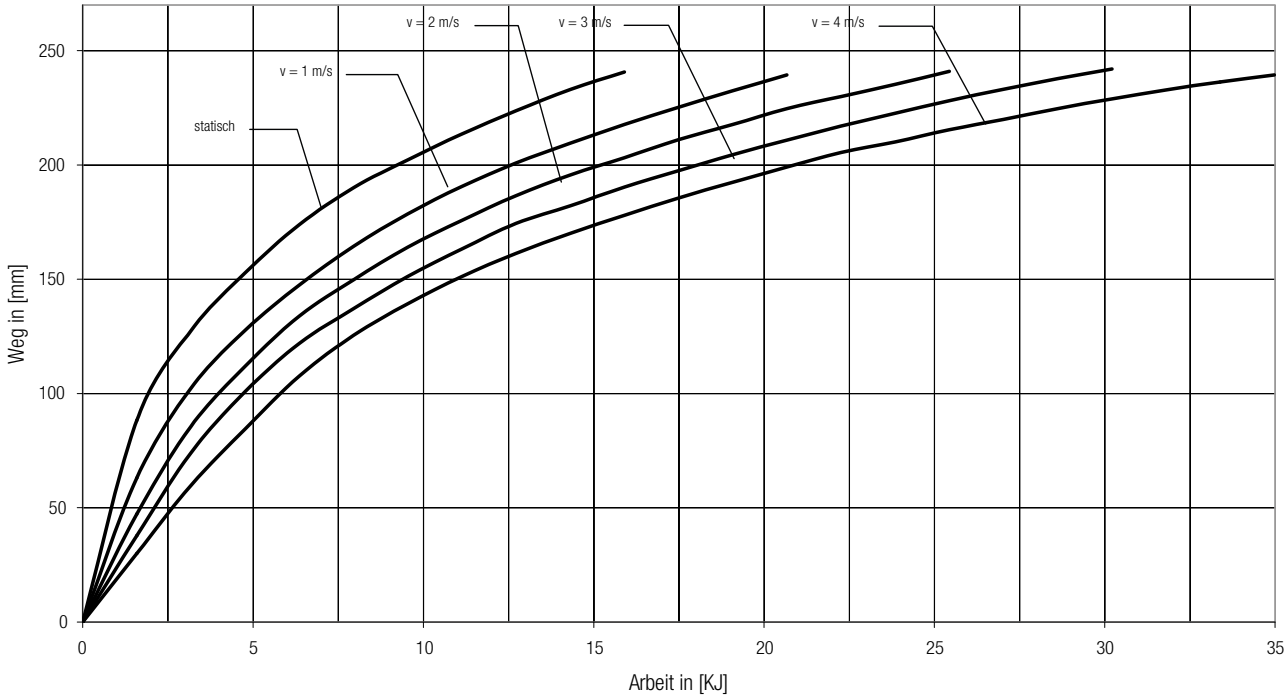


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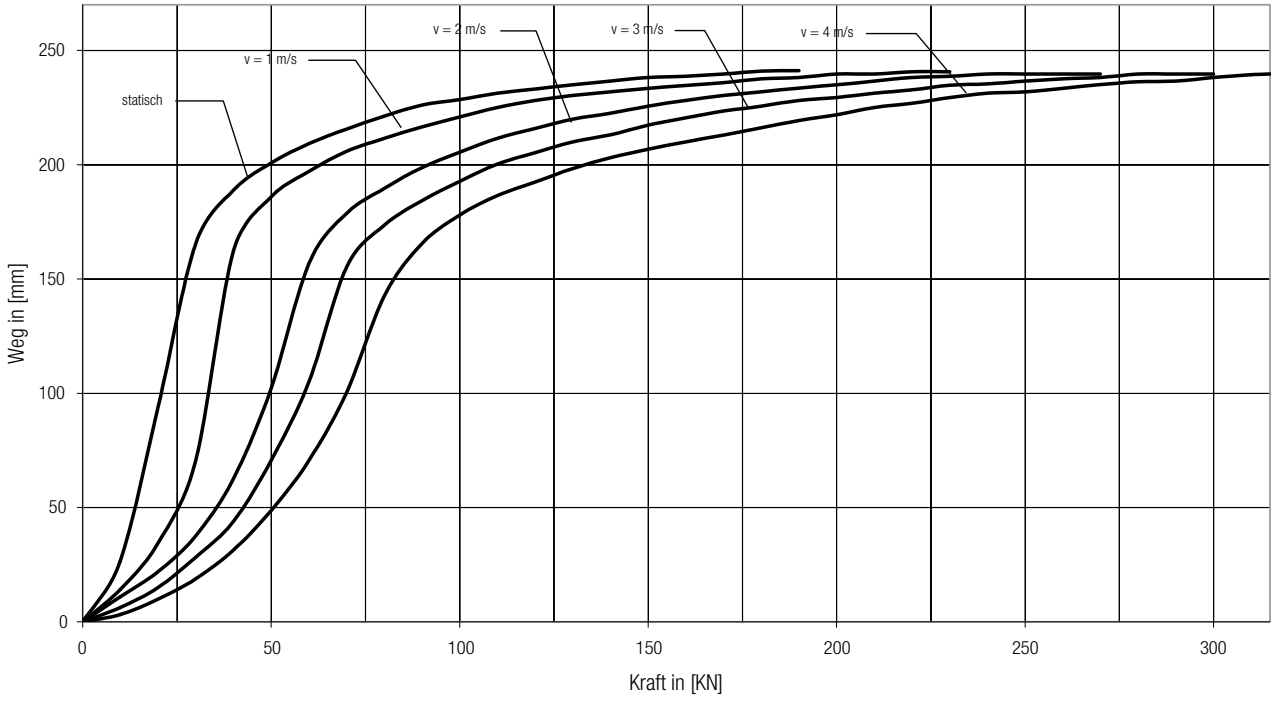

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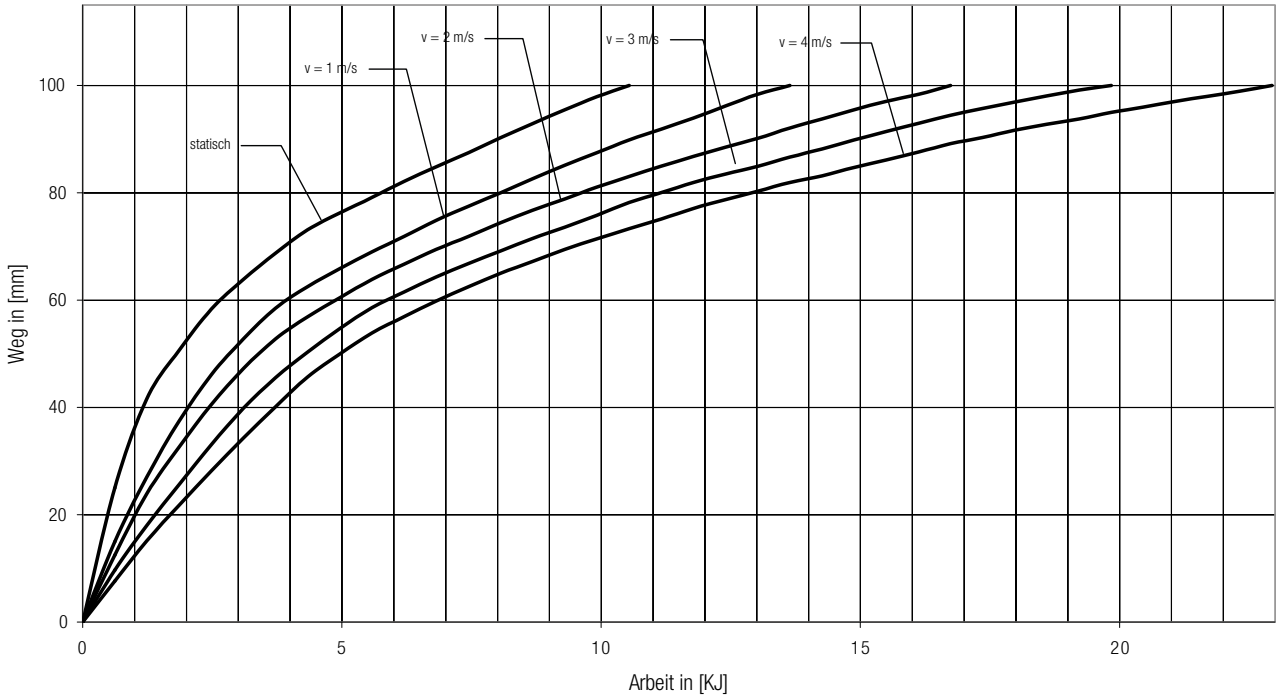


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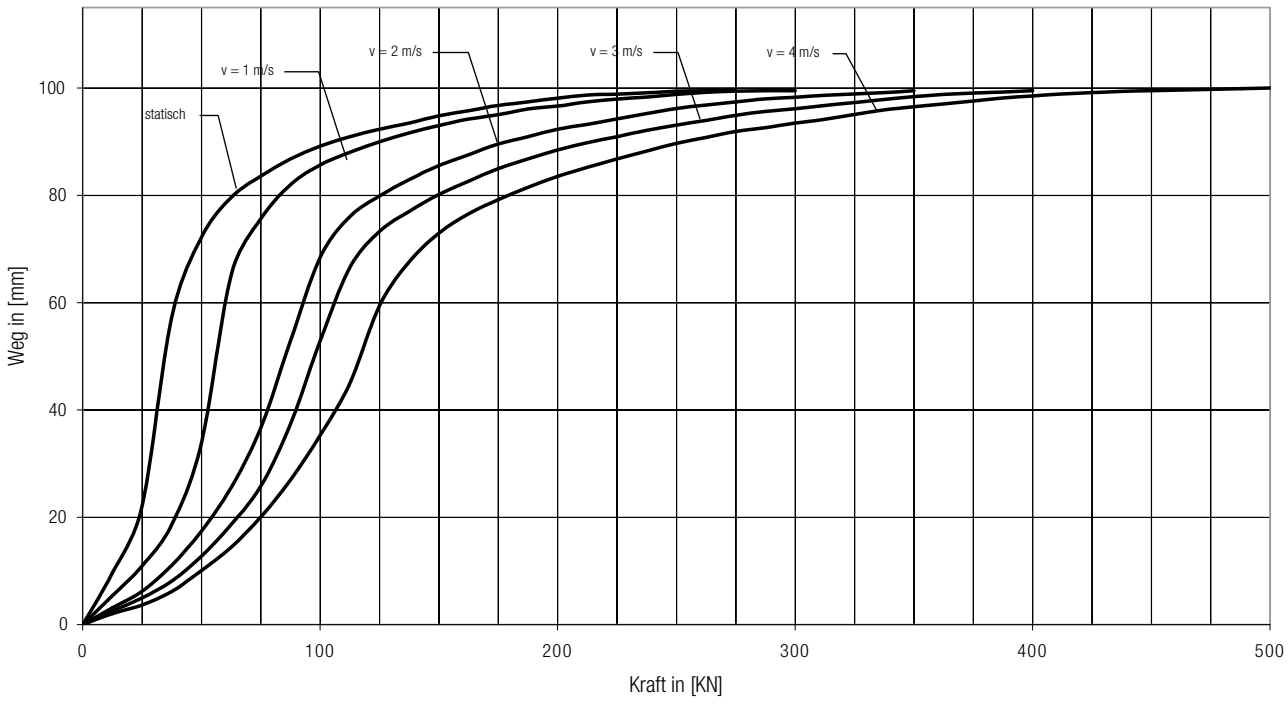

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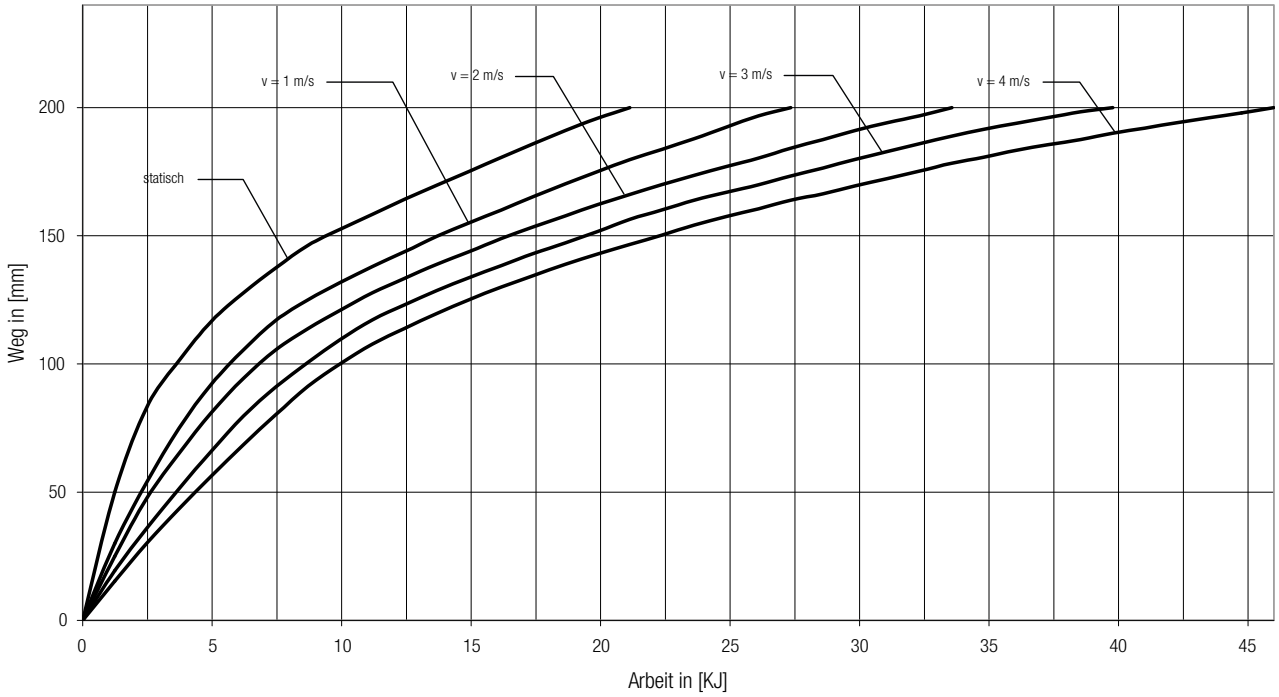


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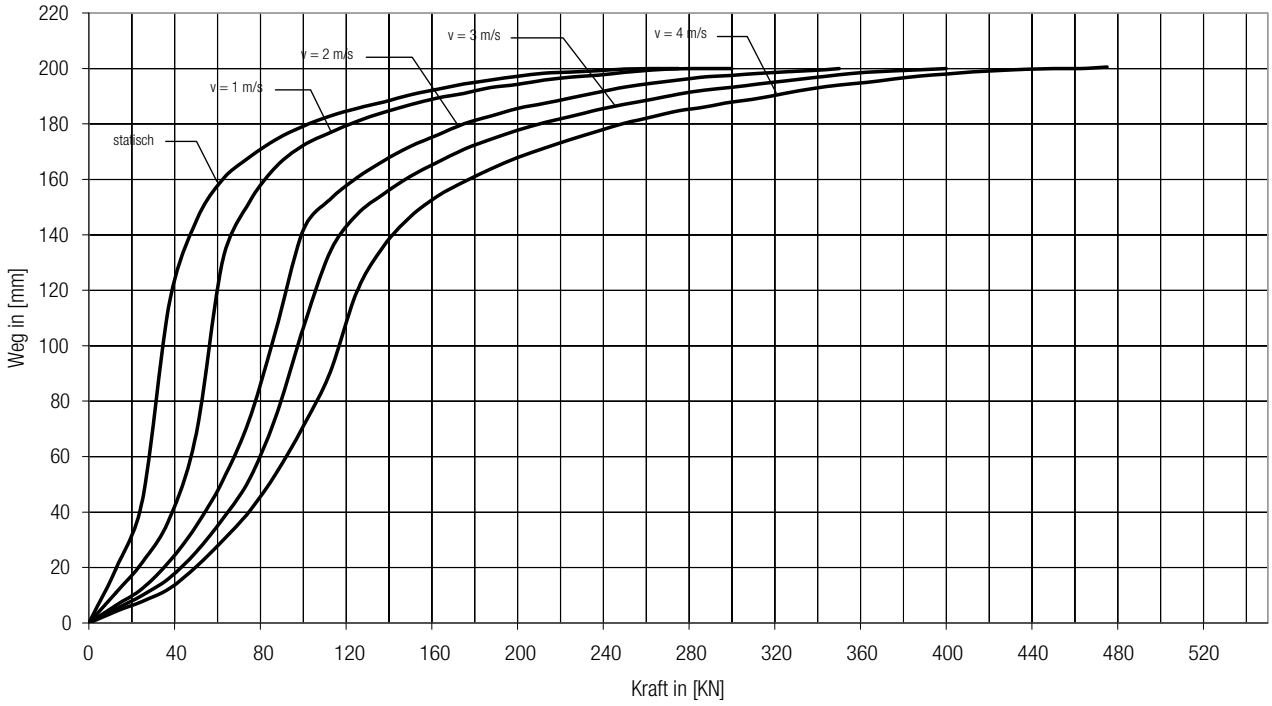

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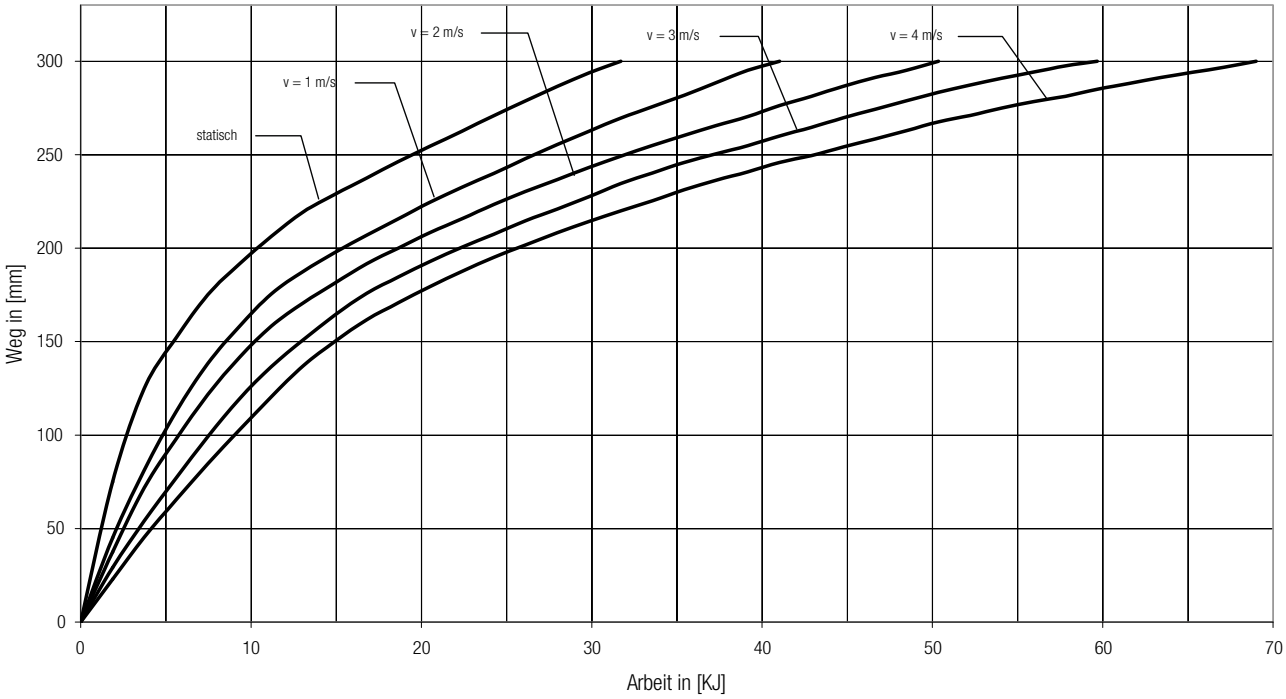


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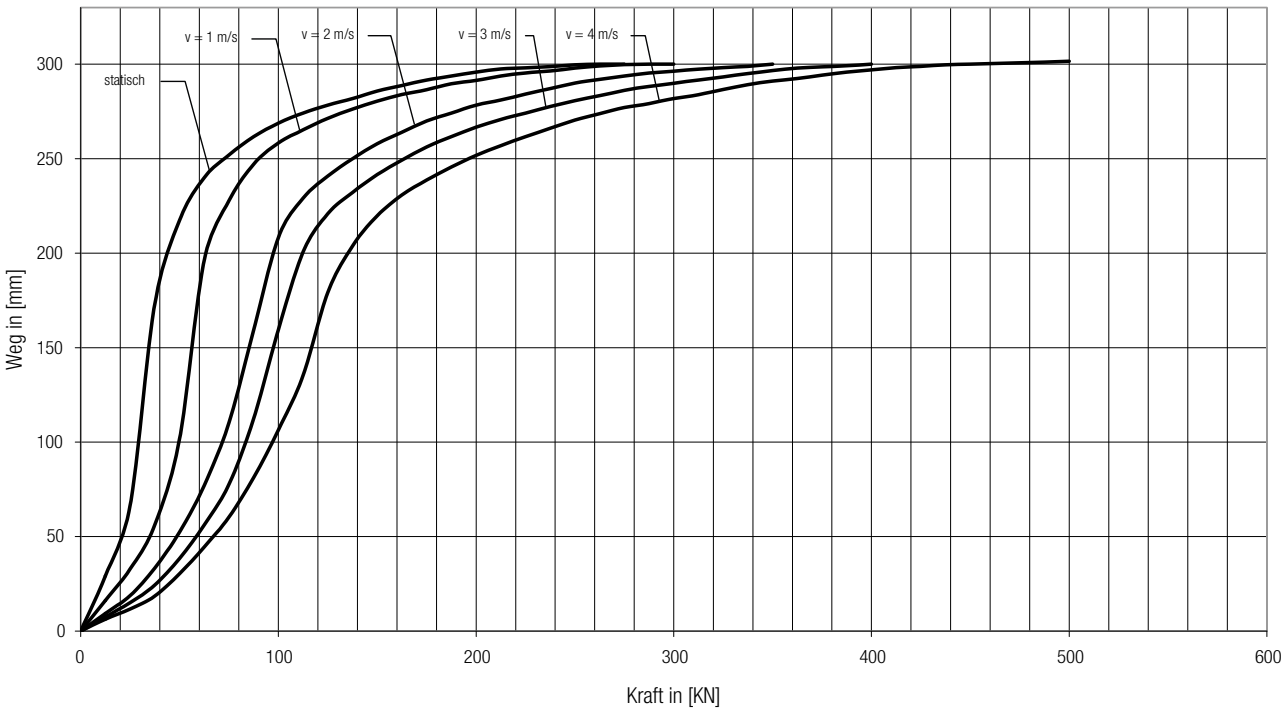
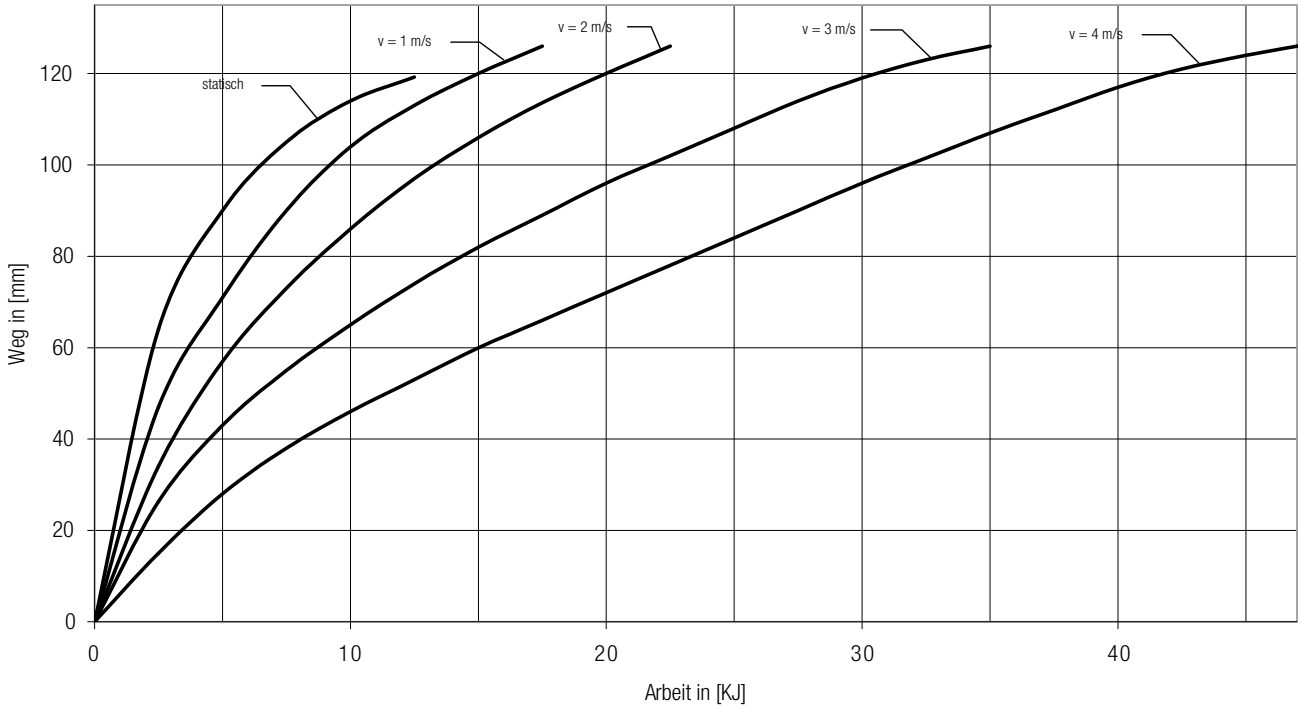


## 315 x 158 Arbeitsaufnahme

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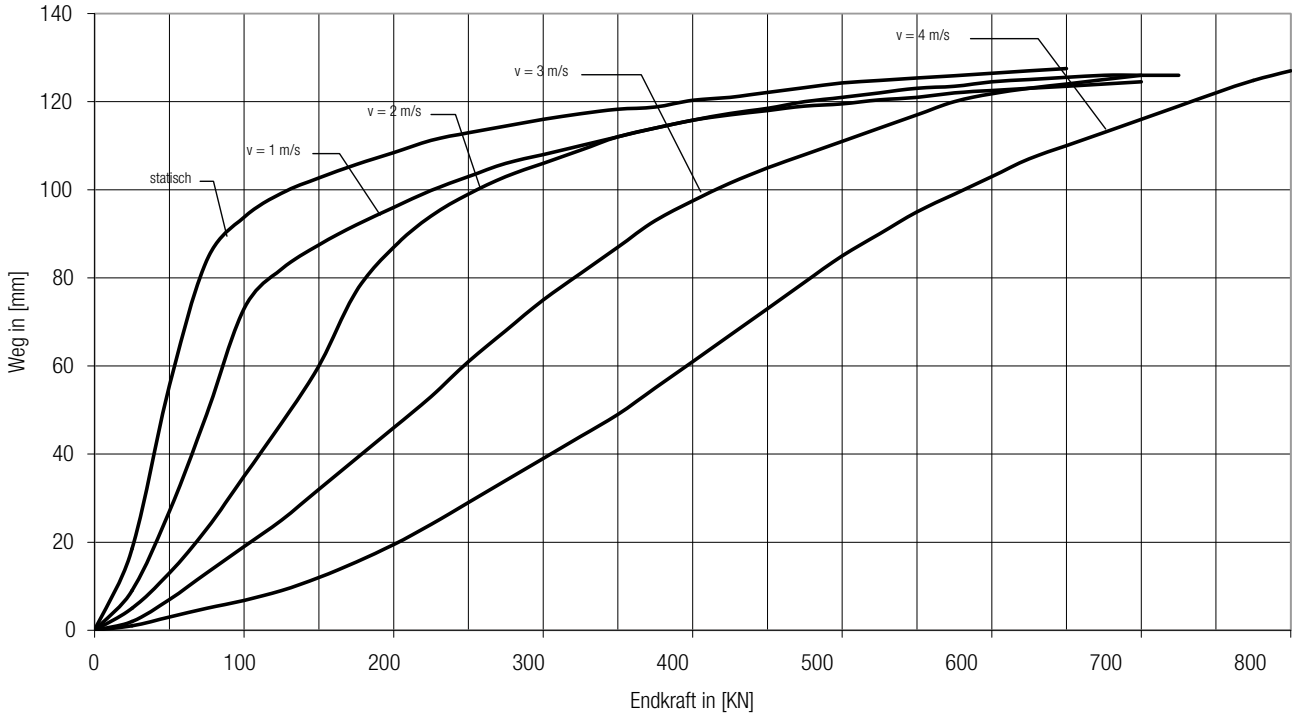

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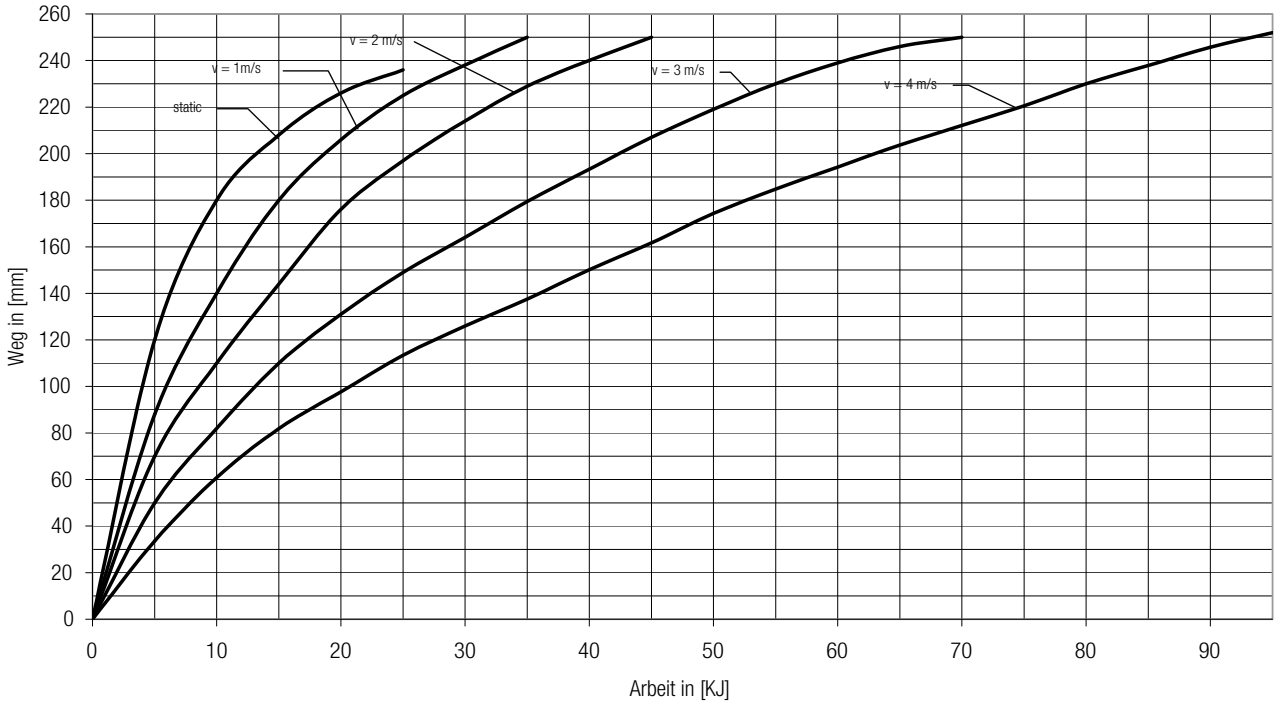


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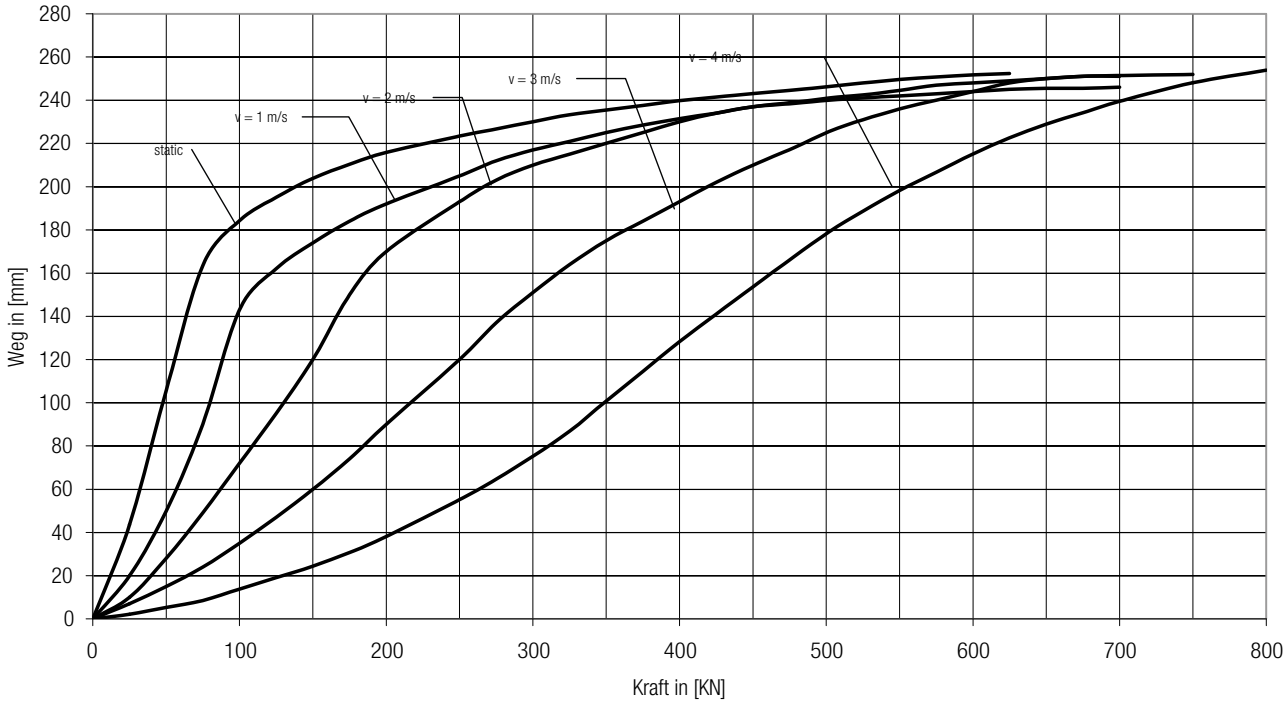

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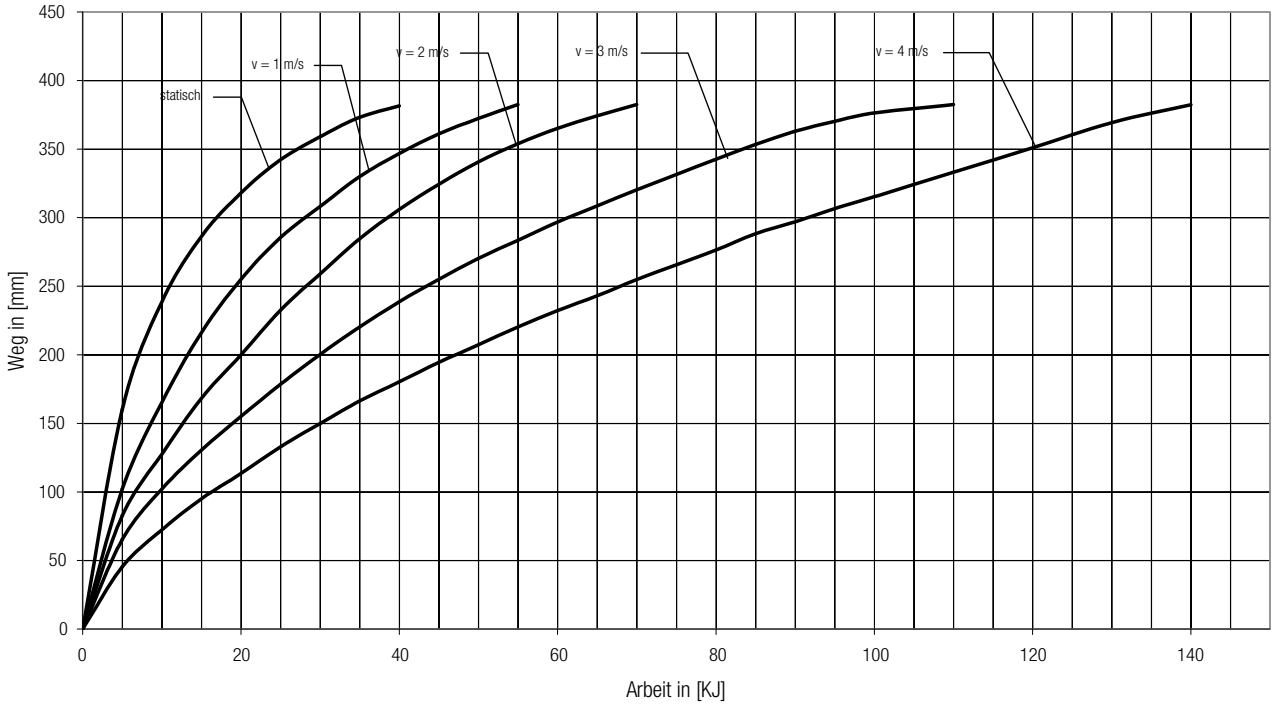


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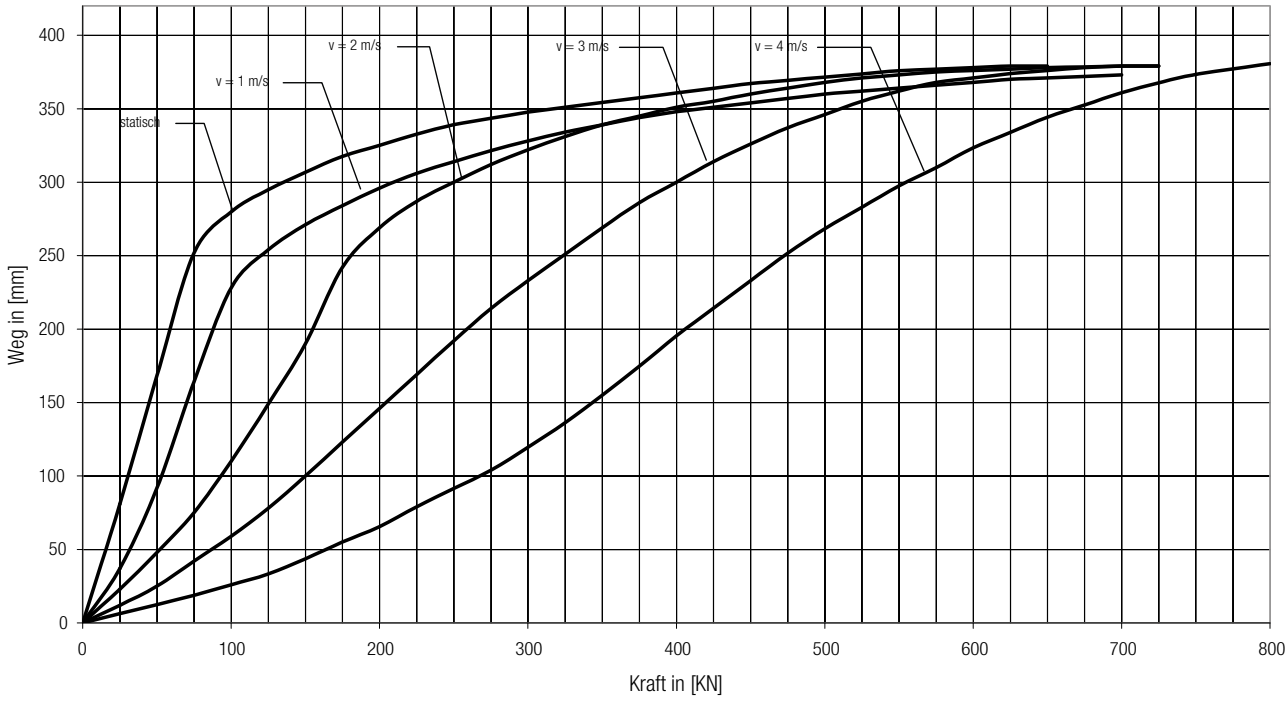
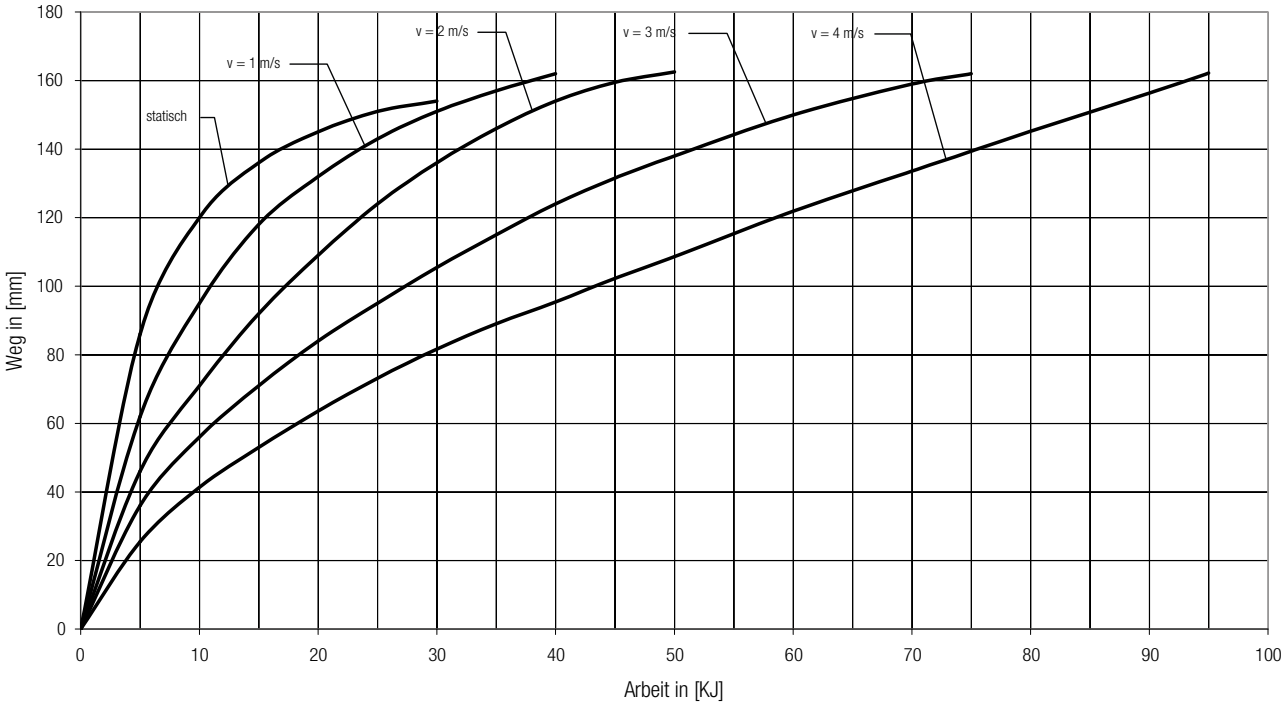


## 400 x 200 Arbeitsaufnahme

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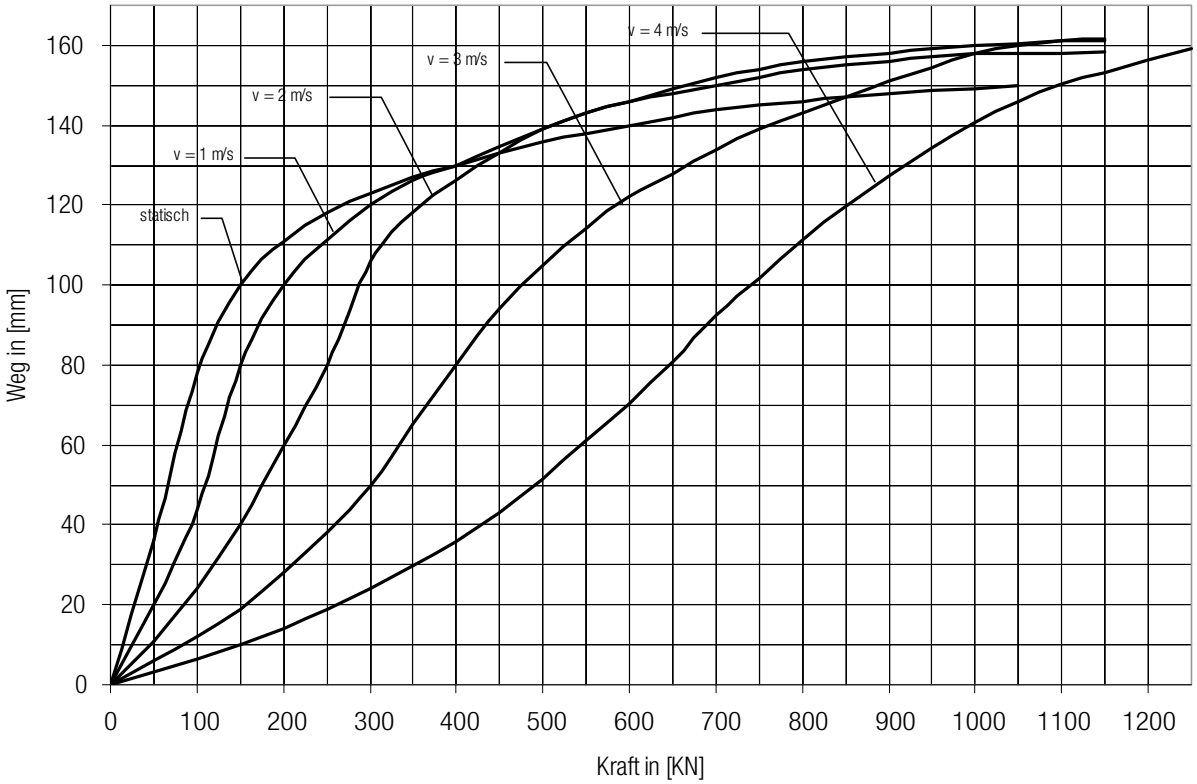

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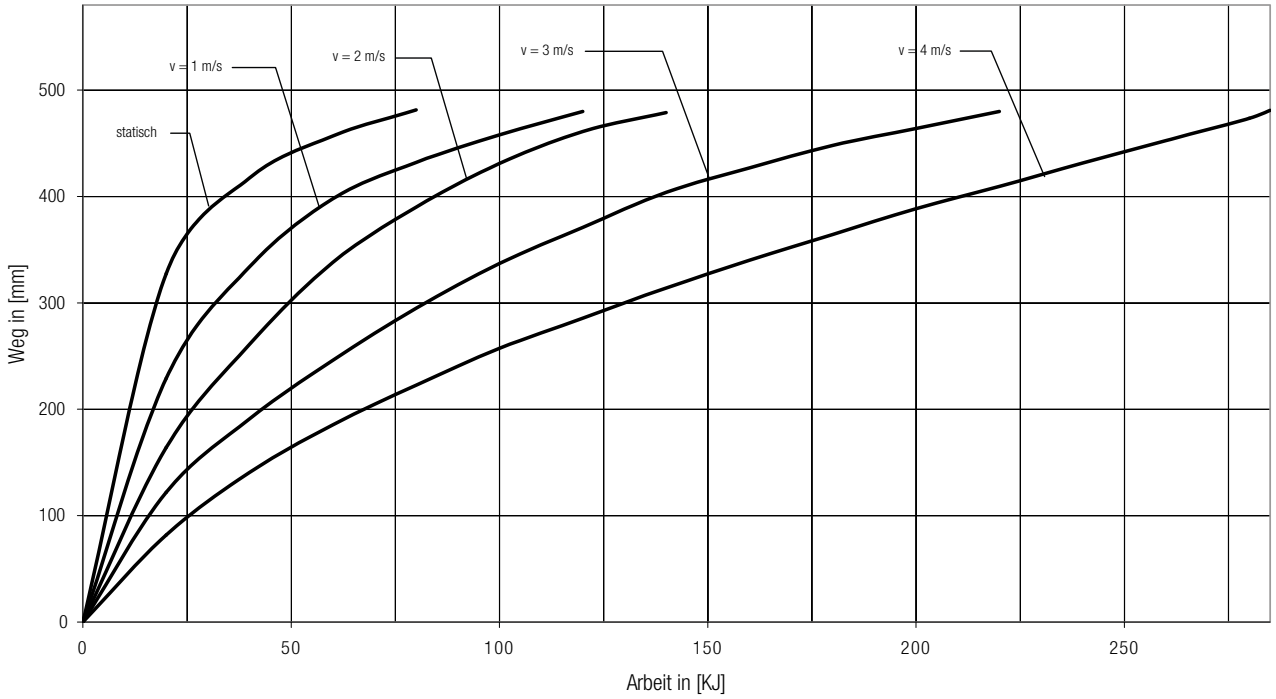


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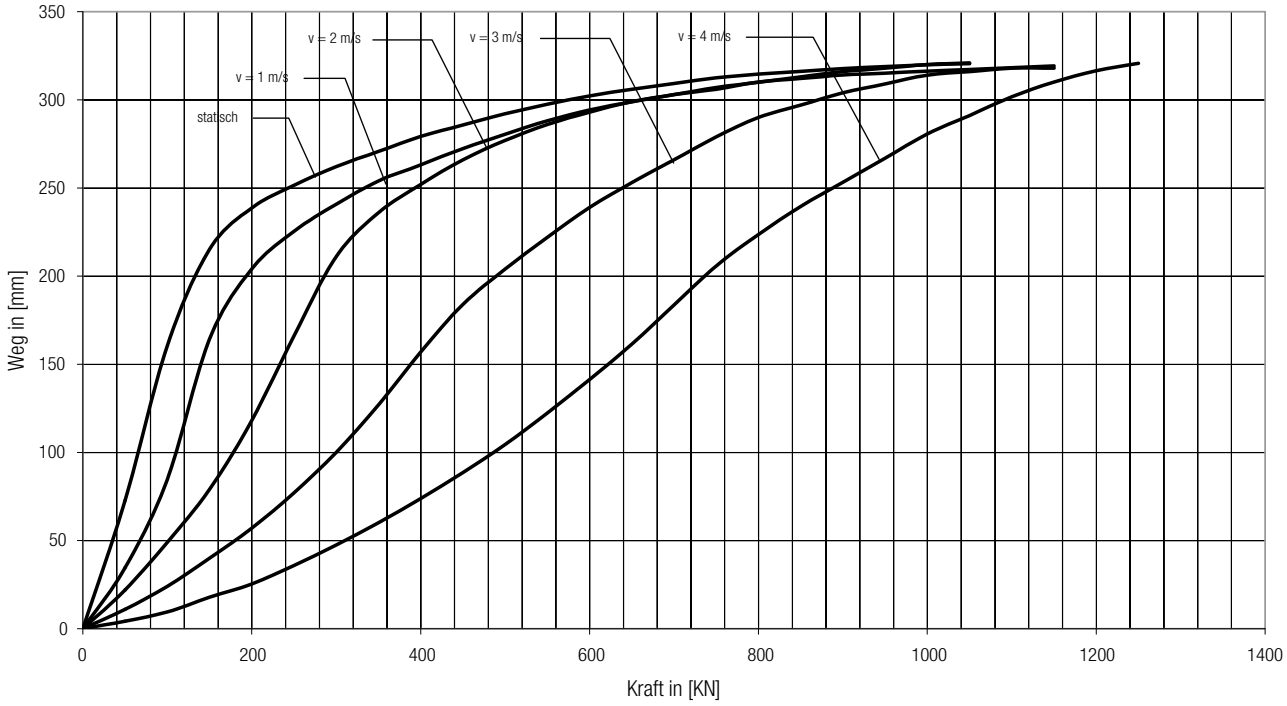

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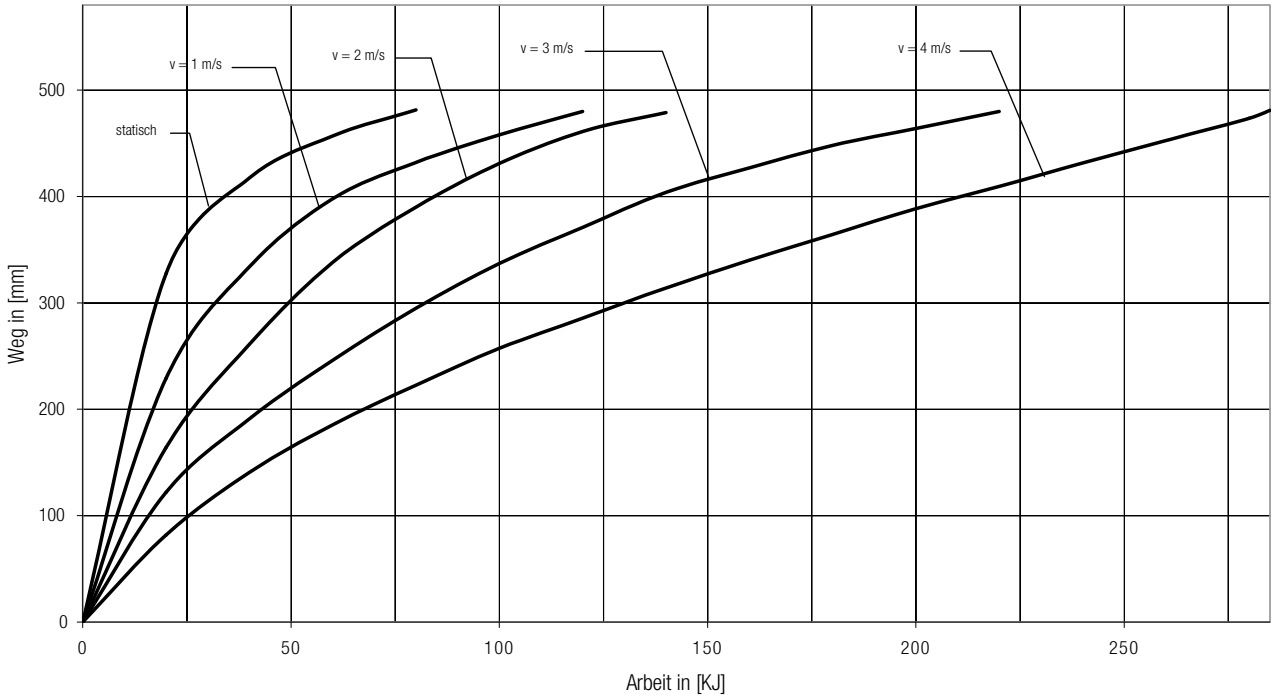


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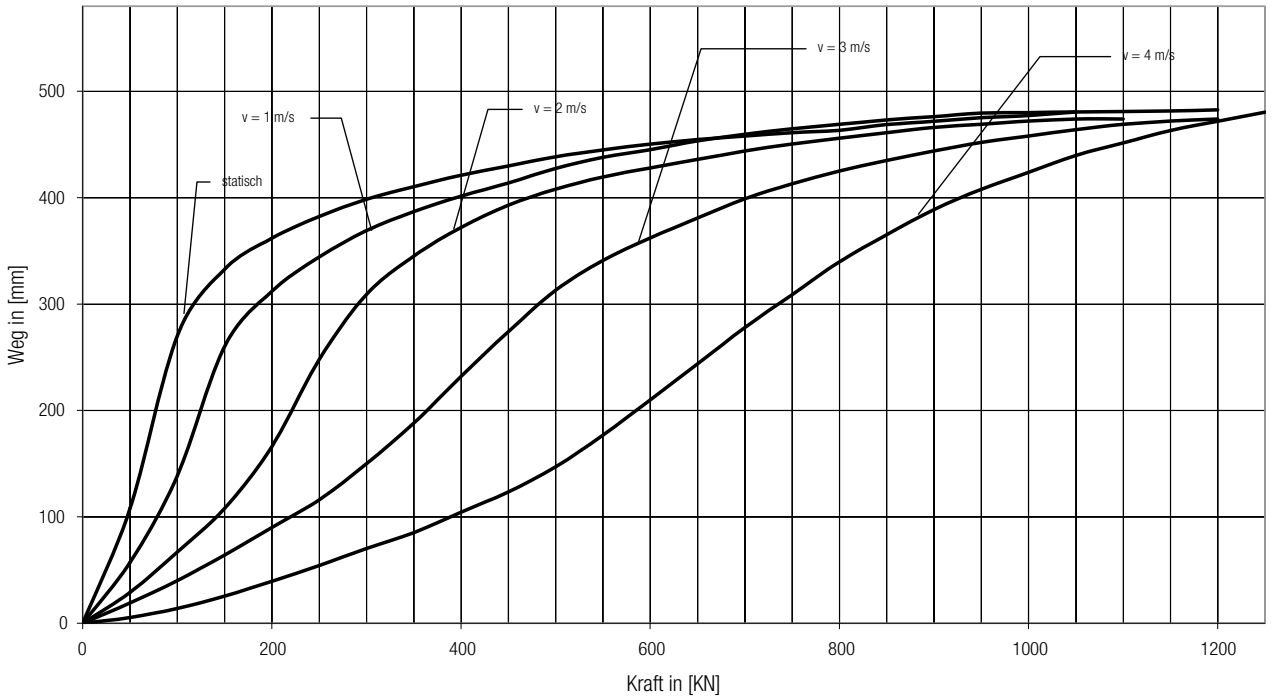
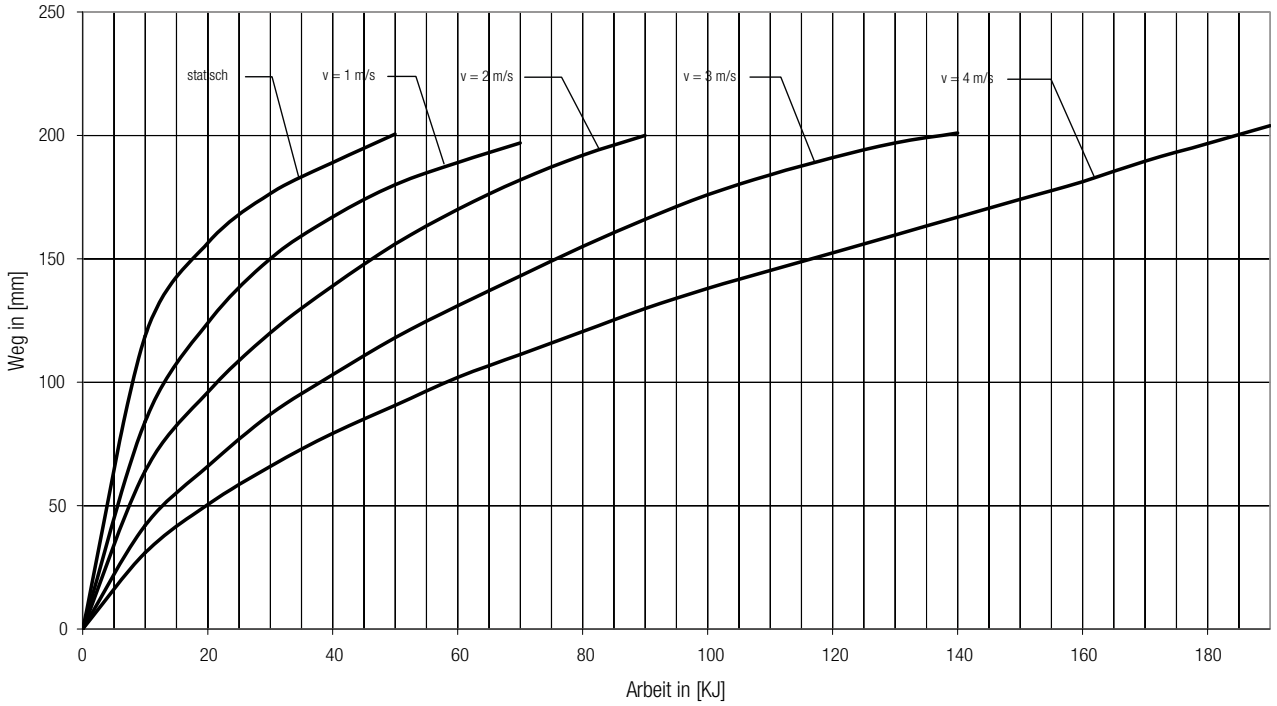


## 500 x 250 Arbeitsaufnahme

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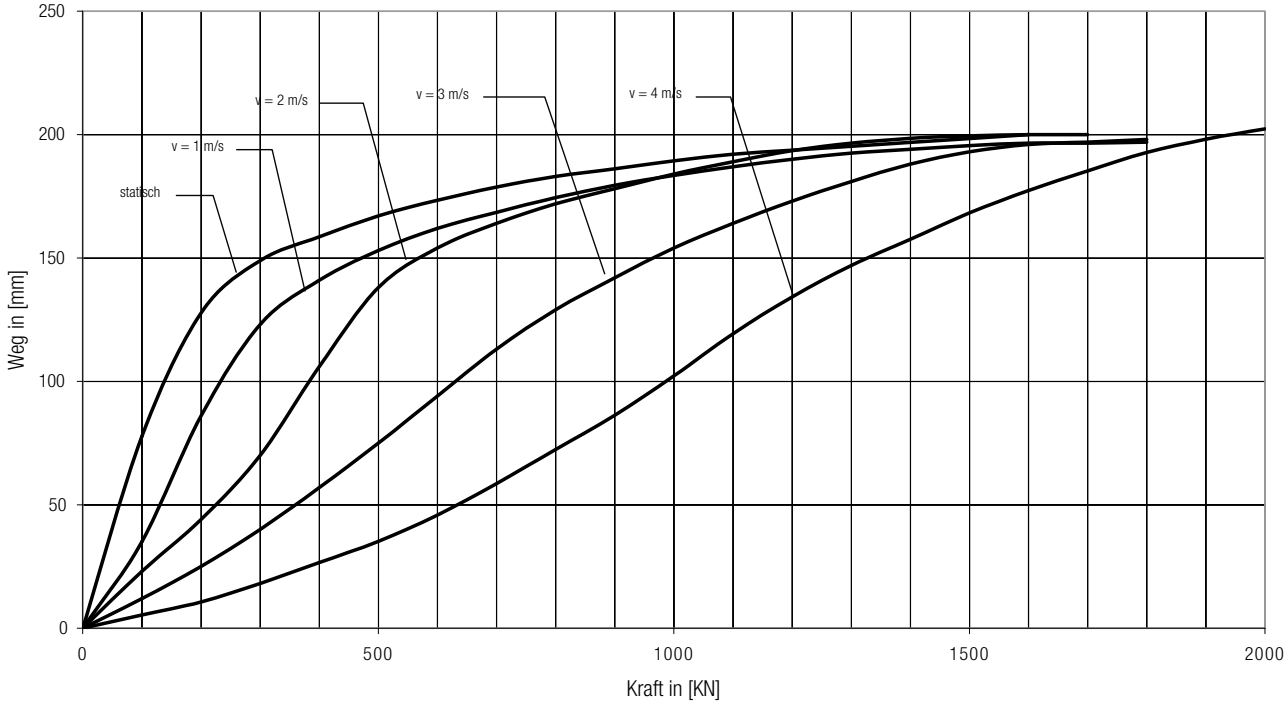

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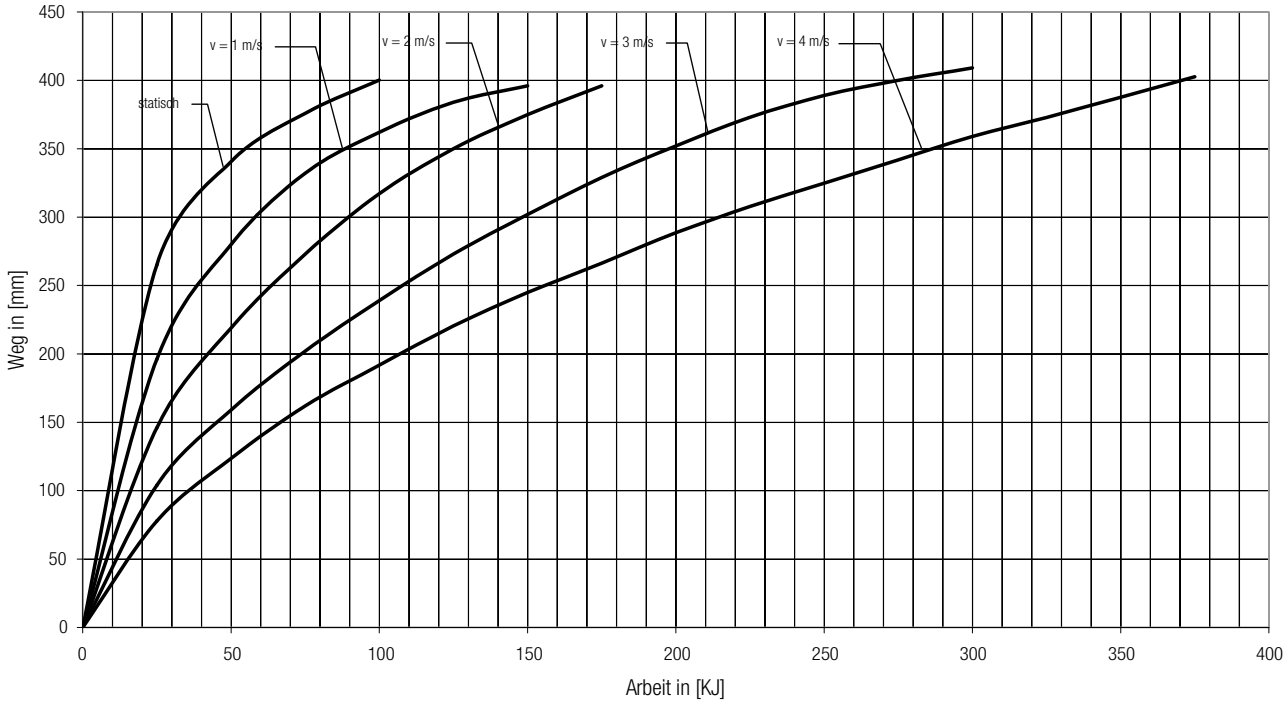
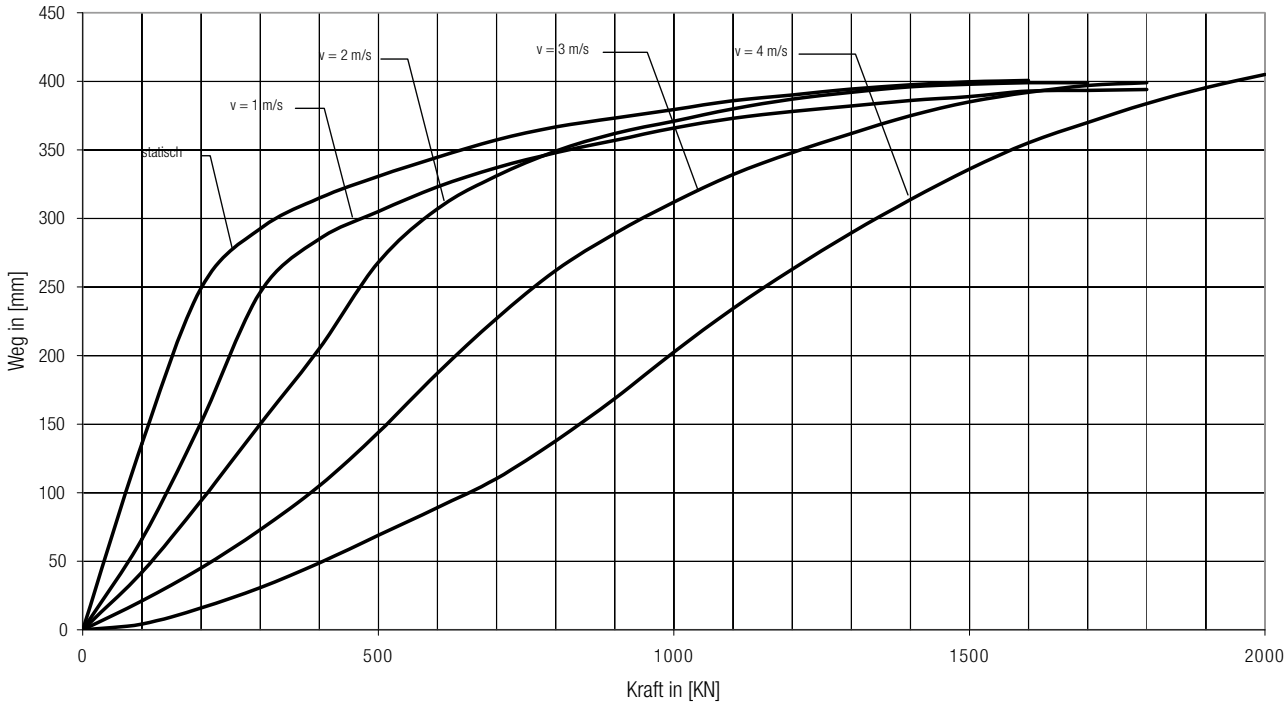



## 500 x 500 Endkraft



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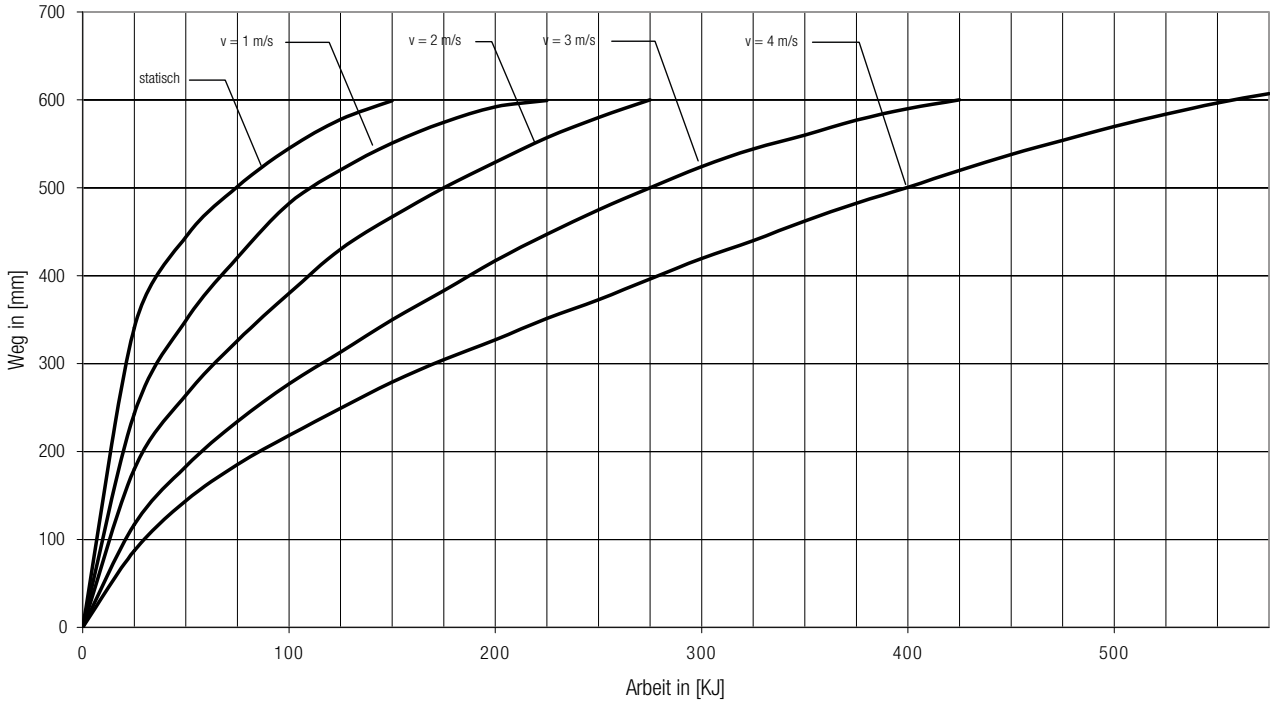


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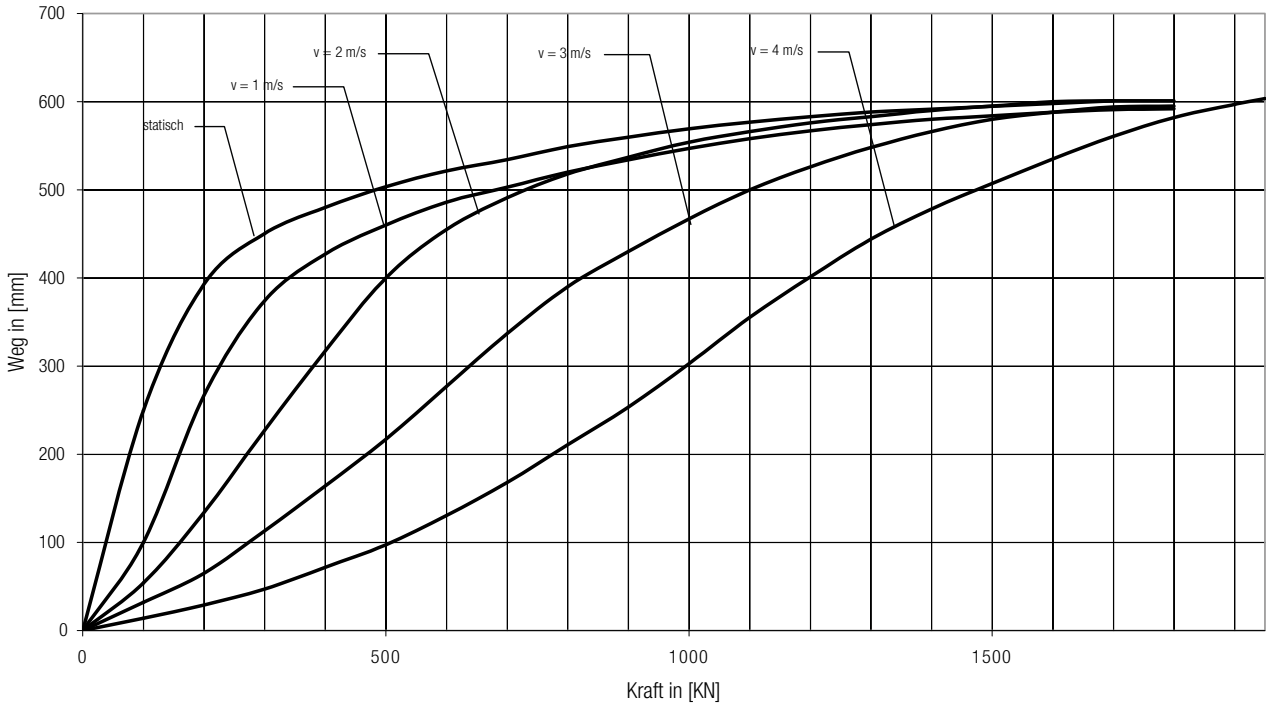
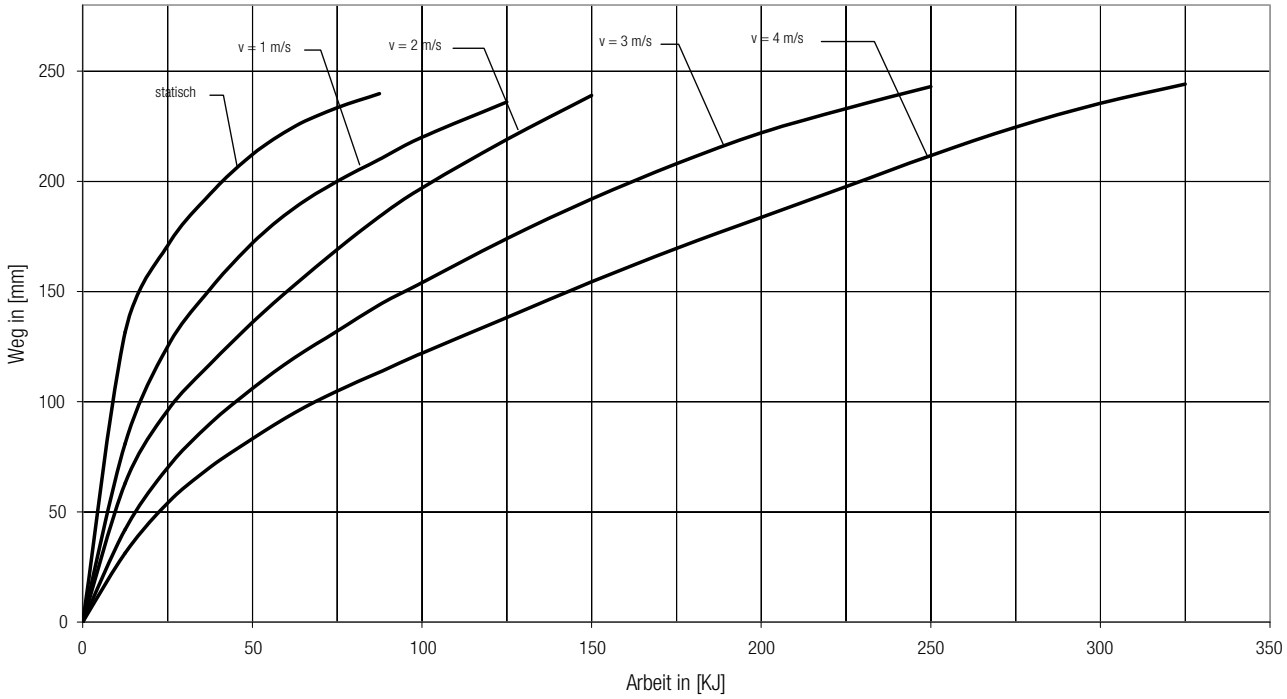


## 600 x 300 Arbeitsaufnahme

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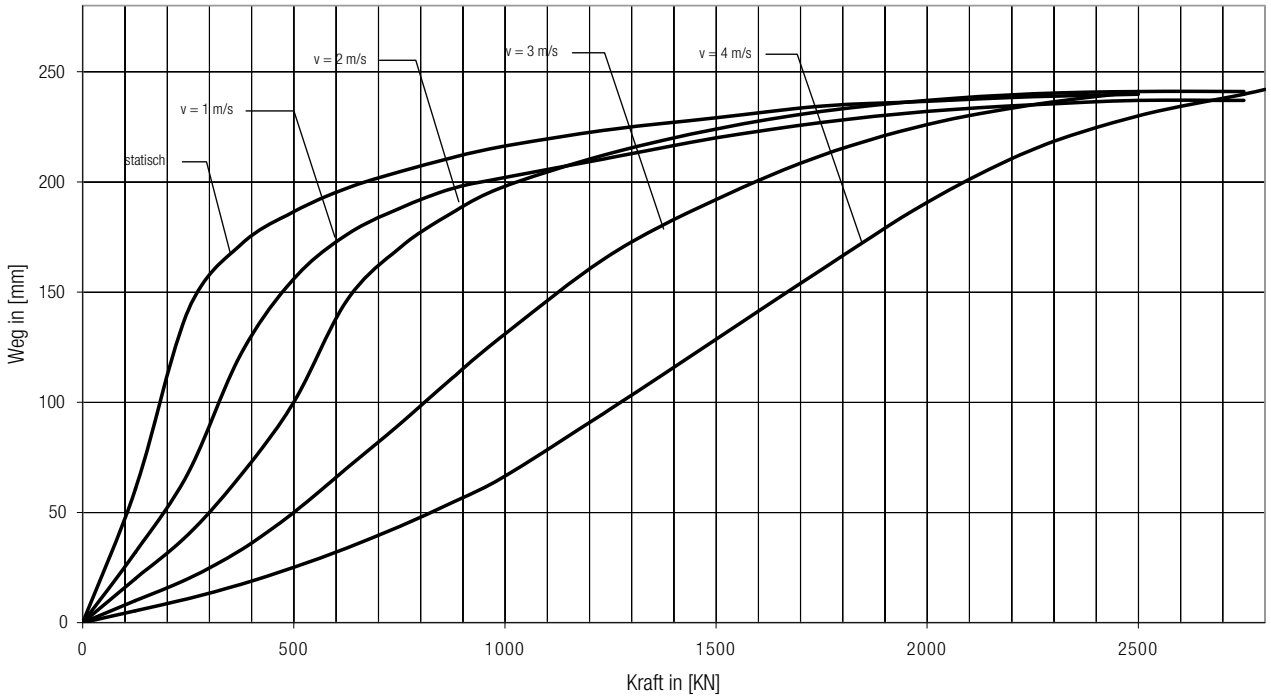

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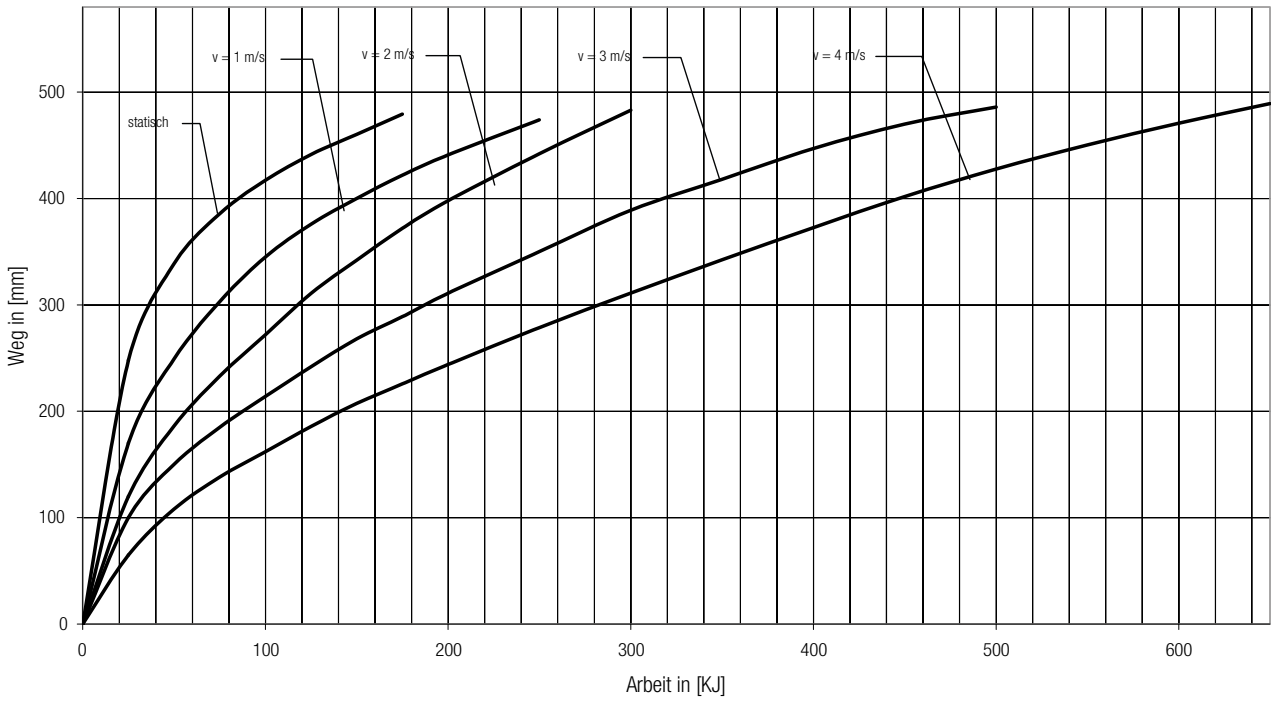


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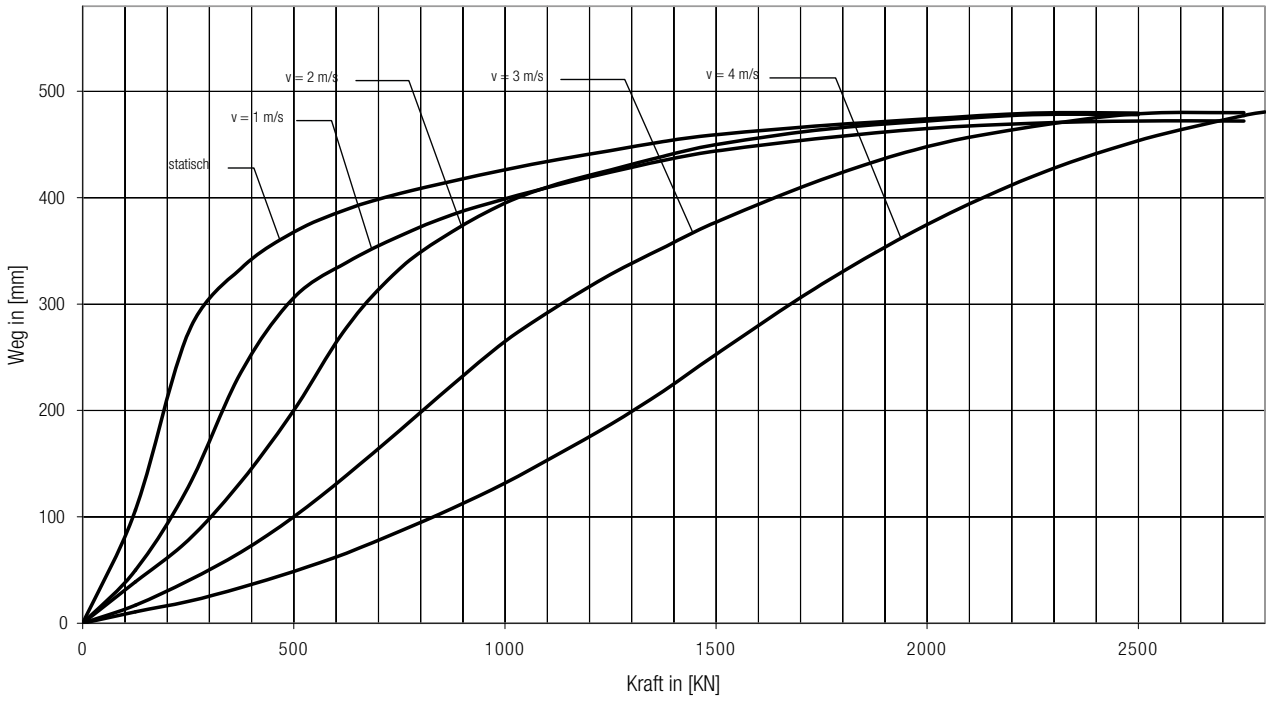

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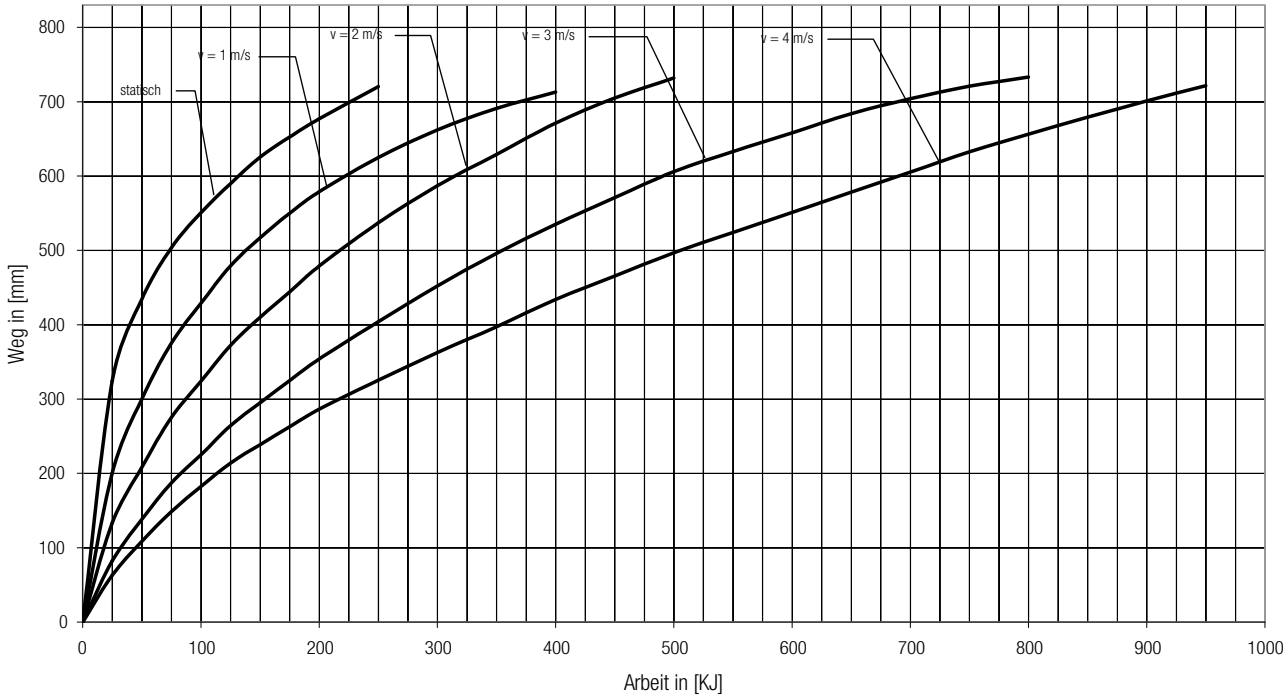


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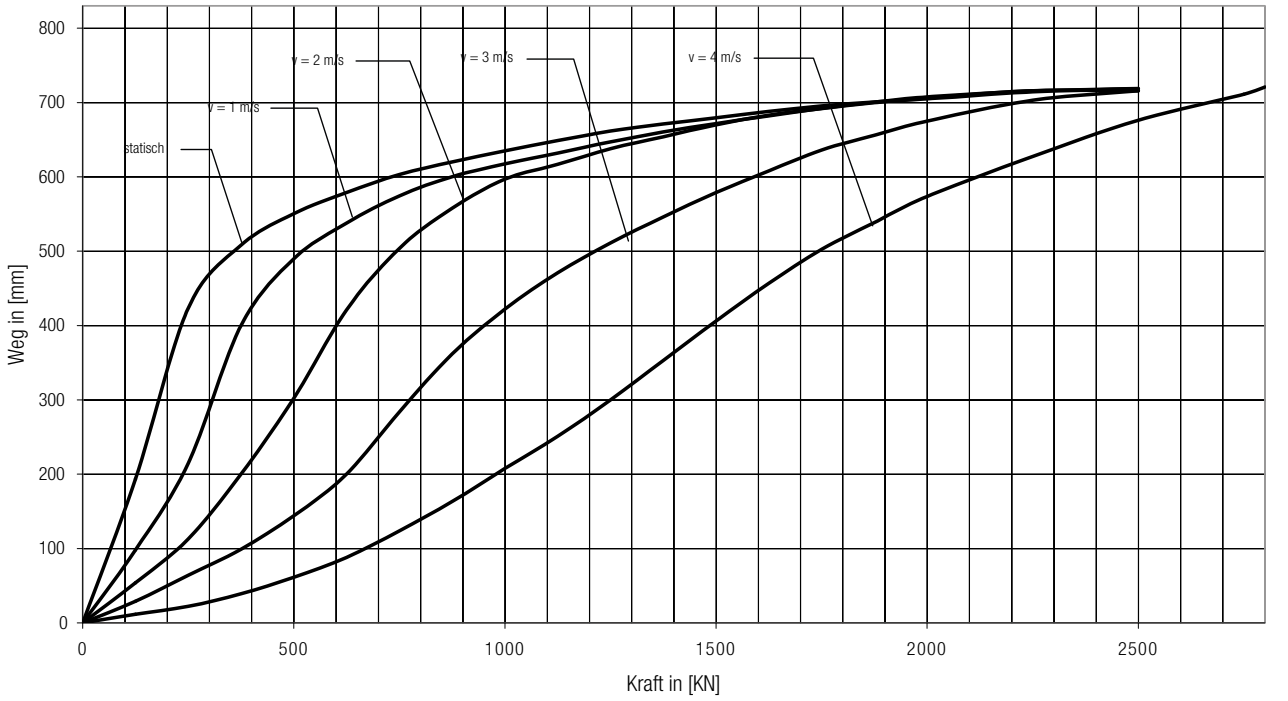

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