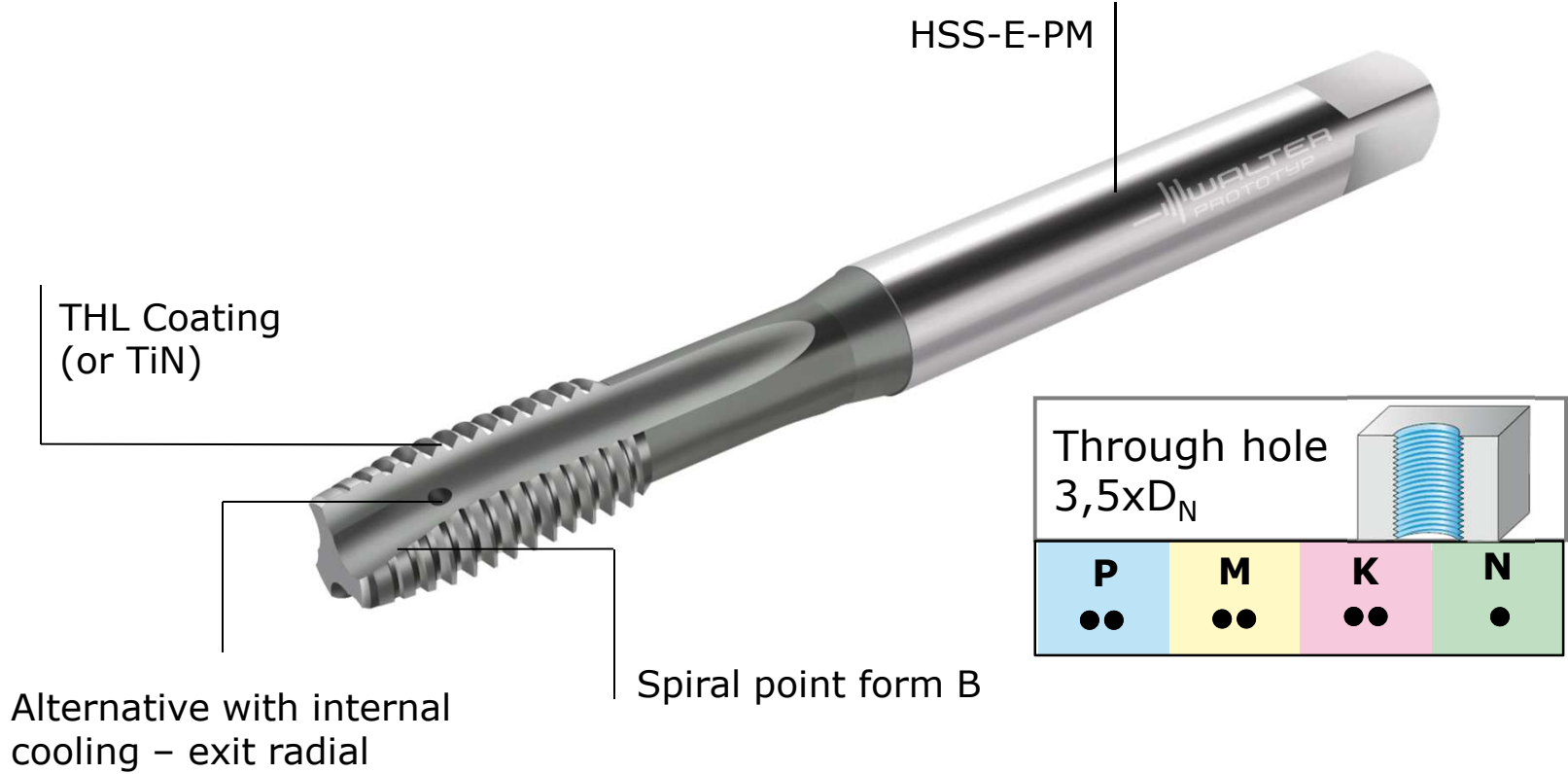


Prototex[®] Eco Plus

1. Product description

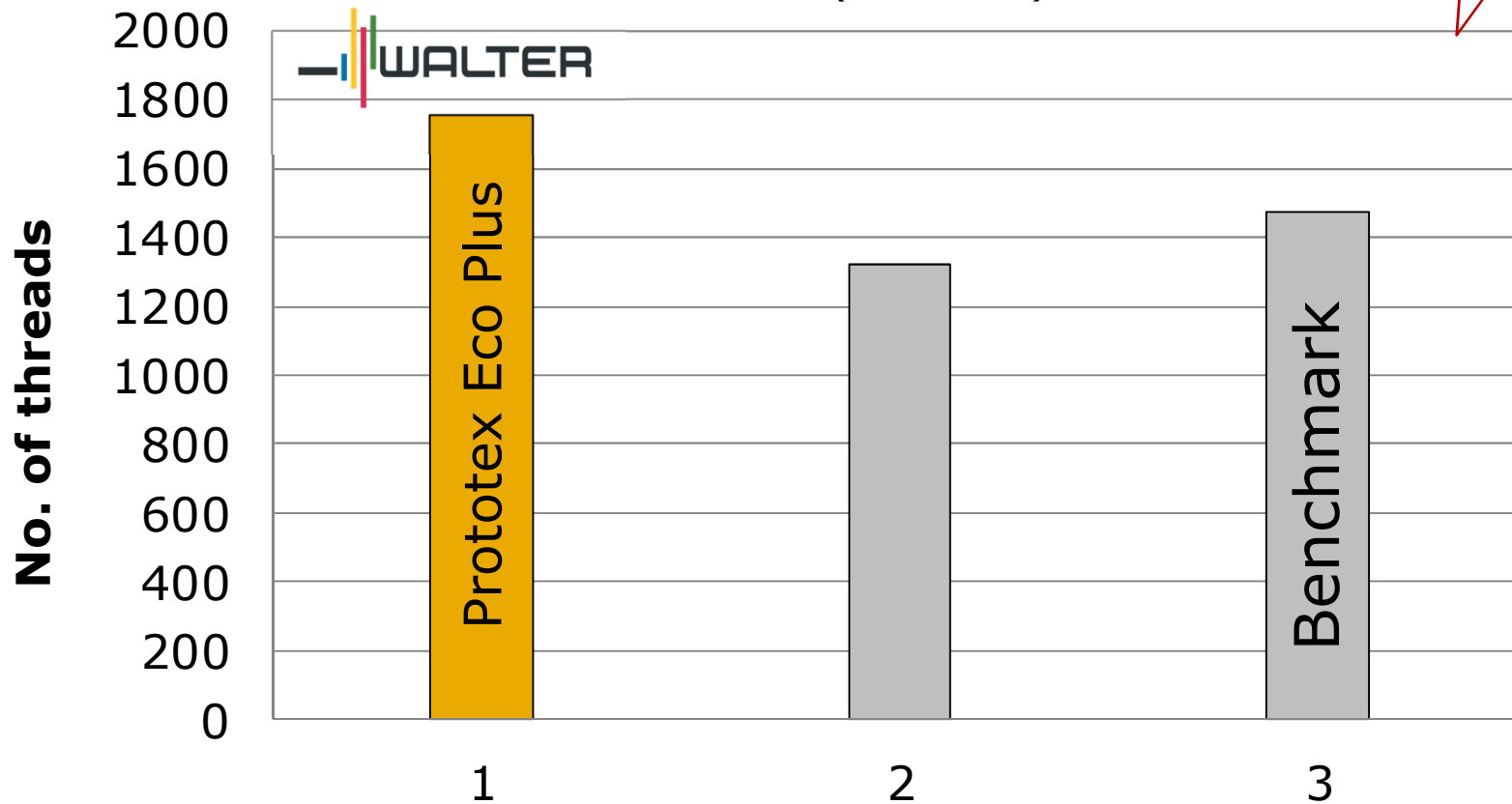


Prototex® Eco Plus

2. Lab test - Benchmark

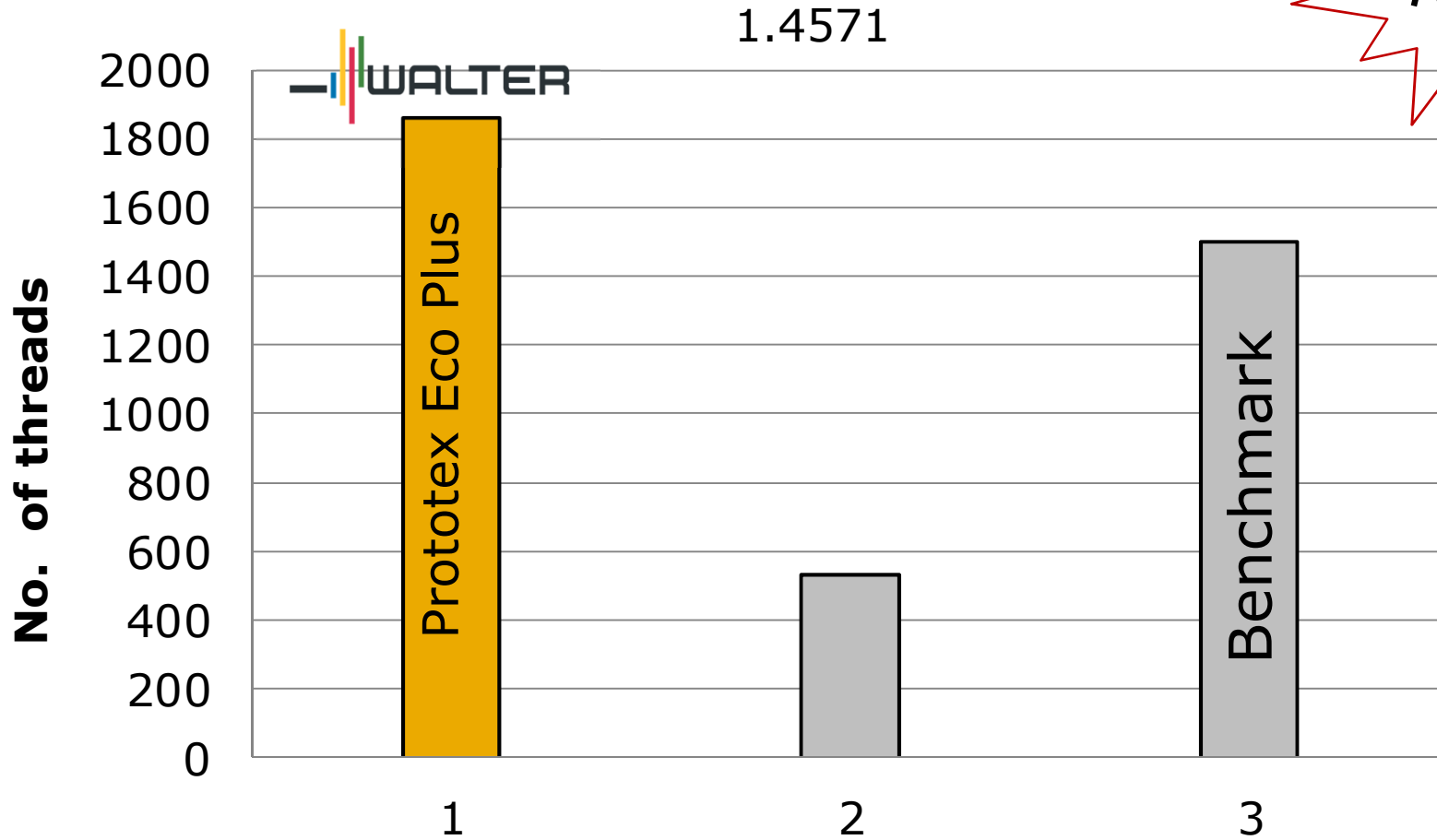


1.7225 (42CrMo4)



Prototex® Eco Plus

2. Lab test - Benchmark



Prototex® Eco Plus

3.Field test



Mold 
Masters®
performance delivered

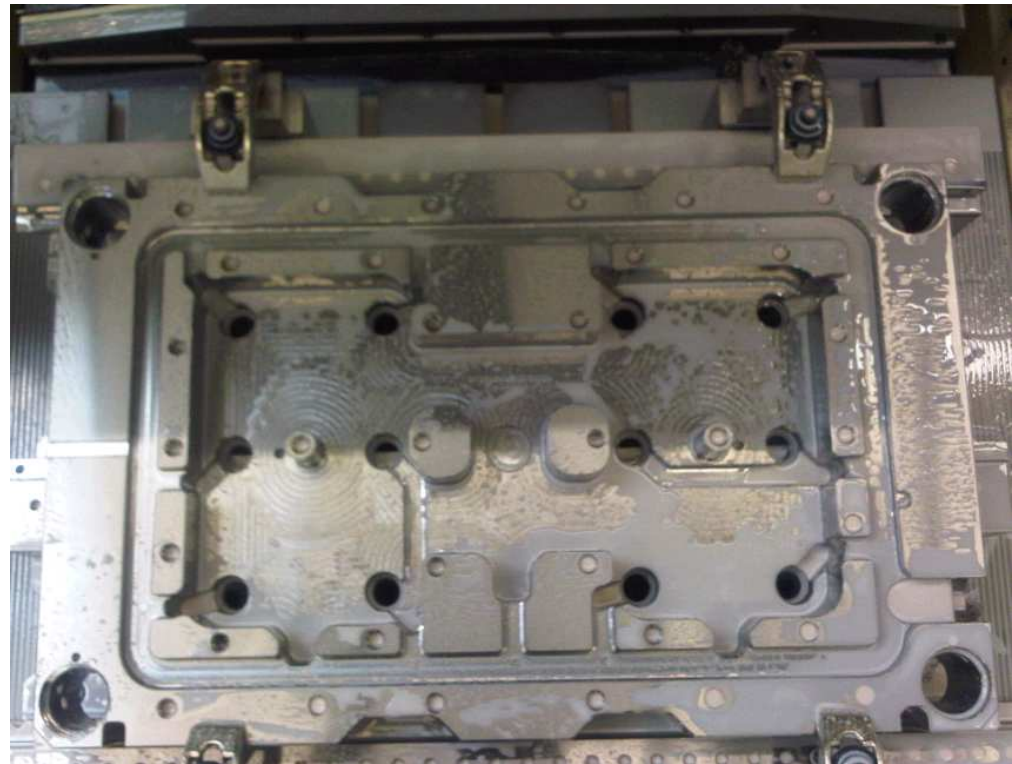


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3.Field test



- **Workpiece**
 - Plate for injection
- **Workpiece material**
 - 1.2085 (Ramax S)
 - Tensile strength 300 HB
- **Maschine**
 - Mazak HCN 10800
- **Dimension**
 - M16
- **Emulsion**



Prototex[®] Eco Plus

3.Field test – Mold Master

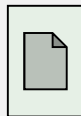


Cutting data		competitor	Walter <i>Prototex[®] Eco Plus</i>
v_c	[m/min]	8	10
n	[min ⁻¹]	159	199
Thread depth	[mm]	35	35
Tool life	no. of threads	300	406


Prototex® Eco Plus

4.Product program


- M2 - M30
- MF 6x0,75 – MF22x1,5
- G 1/8 – G1
- UNC2 – UNC5/8
- UNF4 – UNF5/8
- THL/TIN
- 6GX tolerance
- Left hand
- Internal cooling exit radial



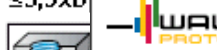
Gewindebohren





Maschinen-Gewindebohrer
Prototex® Eco Plus



Gewindebohren



Maschinen-Gewindebohrer
Prototex® Eco Plus

MF
DIN 13

≤3,5xD_N

DIN 374

M
DIN 13

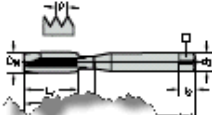
≤3,5xD_N

- HSS-E-PM
- Anschritzbremse B=3,5 - 5 Gang
- Mehrgelegter Kern
- Werkstoff von 500 bis 1250 N/mm² bzw. 42 HRC
- Für langspanende Werkstoffe
- Für Minimalmengenherstellung geeignet

	P	M	K	N	S	H	O
TH	♦♦	♦♦	♦♦	♦♦	♦		♦
THL	♦♦	♦♦	♦♦	♦♦	♦		♦

DIN 371 6HX

D _N	P mm	l ₁ je 16 mm	L ₂ mm	l ₃ ±1 mm	d ₁ h ₁ mm	Ø h12 mm	l ₃ mm	N	TIN Bezeichnung EP2021.305	THL Bezeichnung EP2021.302
M 2	0,4	45	6	3	2,8	2,1	5	3	♦ -ME	♦ -M2
M 2,5	0,45	50	8	12,5	2,8	2,1	5	3	♦ -ME.5	♦ -M2.5
M 3	0,5	58	9	18	3,5	2,7	6	3	♦ -M3	♦ -M3
M 4	0,7	63	12	21	4,5	3,4	6	3	♦ -M4	♦ -M4
M 5	0,8	70	13	25	6	4,3	8	3	♦ -ME	♦ -M5
M 6	1	75	15	30	8	5	8	3		



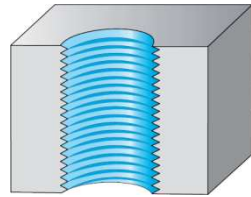
Prototex® Eco Plus

5. Application area

**ISO –
material groups**

P	M	K	N	S	H	O
● ●	● ●	● ●	●			

Application



3,5xD_N

**Max. 400 HB
tensile strength**

**Additional
information**

- ISO-P
- Main application (150 – 400 HB)
- ISO-M
- Main application (up to 400 HB)
- ISO-K
- Main application (mainly ductile cast iron/GGG)
- ISO-N
- Second application (up to 12% Si-Content)

Thank you.

