

## HSS, STRAIGHT SHANK TWIST DRILLS

 **HSS, SPIRALBOHRER mit ZYLINDERSCHAFT**

Forets HSS, queue cylindrique, série courte

🇮🇹 **PUNTE ELICOIDALI, GAMBO CILINDRICO, HSS**

► **Surface treatment:** Steam Tempered(Black Oxide Finish)

Bright Finish under 2mm

► **Application** : Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

► Oberflächenbehandlung : Steam Homo (Schwarzoxidation)

Helle Beschaffenheit unter 2mm

► **Verwendung** : Zum Bohren von Stahl und Stahlguß, Grauguß, Temperguß, Sphäroguß, Sinterguß, Graphit.



DIN 338

HSS



118°

**Vap**



p.A262



Recommend Tool Holder

DisaSchool

2000

 FBI LABORATORY

073.115

Unit : mm

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105987 | 8.75           | 81           | 125            |
| D1105088 | 8.8            | 81           | 125            |
| D1105089 | 8.9            | 81           | 125            |
| D1105090 | 9.0            | 81           | 125            |
| D1105091 | 9.1            | 81           | 125            |
| D1105092 | 9.2            | 81           | 125            |
| D1105992 | 9.25           | 81           | 125            |
| D1105093 | 9.3            | 81           | 125            |
| D1105094 | 9.4            | 81           | 125            |
| D1105095 | 9.5            | 81           | 125            |
| D1105096 | 9.6            | 87           | 133            |
| D1105097 | 9.7            | 87           | 133            |
| D1105997 | 9.75           | 87           | 133            |
| D1105098 | 9.8            | 87           | 133            |
| D1105099 | 9.9            | 87           | 133            |
| D1105100 | 10.0           | 87           | 133            |
| D1105101 | 10.1           | 87           | 133            |
| D1105102 | 10.2           | 87           | 133            |
| D1105802 | 10.25          | 87           | 133            |
| D1105103 | 10.3           | 87           | 133            |
| D1105104 | 10.4           | 87           | 133            |
| D1105105 | 10.5           | 87           | 133            |
| D1105106 | 10.6           | 87           | 133            |
| D1105107 | 10.7           | 94           | 142            |
| D1105807 | 10.75          | 94           | 142            |
| D1105108 | 10.8           | 94           | 142            |

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105109 | 10.9           | 94           | 142            |
| D1105110 | 11.0           | 94           | 142            |
| D1105111 | 11.1           | 94           | 142            |
| D1105112 | 11.2           | 94           | 142            |
| D1105812 | 11.25          | 94           | 142            |
| D1105113 | 11.3           | 94           | 142            |
| D1105114 | 11.4           | 94           | 142            |
| D1105115 | 11.5           | 94           | 142            |
| D1105116 | 11.6           | 94           | 142            |
| D1105117 | 11.7           | 94           | 142            |
| D1105817 | 11.75          | 94           | 142            |
| D1105118 | 11.8           | 94           | 142            |
| D1105119 | 11.9           | 101          | 151            |
| D1105120 | 12.0           | 101          | 151            |
| D1105121 | 12.1           | 101          | 151            |
| D1105122 | 12.2           | 101          | 151            |
| D1105822 | 12.25          | 101          | 151            |
| D1105123 | 12.3           | 101          | 151            |
| D1105124 | 12.4           | 101          | 151            |
| D1105125 | 12.5           | 101          | 151            |
| D1105126 | 12.6           | 101          | 151            |
| D1105127 | 12.7           | 101          | 151            |
| D1105827 | 12.75          | 101          | 151            |
| D1105128 | 12.8           | 101          | 151            |
| D1105129 | 12.9           | 101          | 151            |
| D1105130 | 13.0           | 101          | 151            |

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⊙ : Excellent ○ : Good

| ISO                  | P                      |     |                        |     |     |                                           |     |     |     |                                 | M   |                             |     |     |                | K               |                   |                |                     |                    |     |
|----------------------|------------------------|-----|------------------------|-----|-----|-------------------------------------------|-----|-----|-----|---------------------------------|-----|-----------------------------|-----|-----|----------------|-----------------|-------------------|----------------|---------------------|--------------------|-----|
| Material Description | Non-alloy steel        |     |                        |     |     | Low alloy steel                           |     |     |     | High alloy steel and tool steel |     | Stainless steel             |     |     | Grey cast iron |                 | Nodular cast iron |                | Malleable cast iron |                    |     |
| VDI 3323             | 1                      | 2   | 3                      | 4   | 5   | 6                                         | 7   | 8   | 9   | 10                              | 11  | 12                          | 13  | 14  | 15             | 16              | 17                | 18             | 19                  | 20                 |     |
| HRc                  | 13                     | 25  | 28                     | 32  |     | 10                                        | 29  | 32  | 38  | 15                              | 35  | 15                          | 23  | 10  | 10             | 26              | 3                 | 25             |                     | 21                 |     |
| HB                   | 125                    | 190 | 250                    | 270 | 300 | 180                                       | 275 | 300 | 350 | 200                             | 325 | 200                         | 240 | 180 | 180            | 260             | 160               | 250            | 130                 | 230                |     |
| Recommended          | ☒                      | ☒   | ☒                      | ☐   |     | ☒                                         | ☐   | ☐   |     | ☐                               |     | ☐                           | ☐   | ☐   | ☐              | ☐               | ☐                 |                | ☐                   |                    |     |
| ISO                  | N                      |     |                        |     |     |                                           |     |     |     |                                 | S   |                             |     |     |                |                 | H                 |                |                     |                    |     |
| Material Description | Aluminum-wrought alloy |     | Aluminum-cast, alloyed |     |     | Copper and Copper Alloys (Bronze / Brass) |     |     |     | Non Metallic Materials          |     | Heat Resistant Super Alloys |     |     |                | Titanium Alloys |                   | Hardened steel | Chilled Cast Iron   | Hardened Cast Iron |     |
| VDI 3323             | 21                     | 22  | 23                     | 24  | 25  | 26                                        | 27  | 28  | 29  | 30                              | 31  | 32                          | 33  | 34  | 35             | 36              | 37                | 38             | 39                  | 40                 | 41  |
| HRc                  |                        |     |                        |     |     |                                           |     |     |     |                                 | 15  | 30                          | 25  | 38  | 34             |                 |                   | 55             | 60                  | 42                 | 55  |
| HB                   | 60                     | 100 | 75                     | 90  | 130 | 110                                       | 90  | 100 |     |                                 | 200 | 280                         | 250 | 350 | 320            | 400 Rm          | 1050 Rm           | 550            | 630                 | 400                | 550 |
| Recommended          | ☐                      | ☐   | ☐                      |     |     |                                           |     |     | ☐   |                                 |     |                             |     |     |                | ☐               | ☐                 | ☐              | ☐                   | ☐                  | ☐   |

## HSS, STRAIGHT SHANK TWIST DRILLS

**JOBBER**

 **HSS, SPIRALBOHRER mit ZYLINDERSCHAFT**  
 **Forets HSS, queue cylindrique, série courte**  
 **PUNTE ELICOIDALI. GAMBO CILINDRICO. HSS**

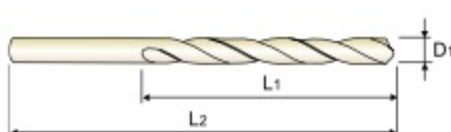
KURZ  
COURTE  
CORTA

► **Surface treatment** : Steam Tempered(Black Oxide Finish)  
Bright Finish under 2mm

► **Application** : Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

► **Oberflächenbehandlung** : Steam Homo (Schwarzoxidation)  
Helle Beschaffenheit unter 2mm

► **Verwendung** : Zum Bohren von Stahl und Stahlguß,  
Grauguß, Temperguß, Sphäroguß,  
Sinter Eisen, Graphite.



DIN 338 HSS N 20~30° h8 118° Vap p.A262

|                                                                                                    | PlainShank     | Page    |
|----------------------------------------------------------------------------------------------------|----------------|---------|
|  Recommended Tool | © EROOLETCHUCK | D73-115 |

Unit : mm

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105932 | 3.25           | 36           | 65             |
| D1105033 | 3.3            | 36           | 65             |
| D1105933 | 3.35           | 36           | 65             |
| D1105034 | 3.4            | 39           | 70             |
| D1105934 | 3.45           | 39           | 70             |
| D1105035 | 3.5            | 39           | 70             |
| D1105935 | 3.55           | 39           | 70             |
| D1105036 | 3.6            | 39           | 70             |
| D1105936 | 3.65           | 39           | 70             |
| D1105037 | 3.7            | 39           | 70             |
| D1105937 | 3.75           | 39           | 70             |
| D1105038 | 3.8            | 43           | 75             |
| D1105938 | 3.85           | 43           | 75             |
| D1105039 | 3.9            | 43           | 75             |
| D1105939 | 3.95           | 43           | 75             |
| D1105040 | 4.0            | 43           | 75             |
| D1105940 | 4.05           | 43           | 75             |
| D1105041 | 4.1            | 43           | 75             |
| D1105941 | 4.15           | 43           | 75             |
| D1105042 | 4.2            | 43           | 75             |
| D1105942 | 4.25           | 43           | 75             |
| D1105043 | 4.3            | 47           | 80             |
| D1105943 | 4.35           | 47           | 80             |
| D1105044 | 4.4            | 47           | 80             |
| D1105944 | 4.45           | 47           | 80             |
| D1105045 | 4.5            | 47           | 80             |

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105945 | 4.55           | 47           | 80             |
| D1105046 | 4.6            | 47           | 80             |
| D1105946 | 4.65           | 47           | 80             |
| D1105047 | 4.7            | 47           | 80             |
| D1105947 | 4.75           | 47           | 80             |
| D1105048 | 4.8            | 52           | 86             |
| D1105948 | 4.85           | 52           | 86             |
| D1105049 | 4.9            | 52           | 86             |
| D1105949 | 4.95           | 52           | 86             |
| D1105050 | 5.0            | 52           | 86             |
| D1105950 | 5.05           | 52           | 86             |
| D1105051 | 5.1            | 52           | 86             |
| D1105951 | 5.15           | 52           | 86             |
| D1105052 | 5.2            | 52           | 86             |
| D1105952 | 5.25           | 52           | 86             |
| D1105053 | 5.3            | 52           | 86             |
| D1105953 | 5.35           | 57           | 93             |
| D1105054 | 5.4            | 57           | 93             |
| D1105954 | 5.45           | 57           | 93             |
| D1105055 | 5.5            | 57           | 93             |
| D1105955 | 5.55           | 57           | 93             |
| D1105056 | 5.6            | 57           | 93             |
| D1105956 | 5.65           | 57           | 93             |
| D1105057 | 5.7            | 57           | 93             |
| D1105957 | 5.75           | 57           | 93             |
| D1105058 | 5.8            | 57           | 93             |

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⊕ : Excellent ⊖ : Good

| ISO                  | P                      |     |                        |     |     |                                           |     |     |                        |                                 |                             | M               |     |     | K               |     |                   |                |                     |                   |                    |
|----------------------|------------------------|-----|------------------------|-----|-----|-------------------------------------------|-----|-----|------------------------|---------------------------------|-----------------------------|-----------------|-----|-----|-----------------|-----|-------------------|----------------|---------------------|-------------------|--------------------|
| Material Description | Non-alloy steel        |     |                        |     |     | Low alloy steel                           |     |     |                        | High alloy steel and tool steel |                             | Stainless steel |     |     | Grey cast iron  |     | Nodular cast iron |                | Malleable cast iron |                   |                    |
| VDI 3323             | 1                      | 2   | 3                      | 4   | 5   | 6                                         | 7   | 8   | 9                      | 10                              | 11                          | 12              | 13  | 14  | 15              | 16  | 17                | 18             | 19                  | 20                |                    |
| HrC                  |                        | 13  | 25                     | 28  | 32  | 10                                        | 29  | 32  | 38                     | 15                              | 35                          | 15              | 23  | 10  | 10              | 26  | 3                 | 25             |                     | 21                |                    |
| HB                   | 125                    | 190 | 250                    | 270 | 300 | 180                                       | 275 | 300 | 350                    | 200                             | 325                         | 200             | 240 | 180 | 180             | 260 | 160               | 250            | 130                 | 230               |                    |
| Recommended          | ☉                      | ☉   | ☉                      | ○   |     | ☉                                         | ○   | ○   |                        | ○                               |                             | ○               | ○   | ○   | ○               | ○   | ○                 |                | ○                   |                   |                    |
| ISO                  | N                      |     |                        |     |     |                                           |     |     |                        |                                 | S                           |                 |     |     |                 |     |                   | H              |                     |                   |                    |
| Material Description | Aluminum-wrought alloy |     | Aluminum-cast, alloyed |     |     | Copper and Copper Alloys (Bronze / Brass) |     |     | Non Metallic Materials |                                 | Heat Resistant Super Alloys |                 |     |     | Titanium Alloys |     |                   | Hardened steel |                     | Chilled Cast Iron | Hardened Cast Iron |
| VDI 3323             | 21                     | 22  | 23                     | 24  | 25  | 26                                        | 27  | 28  | 29                     | 30                              | 31                          | 32              | 33  | 34  | 35              | 36  | 37                | 38             | 39                  | 40                | 41                 |
| HrC                  |                        |     |                        |     |     |                                           |     |     |                        |                                 | 15                          | 30              | 25  | 38  | 34              |     |                   | 55             | 60                  | 42                | 55                 |
| HB                   | 60                     | 100 | 75                     | 90  | 130 | 110                                       | 90  | 100 |                        |                                 | 200                         | 280             | 250 | 350 | 320             |     |                   | 400 Rm         | 1050 Rm             | 550               | 630                |
| Recommended          | ○                      | ○   | ○                      |     |     |                                           |     |     | ○                      |                                 |                             |                 |     |     |                 |     | ○                 |                |                     | 400               | 550                |

## HSS, STRAIGHT SHANK TWIST DRILLS

 **HSS, SPIRALBOHRER mit ZYLINDERSCHAFT**  
 **Forets HSS, queue cylindrique, série courte**  
 **PUNTE ELICOIDALI. GAMBO CILINDRICO. HSS**

**JOBBER**

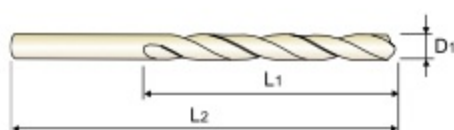
KURZ  
COURTE  
CORTA

► **Surface treatment:** Steam Tempered(Black Oxide Finish)  
Bright Finish under 2mm

► **Application** : Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

► **Oberflächenbehandlung** : Steam Homo (Schwarzoxidation)  
Helle Beschaffenheit unter 2mm

► **Verwendung** : Zum Bohren von Stahl und Stahlguß,  
Grauguß, Temperguß, Sphäroguß,  
Sinterisen, Graphite.



DIN 338 HSS N 20~30° h8 118° Vap p.A262

|                                                                                                                          |                                                                                                         |         |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------|
| <br><b>Recommended<br/>Toolholder</b> | PlainShank                                                                                              | Page    |
|                                                                                                                          |  <b>ERCOLLETHUCK</b> | D73-115 |

Unit : mm

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105003 | 0.3            | 3            | 19             |
| D1105004 | 0.4            | 5            | 20             |
| D1105005 | 0.5            | 6            | 22             |
| D1105006 | 0.6            | 7            | 24             |
| D1105007 | 0.7            | 9            | 28             |
| D1105008 | 0.8            | 10           | 30             |
| D1105009 | 0.9            | 11           | 32             |
| D1105010 | 1.0            | 12           | 34             |
| D1105910 | 1.05           | 12           | 34             |
| D1105011 | 1.1            | 14           | 36             |
| D1105911 | 1.15           | 14           | 36             |
| D1105012 | 1.2            | 16           | 38             |
| D1105912 | 1.25           | 16           | 38             |
| D1105013 | 1.3            | 16           | 38             |
| D1105913 | 1.35           | 18           | 40             |
| D1105014 | 1.4            | 18           | 40             |
| D1105914 | 1.45           | 18           | 40             |
| D1105015 | 1.5            | 18           | 40             |
| D1105915 | 1.55           | 20           | 43             |
| D1105016 | 1.6            | 20           | 43             |
| D1105916 | 1.65           | 20           | 43             |
| D1105017 | 1.7            | 20           | 43             |
| D1105917 | 1.75           | 22           | 46             |
| D1105018 | 1.8            | 22           | 46             |
| D1105918 | 1.85           | 22           | 46             |
| D1105019 | 1.9            | 22           | 46             |

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105919 | 1.95           | 24           | 49             |
| D1105020 | 2.0            | 24           | 49             |
| D1105920 | 2.05           | 24           | 49             |
| D1105021 | 2.1            | 24           | 49             |
| D1105921 | 2.15           | 27           | 53             |
| D1105022 | 2.2            | 27           | 53             |
| D1105922 | 2.25           | 27           | 53             |
| D1105023 | 2.3            | 27           | 53             |
| D1105923 | 2.35           | 27           | 53             |
| D1105024 | 2.4            | 30           | 57             |
| D1105924 | 2.45           | 30           | 57             |
| D1105025 | 2.5            | 30           | 57             |
| D1105925 | 2.55           | 30           | 57             |
| D1105026 | 2.6            | 30           | 57             |
| D1105926 | 2.65           | 30           | 57             |
| D1105027 | 2.7            | 33           | 61             |
| D1105927 | 2.75           | 33           | 61             |
| D1105028 | 2.8            | 33           | 61             |
| D1105928 | 2.85           | 33           | 61             |
| D1105029 | 2.9            | 33           | 61             |
| D1105929 | 2.95           | 33           | 61             |
| D1105030 | 3.0            | 33           | 61             |
| D1105930 | 3.05           | 36           | 65             |
| D1105031 | 3.1            | 36           | 65             |
| D1105931 | 3.15           | 36           | 65             |
| D1105032 | 3.2            | 36           | 65             |

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⊙ : Excellent ○ : Good

[illegible]



# STRAIGHT SHANK DRILLS

**D1105** SERIES

## HSS, STRAIGHT SHANK TWIST DRILLS

**JOBBER**

● HSS, SPIRALBOHRER mit ZYLINDERSCHAFT

● Forets HSS, queue cylindrique, série courte

● PUNTE ELICOIDALI, GAMBO CILINDRICO, HSS

**KURZ**
**COURTE**
**CORTA**

► **Surface treatment:** Steam Tempered(Black Oxide Finish)

Bright Finish under 2mm

► **Application**

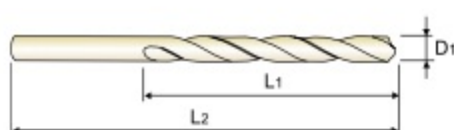
: Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

► **Oberflächenbehandlung:** Steam Homo(Schwarzoxidation)

Helle Beschaffenheit unter 2mm

► **Verwendung**

: Zum Bohren von Stahl und Stahlguß, Grauguß, Temperguß, Sphäroguß, Sinterisen, Graphite.


**DIN 338**
**HSS**
**20~30°**
**h8**
**118°**
**Vap**


p.A262



PlainShank

Page

© EROULETECH-LOCK D73-115

Unit : mm

| EDP No.  | Drill Diameter<br>D1 | Flute Length<br>L1 | Overall Length<br>L2 |
|----------|----------------------|--------------------|----------------------|
| D1105832 | 13.25                | 108                | 160                  |
| D1105135 | 13.5                 | 108                | 160                  |
| D1105837 | 13.75                | 108                | 160                  |
| D1105140 | 14.0                 | 108                | 160                  |
| D1105842 | 14.25                | 114                | 169                  |
| D1105145 | 14.5                 | 114                | 169                  |
| D1105847 | 14.75                | 114                | 169                  |
| D1105150 | 15.0                 | 114                | 169                  |
| D1105852 | 15.25                | 120                | 178                  |
| D1105155 | 15.5                 | 120                | 178                  |
| D1105857 | 15.75                | 120                | 178                  |
| D1105160 | 16.0                 | 120                | 178                  |
| D1105862 | 16.25                | 125                | 184                  |
| D1105165 | 16.5                 | 125                | 184                  |

| EDP No.  | Drill Diameter<br>D1 | Flute Length<br>L1 | Overall Length<br>L2 |
|----------|----------------------|--------------------|----------------------|
| D1105867 | 16.75                | 125                | 184                  |
| D1105170 | 17.0                 | 125                | 184                  |
| D1105872 | 17.25                | 130                | 191                  |
| D1105175 | 17.5                 | 130                | 191                  |
| D1105877 | 17.75                | 130                | 191                  |
| D1105180 | 18.0                 | 130                | 191                  |
| D1105882 | 18.25                | 135                | 198                  |
| D1105185 | 18.5                 | 135                | 198                  |
| D1105887 | 18.75                | 135                | 198                  |
| D1105190 | 19.0                 | 135                | 198                  |
| D1105892 | 19.25                | 140                | 205                  |
| D1105195 | 19.5                 | 140                | 205                  |
| D1105897 | 19.75                | 140                | 205                  |
| D1105200 | 20.0                 | 140                | 205                  |

◎ : Excellent ○ : Good

| ISO                  | P                      |     |                        |     |     |                                           |     |     |     |                                    | M   |                             |     |     | K              |        |                   |     |                     |     |                   |  |                    |  |
|----------------------|------------------------|-----|------------------------|-----|-----|-------------------------------------------|-----|-----|-----|------------------------------------|-----|-----------------------------|-----|-----|----------------|--------|-------------------|-----|---------------------|-----|-------------------|--|--------------------|--|
| Material Description | Non-alloy steel        |     |                        |     |     | Low alloy steel                           |     |     |     | High alloyed steel, and tool steel |     | Stainless steel             |     |     | Grey cast iron |        | Nodular cast iron |     | Malleable cast iron |     |                   |  |                    |  |
| VDI 3323             | 1                      | 2   | 3                      | 4   | 5   | 6                                         | 7   | 8   | 9   | 10                                 | 11  | 12                          | 13  | 14  | 15             | 16     | 17                | 18  | 19                  | 20  |                   |  |                    |  |
| HRc                  |                        |     |                        |     |     |                                           |     |     |     |                                    |     |                             |     |     |                |        |                   |     |                     |     |                   |  |                    |  |
| HB                   | 125                    | 190 | 250                    | 270 | 300 | 180                                       | 275 | 300 | 350 | 200                                | 325 | 200                         | 240 | 180 | 180            | 260    | 160               | 250 | 130                 | 230 |                   |  |                    |  |
| Recommended          | ◎                      | ◎   | ◎                      | ○   |     | ◎                                         | ○   | ○   |     | ○                                  |     | ○                           | ○   | ○   | ○              | ○      | ○                 | ○   | ○                   |     |                   |  |                    |  |
| ISO                  | N                      |     |                        |     |     |                                           |     |     |     |                                    | S   |                             |     |     |                |        |                   | H   |                     |     |                   |  |                    |  |
| Material Description | Aluminum-wrought alloy |     | Aluminum-cast, alloyed |     |     | Copper and Copper Alloys (Bronze / Brass) |     |     |     | Non Metallic Materials             |     | Heat Resistant Super Alloys |     |     |                |        | Titanium Alloys   |     | Hardened steel      |     | Chilled Cast Iron |  | Hardened Cast Iron |  |
| VDI 3323             | 21                     | 22  | 23                     | 24  | 25  | 26                                        | 27  | 28  | 29  | 30                                 | 31  | 32                          | 33  | 34  | 35             | 36     | 37                | 38  | 39                  | 40  | 41                |  |                    |  |
| HRc                  |                        |     |                        |     |     |                                           |     |     |     |                                    | 15  | 30                          | 25  | 38  | 34             |        |                   | 55  | 60                  | 42  | 55                |  |                    |  |
| HB                   | 60                     | 100 | 75                     | 90  | 130 | 110                                       | 90  | 100 |     |                                    | 200 | 280                         | 250 | 350 | 320            | 400 Rm | 1050 Rm           | 550 | 630                 | 400 | 550               |  |                    |  |
| Recommended          | ○                      | ○   | ○                      |     |     |                                           |     |     | ○   |                                    |     |                             |     |     |                | ○      |                   |     |                     |     |                   |  |                    |  |

## HSS, STRAIGHT SHANK TWIST DRILLS

 **HSS, SPIRALBOHRER mit ZYLINDERSCHAFT**  
 **Forets HSS, queue cylindrique, série courte**  
 **PUNTE ELICOIDALI. GAMBO CILINDRICO. HSS**

**JOBBER**

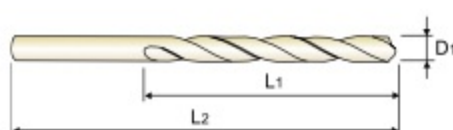
KURZ  
COURTE  
CORTA

► **Surface treatment**: Steam Tempered(Black Oxide Finish)  
Bright Finish under 2mm

► **Application** : Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

► **Oberflächenbehandlung** : Steam Homo (Schwarzoxidation)  
Helle Beschaffenheit unter 2mm

► **Verwendung** : Zum Bohren von Stahl und Stahlguß,  
Grauguß, Temperguß, Sphäroguß,  
Sinter Eisen, Graphite.



DIN 338 HSS N 20~30° h8 118° Vap p.A262

|                                                                                                                         |                                                                                                          |         |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------|
| <br><b>Recommended<br/>Toolholder</b> | PlainShank                                                                                               | Page    |
|                                                                                                                         |  <b>ERCOLLETCHUCK</b> | D73-115 |

Unit : mm

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105958 | 5.85           | 57           | 93             |
| D1105059 | 5.9            | 57           | 93             |
| D1105959 | 5.95           | 57           | 93             |
| D1105060 | 6.0            | 57           | 93             |
| D1105960 | 6.05           | 63           | 101            |
| D1105061 | 6.1            | 63           | 101            |
| D1105961 | 6.15           | 63           | 101            |
| D1105062 | 6.2            | 63           | 101            |
| D1105962 | 6.25           | 63           | 101            |
| D1105063 | 6.3            | 63           | 101            |
| D1105963 | 6.35           | 63           | 101            |
| D1105064 | 6.4            | 63           | 101            |
| D1105964 | 6.45           | 63           | 101            |
| D1105065 | 6.5            | 63           | 101            |
| D1105965 | 6.55           | 63           | 101            |
| D1105066 | 6.6            | 63           | 101            |
| D1105966 | 6.65           | 63           | 101            |
| D1105067 | 6.7            | 63           | 101            |
| D1105967 | 6.75           | 69           | 109            |
| D1105068 | 6.8            | 69           | 109            |
| D1105968 | 6.85           | 69           | 109            |
| D1105069 | 6.9            | 69           | 109            |
| D1105969 | 6.95           | 69           | 109            |
| D1105070 | 7.0            | 69           | 109            |
| D1105970 | 7.05           | 69           | 109            |
| D1105071 | 7.1            | 69           | 109            |

| EDP No.  | Drill Diameter | Flute Length | Overall Length |
|----------|----------------|--------------|----------------|
|          | D1             | L1           | L2             |
| D1105971 | 7.15           | 69           | 109            |
| D1105072 | 7.2            | 69           | 109            |
| D1105972 | 7.25           | 69           | 109            |
| D1105073 | 7.3            | 69           | 109            |
| D1105973 | 7.35           | 69           | 109            |
| D1105074 | 7.4            | 69           | 109            |
| D1105974 | 7.45           | 69           | 109            |
| D1105075 | 7.5            | 69           | 109            |
| D1105975 | 7.55           | 75           | 117            |
| D1105076 | 7.6            | 75           | 117            |
| D1105976 | 7.65           | 75           | 117            |
| D1105077 | 7.7            | 75           | 117            |
| D1105977 | 7.75           | 75           | 117            |
| D1105078 | 7.8            | 75           | 117            |
| D1105978 | 7.85           | 75           | 117            |
| D1105079 | 7.9            | 75           | 117            |
| D1105979 | 7.95           | 75           | 117            |
| D1105080 | 8.0            | 75           | 117            |
| D1105081 | 8.1            | 75           | 117            |
| D1105082 | 8.2            | 75           | 117            |
| D1105982 | 8.25           | 75           | 117            |
| D1105083 | 8.3            | 75           | 117            |
| D1105084 | 8.4            | 75           | 117            |
| D1105085 | 8.5            | 75           | 117            |
| D1105086 | 8.6            | 81           | 125            |
| D1105087 | 8.7            | 81           | 125            |

' NEXT PAGE

⊙ : Excellent ◯ : Good

[illegible]