

**PUNTE PER METALLI ROTAZIONE DESTRA** (stub drills, right hand cutting)

**Orig. Hartner - Art. 81040**

DIN 338. Tipo FN. In acciaio SUPER-RAPIDO-HSS. Angolo di taglio 130°. Mod. CORTO.

Tagliente assottigliato secondo DIN 1412 A. Punte speciali adatte per fori profondi.

Indicate su macchine automatiche.

Per acciai fino a R 1000 N/mm<sup>2</sup>.

Attacco cilindrico.



**8423G**



**HSS**

Ø .....	mm	<b>2</b>	<b>2,1</b>	<b>2,2</b>	<b>2,4*</b>	<b>2,5</b>	<b>2,6*</b>	<b>2,7</b>	<b>2,8</b>	<b>2,9</b>	<b>3</b>	<b>3,1</b>	<b>3,15</b>	<b>3,2</b>	<b>3,3</b>	<b>3,4</b>	<b>3,5</b>	<b>3,6</b>
Lungh. totale .....	mm	49	49	53	57	57	57	61	61	61	61	65	65	65	65	70	70	70
Lungh. elica .....	mm	24	24	27	30	30	30	33	33	33	33	36	36	36	36	39	39	39
<b>8423G</b>	<b>Cad.</b>	<b>7,54</b>	<b>8,76</b>	<b>8,76</b>	<b>6,84</b>	<b>7,54</b>	<b>7,22</b>	<b>9,90</b>	<b>9,80</b>	<b>9,70</b>	<b>8,14</b>	<b>9,90</b>	<b>12,80</b>	<b>9,70</b>	<b>9,90</b>	<b>10,70</b>	<b>8,76</b>	<b>11,60</b>
Ø .....	mm	<b>3,8</b>	<b>3,9</b>	<b>4</b>	<b>4,1</b>	<b>4,2</b>	<b>4,3*</b>	<b>4,4</b>	<b>4,5</b>	<b>4,6</b>	<b>4,7</b>	<b>4,8</b>	<b>4,9</b>	<b>5</b>	<b>5,2</b>	<b>5,3</b>	<b>5,4</b>	<b>5,5</b>
Lungh. totale .....	mm	75	75	75	75	75	80	80	80	80	80	86	86	86	86	86	93	93
Lungh. elica .....	mm	43	43	43	43	43	47	47	47	47	47	52	52	52	52	52	57	57
<b>8423G</b>	<b>Cad.</b>	<b>11,50</b>	<b>12,80</b>	<b>9,70</b>	<b>11,90</b>	<b>11,10</b>	<b>9,56</b>	<b>13,30</b>	<b>11,40</b>	<b>15,80</b>	<b>13,80</b>	<b>13,80</b>	<b>14,30</b>	<b>11,90</b>	<b>15,30</b>	<b>16,70</b>	<b>16,30</b>	<b>14,20</b>
Ø .....	mm	<b>5,6</b>	<b>5,7</b>	<b>5,8</b>	<b>5,9</b>	<b>6</b>	<b>6,1*</b>	<b>6,2*</b>	<b>6,3</b>	<b>6,4</b>	<b>6,5</b>	<b>6,6*</b>	<b>6,7</b>	<b>6,8</b>	<b>7</b>	<b>7,3*</b>	<b>7,4</b>	<b>7,5</b>
Lungh. totale .....	mm	93	93	93	93	93	101	101	101	101	101	101	101	109	109	109	109	109
Lungh. elica .....	mm	57	57	57	57	57	63	63	63	63	63	63	63	69	69	69	69	69
<b>8423G</b>	<b>Cad.</b>	<b>16,60</b>	<b>16,60</b>	<b>17,40</b>	<b>19,30</b>	<b>15,80</b>	<b>15,10</b>	<b>14,80</b>	<b>19,50</b>	<b>20,80</b>	<b>17,10</b>	<b>16,60</b>	<b>21,50</b>	<b>20,40</b>	<b>17,80</b>	<b>25,80</b>	<b>31,30</b>	<b>23,10</b>
Ø .....	mm	<b>7,6</b>	<b>7,7*</b>	<b>7,8</b>	<b>7,9</b>	<b>8</b>	<b>8,1</b>	<b>8,2</b>	<b>8,3</b>	<b>8,4</b>	<b>8,5</b>	<b>8,6*</b>	<b>8,7*</b>	<b>8,8</b>	<b>8,9</b>	<b>9</b>	<b>9,1</b>	<b>9,2</b>
Lungh. totale .....	mm	117	117	117	117	117	117	117	117	117	117	125	125	125	125	125	125	125
Lungh. elica .....	mm	75	75	75	75	75	75	75	75	75	75	81	81	81	81	81	81	81
<b>8423G</b>	<b>Cad.</b>	<b>37,30</b>	<b>28,80</b>	<b>32,80</b>	<b>35,90</b>	<b>23,30</b>	<b>35,90</b>	<b>35,90</b>	<b>52,60</b>	<b>46,50</b>	<b>25,90</b>	<b>35,80</b>	<b>40,10</b>	<b>47,30</b>	<b>51,10</b>	<b>27,60</b>	<b>57,30</b>	<b>51,10</b>
Ø .....	mm	<b>9,3</b>	<b>9,4</b>	<b>9,5</b>	<b>9,6</b>	<b>9,7</b>	<b>9,8</b>	<b>9,9</b>	<b>10</b>	<b>10,5</b>	<b>10,8</b>	<b>11</b>	<b>11,2*</b>	<b>11,5*</b>	<b>12</b>	<b>12,2</b>	<b>13</b>	
Lungh. totale .....	mm	125	125	125	133	133	133	133	133	133	142	142	142	142	151	151	151	
Lungh. elica .....	mm	81	81	81	87	87	87	87	87	87	94	94	94	94	101	101	101	
<b>8423G</b>	<b>Cad.</b>	<b>52,60</b>	<b>57,90</b>	<b>35,10</b>	<b>53,30</b>	<b>62,90</b>	<b>55,70</b>	<b>61,10</b>	<b>30,60</b>	<b>50,40</b>	<b>79,20</b>	<b>54,80</b>	<b>83,40</b>	<b>46,30</b>	<b>66,40</b>	<b>135,00</b>	<b>89,90</b>	

Fino a Ø mm 7,5 in confezioni da 10 pezzi.

\* Misure in esaurimento.

**PUNTE PER OTTONE, BRONZO E LEGHE NON FERROSE ROTAZIONE DESTRA** (slow helix drills, right hand cutting)

**Orig. Hartner - Art. 81020-118°**

DIN 338. Tipo H. In acciaio SUPER-RAPIDO-HSS. Angolo di taglio 118°. Mod. CORTO.

Per ottone, bronzo, leghe non ferrose a truciolo corto.

Attacco cilindrico.



**8429G**



**HSS**

Ø .....	mm	<b>0,5</b>	<b>0,6</b>	<b>0,7</b>	<b>0,75*</b>	<b>0,8*</b>	<b>0,9</b>	<b>1</b>	<b>1,1</b>	<b>1,2</b>	<b>1,25</b>	<b>1,3</b>	<b>1,4</b>	<b>1,5</b>	<b>1,6</b>	<b>1,7</b>	<b>1,8</b>
Lungh. totale .....	mm	22	24	28	28	30	32	34	36	38	38	38	40	40	43	43	46
Lungh. elica .....	mm	6	7	9	9	10	11	12	14	16	16	16	18	18	20	20	22
<b>8429G</b>	<b>Cad.</b>	<b>12,80</b>	<b>12,40</b>	<b>11,10</b>	<b>10,50</b>	<b>10,30</b>	<b>10,70</b>	<b>7,96</b>	<b>8,56</b>	<b>9,52</b>	<b>11,10</b>	<b>9,52</b>	<b>8,48</b>	<b>7,36</b>	<b>8,30</b>	<b>8,22</b>	<b>8,40</b>
Ø .....	mm	<b>1,9</b>	<b>2</b>	<b>2,1</b>	<b>2,2</b>	<b>2,25</b>	<b>2,3</b>	<b>2,4</b>	<b>2,5</b>	<b>2,6</b>	<b>2,7</b>	<b>2,75*</b>	<b>2,8</b>	<b>2,9</b>	<b>3</b>	<b>3,1</b>	<b>3,2</b>
Lungh. totale .....	mm	46	49	49	53	53	53	57	57	57	61	61	61	61	61	65	65
Lungh. elica .....	mm	22	24	24	27	27	27	30	30	30	33	33	33	33	33	36	36
<b>8429G</b>	<b>Cad.</b>	<b>7,88</b>	<b>6,14</b>	<b>7,48</b>	<b>8,14</b>	<b>11,50</b>	<b>8,14</b>	<b>8,22</b>	<b>6,32</b>	<b>7,96</b>	<b>8,22</b>	<b>5,70</b>	<b>8,22</b>	<b>8,30</b>	<b>6,84</b>	<b>9,60</b>	<b>9,26</b>
Ø .....	mm	<b>3,3</b>	<b>3,4</b>	<b>3,5</b>	<b>3,6*</b>	<b>3,7</b>	<b>3,9</b>	<b>4</b>	<b>4,1</b>	<b>4,2</b>	<b>4,3</b>	<b>4,4</b>	<b>4,5</b>	<b>4,6</b>	<b>4,7</b>	<b>4,8</b>	<b>4,9*</b>
Lungh. totale .....	mm	65	70	70	70	70	75	75	75	75	80	80	80	80	80	86	86
Lungh. elica .....	mm	36	39	39	39	39	43	43	43	43	47	47	47	47	47	52	52
<b>8429G</b>	<b>Cad.</b>	<b>8,48</b>	<b>9,60</b>	<b>7,96</b>	<b>8,24</b>	<b>10,40</b>	<b>13,10</b>	<b>7,88</b>	<b>11,90</b>	<b>10,70</b>	<b>12,50</b>	<b>15,10</b>	<b>10,40</b>	<b>13,30</b>	<b>14,10</b>	<b>13,10</b>	<b>10,50</b>
Ø .....	mm	<b>5</b>	<b>5,1</b>	<b>5,2</b>	<b>5,25*</b>	<b>5,3</b>	<b>5,4*</b>	<b>5,5</b>	<b>5,6</b>	<b>5,7*</b>	<b>5,75*</b>	<b>5,8</b>	<b>5,9</b>	<b>6</b>	<b>6,1</b>	<b>6,2</b>	<b>6,3</b>
Lungh. totale .....	mm	86	86	86	86	86	93	93	93	93	93	93	93	93	101	101	101
Lungh. elica .....	mm	52	52	52	52	52	57	57	57	57	57	57	57	57	63	63	63
<b>8429G</b>	<b>Cad.</b>	<b>10,50</b>	<b>13,90</b>	<b>14,10</b>	<b>19,50</b>	<b>14,70</b>	<b>15,10</b>	<b>14,10</b>	<b>19,50</b>	<b>15,80</b>	<b>27,60</b>	<b>16,90</b>	<b>19,50</b>	<b>13,70</b>	<b>17,80</b>	<b>17,80</b>	<b>21,10</b>
Ø .....	mm	<b>6,4</b>	<b>6,5</b>	<b>6,6*</b>	<b>6,7</b>	<b>6,8</b>	<b>6,9*</b>	<b>7</b>	<b>7,1*</b>	<b>7,25</b>	<b>7,3*</b>	<b>7,4*</b>	<b>7,5</b>	<b>7,6</b>	<b>7,7</b>	<b>7,8</b>	<b>8</b>
Lungh. totale .....	mm	101	101	101	101	109	109	109	109	109	109	109	109	117	117	117	117
Lungh. elica .....	mm	63	63	63	63	69	69	69	69	69	69	69	69	69	75	75	75
<b>8429G</b>	<b>Cad.</b>	<b>22,20</b>	<b>17,30</b>	<b>14,90</b>	<b>22,50</b>	<b>20,10</b>	<b>19,30</b>	<b>19,70</b>	<b>21,20</b>	<b>55,10</b>	<b>25,70</b>	<b>23,30</b>	<b>24,10</b>	<b>32,50</b>	<b>34,10</b>	<b>32,50</b>	<b>22,60</b>
Ø .....	mm	<b>8,1</b>	<b>8,2</b>	<b>8,25*</b>	<b>8,4</b>	<b>8,5</b>	<b>8,6*</b>	<b>8,7*</b>	<b>8,8</b>	<b>8,9</b>	<b>9</b>	<b>9,1</b>	<b>9,2</b>	<b>9,25</b>	<b>9,3*</b>	<b>9,4*</b>	<b>9,5</b>
Lungh. totale .....	mm	117	117	117	117	117	125	125	125	125	125	125	125	125	125	125	125
Lungh. elica .....	mm	75	75	75	75	75	81	81	81	81	81	81	81	81	81	81	81
<b>8429G</b>	<b>Cad.</b>	<b>33,40</b>	<b>30,10</b>	<b>27,40</b>	<b>40,30</b>	<b>29,50</b>	<b>36,10</b>	<b>34,50</b>	<b>46,70</b>	<b>39,90</b>	<b>32,50</b>	<b>51,80</b>	<b>51,80</b>	<b>76,70</b>	<b>39,90</b>	<b>51,80</b>	<b>40,30</b>
Ø .....	mm	<b>9,6*</b>	<b>9,7</b>	<b>9,75</b>	<b>9,8</b>	<b>9,9</b>	<b>10</b>	<b>10,5</b>	<b>11</b>	<b>11,5</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>		
Lungh. totale .....	mm	133	133	133	133	133	133	133	142	142	151	151	160	169	178		
Lungh. elica .....	mm	87	87	87	87	87	87	87	94	94	101	101	108	114	120		
<b>8429G</b>	<b>Cad.</b>	<b>43,90</b>	<b>56,90</b>	<b>71,60</b>	<b>51,80</b>	<b>61,40</b>	<b>35,20</b>	<b>47,30</b>	<b>53,70</b>	<b>69,10</b>	<b>70,30</b>	<b>79,30</b>	<b>103,00</b>	<b>117,00</b>	<b>144,00</b>		

Fino a Ø mm 7,5 in confezioni da 10 pezzi.

\* Misure in esaurimento.

Tutte le immagini sono inserite a scopo illustrativo. I prodotti possono subire modifiche.

Prezzi in EURO - IVA esclusa