# 1145301 | Foret métaux TSX taillé meulé HSS -Traitement STEAM -DIN338 -h8 -Pointe en croix

Foret pour le perçage précis et endurant des aciers et des fontes grâce à son affûtage autocentrant.





- **Spécial aciers résistants et fontes**
- **Perçage rapide**
- **Endurant**
- **Usage polyvalent**

- Auto-centrage de la pointe
- Queue cylindrique
- Goujure type N à 30°
- Acier rapide
- Pointe 118°

## Machines



## Applications




[K2]-Fontes Grises

[K3]-Fontes Nodulaires et GS

[P1]-Aciers non alliés

[P2]-Aciers faiblement alliés

## Caractéristiques




## Propriétés et bénéfices

- Affûtage pointe en croix : amincissement de la pointe du foret. ➔ Permet un autocentrage facile du foret sur les surfaces les plus lisses. Réduit fortement l'effort axial demandé.
- Queue cylindrique : le diamètre de queue est égal au diamètre de pointe. ➔ Permet une utilisation polyvalente sur machines électroportatives et machines outils CNC.
- Goujure type N à 30° : profil de goujure avec un angle d'hélice à 30°. ➔ Adapté aux usages généraux. Apporte une bonne rigidité à l'outil ainsi qu'une excellente précision de perçage.
- Acier rapide : Substrat HSS ➔ Pour les usages généraux dans l'acier jusqu'à 950 N/mm², les fontes et les aluminiums.
- Pointe 118° : angle de pointe à 118° de l'affûtage du foret. ➔ Adapté aux usages généraux dans les matériaux à copeaux longs. Permet une attaque rapide de la matière et un centrage aisé.



| Code | EAN | Ø | d2 | L | l | l.u | QTY | PCB |
|---|---|---|---|---|---|---|---|---|
| 11453010020 | 3221910850876 | 0.2 | 0.2 | 19 | 2.5 | | 1 | 10 |
| 11453010025 | 3221912002747 | 0.25 | 0.25 | 19 | 3 | | 1 | 10 |
| 11453010030 | 3221910850883 | 0.3 | 0.3 | 19 | 3 | | 1 | 10 |
| 11453010035 | 3221912002808 | 0.35 | 0.35 | 19 | 4 | | 1 | 10 |
| 11453010040 | 3221910850890 | 0.4 | 0.4 | 20 | 5 | | 1 | 10 |
| 11453010045 | 3221912002815 | 0.45 | 0.45 | 20 | 5 | | 1 | 10 |
| 11453010050 | 3221910850906 | 0.5 | 0.5 | 22 | 6 | | 1 | 10 |
| 11453010055 | 3221912002822 | 0.55 | 0.55 | 24 | 7 | | 1 | 10 |
| 11453010060 | 3221910850913 | 0.6 | 0.6 | 24 | 7 | | 1 | 10 |
| 11453010065 | 3221912002839 | 0.65 | 0.65 | 26 | 8 | | 1 | 10 |
| 11453010070 | 3221910850920 | 0.7 | 0.7 | 28 | 9 | | 1 | 10 |
| 11453010075 | 3221910850937 | 0.75 | 0.75 | 29 | 9 | | 1 | 10 |
| 11453010080 | 3221910850944 | 0.8 | 0.8 | 30 | 10 | | 1 | 10 |
| 11453010085 | 3221912002846 | 0.85 | 0.85 | 30 | 10 | | 1 | 10 |

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Foret pour le perçage précis et endurant des aciers et des fontes grâce à son affûtage autocentrant.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11453010090 | 3221910850951 | 0.9 | 0.9 | 32 | 11 | 1 | 10 |
| 11453010095 | 3221912002761 | 0.95 | 0.95 | 32 | 11 | 1 | 10 |
| 11453010100 | 3221910850968 | 1 | 1 | 34 | 12 | 1 | 10 |
| 11453010105 | 3221912002778 | 1.05 | 1.05 | 34 | 12 | 1 | 10 |
| 11453010110 | 3221910850975 | 1.1 | 1.1 | 36 | 14 | 1 | 10 |
| 11453010120 | 3221910850982 | 1.2 | 1.2 | 38 | 14 | 1 | 10 |
| 11453010125 | 3221910850999 | 1.25 | 1.25 | 38 | 16 | 1 | 10 |
| 11453010130 | 3221910851002 | 1.3 | 1.3 | 38 | 16 | 1 | 10 |
| 11453010140 | 3221910851019 | 1.4 | 1.4 | 40 | 18 | 1 | 10 |
| 11453010150 | 3221910851026 | 1.5 | 1.5 | 40 | 18 | 1 | 10 |
| 11453010160 | 3221910851033 | 1.6 | 1.6 | 43 | 20 | 1 | 10 |
| 11453010170 | 3221910851040 | 1.7 | 1.7 | 43 | 20 | 1 | 10 |
| 11453010175 | 3221910851057 | 1.75 | 1.75 | 46 | 22 | 1 | 10 |
| 11453010180 | 3221910851064 | 1.8 | 1.8 | 46 | 22 | 1 | 10 |
| 11453010190 | 3221910851071 | 1.9 | 1.9 | 46 | 22 | 1 | 10 |
| 11453010200 | 3221910851088 | 2 | 2 | 49 | 24 | 1 | 10 |
| 11453010210 | 3221910851095 | 2.1 | 2.1 | 49 | 24 | 1 | 10 |
| 11453010220 | 3221910851101 | 2.2 | 2.2 | 53 | 27 | 1 | 10 |
| 11453010225 | 3221910851118 | 2.25 | 2.25 | 53 | 27 | 1 | 10 |
| 11453010230 | 3221910851125 | 2.3 | 2.3 | 53 | 27 | 1 | 10 |
| 11453010240 | 3221910851132 | 2.4 | 2.4 | 57 | 30 | 1 | 10 |
| 11453010250 | 3221910851149 | 2.5 | 2.5 | 57 | 30 | 1 | 10 |
| 11453010260 | 3221910851156 | 2.6 | 2.6 | 57 | 30 | 1 | 10 |
| 11453010270 | 3221910851163 | 2.7 | 2.7 | 61 | 33 | 1 | 10 |
| 11453010275 | 3221910851170 | 2.75 | 2.75 | 61 | 33 | 1 | 10 |
| 11453010280 | 3221910851187 | 2.8 | 2.8 | 61 | 33 | 1 | 10 |
| 11453010290 | 3221910851194 | 2.9 | 2.9 | 61 | 33 | 1 | 10 |
| 11453010300 | 3221910851200 | 3 | 3 | 61 | 33 | 1 | 10 |
| 11453010310 | 3221910851217 | 3.1 | 3.1 | 65 | 36 | 1 | 10 |
| 11453010320 | 3221910851224 | 3.2 | 3.2 | 65 | 36 | 1 | 10 |
| 11453010325 | 3221910851231 | 3.25 | 3.25 | 65 | 36 | 1 | 10 |
| 11453010330 | 3221910851248 | 3.3 | 3.3 | 65 | 36 | 1 | 10 |
| 11453010340 | 3221910851255 | 3.4 | 3.4 | 70 | 39 | 1 | 10 |
| 11453010350 | 3221910851262 | 3.5 | 3.5 | 70 | 39 | 1 | 10 |
| 11453010360 | 3221910851279 | 3.6 | 3.6 | 70 | 39 | 1 | 10 |
| 11453010370 | 3221910851286 | 3.7 | 3.7 | 70 | 39 | 1 | 10 |
| 11453010375 | 3221910851293 | 3.75 | 3.75 | 70 | 39 | 1 | 10 |
| 11453010380 | 3221910851309 | 3.8 | 3.8 | 75 | 43 | 1 | 10 |
| 11453010390 | 3221910851316 | 3.9 | 3.9 | 75 | 43 | 1 | 10 |
| 11453010400 | 3221910851323 | 4 | 4 | 75 | 43 | 1 | 10 |
| 11453010410 | 3221910851330 | 4.1 | 4.1 | 75 | 43 | 1 | 10 |
| 11453010420 | 3221910851347 | 4.2 | 4.2 | 75 | 43 | 1 | 10 |
| 11453010425 | 3221910851354 | 4.25 | 4.25 | 75 | 43 | 1 | 10 |
| 11453010430 | 3221910851361 | 4.3 | 4.3 | 80 | 47 | 1 | 10 |
| 11453010440 | 3221910851378 | 4.4 | 4.4 | 80 | 47 | 1 | 10 |
| 11453010450 | 3221910851385 | 4.5 | 4.5 | 80 | 47 | 1 | 10 |
| 11453010460 | 3221910851392 | 4.6 | 4.6 | 80 | 47 | 1 | 10 |
| 11453010470 | 3221910851408 | 4.7 | 4.7 | 80 | 47 | 1 | 10 |
| 11453010475 | 3221910851415 | 4.75 | 4.75 | 80 | 47 | 1 | 10 |
| 11453010480 | 3221910851422 | 4.8 | 4.8 | 86 | 52 | 1 | 10 |
| 11453010490 | 3221910851439 | 4.9 | 4.9 | 86 | 52 | 1 | 10 |
| 11453010500 | 3221910851446 | 5 | 5 | 86 | 52 | 1 | 10 |
| 11453010510 | 3221910851453 | 5.1 | 5.1 | 86 | 52 | 1 | 10 |
| 11453010520 | 3221910851460 | 5.2 | 5.2 | 86 | 52 | 1 | 10 |
| 11453010525 | 3221910851477 | 5.25 | 5.25 | 86 | 52 | 1 | 10 |
| 11453010530 | 3221910851484 | 5.3 | 5.3 | 86 | 52 | 1 | 10 |
| 11453010540 | 3221910851491 | 5.4 | 5.4 | 93 | 57 | 1 | 10 |
| 11453010550 | 3221910851507 | 5.5 | 5.5 | 93 | 57 | 1 | 10 |
| 11453010560 | 3221910851514 | 5.6 | 5.6 | 93 | 57 | 1 | 10 |
| 11453010570 | 3221910851521 | 5.7 | 5.7 | 93 | 57 | 1 | 10 |
| 11453010575 | 3221910851538 | 5.75 | 5.75 | 93 | 57 | 1 | 10 |
| 11453010580 | 3221910851545 | 5.8 | 5.8 | 93 | 57 | 1 | 10 |
| 11453010590 | 3221910851552 | 5.9 | 5.9 | 93 | 57 | 1 | 10 |
| 11453010600 | 3221910851569 | 6 | 6 | 93 | 57 | 1 | 10 |
| 11453010610 | 3221910851576 | 6.1 | 6.1 | 101 | 63 | 1 | 10 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11453010620 | 3221910851583 | 6.2 | 6.2 | 101 | 63 | 1 | 10 |
| 11453010625 | 3221910851590 | 6.25 | 6.25 | 101 | 63 | 1 | 10 |
| 11453010630 | 3221910851606 | 6.3 | 6.3 | 101 | 63 | 1 | 10 |
| 11453010640 | 3221910851613 | 6.4 | 6.4 | 101 | 63 | 1 | 10 |
| 11453010650 | 3221910851620 | 6.5 | 6.5 | 101 | 63 | 1 | 10 |
| 11453010660 | 3221910851637 | 6.6 | 6.6 | 101 | 63 | 1 | 10 |
| 11453010670 | 3221910851644 | 6.7 | 6.7 | 101 | 63 | 1 | 10 |
| 11453010675 | 3221910851651 | 6.75 | 6.75 | 109 | 69 | 1 | 10 |
| 11453010680 | 3221910851668 | 6.8 | 6.8 | 109 | 69 | 1 | 10 |
| 11453010690 | 3221910851675 | 6.9 | 6.9 | 109 | 69 | 1 | 10 |
| 11453010700 | 3221910851682 | 7 | 7 | 109 | 69 | 1 | 10 |
| 11453010710 | 3221910851699 | 7.1 | 7.1 | 109 | 69 | 1 | 10 |
| 11453010720 | 3221910851705 | 7.2 | 7.2 | 109 | 69 | 1 | 10 |
| 11453010725 | 3221910851712 | 7.25 | 7.25 | 109 | 69 | 1 | 10 |
| 11453010730 | 3221910851729 | 7.3 | 7.3 | 109 | 69 | 1 | 10 |
| 11453010740 | 3221910851736 | 7.4 | 7.4 | 109 | 69 | 1 | 10 |
| 11453010750 | 3221910851743 | 7.5 | 7.5 | 109 | 69 | 1 | 10 |
| 11453010760 | 3221910851750 | 7.6 | 7.6 | 117 | 75 | 1 | 10 |
| 11453010770 | 3221910851767 | 7.7 | 7.7 | 117 | 75 | 1 | 10 |
| 11453010775 | 3221910851774 | 7.75 | 7.75 | 117 | 75 | 1 | 10 |
| 11453010780 | 3221910851781 | 7.8 | 7.8 | 117 | 75 | 1 | 10 |
| 11453010790 | 3221910851798 | 7.9 | 7.9 | 117 | 75 | 1 | 10 |
| 11453010800 | 3221910851804 | 8 | 8 | 117 | 75 | 1 | 10 |
| 11453010810 | 3221910851811 | 8.1 | 8.1 | 117 | 75 | 1 | 5 |
| 11453010820 | 3221910851828 | 8.2 | 8.2 | 117 | 75 | 1 | 5 |
| 11453010825 | 3221910851835 | 8.25 | 8.25 | 117 | 75 | 1 | 5 |
| 11453010830 | 3221910851842 | 8.3 | 8.3 | 117 | 75 | 1 | 5 |
| 11453010840 | 3221910851859 | 8.4 | 8.4 | 117 | 75 | 1 | 5 |
| 11453010850 | 3221910851866 | 8.5 | 8.5 | 117 | 75 | 1 | 5 |
| 11453010860 | 3221910851873 | 8.6 | 8.6 | 125 | 81 | 1 | 5 |
| 11453010870 | 3221910851880 | 8.7 | 8.7 | 125 | 81 | 1 | 5 |
| 11453010875 | 3221910851897 | 8.75 | 8.75 | 125 | 81 | 1 | 5 |
| 11453010880 | 3221910851903 | 8.8 | 8.8 | 125 | 81 | 1 | 5 |
| 11453010890 | 3221910851910 | 8.9 | 8.9 | 125 | 81 | 1 | 5 |
| 11453010900 | 3221910851927 | 9 | 9 | 125 | 81 | 1 | 5 |
| 11453010910 | 3221910851934 | 9.1 | 9.1 | 125 | 81 | 1 | 5 |
| 11453010920 | 3221910851941 | 9.2 | 9.2 | 125 | 81 | 1 | 5 |
| 11453010925 | 3221910851958 | 9.25 | 9.25 | 125 | 81 | 1 | 5 |
| 11453010930 | 3221910851965 | 9.3 | 9.3 | 125 | 81 | 1 | 5 |
| 11453010940 | 3221910851972 | 9.4 | 9.4 | 125 | 81 | 1 | 5 |
| 11453010950 | 3221910851989 | 9.5 | 9.5 | 125 | 81 | 1 | 5 |
| 11453010960 | 3221910851996 | 9.6 | 9.6 | 133 | 87 | 1 | 5 |
| 11453010970 | 3221910852009 | 9.7 | 9.7 | 133 | 87 | 1 | 5 |
| 11453010975 | 3221910852016 | 9.75 | 9.75 | 133 | 87 | 1 | 5 |
| 11453010980 | 3221910852023 | 9.8 | 9.8 | 133 | 87 | 1 | 5 |
| 11453010990 | 3221910852030 | 9.9 | 9.9 | 133 | 87 | 1 | 5 |
| 11453011000 | 3221910852047 | 10 | 10 | 133 | 87 | 1 | 5 |
| 11453011010 | 3221910852054 | 10.1 | 10.1 | 133 | 87 | 1 | 5 |
| 11453011020 | 3221910852061 | 10.2 | 10.2 | 133 | 87 | 1 | 5 |
| 11453011025 | 3221910852078 | 10.25 | 10.25 | 133 | 87 | 1 | 5 |
| 11453011030 | 3221910852085 | 10.3 | 10.3 | 133 | 87 | 1 | 5 |
| 11453011040 | 3221910852092 | 10.4 | 10.4 | 133 | 87 | 1 | 5 |
| 11453011050 | 3221910852108 | 10.5 | 10.5 | 133 | 87 | 1 | 5 |
| 11453011060 | 3221910852115 | 10.6 | 10.6 | 133 | 87 | 1 | 5 |
| 11453011070 | 3221910852122 | 10.7 | 10.7 | 142 | 94 | 1 | 5 |
| 11453011075 | 3221910852139 | 10.75 | 10.75 | 142 | 94 | 1 | 5 |
| 11453011080 | 3221910852146 | 10.8 | 10.8 | 142 | 94 | 1 | 5 |
| 11453011090 | 3221910852153 | 10.9 | 10.9 | 142 | 94 | 1 | 5 |
| 11453011100 | 3221910852160 | 11 | 11 | 142 | 94 | 1 | 5 |
| 11453011110 | 3221910852177 | 11.1 | 11.1 | 142 | 94 | 1 | 5 |
| 11453011120 | 3221910852184 | 11.2 | 11.2 | 142 | 94 | 1 | 5 |
| 11453011125 | 3221910852191 | 11.25 | 11.25 | 142 | 94 | 1 | 5 |
| 11453011130 | 3221910852207 | 11.3 | 11.3 | 142 | 94 | 1 | 5 |
| 11453011140 | 3221910852214 | 11.4 | 11.4 | 142 | 94 | 1 | 5 |
| 11453011150 | 3221910852221 | 11.5 | 11.5 | 142 | 94 | 1 | 5 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11453011160 | 3221910852238 | 11.6 | 11.6 | 142 | 94 | 1 | 5 |
| 11453011170 | 3221910852245 | 11.7 | 11.7 | 142 | 94 | 1 | 5 |
| 11453011175 | 3221910852252 | 11.75 | 11.75 | 142 | 94 | 1 | 5 |
| 11453011180 | 3221910852269 | 11.8 | 11.8 | 151 | 101 | 1 | 5 |
| 11453011190 | 3221910852276 | 11.9 | 11.9 | 151 | 101 | 1 | 5 |
| 11453011200 | 3221910852283 | 12 | 12 | 151 | 101 | 1 | 5 |
| 11453011210 | 3221910852290 | 12.1 | 12.1 | 151 | 101 | 1 | 5 |
| 11453011220 | 3221910852306 | 12.2 | 12.2 | 151 | 101 | 1 | 5 |
| 11453011225 | 3221910852313 | 12.25 | 12.25 | 151 | 101 | 1 | 5 |
| 11453011230 | 3221910852320 | 12.3 | 12.3 | 151 | 101 | 1 | 5 |
| 11453011240 | 3221910852337 | 12.4 | 12.4 | 151 | 101 | 1 | 5 |
| 11453011250 | 3221910852344 | 12.5 | 12.5 | 151 | 101 | 1 | 5 |
| 11453011260 | 3221910852351 | 12.6 | 12.6 | 151 | 101 | 1 | 5 |
| 11453011270 | 3221910852368 | 12.7 | 12.7 | 151 | 101 | 1 | 5 |
| 11453011275 | 3221910852375 | 12.75 | 12.75 | 151 | 101 | 1 | 5 |
| 11453011280 | 3221910852382 | 12.8 | 12.8 | 151 | 101 | 1 | 5 |
| 11453011290 | 3221910852399 | 12.9 | 12.9 | 151 | 101 | 1 | 5 |
| 11453011300 | 3221910852405 | 13 | 13 | 151 | 101 | 1 | 5 |
| 11453011350 | 3221910852962 | 13.5 | 12 | 160 | 108 | 1 | 1 |
| 11453011400 | 3221910852979 | 14 | 12 | 160 | 108 | 1 | 1 |
| 11453011450 | 3221910852986 | 14.5 | 12 | 169 | 114 | 1 | 1 |
| 11453011500 | 3221910852993 | 15 | 12 | 169 | 114 | 1 | 1 |
| 11453011550 | 3221910853006 | 15.5 | 12 | 178 | 120 | 1 | 1 |
| 11453011600 | 3221910853013 | 16 | 12 | 178 | 120 | 1 | 1 |
| 11453011650 | 3221910853020 | 16.5 | 12 | 184 | 125 | 1 | 1 |
| 11453011700 | 3221910853037 | 17 | 12 | 184 | 125 | 1 | 1 |
| 11453011750 | 3221910853044 | 17.5 | 12 | 191 | 130 | 1 | 1 |
| 11453011800 | 3221910853051 | 18 | 12 | 191 | 130 | 1 | 1 |
| 11453011850 | 3221910853068 | 18.5 | 12 | 198 | 135 | 1 | 1 |
| 11453011900 | 3221910853075 | 19 | 12 | 198 | 135 | 1 | 1 |
| 11453011950 | 3221910853082 | 19.5 | 12 | 205 | 140 | 1 | 1 |
| 11453012000 | 3221910853099 | 20 | 12 | 205 | 140 | 1 | 1 |
| 11453012100 | 3221910853105 | 21 | 12 | 205 | 145 | 1 | 1 |
| 11453012200 | 3221910853112 | 22 | 12 | 210 | 150 | 1 | 1 |
| 11453012300 | 3221910853129 | 23 | 12 | 210 | 150 | 1 | 1 |
| 11453012400 | 3221910853136 | 24 | 12 | 220 | 160 | 1 | 1 |
| 11453012500 | 3221910853143 | 25 | 12 | 220 | 160 | 1 | 1 |