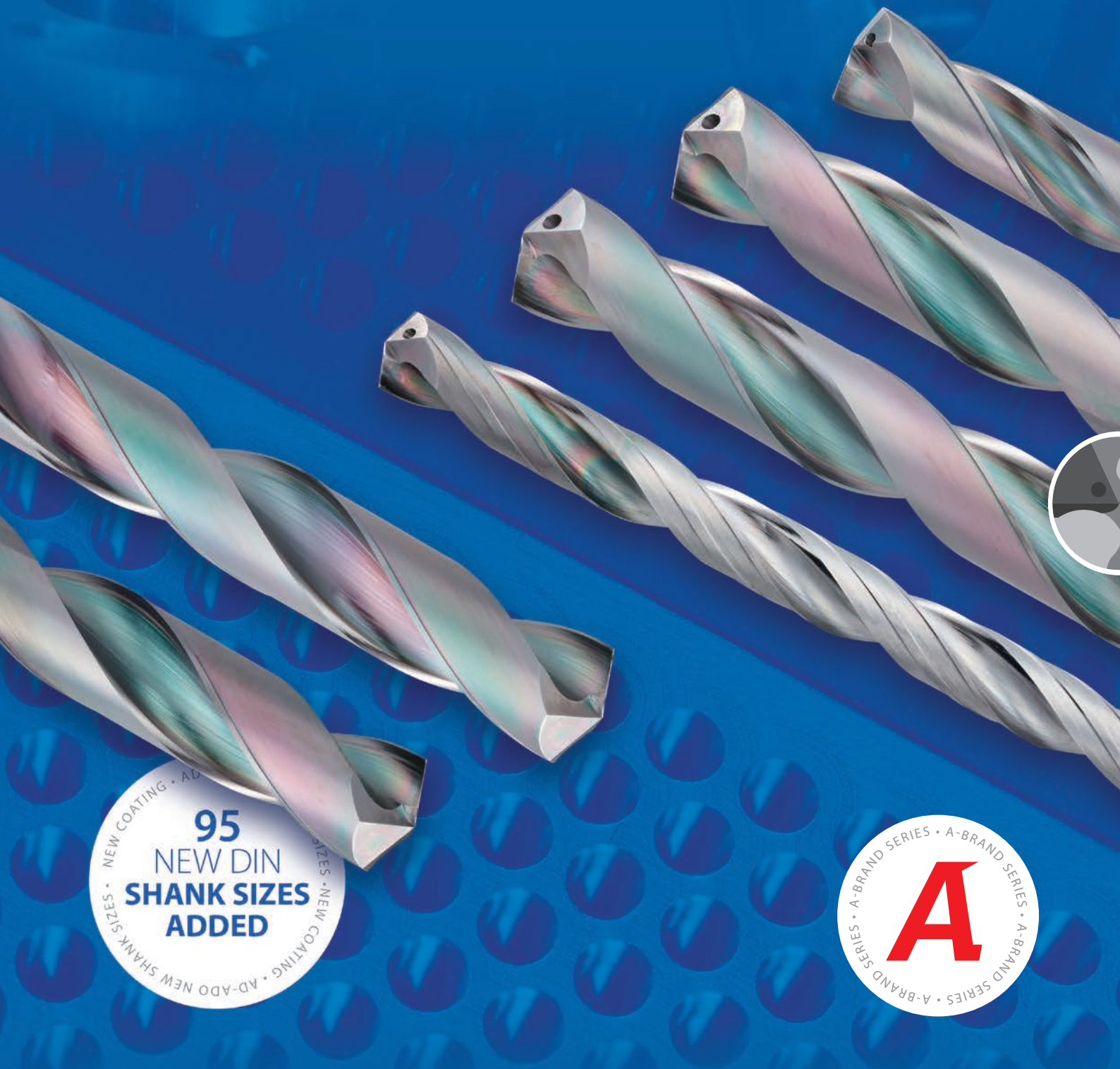
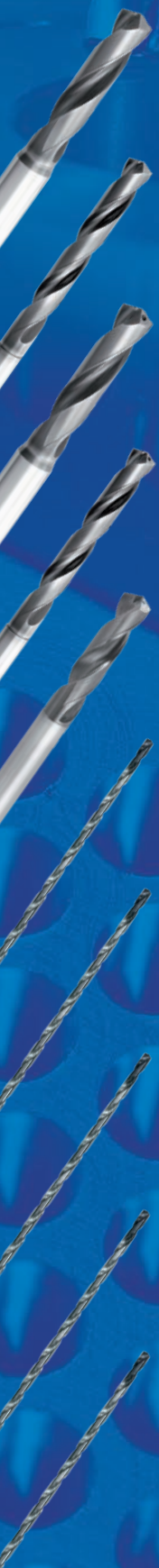
New carbide drill series

# AD & ADO SERIES

Volume 6



# INDEX




AD-2D ..... PAGE 9-10

AD-4D ..... PAGE 11-12

ADO-3D ..... PAGE 13-14

ADO-5D ..... PAGE 15-17

ADO-PLT ..... PAGE 18

ADO-10D ..... PAGE 19-20

ADO-15D ..... PAGE 21-22

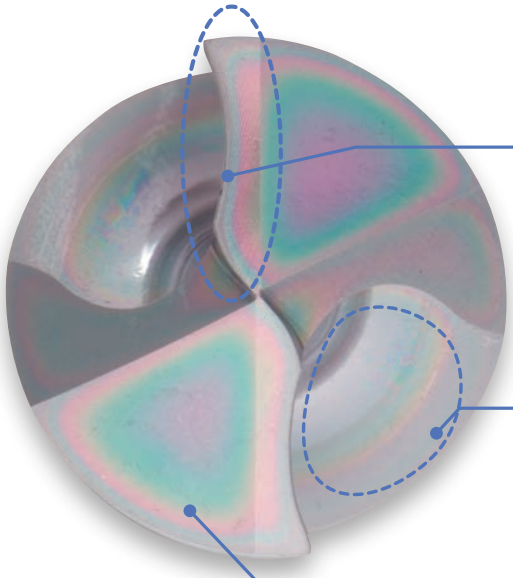
ADO-20D ..... PAGE 23-24

ADO-25D ..... PAGE 25

ADO-30D ..... PAGE 26

CUTTING CONDITIONS ..... PAGE 27

# CARBIDE DRILL (WITHOUT OIL HOLE)



1 Wavy point form breaks chip into small manageable pieces

2 Wide flute room facilitates stable chip evacuation

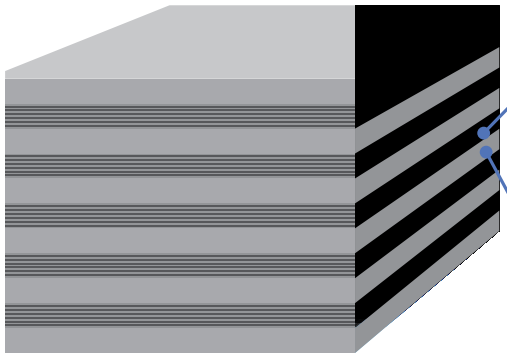
3 EgiAs coating enables long tool life

## EgiAs Coating

### EgiAs coating with high toughness and wear resistance characteristics

Constructed with extreme toughness, high wear and heat resistance characteristics to ensure stable and consistent tool life. See figure 1.

EgiAs



1 Wear Resistance

2 Periodic Nano-Layered Coating

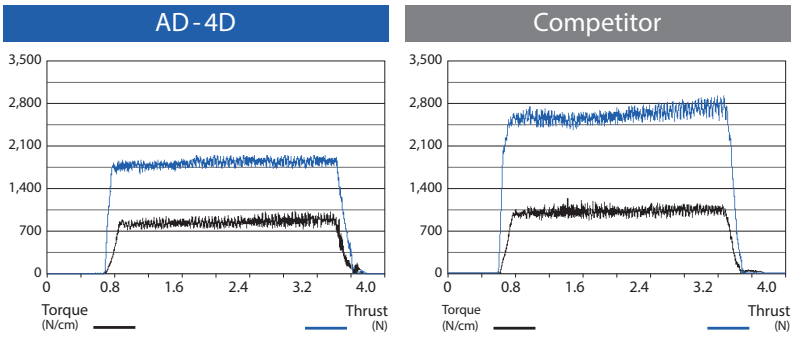
Figure 1. Coating structure

| Coating Color | Coating Structure | (Hv) Hardness | (c°) Oxidation | Heat Resistance | Adhesion Strength | Wear Resistance | Welding Resistance | Toughness |
|---|---|---|---|---|---|---|---|---|
| Interference Color | Periodic Nano-layered and wear resistance layer | 3.200 | 1.100 | ◎ | ◎ | ◎ | ◎ | ◎ |

EgiAs is a registered trademark of OSG Corporation.

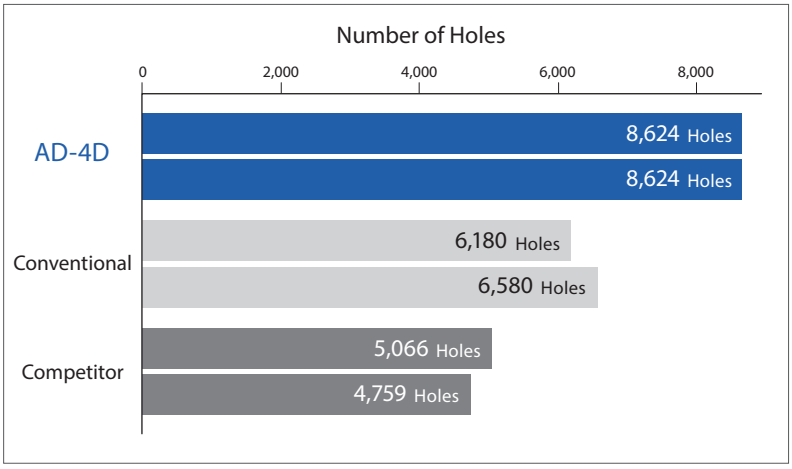
## Low thrust resistance and stable torque are possible by the new wavy point form and low web thickness

| | |
|---|---|
| **Tool** | AD-4D Ø10 |
| **Work Material** | SCM440 |
| **Cutting Speed** | 70m/min (2.229 $min^{-1}$) |
| **Feed Rate** | 668 mm/min (0,3 mm/rev) |
| **Depth of Hole** | 30 mm (Blind) |
| **Coolant** | Water Soluble (external) |
| **Machine** | Vertical Machining Center |

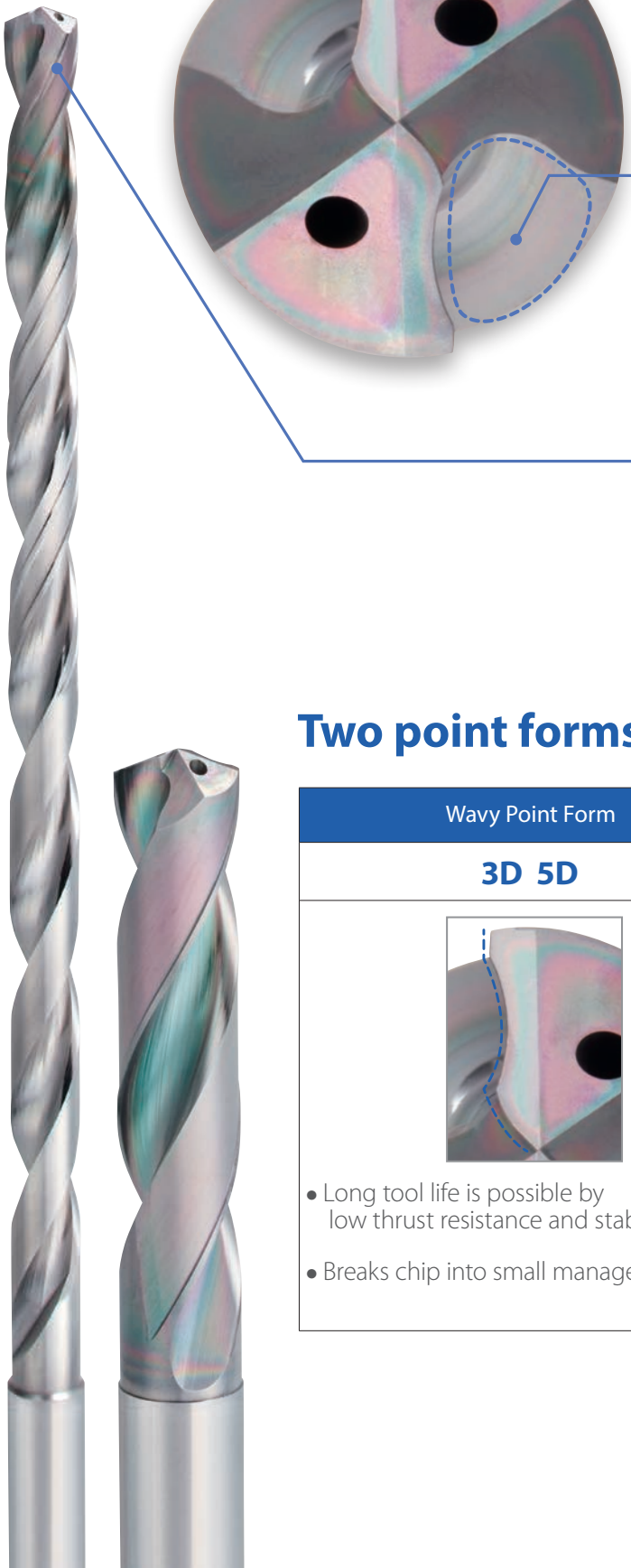



## Superior protection against friction with OSG's EgiAs coating

| | |
|---|---|
| **Tool** | AD-4D Ø6 |
| **Work Material** | SCM440 (30HRC) |
| **Cutting Speed** | 70m/min (3.715 $min^{-1}$) |
| **Feed Rate** | 668 mm/min (0,18 mm/rev) |
| **Depth of Hole** | 18 mm (Blind) |
| **Coolant** | Water Soluble (external) |
| **Machine** | Vertical Machining Center |



## Optimum specifications for every drilling depth



1 EgiAs coating enables long tool life

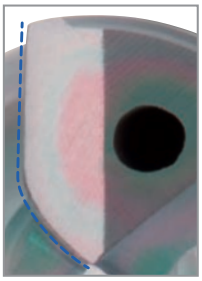
2 Wide flute room facilitates stable chip evacuation

**3D 5D**

3 M (Middle) margin improves stability in deep-hole applications

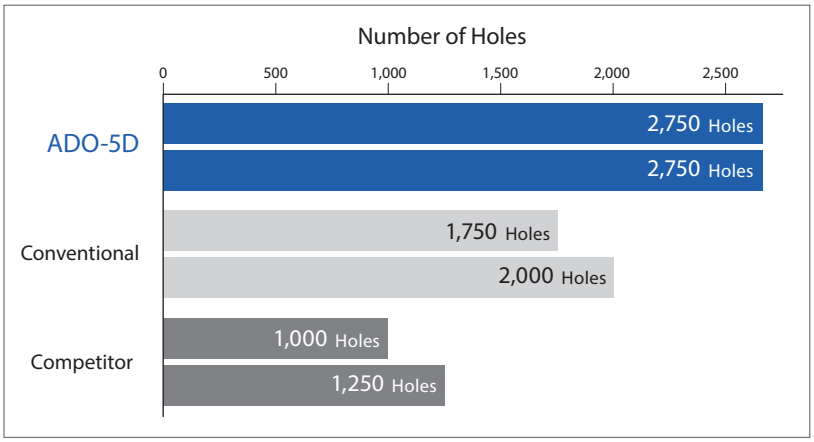
**10D 15D 20D 25D 30D**

## Two point forms based on length

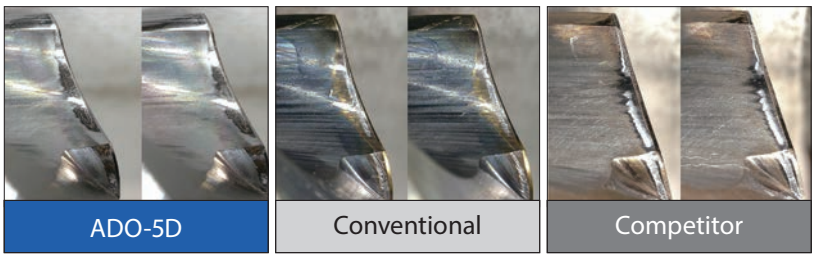
| Wavy Point Form | Straight Point Form |
|---|---|
| **3D 5D** | **10D 15D 20D 25D 30D** |
|  |  |
| • Long tool life is possible by low thrust resistance and stable torque<br>• Breaks chip into small manageable pieces | Superior point strength with low cutting force are achieved even for long drills with long overhang length |

# Superior protection against friction with OSG's EgiAs coating

| | |
|---|---|
| **Tool** | ADO-5D Ø10 |
| **Work Material** | S50C |
| **Cutting Speed** | 100m/min (3.185 $min^{-1}$) |
| **Feed Rate** | 796 mm/min (0,25 mm/rev) |
| **Depth of Hole** | 50 mm (Blind) |
| **Coolant** | Water Soluble (internal) |
| **Machine** | Horizontal Machining Center |

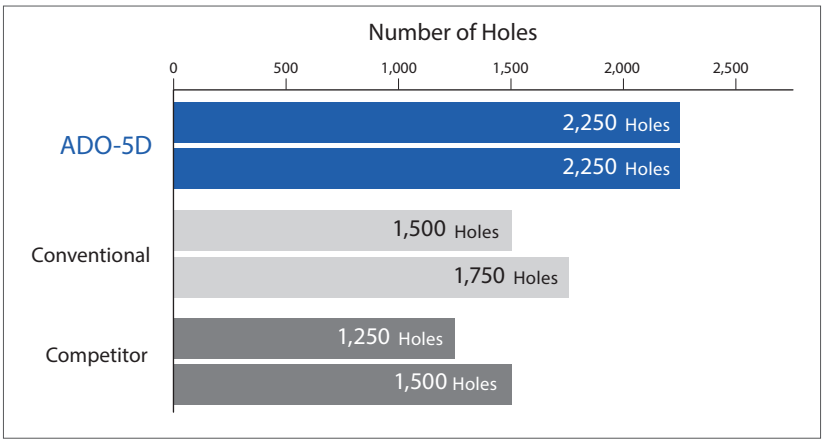



After drilling 500 holes

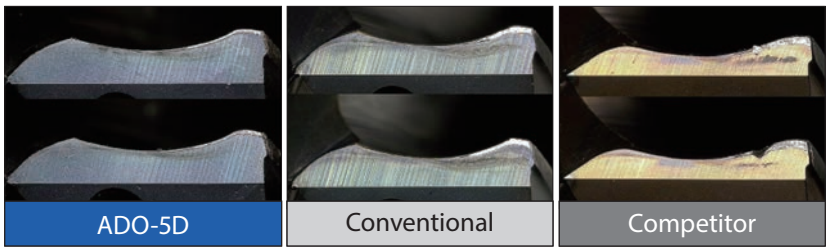


# Improved machining performance in alloy steel

| | |
|---|---|
| **Tool** | ADO-5D Ø10 |
| **Work Material** | SCM440 (30HRC) |
| **Cutting Speed** | 75m/min (2.389 $min^{-1}$) |
| **Feed Rate** | 597 mm/min (0,25 mm/rev) |
| **Depth of Hole** | 50 mm (Blind) |
| **Coolant** | Water Soluble (internal) |
| **Machine** | Horizontal Machining Center |

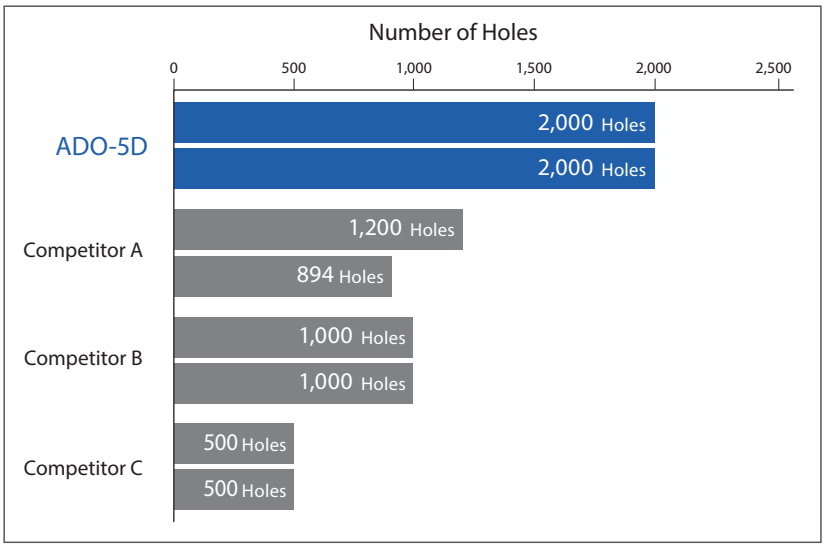



After drilling 1.250 holes



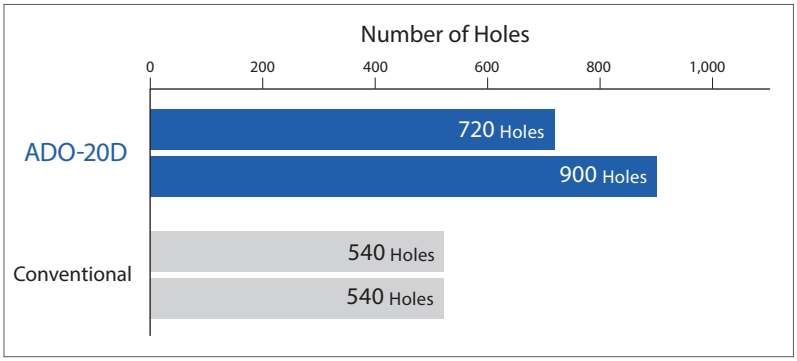

# Long tool life can be achieved even at high feed rate with OSG's EgiAs coating

| | | |
|---|---|---|
| **Tool** | ADO-5D Ø10 | Competitor Ø10 |
| **Work Material** | S50C | |
| **Cutting Speed** | 160m/min (5,096$min^{-1}$) | 100m/min (3,185$min^{-1}$) |
| **Feed Rate** | 1,273mm/ min | 796mm/min (0.25mm/rev) |
| **Depth of Hole** | 50 mm (Blind) | |
| **Coolant** | Water Soluble (internal) | |
| **Machine** | Horizontal Machining Center | |

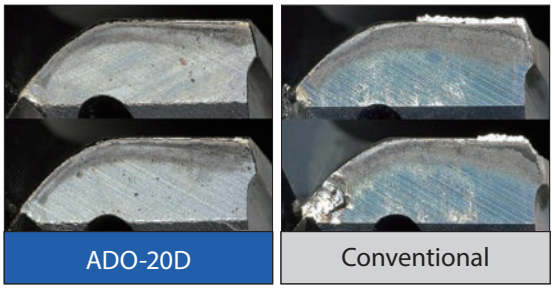


# Greater efficiency even in deep-hole applications

| | |
|---|---|
| **Tool** | ADO-20D Ø6 |
| **Work Material** | SCM440 (30HRC) |
| **Cutting Speed** | 60m/min (3.185 min$^{-1}$) |
| **Feed Rate** | 573 mm/min (0,18 mm/rev) |
| **Depth of Hole** | 120 mm (Blind) |
| **Coolant** | Water Soluble (internal) |
| **Machine** | Horizontal Machining Center |



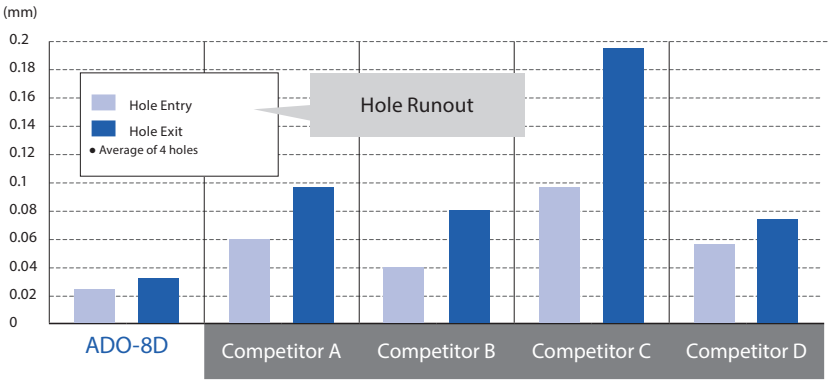

After drilling 540 holes




# The most suitable specifications based on drilling depth have been adopted

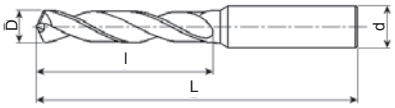
Improved hole accuracy can be achieved with the M margin and hook teeth geometry

| | |
|---|---|
| **Tool** | ADO-8D Ø10 |
| **Work Material** | S50C |
| **Cutting Speed** | 100m/min (3.185 min$^{-1}$) |
| **Feed Rate** | 956 mm/min (0,3 mm/rev) |
| **Depth of Hole** | 80 mm (Through) |
| **Coolant** | Water Soluble (internal) |
| **Machine** | Vertical Machining Center |



# AD-2D

**Drilling | Solid carbide | 2xD**




- First choice in quality and performance
- Carbide drill with EgiAs coating
- Up to 2xD
- For general purpose steels and cast iron
- 160 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | K GG | K GGG | H 25-35 HRC | H 35-45 HRC | H 45-52 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

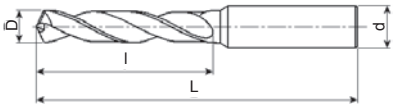
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8670200 | 2 | 62 | 14 | 4 | |
| 8670210 | 2,1 | 62 | 14 | 4 | |
| 8670220 | 2,2 | 62 | 14 | 4 | |
| 8670230 | 2,3 | 62 | 14 | 4 | |
| 8670240 | 2,4 | 62 | 14 | 4 | |
| 8670250 | 2,5 | 62 | 14 | 4 | |
| 8670260 | 2,6 | 62 | 14 | 4 | |
| 8670270 | 2,7 | 62 | 14 | 4 | |
| 8670276 | 2,76 | 62 | 14 | 4 | |
| 8670278 | 2,78 | 62 | 14 | 4 | |
| 8670280 | 2,8 | 62 | 14 | 4 | |
| 8670290 | 2,9 | 62 | 14 | 4 | |
| 8670300 | 3 | 66 | 20 | 4 | |
| 8670310 | 3,1 | 66 | 20 | 4 | |
| 8670320 | 3,2 | 66 | 20 | 4 | |
| 8670330 | 3,3 | 66 | 20 | 4 | |
| 8670340 | 3,4 | 66 | 20 | 4 | |
| 8670350 | 3,5 | 66 | 20 | 4 | |
| 8670360 | 3,6 | 66 | 20 | 4 | |
| 8670366 | 3,66 | 66 | 20 | 4 | |
| 8670368 | 3,68 | 66 | 20 | 4 | |
| 8670370 | 3,7 | 66 | 20 | 4 | |
| 8670380 | 3,8 | 66 | 24 | 4 | |
| 8670390 | 3,9 | 66 | 24 | 4 | |
| 8670400 | 4 | 66 | 24 | 4 | |
| 8670410 | 4,1 | 66 | 24 | 6 | |
| 8670420 | 4,2 | 66 | 24 | 6 | |
| 8670430 | 4,3 | 66 | 24 | 6 | |
| 8670440 | 4,4 | 66 | 24 | 6 | |
| 8670450 | 4,5 | 66 | 24 | 6 | |
| 8670460 | 4,6 | 66 | 24 | 6 | |
| 8670462 | 4,62 | 66 | 24 | 6 | |
| 8670464 | 4,64 | 66 | 24 | 6 | |
| 8670470 | 4,7 | 66 | 24 | 6 | |
| 8670480 | 4,8 | 66 | 28 | 6 | |
| 8670490 | 4,9 | 66 | 28 | 6 | |
| 8670500 | 5 | 66 | 28 | 6 | |
| 8670510 | 5,1 | 66 | 28 | 6 | |
| 8670520 | 5,2 | 66 | 28 | 6 | |
| 8670530 | 5,3 | 66 | 28 | 6 | |
| 8670540 | 5,4 | 66 | 28 | 6 | |
| 8670550 | 5,5 | 66 | 28 | 6 | |
| 8670552 | 5,52 | 66 | 28 | 6 | |
| 8670554 | 5,54 | 66 | 28 | 6 | |
| 8670560 | 5,6 | 66 | 28 | 6 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8670570 | 5,7 | 66 | 28 | 6 | |
| 8670580 | 5,8 | 66 | 28 | 6 | |
| 8670590 | 5,9 | 66 | 28 | 6 | |
| 8670600 | 6 | 66 | 28 | 6 | |
| 8670610 | 6,1 | 79 | 34 | 8 | |
| 8670620 | 6,2 | 79 | 34 | 8 | |
| 8670630 | 6,3 | 79 | 34 | 8 | |
| 8670640 | 6,4 | 79 | 34 | 8 | |
| 8670650 | 6,5 | 79 | 34 | 8 | |
| 8670660 | 6,6 | 79 | 34 | 8 | |
| 8670670 | 6,7 | 79 | 34 | 8 | |
| 8670680 | 6,8 | 79 | 34 | 8 | |
| 8670690 | 6,9 | 79 | 34 | 8 | |
| 8670700 | 7 | 79 | 34 | 8 | |
| 8670710 | 7,1 | 79 | 41 | 8 | |
| 8670720 | 7,2 | 79 | 41 | 8 | |
| 8670730 | 7,3 | 79 | 41 | 8 | |
| 8670736 | 7,36 | 79 | 41 | 8 | |
| 8670738 | 7,38 | 79 | 41 | 8 | |
| 8670740 | 7,4 | 79 | 41 | 8 | |
| 8670750 | 7,5 | 79 | 41 | 8 | |
| 8670754 | 7,54 | 79 | 41 | 8 | |
| 8670760 | 7,6 | 79 | 41 | 8 | |
| 8670770 | 7,7 | 79 | 41 | 8 | |
| 8670780 | 7,8 | 79 | 41 | 8 | |
| 8670790 | 7,9 | 79 | 41 | 8 | |
| 8670800 | 8 | 79 | 41 | 8 | |
| 8670810 | 8,1 | 89 | 47 | 10 | |
| 8670820 | 8,2 | 89 | 47 | 10 | |
| 8670830 | 8,3 | 89 | 47 | 10 | |
| 8670840 | 8,4 | 89 | 47 | 10 | |
| 8670850 | 8,5 | 89 | 47 | 10 | |
| 8670860 | 8,6 | 89 | 47 | 10 | |
| 8670870 | 8,7 | 89 | 47 | 10 | |
| 8670880 | 8,8 | 89 | 47 | 10 | |
| 8670890 | 8,9 | 89 | 47 | 10 | |
| 8670900 | 9 | 89 | 47 | 10 | |
| 8670910 | 9,1 | 89 | 47 | 10 | |
| 8670920 | 9,2 | 89 | 47 | 10 | |
| 8670930 | 9,3 | 89 | 47 | 10 | |
| 8670940 | 9,4 | 89 | 47 | 10 | |
| 8670950 | 9,5 | 89 | 47 | 10 | |
| 8670960 | 9,6 | 89 | 47 | 10 | |
| 8670970 | 9,7 | 89 | 47 | 10 | |
| 8670980 | 9,8 | 89 | 47 | 10 | |

# AD-2D

**Drilling | Solid carbide | 2xD**




- First choice in quality and performance
- Carbide drill with EgiAs coating
- Up to 2xD
- For general purpose steels and cast iron
- 160 sizes

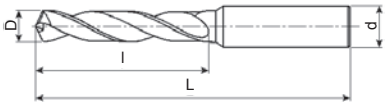
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8670990 | 9,9 | 89 | 47 | 10 | |
| 8671000 | 10 | 89 | 47 | 10 | |
| 8671010 | 10,1 | 102 | 55 | 12 | |
| 8671020 | 10,2 | 102 | 55 | 12 | |
| 8671030 | 10,3 | 102 | 55 | 12 | |
| 8671040 | 10,4 | 102 | 55 | 12 | |
| 8671050 | 10,5 | 102 | 55 | 12 | |
| 8671060 | 10,6 | 102 | 55 | 12 | |
| 8671070 | 10,7 | 102 | 55 | 12 | |
| 8671080 | 10,8 | 102 | 55 | 12 | |
| 8671090 | 10,9 | 102 | 55 | 12 | |
| 8671100 | 11 | 102 | 55 | 12 | |
| 8671110 | 11,1 | 102 | 55 | 12 | |
| 8671120 | 11,2 | 102 | 55 | 12 | |
| 8671130 | 11,3 | 102 | 55 | 12 | |
| 8671140 | 11,4 | 102 | 55 | 12 | |
| 8671150 | 11,5 | 102 | 55 | 12 | |
| 8671160 | 11,6 | 102 | 55 | 12 | |
| 8671170 | 11,7 | 102 | 55 | 12 | |
| 8671180 | 11,8 | 102 | 55 | 12 | |
| 8671190 | 11,9 | 102 | 55 | 12 | |
| 8671200 | 12 | 102 | 55 | 12 | |
| 8671210 | 12,1 | 107 | 60 | 14 | |
| 8671220 | 12,2 | 107 | 60 | 14 | |
| 8671230 | 12,3 | 107 | 60 | 14 | |
| 8671240 | 12,4 | 107 | 60 | 14 | |
| 8671250 | 12,5 | 107 | 60 | 14 | |
| 8671260 | 12,6 | 107 | 60 | 14 | |
| 8671270 | 12,7 | 107 | 60 | 14 | |
| 8671280 | 12,8 | 107 | 60 | 14 | |
| 8671290 | 12,9 | 107 | 60 | 14 | |
| 8671300 | 13 | 107 | 60 | 14 | |
| 8671310 | 13,1 | 107 | 60 | 14 | |
| 8671320 | 13,2 | 107 | 60 | 14 | |
| 8671330 | 13,3 | 107 | 60 | 14 | |
| 8671340 | 13,4 | 107 | 60 | 14 | |
| 8671350 | 13,5 | 107 | 60 | 14 | |
| 8671360 | 13,6 | 107 | 60 | 14 | |
| 8671370 | 13,7 | 107 | 60 | 14 | |
| 8671380 | 13,8 | 107 | 60 | 14 | |
| 8671390 | 13,9 | 107 | 60 | 14 | |
| 8671400 | 14 | 107 | 60 | 14 | |
| 8671410 | 14,1 | 115 | 65 | 16 | |
| 8671420 | 14,2 | 115 | 65 | 16 | |
| 8671430 | 14,3 | 115 | 65 | 16 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8671440 | 14,4 | 115 | 65 | 16 | |
| 8671450 | 14,5 | 115 | 65 | 16 | |
| 8671460 | 14,6 | 115 | 65 | 16 | |
| 8671470 | 14,7 | 115 | 65 | 16 | |
| 8671480 | 14,8 | 115 | 65 | 16 | |
| 8671490 | 14,9 | 115 | 65 | 16 | |
| 8671500 | 15 | 115 | 65 | 16 | |
| 8671510 | 15,1 | 115 | 65 | 16 | |
| 8671520 | 15,2 | 115 | 65 | 16 | |
| 8671530 | 15,3 | 115 | 65 | 16 | |
| 8671540 | 15,4 | 115 | 65 | 16 | |
| 8671550 | 15,5 | 115 | 65 | 16 | |
| 8671560 | 15,6 | 115 | 65 | 16 | |
| 8671570 | 15,7 | 115 | 65 | 16 | |
| 8671580 | 15,8 | 115 | 65 | 16 | |
| 8671590 | 15,9 | 115 | 65 | 16 | |
| 8671600 | 16 | 115 | 65 | 16 | |
| 8671650 | 16,5 | 123 | 73 | 18 | |
| 8671700 | 17 | 123 | 73 | 18 | |
| 8671750 | 17,5 | 123 | 73 | 18 | |
| 8671800 | 18 | 123 | 73 | 18 | |
| 8671850 | 18,5 | 131 | 79 | 20 | |
| 8671900 | 19 | 131 | 79 | 20 | |
| 8671950 | 19,5 | 131 | 79 | 20 | |
| 8672000 | 20 | 131 | 79 | 20 | |

# AD-4D

**Drilling | Solid carbide | 4xD**




- First choice in quality and performance
- Carbide drill with EgiAs coating
- Up to 4xD
- For general purpose steels and cast iron
- 149 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | K GG | K GGG | H 25-35 HRC | H 35-45 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

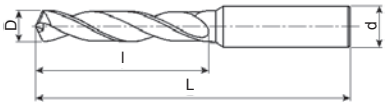
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8672200 | 2 | 66 | 20 | 4 | |
| 8672210 | 2,1 | 66 | 20 | 4 | |
| 8672220 | 2,2 | 66 | 20 | 4 | |
| 8672230 | 2,3 | 66 | 20 | 4 | |
| 8672240 | 2,4 | 66 | 20 | 4 | |
| 8672250 | 2,5 | 66 | 20 | 4 | |
| 8672260 | 2,6 | 66 | 20 | 4 | |
| 8672270 | 2,7 | 66 | 20 | 4 | |
| 8672280 | 2,8 | 66 | 20 | 4 | |
| 8672290 | 2,9 | 66 | 20 | 4 | |
| 8672300 | 3 | 74 | 28 | 4 | |
| 8672310 | 3,1 | 74 | 28 | 4 | |
| 8672320 | 3,2 | 74 | 28 | 4 | |
| 8672330 | 3,3 | 74 | 28 | 4 | |
| 8672340 | 3,4 | 74 | 28 | 4 | |
| 8672350 | 3,5 | 74 | 28 | 4 | |
| 8672360 | 3,6 | 74 | 28 | 4 | |
| 8672370 | 3,7 | 74 | 28 | 4 | |
| 8672380 | 3,8 | 74 | 36 | 4 | |
| 8672390 | 3,9 | 74 | 36 | 4 | |
| 8672400 | 4 | 74 | 36 | 4 | |
| 8672410 | 4,1 | 74 | 36 | 6 | |
| 8672420 | 4,2 | 74 | 36 | 6 | |
| 8672430 | 4,3 | 74 | 36 | 6 | |
| 8672440 | 4,4 | 74 | 36 | 6 | |
| 8672450 | 4,5 | 74 | 36 | 6 | |
| 8672460 | 4,6 | 74 | 36 | 6 | |
| 8672470 | 4,7 | 74 | 36 | 6 | |
| 8672480 | 4,8 | 82 | 44 | 6 | |
| 8672490 | 4,9 | 82 | 44 | 6 | |
| 8672500 | 5 | 82 | 44 | 6 | |
| 8672510 | 5,1 | 82 | 44 | 6 | |
| 8672520 | 5,2 | 82 | 44 | 6 | |
| 8672530 | 5,3 | 82 | 44 | 6 | |
| 8672540 | 5,4 | 82 | 44 | 6 | |
| 8672550 | 5,5 | 82 | 44 | 6 | |
| 8672560 | 5,6 | 82 | 44 | 6 | |
| 8672570 | 5,7 | 82 | 44 | 6 | |
| 8672580 | 5,8 | 82 | 44 | 6 | |
| 8672590 | 5,9 | 82 | 44 | 6 | |
| 8672600 | 6 | 82 | 44 | 6 | |
| 8672610 | 6,1 | 91 | 53 | 8 | |
| 8672620 | 6,2 | 91 | 53 | 8 | |
| 8672630 | 6,3 | 91 | 53 | 8 | |
| 8672640 | 6,4 | 91 | 53 | 8 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8672650 | 6,5 | 91 | 53 | 8 | |
| 8672660 | 6,6 | 91 | 53 | 8 | |
| 8672670 | 6,7 | 91 | 53 | 8 | |
| 8672680 | 6,8 | 91 | 53 | 8 | |
| 8672690 | 6,9 | 91 | 53 | 8 | |
| 8672700 | 7 | 91 | 53 | 8 | |
| 8672710 | 7,1 | 91 | 53 | 8 | |
| 8672720 | 7,2 | 91 | 53 | 8 | |
| 8672730 | 7,3 | 91 | 53 | 8 | |
| 8672740 | 7,4 | 91 | 53 | 8 | |
| 8672750 | 7,5 | 91 | 53 | 8 | |
| 8672760 | 7,6 | 91 | 53 | 8 | |
| 8672770 | 7,7 | 91 | 53 | 8 | |
| 8672780 | 7,8 | 91 | 53 | 8 | |
| 8672790 | 7,9 | 91 | 53 | 8 | |
| 8672800 | 8 | 91 | 53 | 8 | |
| 8672810 | 8,1 | 103 | 61 | 10 | |
| 8672820 | 8,2 | 103 | 61 | 10 | |
| 8672830 | 8,3 | 103 | 61 | 10 | |
| 8672840 | 8,4 | 103 | 61 | 10 | |
| 8672850 | 8,5 | 103 | 61 | 10 | |
| 8672860 | 8,6 | 103 | 61 | 10 | |
| 8672870 | 8,7 | 103 | 61 | 10 | |
| 8672880 | 8,8 | 103 | 61 | 10 | |
| 8672890 | 8,9 | 103 | 61 | 10 | |
| 8672900 | 9 | 103 | 61 | 10 | |
| 8672910 | 9,1 | 103 | 61 | 10 | |
| 8672920 | 9,2 | 103 | 61 | 10 | |
| 8672930 | 9,3 | 103 | 61 | 10 | |
| 8672940 | 9,4 | 103 | 61 | 10 | |
| 8672950 | 9,5 | 103 | 61 | 10 | |
| 8672960 | 9,6 | 103 | 61 | 10 | |
| 8672970 | 9,7 | 103 | 61 | 10 | |
| 8672980 | 9,8 | 103 | 61 | 10 | |
| 8672990 | 9,9 | 103 | 61 | 10 | |
| 8673000 | 10 | 103 | 61 | 10 | |
| 8673010 | 10,1 | 118 | 71 | 12 | |
| 8673020 | 10,2 | 118 | 71 | 12 | |
| 8673030 | 10,3 | 118 | 71 | 12 | |
| 8673040 | 10,4 | 118 | 71 | 12 | |
| 8673050 | 10,5 | 118 | 71 | 12 | |
| 8673060 | 10,6 | 118 | 71 | 12 | |
| 8673070 | 10,7 | 118 | 71 | 12 | |
| 8673080 | 10,8 | 118 | 71 | 12 | |
| 8673090 | 10,9 | 118 | 71 | 12 | |

# AD-4D

**Drilling | Solid carbide | 4xD**




- First choice in quality and performance
- Carbide drill with EgiAs coating
- Up to 4xD
- For general purpose steels and cast iron
- 149 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | K GG | K GGG | H 25-35 HRC | H 35-45 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

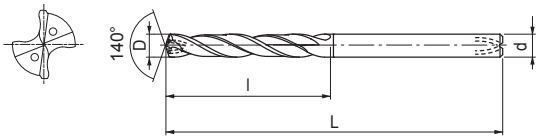
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8673100 | 11 | 118 | 71 | 12 | |
| 8673110 | 11,1 | 118 | 71 | 12 | |
| 8673120 | 11,2 | 118 | 71 | 12 | |
| 8673130 | 11,3 | 118 | 71 | 12 | |
| 8673140 | 11,4 | 118 | 71 | 12 | |
| 8673150 | 11,5 | 118 | 71 | 12 | |
| 8673160 | 11,6 | 118 | 71 | 12 | |
| 8673170 | 11,7 | 118 | 71 | 12 | |
| 8673180 | 11,8 | 118 | 71 | 12 | |
| 8673190 | 11,9 | 118 | 71 | 12 | |
| 8673200 | 12 | 118 | 71 | 12 | |
| 8673210 | 12,1 | 124 | 77 | 14 | |
| 8673220 | 12,2 | 124 | 77 | 14 | |
| 8673230 | 12,3 | 124 | 77 | 14 | |
| 8673240 | 12,4 | 124 | 77 | 14 | |
| 8673250 | 12,5 | 124 | 77 | 14 | |
| 8673260 | 12,6 | 124 | 77 | 14 | |
| 8673270 | 12,7 | 124 | 77 | 14 | |
| 8673280 | 12,8 | 124 | 77 | 14 | |
| 8673290 | 12,9 | 124 | 77 | 14 | |
| 8673300 | 13 | 124 | 77 | 14 | |
| 8673310 | 13,1 | 124 | 77 | 14 | |
| 8673320 | 13,2 | 124 | 77 | 14 | |
| 8673330 | 13,3 | 124 | 77 | 14 | |
| 8673340 | 13,4 | 124 | 77 | 14 | |
| 8673350 | 13,5 | 124 | 77 | 14 | |
| 8673360 | 13,6 | 124 | 77 | 14 | |
| 8673370 | 13,7 | 124 | 77 | 14 | |
| 8673380 | 13,8 | 124 | 77 | 14 | |
| 8673390 | 13,9 | 124 | 77 | 14 | |
| 8673400 | 14 | 124 | 77 | 14 | |
| 8673410 | 14,1 | 133 | 83 | 16 | |
| 8673420 | 14,2 | 133 | 83 | 16 | |
| 8673430 | 14,3 | 133 | 83 | 16 | |
| 8673440 | 14,4 | 133 | 83 | 16 | |
| 8673450 | 14,5 | 133 | 83 | 16 | |
| 8673460 | 14,6 | 133 | 83 | 16 | |
| 8673470 | 14,7 | 133 | 83 | 16 | |
| 8673480 | 14,8 | 133 | 83 | 16 | |
| 8673490 | 14,9 | 133 | 83 | 16 | |
| 8673500 | 15 | 133 | 83 | 16 | |
| 8673510 | 15,1 | 133 | 83 | 16 | |
| 8673520 | 15,2 | 133 | 83 | 16 | |
| 8673530 | 15,3 | 133 | 83 | 16 | |
| 8673540 | 15,4 | 133 | 83 | 16 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8673550 | 15,5 | 133 | 83 | 16 | |
| 8673560 | 15,6 | 133 | 83 | 16 | |
| 8673570 | 15,7 | 133 | 83 | 16 | |
| 8673580 | 15,8 | 133 | 83 | 16 | |
| 8673590 | 15,9 | 133 | 83 | 16 | |
| 8673600 | 16 | 133 | 83 | 16 | |
| 8673650 | 16,5 | 143 | 93 | 18 | |
| 8673700 | 17 | 143 | 93 | 18 | |
| 8673750 | 17,5 | 143 | 93 | 18 | |
| 8673800 | 18 | 143 | 93 | 18 | |
| 8673850 | 18,5 | 153 | 101 | 20 | |
| 8673900 | 19 | 153 | 101 | 20 | |
| 8673950 | 19,5 | 153 | 101 | 20 | |
| 8674000 | 20 | 153 | 101 | 20 | |

# ADO-3D

**Drilling | Solid carbide | 3xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Up to 3xD
- For general purpose steels and cast iron
- 167 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | N AC,ADC | S Ti | H 25-35 HRC | H 35-45 HRC | H 45-52 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

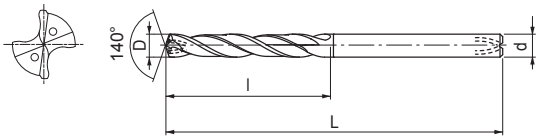
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8690200 | 2 | 66 | 12 | 3 | |
| 8690210 | 2,1 | 66 | 13 | 3 | |
| 8690220 | 2,2 | 66 | 14 | 3 | |
| 8690230 | 2,3 | 66 | 14 | 3 | |
| 8690240 | 2,4 | 66 | 15 | 3 | |
| 8690250 | 2,5 | 66 | 15 | 3 | |
| 8690260 | 2,6 | 66 | 16 | 3 | |
| 8690265 | 2,65 | 66 | 16 | 3 | |
| 8690270 | 2,7 | 66 | 17 | 3 | |
| 8690280 | 2,8 | 66 | 17 | 3 | |
| 8690290 | 2,9 | 66 | 18 | 3 | |
| 8690300 | 3 | 66 | 18 | 3 | |
| 8690310 | 3,1 | 74 | 19 | 4 | |
| 8690315 | 3,15 | 74 | 19 | 4 | |
| 8690320 | 3,2 | 74 | 20 | 4 | |
| 8690330 | 3,3 | 74 | 20 | 4 | |
| 8690340 | 3,4 | 74 | 21 | 4 | |
| 8690350 | 3,5 | 74 | 21 | 4 | |
| 8690360 | 3,6 | 74 | 22 | 4 | |
| 8690370 | 3,7 | 74 | 23 | 4 | |
| 8690375 | 3,75 | 74 | 23 | 4 | |
| 8690380 | 3,8 | 74 | 23 | 4 | |
| 8690390 | 3,9 | 74 | 24 | 4 | |
| 8690400 | 4 | 74 | 24 | 4 | |
| 8690410 | 4,1 | 80 | 25 | 5 | |
| 8700410 | 4,1 | 80 | 25 | 6 | |
| 8690420 | 4,2 | 80 | 26 | 5 | |
| 8700420 | 4,2 | 80 | 26 | 6 | |
| 8690430 | 4,3 | 80 | 26 | 5 | |
| 8700430 | 4,3 | 80 | 26 | 6 | |
| 8690440 | 4,4 | 80 | 27 | 5 | |
| 8700440 | 4,4 | 80 | 27 | 6 | |
| 8690450 | 4,5 | 80 | 27 | 5 | |
| 8700450 | 4,5 | 80 | 27 | 6 | |
| 8690460 | 4,6 | 80 | 28 | 5 | |
| 8700460 | 4,6 | 80 | 28 | 6 | |
| 8690470 | 4,7 | 80 | 29 | 5 | |
| 8700470 | 4,7 | 80 | 29 | 6 | |
| 8690480 | 4,8 | 80 | 29 | 5 | |
| 8700480 | 4,8 | 80 | 29 | 6 | |
| 8690490 | 4,9 | 80 | 30 | 5 | |
| 8700490 | 4,9 | 80 | 30 | 6 | |
| 8690500 | 5 | 80 | 25 | 5 | |
| 8700500 | 5 | 80 | 25 | 6 | |
| 8690510 | 5,1 | 82 | 26 | 6 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8690520 | 5,2 | 82 | 26 | 6 | |
| 8690525 | 5,25 | 82 | 27 | 6 | |
| 8690530 | 5,3 | 82 | 27 | 6 | |
| 8690540 | 5,4 | 82 | 27 | 6 | |
| 8690550 | 5,5 | 82 | 28 | 6 | |
| 8690560 | 5,6 | 82 | 28 | 6 | |
| 8690570 | 5,7 | 82 | 29 | 6 | |
| 8690580 | 5,8 | 82 | 29 | 6 | |
| 8690590 | 5,9 | 82 | 30 | 6 | |
| 8690600 | 6 | 82 | 30 | 6 | |
| 8700610 | 6,1 | 88 | 31 | 8 | |
| 8700620 | 6,2 | 88 | 31 | 8 | |
| 8700630 | 6,3 | 88 | 32 | 8 | |
| 8700640 | 6,4 | 88 | 32 | 8 | |
| 8700650 | 6,5 | 88 | 33 | 8 | |
| 8700660 | 6,6 | 88 | 33 | 8 | |
| 8700670 | 6,7 | 88 | 34 | 8 | |
| 8700680 | 6,8 | 88 | 34 | 8 | |
| 8700690 | 6,9 | 88 | 35 | 8 | |
| 8700700 | 7 | 88 | 35 | 8 | |
| 8690710 | 7,1 | 94 | 36 | 8 | |
| 8690720 | 7,2 | 94 | 36 | 8 | |
| 8690725 | 7,25 | 94 | 37 | 8 | |
| 8690730 | 7,3 | 94 | 37 | 8 | |
| 8690740 | 7,4 | 94 | 37 | 8 | |
| 8690750 | 7,5 | 94 | 38 | 8 | |
| 8690760 | 7,6 | 94 | 38 | 8 | |
| 8690770 | 7,7 | 94 | 39 | 8 | |
| 8690775 | 7,75 | 94 | 39 | 8 | |
| 8690780 | 7,8 | 94 | 39 | 8 | |
| 8690790 | 7,9 | 94 | 40 | 8 | |
| 8690800 | 8 | 94 | 40 | 8 | |
| 8700810 | 8,1 | 101 | 41 | 10 | |
| 8700820 | 8,2 | 101 | 41 | 10 | |
| 8700830 | 8,3 | 101 | 42 | 10 | |
| 8700840 | 8,4 | 101 | 42 | 10 | |
| 8700850 | 8,5 | 101 | 43 | 10 | |
| 8700860 | 8,6 | 101 | 43 | 10 | |
| 8700870 | 8,7 | 101 | 43 | 10 | |
| 8700880 | 8,8 | 101 | 44 | 10 | |
| 8700890 | 8,9 | 101 | 45 | 10 | |
| 8700900 | 9 | 101 | 45 | 10 | |
| 8690910 | 9,1 | 106 | 46 | 10 | |
| 8690920 | 9,2 | 106 | 46 | 10 | |
| 8690925 | 9,25 | 106 | 47 | 10 | |

# ADO-3D

**Drilling | Solid carbide | 3xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Up to 3xD
- For general purpose steels and cast iron
- 167 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | N AC,ADC | S Ti | H 25-35 HRC | H 35-45 HRC | H 45-52 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

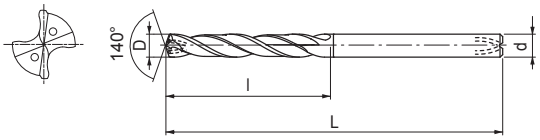
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8690930 | 9,3 | 106 | 47 | 10 | |
| 8690940 | 9,4 | 106 | 47 | 10 | |
| 8690950 | 9,5 | 106 | 48 | 10 | |
| 8690960 | 9,6 | 106 | 48 | 10 | |
| 8690970 | 9,7 | 106 | 49 | 10 | |
| 8690975 | 9,75 | 106 | 49 | 10 | |
| 8690980 | 9,8 | 106 | 49 | 10 | |
| 8690990 | 9,9 | 106 | 50 | 10 | |
| 8691000 | 10 | 106 | 50 | 10 | |
| 8701010 | 10,1 | 113 | 51 | 12 | |
| 8701020 | 10,2 | 113 | 51 | 12 | |
| 8701030 | 10,3 | 113 | 52 | 12 | |
| 8701040 | 10,4 | 113 | 52 | 12 | |
| 8701050 | 10,5 | 113 | 53 | 12 | |
| 8701060 | 10,6 | 113 | 53 | 12 | |
| 8701070 | 10,7 | 113 | 54 | 12 | |
| 8701080 | 10,8 | 113 | 54 | 12 | |
| 8701090 | 10,9 | 113 | 55 | 12 | |
| 8701100 | 11 | 113 | 55 | 12 | |
| 8691110 | 11,1 | 120 | 56 | 12 | |
| 8691120 | 11,2 | 120 | 56 | 12 | |
| 8691130 | 11,3 | 120 | 57 | 12 | |
| 8691140 | 11,4 | 120 | 57 | 12 | |
| 8691150 | 11,5 | 120 | 58 | 12 | |
| 8691160 | 11,6 | 120 | 58 | 12 | |
| 8691170 | 11,7 | 120 | 59 | 12 | |
| 8691180 | 11,8 | 120 | 59 | 12 | |
| 8691190 | 11,9 | 120 | 60 | 12 | |
| 8691200 | 12 | 120 | 60 | 12 | |
| 8701210 | 12,1 | 128 | 61 | 14 | |
| 8701220 | 12,2 | 128 | 61 | 14 | |
| 8701230 | 12,3 | 128 | 62 | 14 | |
| 8701240 | 12,4 | 128 | 62 | 14 | |
| 8701250 | 12,5 | 128 | 63 | 14 | |
| 8701260 | 12,6 | 128 | 63 | 14 | |
| 8701270 | 12,7 | 128 | 64 | 14 | |
| 8701280 | 12,8 | 128 | 64 | 14 | |
| 8701290 | 12,9 | 128 | 65 | 14 | |
| 8701300 | 13 | 128 | 65 | 14 | |
| 8691310 | 13,1 | 134 | 66 | 14 | |
| 8691320 | 13,2 | 134 | 66 | 14 | |
| 8691330 | 13,3 | 134 | 67 | 14 | |
| 8691340 | 13,4 | 134 | 67 | 14 | |
| 8691350 | 13,5 | 134 | 68 | 14 | |
| 8691360 | 13,6 | 134 | 68 | 14 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8691370 | 13,7 | 134 | 69 | 14 | |
| 8691380 | 13,8 | 134 | 69 | 14 | |
| 8691390 | 13,9 | 134 | 70 | 14 | |
| 8691400 | 14 | 134 | 70 | 14 | |
| 8701410 | 14,1 | 140 | 71 | 16 | |
| 8701420 | 14,2 | 140 | 71 | 16 | |
| 8701430 | 14,3 | 140 | 72 | 16 | |
| 8701440 | 14,4 | 140 | 72 | 16 | |
| 8701450 | 14,5 | 140 | 73 | 16 | |
| 8701460 | 14,6 | 140 | 73 | 16 | |
| 8701470 | 14,7 | 140 | 74 | 16 | |
| 8701480 | 14,8 | 140 | 74 | 16 | |
| 8701490 | 14,9 | 140 | 75 | 16 | |
| 8701500 | 15 | 140 | 75 | 16 | |
| 8691510 | 15,1 | 145 | 76 | 16 | |
| 8691520 | 15,2 | 145 | 76 | 16 | |
| 8691530 | 15,3 | 145 | 77 | 16 | |
| 8691540 | 15,4 | 145 | 77 | 16 | |
| 8691550 | 15,5 | 145 | 78 | 16 | |
| 8691560 | 15,6 | 145 | 78 | 16 | |
| 8691570 | 15,7 | 145 | 79 | 16 | |
| 8691580 | 15,8 | 145 | 79 | 16 | |
| 8691590 | 15,9 | 145 | 80 | 16 | |
| 8691600 | 16 | 145 | 80 | 16 | |
| 8701650 | 16,5 | 150 | 83 | 18 | |
| 8701700 | 17 | 150 | 85 | 18 | |
| 8691750 | 17,5 | 155 | 88 | 18 | |
| 8691800 | 18 | 155 | 90 | 18 | |
| 8701850 | 18,5 | 160 | 93 | 20 | |
| 8701900 | 19 | 160 | 95 | 20 | |
| 8691950 | 19,5 | 165 | 98 | 20 | |
| 8692000 | 20 | 165 | 100 | 20 | |

# ADO-5D

**Drilling | Solid carbide | 5xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Up to 5xD
- For general purpose steels and cast iron
- 191 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | N AC,ADC | S Ti | H 25-35 HRC | H 35-45 HRC | H 45-52 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

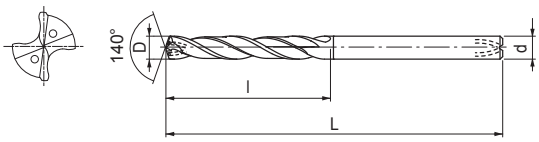
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8692200 | 2 | 70 | 18 | 3 | |
| 8692210 | 2,1 | 70 | 19 | 3 | |
| 8692220 | 2,2 | 70 | 20 | 3 | |
| 8692230 | 2,3 | 70 | 21 | 3 | |
| 8692240 | 2,4 | 70 | 22 | 3 | |
| 8692250 | 2,5 | 70 | 23 | 3 | |
| 8692260 | 2,6 | 78 | 24 | 3 | |
| 8692265 | 2,65 | 78 | 24 | 3 | |
| 8692270 | 2,7 | 78 | 25 | 3 | |
| 8692276 | 2,76 | 78 | 25 | 3 | |
| 8692278 | 2,78 | 78 | 26 | 3 | |
| 8692280 | 2,8 | 78 | 26 | 3 | |
| 8692290 | 2,9 | 78 | 27 | 3 | |
| 8692300 | 3 | 78 | 27 | 3 | |
| 8692310 | 3,1 | 86 | 28 | 4 | |
| 8692315 | 3,15 | 86 | 29 | 4 | |
| 8692320 | 3,2 | 86 | 29 | 4 | |
| 8692330 | 3,3 | 86 | 30 | 4 | |
| 8692340 | 3,4 | 86 | 31 | 4 | |
| 8692350 | 3,5 | 86 | 32 | 4 | |
| 8692360 | 3,6 | 86 | 33 | 4 | |
| 8692366 | 3,66 | 86 | 33 | 4 | |
| 8692368 | 3,68 | 86 | 34 | 4 | |
| 8692370 | 3,7 | 86 | 34 | 4 | |
| 8692375 | 3,75 | 86 | 34 | 4 | |
| 8692380 | 3,8 | 86 | 35 | 4 | |
| 8692390 | 3,9 | 86 | 36 | 4 | |
| 8692400 | 4 | 86 | 36 | 4 | |
| 8692410 | 4,1 | 95 | 37 | 5 | |
| 8702410 | 4,1 | 95 | 37 | 6 | |
| 8692420 | 4,2 | 95 | 38 | 5 | |
| 8702420 | 4,2 | 95 | 38 | 6 | |
| 8692430 | 4,3 | 95 | 39 | 5 | |
| 8702430 | 4,3 | 95 | 39 | 6 | |
| 8692440 | 4,4 | 95 | 40 | 5 | |
| 8702440 | 4,4 | 95 | 40 | 6 | |
| 8692450 | 4,5 | 95 | 41 | 5 | |
| 8702450 | 4,5 | 95 | 41 | 6 | |
| 8692460 | 4,6 | 95 | 42 | 5 | |
| 8702460 | 4,6 | 95 | 42 | 6 | |
| 8692462 | 4,62 | 95 | 42 | 5 | |
| 8692464 | 4,64 | 95 | 42 | 5 | |
| 8692470 | 4,7 | 95 | 43 | 5 | |
| 8702470 | 4,7 | 95 | 43 | 6 | |
| 8692480 | 4,8 | 95 | 44 | 5 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8702480 | 4,8 | 95 | 44 | 6 | |
| 8692490 | 4,9 | 95 | 45 | 5 | |
| 8702490 | 4,9 | 95 | 45 | 6 | |
| 8692500 | 5 | 95 | 45 | 5 | |
| 8702500 | 5 | 95 | 45 | 6 | |
| 8692510 | 5,1 | 100 | 41 | 6 | |
| 8692520 | 5,2 | 100 | 42 | 6 | |
| 8692525 | 5,25 | 100 | 42 | 6 | |
| 8692530 | 5,3 | 100 | 43 | 6 | |
| 8692540 | 5,4 | 100 | 44 | 6 | |
| 8692550 | 5,5 | 100 | 44 | 6 | |
| 8692552 | 5,52 | 100 | 45 | 6 | |
| 8692554 | 5,54 | 100 | 45 | 6 | |
| 8692560 | 5,6 | 100 | 45 | 6 | |
| 8692570 | 5,7 | 100 | 46 | 6 | |
| 8692580 | 5,8 | 100 | 47 | 6 | |
| 8692590 | 5,9 | 100 | 48 | 6 | |
| 8692600 | 6 | 100 | 48 | 6 | |
| 8702610 | 6,1 | 109 | 49 | 8 | |
| 8702620 | 6,2 | 109 | 50 | 8 | |
| 8702630 | 6,3 | 109 | 51 | 8 | |
| 8702640 | 6,4 | 109 | 52 | 8 | |
| 8702650 | 6,5 | 109 | 52 | 8 | |
| 8702660 | 6,6 | 109 | 53 | 8 | |
| 8702670 | 6,7 | 109 | 54 | 8 | |
| 8702680 | 6,8 | 109 | 55 | 8 | |
| 8702690 | 6,9 | 109 | 56 | 8 | |
| 8702700 | 7 | 109 | 56 | 8 | |
| 8692710 | 7,1 | 118 | 57 | 8 | |
| 8692720 | 7,2 | 118 | 58 | 8 | |
| 8692725 | 7,25 | 118 | 58 | 8 | |
| 8692730 | 7,3 | 118 | 59 | 8 | |
| 8692736 | 7,36 | 118 | 59 | 8 | |
| 8692738 | 7,38 | 118 | 60 | 8 | |
| 8692740 | 7,4 | 118 | 60 | 8 | |
| 8692750 | 7,5 | 118 | 60 | 8 | |
| 8692752 | 7,52 | 118 | 61 | 8 | |
| 8692754 | 7,54 | 118 | 61 | 8 | |
| 8692760 | 7,6 | 118 | 61 | 8 | |
| 8692770 | 7,7 | 118 | 62 | 8 | |
| 8692775 | 7,75 | 118 | 62 | 8 | |
| 8692780 | 7,8 | 118 | 63 | 8 | |
| 8692790 | 7,9 | 118 | 64 | 8 | |
| 8692800 | 8 | 118 | 64 | 8 | |
| 8702810 | 8,1 | 128 | 65 | 10 | |

# ADO-5D

**Drilling | Solid carbide | 5xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Up to 5xD
- For general purpose steels and cast iron
- 191 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | N AC,ADC | S Ti | H 25-35 HRC | H 35-45 HRC | H 45-52 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

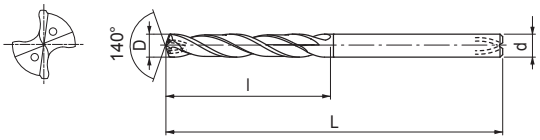
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8702820 | 8,2 | 128 | 66 | 10 | |
| 8702830 | 8,3 | 128 | 67 | 10 | |
| 8702840 | 8,4 | 128 | 68 | 10 | |
| 8702850 | 8,5 | 128 | 68 | 10 | |
| 8702860 | 8,6 | 128 | 69 | 10 | |
| 8702870 | 8,7 | 128 | 70 | 10 | |
| 8702880 | 8,8 | 128 | 71 | 10 | |
| 8702890 | 8,9 | 128 | 72 | 10 | |
| 8702900 | 9 | 128 | 72 | 10 | |
| 8692910 | 9,1 | 136 | 73 | 10 | |
| 8692920 | 9,2 | 136 | 74 | 10 | |
| 8692924 | 9,24 | 136 | 74 | 10 | |
| 8692925 | 9,25 | 136 | 74 | 10 | |
| 8692926 | 9,26 | 136 | 75 | 10 | |
| 8692930 | 9,3 | 136 | 75 | 10 | |
| 8692936 | 9,36 | 136 | 75 | 10 | |
| 8692938 | 9,38 | 136 | 76 | 10 | |
| 8692940 | 9,4 | 136 | 76 | 10 | |
| 8692950 | 9,5 | 136 | 76 | 10 | |
| 8692952 | 9,52 | 136 | 77 | 10 | |
| 8692954 | 9,54 | 136 | 77 | 10 | |
| 8692960 | 9,6 | 136 | 77 | 10 | |
| 8692970 | 9,7 | 136 | 78 | 10 | |
| 8692975 | 9,75 | 136 | 78 | 10 | |
| 8692980 | 9,8 | 136 | 79 | 10 | |
| 8692990 | 9,9 | 136 | 80 | 10 | |
| 8693000 | 10 | 136 | 80 | 10 | |
| 8703010 | 10,1 | 146 | 81 | 12 | |
| 8703020 | 10,2 | 146 | 82 | 12 | |
| 8703030 | 10,3 | 146 | 83 | 12 | |
| 8703040 | 10,4 | 146 | 84 | 12 | |
| 8703050 | 10,5 | 146 | 84 | 12 | |
| 8703060 | 10,6 | 146 | 85 | 12 | |
| 8703070 | 10,7 | 146 | 86 | 12 | |
| 8703080 | 10,8 | 146 | 87 | 12 | |
| 8703090 | 10,9 | 146 | 88 | 12 | |
| 8703100 | 11 | 146 | 88 | 12 | |
| 8693110 | 11,1 | 156 | 89 | 12 | |
| 8693120 | 11,2 | 156 | 90 | 12 | |
| 8693122 | 11,22 | 156 | 90 | 12 | |
| 8693124 | 11,24 | 156 | 90 | 12 | |
| 8693130 | 11,3 | 156 | 91 | 12 | |
| 8693136 | 11,36 | 156 | 91 | 12 | |
| 8693138 | 11,38 | 156 | 92 | 12 | |
| 8693140 | 11,4 | 156 | 92 | 12 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8693150 | 11,5 | 156 | 92 | 12 | |
| 8693160 | 11,6 | 156 | 93 | 12 | |
| 8693170 | 11,7 | 156 | 94 | 12 | |
| 8693180 | 11,8 | 156 | 95 | 12 | |
| 8693190 | 11,9 | 156 | 96 | 12 | |
| 8693200 | 12 | 156 | 96 | 12 | |
| 8703210 | 12,1 | 167 | 97 | 14 | |
| 8703220 | 12,2 | 167 | 98 | 14 | |
| 8703230 | 12,3 | 167 | 99 | 14 | |
| 8703240 | 12,4 | 167 | 100 | 14 | |
| 8703250 | 12,5 | 167 | 100 | 14 | |
| 8703260 | 12,6 | 167 | 101 | 14 | |
| 8703270 | 12,7 | 167 | 102 | 14 | |
| 8703280 | 12,8 | 167 | 103 | 14 | |
| 8703290 | 12,9 | 167 | 104 | 14 | |
| 8703300 | 13 | 167 | 104 | 14 | |
| 8693310 | 13,1 | 176 | 105 | 14 | |
| 8693320 | 13,2 | 176 | 106 | 14 | |
| 8693325 | 13,25 | 176 | 106 | 14 | |
| 8693330 | 13,3 | 176 | 107 | 14 | |
| 8693340 | 13,4 | 176 | 108 | 14 | |
| 8693350 | 13,5 | 176 | 108 | 14 | |
| 8693360 | 13,6 | 176 | 109 | 14 | |
| 8693370 | 13,7 | 176 | 110 | 14 | |
| 8693380 | 13,8 | 176 | 111 | 14 | |
| 8693390 | 13,9 | 176 | 112 | 14 | |
| 8693400 | 14 | 176 | 112 | 14 | |
| 8703410 | 14,1 | 185 | 113 | 16 | |
| 8703420 | 14,2 | 185 | 114 | 16 | |
| 8703430 | 14,3 | 185 | 115 | 16 | |
| 8703440 | 14,4 | 185 | 116 | 16 | |
| 8703450 | 14,5 | 185 | 116 | 16 | |
| 8703460 | 14,6 | 185 | 117 | 16 | |
| 8703470 | 14,7 | 185 | 118 | 16 | |
| 8703480 | 14,8 | 185 | 119 | 16 | |
| 8703490 | 14,9 | 185 | 120 | 16 | |
| 8703500 | 15 | 185 | 120 | 16 | |
| 8693510 | 15,1 | 193 | 121 | 16 | |
| 8693520 | 15,2 | 193 | 122 | 16 | |
| 8693525 | 15,25 | 193 | 122 | 16 | |
| 8693530 | 15,3 | 193 | 123 | 16 | |
| 8693540 | 15,4 | 193 | 124 | 16 | |
| 8693550 | 15,5 | 193 | 124 | 16 | |
| 8693560 | 15,6 | 193 | 125 | 16 | |
| 8693570 | 15,7 | 193 | 126 | 16 | |

# ADO-5D

**Drilling | Solid carbide | 5xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Up to 5xD
- For general purpose steels and cast iron
- 191 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | N AC,ADC | S Ti | H 25-35 HRC | H 35-45 HRC | H 45-52 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | h8

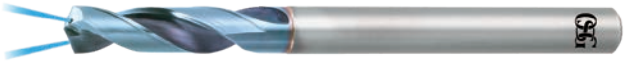
page 27

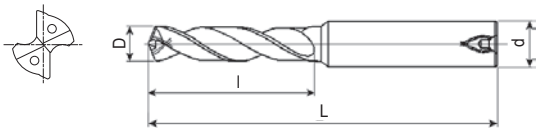
| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8693580 | 15,8 | 193 | 127 | 16 | |
| 8693590 | 15,9 | 193 | 128 | 16 | |
| 8693600 | 16 | 193 | 128 | 16 | |
| 8703650 | 16,5 | 201 | 132 | 18 | |
| 8703700 | 17 | 201 | 136 | 18 | |
| 8693750 | 17,5 | 209 | 140 | 18 | |
| 8693800 | 18 | 209 | 144 | 18 | |
| 8703850 | 18,5 | 217 | 148 | 20 | |
| 8703900 | 19 | 217 | 152 | 20 | |
| 8693950 | 19,5 | 225 | 156 | 20 | |
| 8694000 | 20 | 225 | 160 | 20 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|

# ADO-PLT

**Drilling | Solid carbide | Pilot Drill**






- First choice in quality and performance
- Carbide pilot drill with internal coolant, EgiAs coating
- For general purpose steels and cast iron
- 15 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | H 25-35 HRC | H 35-45 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 160° | h8

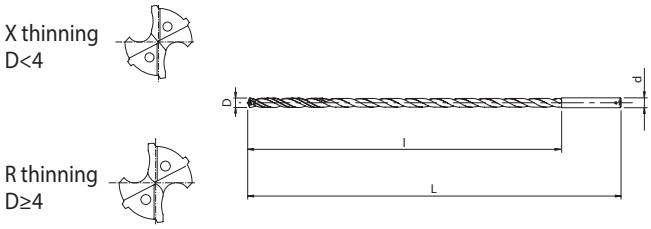
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8688903 | 3,03 | 65 | 15 | 3 | |
| 8688923 | 3,53 | 70 | 18 | 4 | |
| 8688904 | 4,03 | 70 | 20 | 4 | |
| 8688924 | 4,53 | 75 | 23 | 5 | |
| 8688905 | 5,03 | 75 | 25 | 5 | |
| 8688925 | 5,53 | 80 | 28 | 6 | |
| 8688906 | 6,03 | 80 | 30 | 6 | |
| 8688926 | 6,53 | 85 | 33 | 7 | |
| 8688907 | 7,03 | 85 | 35 | 7 | |
| 8688908 | 8,03 | 90 | 40 | 8 | |
| 8688928 | 8,53 | 95 | 43 | 9 | |
| 8688909 | 9,03 | 95 | 45 | 9 | |
| 8688910 | 10,03 | 100 | 50 | 10 | |
| 8688911 | 11,03 | 115 | 55 | 11 | |
| 8688912 | 12,03 | 120 | 60 | 12 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|

# ADO-10D

**Drilling | Solid carbide | 10xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 10xD
- For general purpose steels and cast iron
- 102 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | H 25-35 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | e8

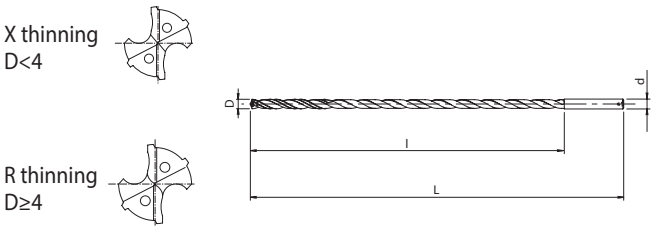
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8696200 | 2 | 75 | 26 | 3 | |
| 8696210 | 2,1 | 75 | 33 | 3 | |
| 8696220 | 2,2 | 75 | 33 | 3 | |
| 8696230 | 2,3 | 75 | 33 | 3 | |
| 8696240 | 2,4 | 75 | 33 | 3 | |
| 8696250 | 2,5 | 75 | 33 | 3 | |
| 8696260 | 2,6 | 90 | 40 | 3 | |
| 8696270 | 2,7 | 90 | 40 | 3 | |
| 8696280 | 2,8 | 90 | 40 | 3 | |
| 8696290 | 2,9 | 90 | 40 | 3 | |
| 8696300 | 3 | 90 | 40 | 3 | |
| 8696310 | 3,1 | 100 | 45 | 4 | |
| 8696320 | 3,2 | 100 | 45 | 4 | |
| 8696330 | 3,3 | 100 | 45 | 4 | |
| 8696340 | 3,4 | 100 | 50 | 4 | |
| 8696350 | 3,5 | 100 | 50 | 4 | |
| 8696360 | 3,6 | 100 | 50 | 4 | |
| 8696370 | 3,7 | 100 | 50 | 4 | |
| 8696380 | 3,8 | 100 | 50 | 4 | |
| 8696390 | 3,9 | 100 | 50 | 4 | |
| 8696400 | 4 | 100 | 50 | 4 | |
| 8710410 | 4,1 | 115 | 55 | 6 | |
| 8710420 | 4,2 | 115 | 55 | 6 | |
| 8710430 | 4,3 | 115 | 60 | 6 | |
| 8710440 | 4,4 | 115 | 60 | 6 | |
| 8710450 | 4,5 | 115 | 60 | 6 | |
| 8710460 | 4,6 | 115 | 60 | 6 | |
| 8710470 | 4,7 | 115 | 65 | 6 | |
| 8710480 | 4,8 | 115 | 65 | 6 | |
| 8710490 | 4,9 | 115 | 65 | 6 | |
| 8710500 | 5 | 115 | 65 | 6 | |
| 8710510 | 5,1 | 128 | 70 | 6 | |
| 8710520 | 5,2 | 128 | 70 | 6 | |
| 8710530 | 5,3 | 128 | 70 | 6 | |
| 8710540 | 5,4 | 128 | 78 | 6 | |
| 8696550 | 5,5 | 128 | 78 | 6 | |
| 8710560 | 5,6 | 128 | 78 | 6 | |
| 8710570 | 5,7 | 128 | 78 | 6 | |
| 8710580 | 5,8 | 128 | 78 | 6 | |
| 8710590 | 5,9 | 128 | 78 | 6 | |
| 8696600 | 6 | 128 | 78 | 6 | |
| 8710610 | 6,1 | 140 | 87 | 8 | |
| 8710620 | 6,2 | 140 | 87 | 8 | |
| 8710630 | 6,3 | 140 | 87 | 8 | |
| 8710640 | 6,4 | 140 | 87 | 8 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8710650 | 6,5 | 140 | 87 | 8 | |
| 8710660 | 6,6 | 140 | 87 | 8 | |
| 8710670 | 6,7 | 140 | 87 | 8 | |
| 8710680 | 6,8 | 140 | 90 | 8 | |
| 8710690 | 6,9 | 140 | 90 | 8 | |
| 8710700 | 7 | 140 | 90 | 8 | |
| 8710710 | 7,1 | 155 | 100 | 8 | |
| 8710720 | 7,2 | 155 | 100 | 8 | |
| 8710730 | 7,3 | 155 | 100 | 8 | |
| 8710740 | 7,4 | 155 | 100 | 8 | |
| 8696750 | 7,5 | 155 | 100 | 8 | |
| 8710760 | 7,6 | 155 | 105 | 8 | |
| 8710770 | 7,7 | 155 | 105 | 8 | |
| 8710780 | 7,8 | 155 | 105 | 8 | |
| 8710790 | 7,9 | 155 | 105 | 8 | |
| 8696800 | 8 | 155 | 105 | 8 | |
| 8710810 | 8,1 | 165 | 110 | 10 | |
| 8710820 | 8,2 | 165 | 110 | 10 | |
| 8710830 | 8,3 | 165 | 110 | 10 | |
| 8710840 | 8,4 | 165 | 110 | 10 | |
| 8710850 | 8,5 | 165 | 110 | 10 | |
| 8710860 | 8,6 | 165 | 115 | 10 | |
| 8710870 | 8,7 | 165 | 115 | 10 | |
| 8710880 | 8,8 | 165 | 115 | 10 | |
| 8710890 | 8,9 | 165 | 115 | 10 | |
| 8710900 | 9 | 165 | 115 | 10 | |
| 8710910 | 9,1 | 190 | 125 | 10 | |
| 8710920 | 9,2 | 190 | 125 | 10 | |
| 8710930 | 9,3 | 190 | 125 | 10 | |
| 8710940 | 9,4 | 190 | 125 | 10 | |
| 8696950 | 9,5 | 190 | 125 | 10 | |
| 8710960 | 9,6 | 190 | 130 | 10 | |
| 8710970 | 9,7 | 190 | 130 | 10 | |
| 8710980 | 9,8 | 190 | 130 | 10 | |
| 8710990 | 9,9 | 190 | 130 | 10 | |
| 8697000 | 10 | 190 | 130 | 10 | |
| 8711010 | 10,1 | 205 | 140 | 12 | |
| 8711020 | 10,2 | 205 | 140 | 12 | |
| 8711030 | 10,3 | 205 | 140 | 12 | |
| 8711040 | 10,4 | 205 | 140 | 12 | |
| 8711050 | 10,5 | 205 | 140 | 12 | |
| 8711060 | 10,6 | 205 | 140 | 12 | |
| 8711070 | 10,7 | 205 | 140 | 12 | |
| 8711080 | 10,8 | 205 | 145 | 12 | |
| 8711090 | 10,9 | 205 | 145 | 12 | |

# ADO-10D

**Drilling | Solid carbide | 10xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 10xD
- For general purpose steels and cast iron
- 102 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | H 25-35 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | e8

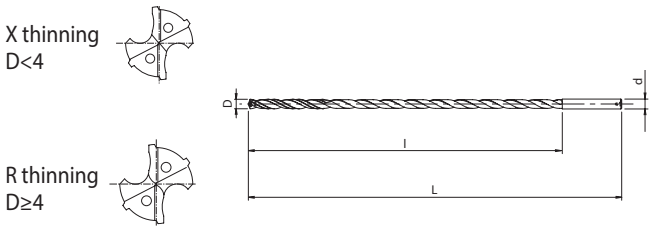
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8711100 | 11 | 205 | 145 | 12 | |
| 8711110 | 11,1 | 215 | 155 | 12 | |
| 8711120 | 11,2 | 215 | 155 | 12 | |
| 8711130 | 11,3 | 215 | 155 | 12 | |
| 8711140 | 11,4 | 215 | 155 | 12 | |
| 8711150 | 11,5 | 215 | 155 | 12 | |
| 8711160 | 11,6 | 215 | 155 | 12 | |
| 8711170 | 11,7 | 215 | 155 | 12 | |
| 8711180 | 11,8 | 215 | 155 | 12 | |
| 8711190 | 11,9 | 215 | 155 | 12 | |
| 8697200 | 12 | 215 | 155 | 12 | |
| 8711250 | 12,5 | 215 | 155 | 14 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|

# **ADO-15D** NEW SIZE

**Drilling | Solid carbide | 15xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 15xD
- For general purpose steels and cast iron
- 93 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | H 25-35 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | e8

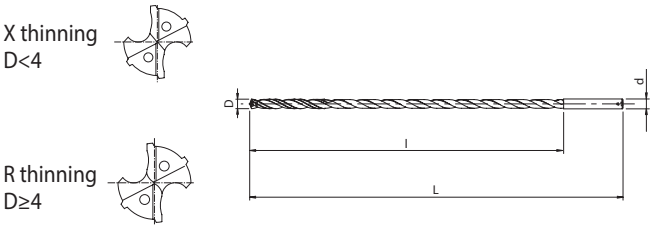
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| NEW 48338125 | 2,5 | 96 | 45 | 3 | |
| 8698300 | 3 | 105 | 55 | 3 | |
| 8698310 | 3,1 | 125 | 60 | 4 | |
| 8698320 | 3,2 | 125 | 60 | 4 | |
| 8698330 | 3,3 | 125 | 60 | 4 | |
| 8698340 | 3,4 | 125 | 65 | 4 | |
| 8698350 | 3,5 | 125 | 65 | 4 | |
| 8698360 | 3,6 | 125 | 65 | 4 | |
| 8698370 | 3,7 | 125 | 65 | 4 | |
| 8698380 | 3,8 | 125 | 75 | 4 | |
| 8698390 | 3,9 | 125 | 75 | 4 | |
| 8698400 | 4 | 125 | 75 | 4 | |
| 8712410 | 4,1 | 140 | 75 | 6 | |
| 8712420 | 4,2 | 140 | 75 | 6 | |
| 8712430 | 4,3 | 140 | 85 | 6 | |
| 8712440 | 4,4 | 140 | 85 | 6 | |
| 8712450 | 4,5 | 140 | 85 | 6 | |
| 8712460 | 4,6 | 140 | 85 | 6 | |
| 8712470 | 4,7 | 140 | 85 | 6 | |
| 8712480 | 4,8 | 140 | 90 | 6 | |
| 8712490 | 4,9 | 140 | 90 | 6 | |
| 8712500 | 5 | 140 | 90 | 6 | |
| 8712510 | 5,1 | 160 | 95 | 6 | |
| 8712520 | 5,2 | 160 | 95 | 6 | |
| 8712530 | 5,3 | 160 | 95 | 6 | |
| 8712540 | 5,4 | 160 | 110 | 6 | |
| 8698550 | 5,5 | 160 | 110 | 6 | |
| 8712560 | 5,6 | 160 | 110 | 6 | |
| 8712570 | 5,7 | 160 | 110 | 6 | |
| 8712580 | 5,8 | 160 | 110 | 6 | |
| 8712590 | 5,9 | 160 | 110 | 6 | |
| 8698600 | 6 | 160 | 110 | 6 | |
| 8712610 | 6,1 | 175 | 120 | 8 | |
| 8712620 | 6,2 | 175 | 120 | 8 | |
| 8712630 | 6,3 | 175 | 120 | 8 | |
| 8712640 | 6,4 | 175 | 120 | 8 | |
| 8712650 | 6,5 | 175 | 120 | 8 | |
| 8712660 | 6,6 | 175 | 120 | 8 | |
| 8712670 | 6,7 | 175 | 120 | 8 | |
| 8712680 | 6,8 | 175 | 125 | 8 | |
| 8712690 | 6,9 | 175 | 125 | 8 | |
| 8712700 | 7 | 175 | 125 | 8 | |
| 8712710 | 7,1 | 195 | 135 | 8 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8712720 | 7,2 | 195 | 135 | 8 | |
| 8712730 | 7,3 | 195 | 135 | 8 | |
| 8712740 | 7,4 | 195 | 135 | 8 | |
| 8698750 | 7,5 | 195 | 135 | 8 | |
| 8712760 | 7,6 | 195 | 145 | 8 | |
| 8712770 | 7,7 | 195 | 145 | 8 | |
| 8712780 | 7,8 | 195 | 145 | 8 | |
| 8712790 | 7,9 | 195 | 145 | 8 | |
| 8698800 | 8 | 195 | 145 | 8 | |
| 8712810 | 8,1 | 210 | 155 | 10 | |
| 8712820 | 8,2 | 210 | 155 | 10 | |
| 8712830 | 8,3 | 210 | 155 | 10 | |
| 8712840 | 8,4 | 210 | 155 | 10 | |
| 8712850 | 8,5 | 210 | 155 | 10 | |
| 8712860 | 8,6 | 210 | 160 | 10 | |
| 8712870 | 8,7 | 210 | 160 | 10 | |
| 8712880 | 8,8 | 210 | 160 | 10 | |
| 8712890 | 8,9 | 210 | 160 | 10 | |
| 8712900 | 9 | 210 | 160 | 10 | |
| 8712910 | 9,1 | 240 | 170 | 10 | |
| 8712920 | 9,2 | 240 | 170 | 10 | |
| 8712930 | 9,3 | 240 | 170 | 10 | |
| 8712940 | 9,4 | 240 | 170 | 10 | |
| 8698950 | 9,5 | 240 | 170 | 10 | |
| 8712960 | 9,6 | 240 | 180 | 10 | |
| 8712970 | 9,7 | 240 | 180 | 10 | |
| 8712980 | 9,8 | 240 | 180 | 10 | |
| 8712990 | 9,9 | 240 | 180 | 10 | |
| 8699000 | 10 | 240 | 180 | 10 | |
| 8713010 | 10,1 | 260 | 190 | 12 | |
| 8713020 | 10,2 | 260 | 190 | 12 | |
| 8713030 | 10,3 | 260 | 190 | 12 | |
| 8713040 | 10,4 | 260 | 190 | 12 | |
| 8713050 | 10,5 | 260 | 190 | 12 | |
| 8713060 | 10,6 | 260 | 190 | 12 | |
| 8713070 | 10,7 | 260 | 200 | 12 | |
| 8713080 | 10,8 | 260 | 200 | 12 | |
| 8713090 | 10,9 | 260 | 200 | 12 | |
| 8713100 | 11 | 260 | 200 | 12 | |
| 8713110 | 11,1 | 280 | 210 | 12 | |
| 8713120 | 11,2 | 280 | 210 | 12 | |
| 8713130 | 11,3 | 280 | 210 | 12 | |

# **ADO-15D** NEW SIZE

**Drilling | Solid carbide | 15xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 15xD
- For general purpose steels and cast iron
- 93 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | H 25-35 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | e8

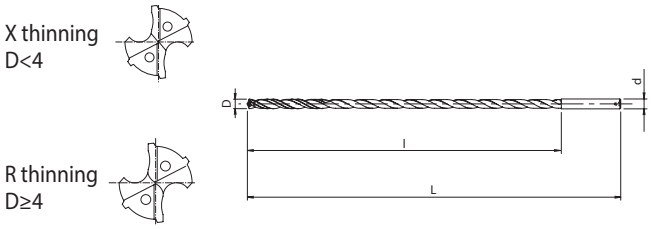
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8713140 | 11,4 | 280 | 210 | 12 | |
| 8713150 | 11,5 | 280 | 210 | 12 | |
| 8713160 | 11,6 | 280 | 210 | 12 | |
| 8713170 | 11,7 | 280 | 210 | 12 | |
| 8713180 | 11,8 | 280 | 210 | 12 | |
| 8713190 | 11,9 | 280 | 215 | 12 | |
| 8699200 | 12 | 280 | 215 | 12 | |
| 8713250 | 12,5 | 290 | 252 | 14 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|

# ADO-20D NEW SIZE

**Drilling | Solid carbide | 20xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 20xD
- For general purpose steels and cast iron
- 93 sizes

P C: ≤0,2% | P C: 0,25-0,4% | P C: ≥0,45% | P SCM | M INOX | K GG | K GGG | H 25-35 HRC

A | CARBIDE | EgiAs | 30° | SHRINK FIT | 140° | e8

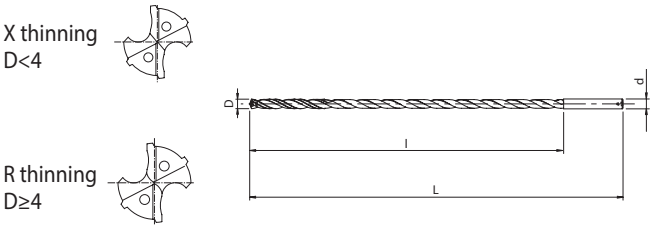
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| NEW 48338225 | 2,5 | 109 | 58 | 3 | |
| 8706300 | 3 | 120 | 70 | 3 | |
| 8706310 | 3,1 | 140 | 80 | 4 | |
| 8706320 | 3,2 | 140 | 80 | 4 | |
| 8706330 | 3,3 | 140 | 80 | 4 | |
| 8706340 | 3,4 | 140 | 85 | 4 | |
| 8706350 | 3,5 | 140 | 85 | 4 | |
| 8706360 | 3,6 | 140 | 85 | 4 | |
| 8706370 | 3,7 | 140 | 85 | 4 | |
| 8706380 | 3,8 | 140 | 90 | 4 | |
| 8706390 | 3,9 | 140 | 90 | 4 | |
| 8706400 | 4 | 140 | 90 | 4 | |
| 8714410 | 4,1 | 165 | 100 | 6 | |
| 8714420 | 4,2 | 165 | 100 | 6 | |
| 8714430 | 4,3 | 165 | 110 | 6 | |
| 8714440 | 4,4 | 165 | 110 | 6 | |
| 8714450 | 4,5 | 165 | 110 | 6 | |
| 8714460 | 4,6 | 165 | 110 | 6 | |
| 8714470 | 4,7 | 165 | 110 | 6 | |
| 8714480 | 4,8 | 165 | 115 | 6 | |
| 8714490 | 4,9 | 165 | 115 | 6 | |
| 8714500 | 5 | 165 | 115 | 6 | |
| 8714510 | 5,1 | 190 | 120 | 6 | |
| 8714520 | 5,2 | 190 | 120 | 6 | |
| 8714530 | 5,3 | 190 | 120 | 6 | |
| 8714540 | 5,4 | 190 | 140 | 6 | |
| 8706550 | 5,5 | 190 | 140 | 6 | |
| 8714560 | 5,6 | 190 | 140 | 6 | |
| 8714570 | 5,7 | 190 | 140 | 6 | |
| 8714580 | 5,8 | 190 | 140 | 6 | |
| 8714590 | 5,9 | 190 | 140 | 6 | |
| 8706600 | 6 | 190 | 140 | 6 | |
| 8714610 | 6,1 | 210 | 155 | 8 | |
| 8714620 | 6,2 | 210 | 155 | 8 | |
| 8714630 | 6,3 | 210 | 155 | 8 | |
| 8714640 | 6,4 | 210 | 155 | 8 | |
| 8714650 | 6,5 | 210 | 155 | 8 | |
| 8714660 | 6,6 | 210 | 155 | 8 | |
| 8714670 | 6,7 | 210 | 155 | 8 | |
| 8714680 | 6,8 | 210 | 160 | 8 | |
| 8714690 | 6,9 | 210 | 160 | 8 | |
| 8714700 | 7 | 210 | 160 | 8 | |
| 8714710 | 7,1 | 230 | 170 | 8 | |

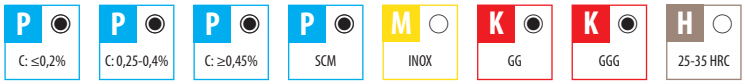
| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8714720 | 7,2 | 230 | 170 | 8 | |
| 8714730 | 7,3 | 230 | 170 | 8 | |
| 8714740 | 7,4 | 230 | 170 | 8 | |
| 8706750 | 7,5 | 230 | 170 | 8 | |
| 8714760 | 7,6 | 230 | 180 | 8 | |
| 8714770 | 7,7 | 230 | 180 | 8 | |
| 8714780 | 7,8 | 230 | 180 | 8 | |
| 8714790 | 7,9 | 230 | 180 | 8 | |
| 8706800 | 8 | 230 | 180 | 8 | |
| 8714810 | 8,1 | 260 | 195 | 10 | |
| 8714820 | 8,2 | 260 | 195 | 10 | |
| 8714830 | 8,3 | 260 | 195 | 10 | |
| 8714840 | 8,4 | 260 | 195 | 10 | |
| 8714850 | 8,5 | 260 | 195 | 10 | |
| 8714860 | 8,6 | 260 | 210 | 10 | |
| 8714870 | 8,7 | 260 | 210 | 10 | |
| 8714880 | 8,8 | 260 | 210 | 10 | |
| 8714890 | 8,9 | 260 | 210 | 10 | |
| 8714900 | 9 | 260 | 210 | 10 | |
| 8714910 | 9,1 | 290 | 220 | 10 | |
| 8714920 | 9,2 | 290 | 220 | 10 | |
| 8714930 | 9,3 | 290 | 220 | 10 | |
| 8714940 | 9,4 | 290 | 220 | 10 | |
| 8706950 | 9,5 | 290 | 220 | 10 | |
| 8714960 | 9,6 | 290 | 230 | 10 | |
| 8714970 | 9,7 | 290 | 230 | 10 | |
| 8714980 | 9,8 | 290 | 230 | 10 | |
| 8714990 | 9,9 | 290 | 230 | 10 | |
| 8707000 | 10 | 290 | 230 | 10 | |
| 8715010 | 10,1 | 310 | 250 | 12 | |
| 8715020 | 10,2 | 310 | 250 | 12 | |
| 8715030 | 10,3 | 310 | 250 | 12 | |
| 8715040 | 10,4 | 310 | 250 | 12 | |
| 8715050 | 10,5 | 310 | 250 | 12 | |
| 8715060 | 10,6 | 310 | 250 | 12 | |
| 8715070 | 10,7 | 310 | 250 | 12 | |
| 8715080 | 10,8 | 310 | 250 | 12 | |
| 8715090 | 10,9 | 310 | 250 | 12 | |
| 8715100 | 11 | 310 | 250 | 12 | |
| 8715110 | 11,1 | 330 | 270 | 12 | |
| 8715120 | 11,2 | 330 | 270 | 12 | |
| 8715130 | 11,3 | 330 | 270 | 12 | |

# **ADO-20D** NEW SIZE

**Drilling | Solid carbide | 20xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 20xD
- For general purpose steels and cast iron
- 93 sizess



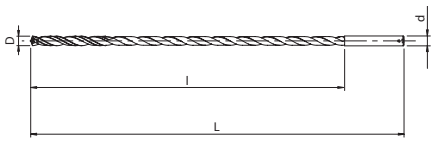
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8715140 | 11,4 | 330 | 270 | 12 | |
| 8715150 | 11,5 | 330 | 270 | 12 | |
| 8715160 | 11,6 | 330 | 270 | 12 | |
| 8715170 | 11,7 | 330 | 270 | 12 | |
| 8715180 | 11,8 | 330 | 270 | 12 | |
| 8715190 | 11,9 | 330 | 270 | 12 | |
| 8707200 | 12 | 330 | 270 | 12 | |
| 8715250 | 12,5 | 330 | 280 | 14 | |

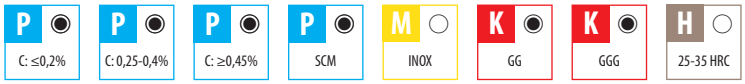
| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|

# ADO-25D NEW SIZE

**Drilling | Solid carbide | 25xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 25xD
- For general purpose steels and cast iron
- 92 sizes



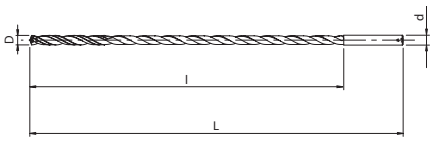
page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| NEW 48338325 | 2,5 | 121 | 70 | 3 | |
| 8726300 | 3 | 135 | 85 | 3 | |
| 8724310 | 3,1 | 165 | 95 | 4 | |
| 8724320 | 3,2 | 165 | 95 | 4 | |
| 8724330 | 3,3 | 165 | 95 | 4 | |
| 8724340 | 3,4 | 165 | 105 | 4 | |
| 8724350 | 3,5 | 165 | 105 | 4 | |
| 8724360 | 3,6 | 165 | 105 | 4 | |
| 8724370 | 3,7 | 165 | 105 | 4 | |
| 8724380 | 3,8 | 165 | 115 | 4 | |
| 8724390 | 3,9 | 165 | 115 | 4 | |
| 8724400 | 4 | 165 | 115 | 4 | |
| 8724410 | 4,1 | 190 | 120 | 6 | |
| 8724420 | 4,2 | 190 | 120 | 6 | |
| 8724430 | 4,3 | 190 | 135 | 6 | |
| 8724440 | 4,4 | 190 | 135 | 6 | |
| 8724450 | 4,5 | 190 | 135 | 6 | |
| 8724460 | 4,6 | 190 | 135 | 6 | |
| 8724470 | 4,7 | 190 | 135 | 6 | |
| 8724480 | 4,8 | 190 | 140 | 6 | |
| 8724490 | 4,9 | 190 | 140 | 6 | |
| 8724500 | 5 | 190 | 140 | 6 | |
| 8724510 | 5,1 | 220 | 150 | 6 | |
| 8724520 | 5,2 | 220 | 150 | 6 | |
| 8724530 | 5,3 | 220 | 150 | 6 | |
| 8724540 | 5,4 | 220 | 170 | 6 | |
| 8724550 | 5,5 | 220 | 170 | 6 | |
| 8724560 | 5,6 | 220 | 170 | 6 | |
| 8724570 | 5,7 | 220 | 170 | 6 | |
| 8724580 | 5,8 | 220 | 170 | 6 | |
| 8724590 | 5,9 | 220 | 170 | 6 | |
| 8724600 | 6 | 220 | 170 | 6 | |
| 8724610 | 6,1 | 250 | 190 | 8 | |
| 8724620 | 6,2 | 250 | 190 | 8 | |
| 8724630 | 6,3 | 250 | 190 | 8 | |
| 8724640 | 6,4 | 250 | 190 | 8 | |
| 8724650 | 6,5 | 250 | 190 | 8 | |
| 8724660 | 6,6 | 250 | 190 | 8 | |
| 8724670 | 6,7 | 250 | 190 | 8 | |
| 8724680 | 6,8 | 250 | 200 | 8 | |
| 8724690 | 6,9 | 250 | 200 | 8 | |
| 8724700 | 7 | 250 | 200 | 8 | |
| 8724710 | 7,1 | 275 | 210 | 8 | |
| 8724720 | 7,2 | 275 | 210 | 8 | |
| 8724730 | 7,3 | 275 | 210 | 8 | |
| 8724740 | 7,4 | 275 | 210 | 8 | |

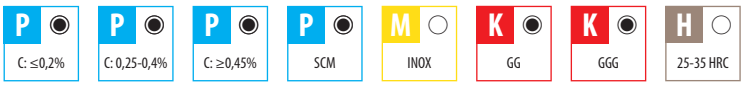
| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8724750 | 7,5 | 275 | 210 | 8 | |
| 8724760 | 7,6 | 275 | 225 | 8 | |
| 8724770 | 7,7 | 275 | 225 | 8 | |
| 8724780 | 7,8 | 275 | 225 | 8 | |
| 8724790 | 7,9 | 275 | 225 | 8 | |
| 8724800 | 8 | 275 | 225 | 8 | |
| 8724810 | 8,1 | 305 | 240 | 10 | |
| 8724820 | 8,2 | 305 | 240 | 10 | |
| 8724830 | 8,3 | 305 | 240 | 10 | |
| 8724840 | 8,4 | 305 | 240 | 10 | |
| 8724850 | 8,5 | 305 | 240 | 10 | |
| 8724860 | 8,6 | 305 | 255 | 10 | |
| 8724870 | 8,7 | 305 | 255 | 10 | |
| 8724880 | 8,8 | 305 | 255 | 10 | |
| 8724890 | 8,9 | 305 | 255 | 10 | |
| 8724900 | 9 | 305 | 255 | 10 | |
| 8724910 | 9,1 | 340 | 270 | 10 | |
| 8724920 | 9,2 | 340 | 270 | 10 | |
| 8724930 | 9,3 | 340 | 270 | 10 | |
| 8724940 | 9,4 | 340 | 270 | 10 | |
| 8724950 | 9,5 | 340 | 270 | 10 | |
| 8724960 | 9,6 | 340 | 280 | 10 | |
| 8724970 | 9,7 | 340 | 280 | 10 | |
| 8724980 | 9,8 | 340 | 280 | 10 | |
| 8724990 | 9,9 | 340 | 280 | 10 | |
| 8725000 | 10 | 340 | 280 | 10 | |
| 8725010 | 10,1 | 370 | 310 | 12 | |
| 8725020 | 10,2 | 370 | 310 | 12 | |
| 8725030 | 10,3 | 370 | 310 | 12 | |
| 8725040 | 10,4 | 370 | 310 | 12 | |
| 8725050 | 10,5 | 370 | 310 | 12 | |
| 8725060 | 10,6 | 370 | 310 | 12 | |
| 8725070 | 10,7 | 370 | 310 | 12 | |
| 8725080 | 10,8 | 370 | 310 | 12 | |
| 8725090 | 10,9 | 370 | 310 | 12 | |
| 8725100 | 11 | 370 | 310 | 12 | |
| 8725110 | 11,1 | 400 | 340 | 12 | |
| 8725120 | 11,2 | 400 | 340 | 12 | |
| 8725130 | 11,3 | 400 | 340 | 12 | |
| 8725140 | 11,4 | 400 | 340 | 12 | |
| 8725150 | 11,5 | 400 | 340 | 12 | |
| 8725160 | 11,6 | 400 | 340 | 12 | |
| 8725170 | 11,7 | 400 | 340 | 12 | |
| 8725180 | 11,8 | 400 | 340 | 12 | |
| 8725190 | 11,9 | 400 | 340 | 12 | |
| 8725200 | 12 | 400 | 340 | 12 | |

# **ADO-30D** NEW SIZE

**Drilling | Solid carbide | 30xD**




- First choice in quality and performance
- Carbide drill with internal coolant, EgiAs coating
- Double margin, up to 30xD
- For general purpose steels and cast iron
- 72 sizes



page 27

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| NEW 48338425 | 2,5 | 134 | 83 | 3 | |
| 8708300 | 3 | 150 | 100 | 3 | |
| 8708310 | 3,1 | 185 | 102 | 4 | |
| 8708320 | 3,2 | 185 | 105 | 4 | |
| 8708330 | 3,3 | 185 | 109 | 4 | |
| 8708340 | 3,4 | 185 | 112 | 4 | |
| 8708350 | 3,5 | 185 | 116 | 4 | |
| 8708360 | 3,6 | 185 | 116 | 4 | |
| 8708370 | 3,7 | 185 | 116 | 4 | |
| 8708380 | 3,8 | 185 | 132 | 4 | |
| 8708390 | 3,9 | 185 | 132 | 4 | |
| 8708400 | 4 | 185 | 132 | 4 | |
| 8716410 | 4,1 | 215 | 140 | 6 | |
| 8716420 | 4,2 | 215 | 140 | 6 | |
| 8716430 | 4,3 | 215 | 150 | 6 | |
| 8716440 | 4,4 | 215 | 150 | 6 | |
| 8716450 | 4,5 | 215 | 150 | 6 | |
| 8716460 | 4,6 | 215 | 150 | 6 | |
| 8716470 | 4,7 | 215 | 150 | 6 | |
| 8716480 | 4,8 | 215 | 165 | 6 | |
| 8716490 | 4,9 | 215 | 165 | 6 | |
| 8716500 | 5 | 215 | 165 | 6 | |
| 8716510 | 5,1 | 250 | 180 | 6 | |
| 8716520 | 5,2 | 250 | 180 | 6 | |
| 8716530 | 5,3 | 250 | 180 | 6 | |
| 8716540 | 5,4 | 250 | 200 | 6 | |
| 8708550 | 5,5 | 250 | 200 | 6 | |
| 8716560 | 5,6 | 250 | 200 | 6 | |
| 8716570 | 5,7 | 250 | 200 | 6 | |
| 8716580 | 5,8 | 250 | 200 | 6 | |
| 8716590 | 5,9 | 250 | 200 | 6 | |
| 8708600 | 6 | 250 | 200 | 6 | |
| 8716610 | 6,1 | 280 | 215 | 8 | |
| 8716620 | 6,2 | 280 | 215 | 8 | |
| 8716630 | 6,3 | 280 | 215 | 8 | |
| 8716640 | 6,4 | 280 | 215 | 8 | |
| 8716650 | 6,5 | 280 | 215 | 8 | |
| 8716660 | 6,6 | 280 | 215 | 8 | |
| 8716670 | 6,7 | 280 | 215 | 8 | |
| 8716680 | 6,8 | 280 | 230 | 8 | |
| 8716690 | 6,9 | 280 | 230 | 8 | |
| 8716700 | 7 | 280 | 230 | 8 | |
| 8716710 | 7,1 | 315 | 250 | 8 | |
| 8716720 | 7,2 | 315 | 250 | 8 | |
| 8716730 | 7,3 | 315 | 250 | 8 | |

| EDP | D | L | l | d | Price |
|---|---|---|---|---|---|
| 8716740 | 7,4 | 315 | 250 | 8 | |
| 8708750 | 7,5 | 315 | 250 | 8 | |
| 8716760 | 7,6 | 315 | 265 | 8 | |
| 8716770 | 7,7 | 315 | 265 | 8 | |
| 8716780 | 7,8 | 315 | 265 | 8 | |
| 8716790 | 7,9 | 315 | 265 | 8 | |
| 8708800 | 8 | 315 | 265 | 8 | |
| 8716810 | 8,1 | 350 | 280 | 10 | |
| 8716820 | 8,2 | 350 | 280 | 10 | |
| 8716830 | 8,3 | 350 | 280 | 10 | |
| 8716840 | 8,4 | 350 | 280 | 10 | |
| 8716850 | 8,5 | 350 | 280 | 10 | |
| 8716860 | 8,6 | 350 | 300 | 10 | |
| 8716870 | 8,7 | 350 | 300 | 10 | |
| 8716880 | 8,8 | 350 | 300 | 10 | |
| 8716890 | 8,9 | 350 | 300 | 10 | |
| 8716900 | 9 | 350 | 300 | 10 | |
| 8716910 | 9,1 | 390 | 315 | 10 | |
| 8716920 | 9,2 | 390 | 315 | 10 | |
| 8716930 | 9,3 | 390 | 315 | 10 | |
| 8716940 | 9,4 | 390 | 315 | 10 | |
| 8708950 | 9,5 | 390 | 315 | 10 | |
| 8716960 | 9,6 | 390 | 330 | 10 | |
| 8716970 | 9,7 | 390 | 330 | 10 | |
| 8716980 | 9,8 | 390 | 330 | 10 | |
| 8716990 | 9,9 | 390 | 330 | 10 | |
| 8709000 | 10 | 390 | 330 | 10 | |

# CUTTING CONDITIONS

**Drilling | Solid | Cutting conditions**

## AD-2D/AD-4D

**Standard drilling**

| | C<0,35% (C<0,35%) St40 • SCM ~710 N/mm2 | | C<0,35% (C≥0,35%) CK50 ~1060 N/mm2 | | Special Alloy SUJ2 | | SUS Serie SUS300 Serie SUS400 | | Hardened Steel SKD61 43 HRC | | Hardened Steel 43 ~ 48 HRC | | GG GG25 ~ 350 N/mm² | | GGG GGG40 ~ 500 N/mm² | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vc | 63 ~ 100 m/min | | 63 ~ 100 m/min | | 50 ~ 71 m/min | | 25 ~ 40 m/min | | 40 ~ 63 m/min | | 32 ~ 45 m/min | | 63 ~ 100 m/min | | 50 ~ 80 m/min | |
| Ø | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) |
| 2 | 11.000 | 0,06~0,08 | 11.000 | 0,06~0,08 | 9.000 | 0,06~0,08 | 4.700 | 0,06~0,08 | 7.600 | 0,06~0,08 | 6.000 | 0,06~0,08 | 12.000 | 0,06~0,08 | 10.000 | 0,06~0,08 |
| 3 | 8.000 | 0,09~0,12 | 8.000 | 0,09~0,12 | 6.000 | 0,09~0,12 | 3.200 | 0,09~0,12 | 5.000 | 0,09~0,12 | 4.000 | 0,09~0,12 | 8.000 | 0,09~0,12 | 6.900 | 0,09~0,12 |
| 4 | 6.300 | 0,10~0,15 | 6.300 | 0,10~0,15 | 4.750 | 0,10~0,15 | 2.400 | 0,10~0,15 | 3.800 | 0,10~0,15 | 3.000 | 0,10~0,15 | 6.300 | 0,10~0,15 | 5.200 | 0,10~0,15 |
| 5 | 5.000 | 0,12~0,18 | 5.000 | 0,12~0,18 | 3.800 | 0,12~0,18 | 1.900 | 0,12~0,18 | 3.000 | 0,12~0,18 | 2.450 | 0,12~0,18 | 5.000 | 0,12~0,18 | 4.100 | 0,12~0,18 |
| 6 | 4.200 | 0,14~0,20 | 4.200 | 0,14~0,20 | 3.200 | 0,14~0,20 | 1.600 | 0,14~0,20 | 2.550 | 0,14~0,20 | 2.050 | 0,14~0,20 | 4.200 | 0,14~0,20 | 3.450 | 0,14~0,20 |
| 8 | 3.200 | 0,16~0,24 | 3.200 | 0,16~0,24 | 2.400 | 0,16~0,24 | 1.200 | 0,16~0,24 | 1.900 | 0,16~0,24 | 1.550 | 0,16~0,24 | 3.200 | 0,16~0,24 | 2.600 | 0,16~0,24 |
| 10 | 2.550 | 0,18~0,27 | 2.550 | 0,18~0,27 | 1.900 | 0,18~0,27 | 950 | 0,18~0,27 | 1.550 | 0,18~0,27 | 1.250 | 0,18~0,27 | 2.600 | 0,18~0,27 | 2.100 | 0,18~0,27 |
| 12 | 2.100 | 0,20~0,30 | 2.100 | 0,20~0,30 | 1.600 | 0,20~0,30 | 800 | 0,20~0,30 | 1.300 | 0,20~0,30 | 1.050 | 0,20~0,30 | 2.200 | 0,20~0,30 | 1.750 | 0,20~0,30 |
| 14 | 1.800 | 0,22~0,35 | 1.800 | 0,22~0,35 | 1.350 | 0,22~0,35 | 700 | 0,22~0,35 | 1.100 | 0,22~0,35 | 880 | 0,22~0,35 | 1.800 | 0,22~0,35 | 1.500 | 0,22~0,35 |
| 16 | 1.600 | 0,25~0,36 | 1.600 | 0,25~0,36 | 1.200 | 0,25~0,36 | 600 | 0,25~0,36 | 950 | 0,25~0,36 | 770 | 0,25~0,36 | 1.600 | 0,25~0,36 | 1.300 | 0,25~0,36 |
| 18 | 1.400 | 0,28~0,38 | 1.400 | 0,28~0,38 | 1.050 | 0,28~0,38 | 530 | 0,28~0,38 | 850 | 0,28~0,38 | 680 | 0,28~0,38 | 1.400 | 0,28~0,38 | 1.200 | 0,28~0,38 |
| 20 | 1.300 | 0,30~0,40 | 1.300 | 0,30~0,40 | 960 | 0,30~0,40 | 480 | 0,30~0,40 | 760 | 0,30~0,40 | 610 | 0,30~0,40 | 1.300 | 0,30~0,40 | 1.050 | 0,30~0,40 |

## ADO-3D/5D/ADO-PLT

| | Carbon Steel S50C | | Alloy Steel SCM440 | | Alloy Steel SCM440 • 30HRC | | Cast Iron FC250 | | Ductile Cast IRON FCD700 | | Stainless Steel SUS304 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vc | 80 ~ 120 m/min | | 80 ~ 120 m/min | | 60 ~ 90 m/min | | 80 ~ 120 m/min | | 60 ~ 100 m/min | | 40 ~ 70 m/min | |
| Ø | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) |
| 2 | 12.700 | 0,04~0,08 | 12.700 | 0,04~0,08 | 11.100 | 0,04~0,08 | 12.700 | 0,04~0,08 | 12.700 | 0,04~0,08 | 9.500 | 0,04~0,08 |
| 3 | 10.600 | 0,06~0,12 | 10.600 | 0,06~0,12 | 7.400 | 0,06~0,12 | 10.600 | 0,06~0,12 | 8.500 | 0,06~0,12 | 6.400 | 0,06~0,12 |
| 4 | 8.000 | 0,08~0,16 | 8.000 | 0,08~0,16 | 5.600 | 0,08~0,16 | 8.000 | 0,08~0,16 | 6.400 | 0,08~0,16 | 4.800 | 0,08~0,16 |
| 5 | 6.400 | 0,10~0,20 | 6.400 | 0,10~0,20 | 4.500 | 0,10~0,20 | 6.400 | 0,10~0,20 | 5.100 | 0,10~0,20 | 3.800 | 0,10~0,20 |
| 6 | 5.300 | 0,12~0,24 | 5.300 | 0,12~0,24 | 3.700 | 0,12~0,24 | 5.300 | 0,12~0,24 | 4.200 | 0,12~0,24 | 3.200 | 0,12~0,24 |
| 7 | 4.500 | 0,14~0,26 | 4.500 | 0,14~0,26 | 3.200 | 0,14~0,26 | 4.500 | 0,14~0,26 | 3.600 | 0,14~0,26 | 2.700 | 0,14~0,26 |
| 8 | 4.000 | 0,16~0,28 | 4.000 | 0,16~0,28 | 2.800 | 0,16~0,28 | 4.000 | 0,16~0,28 | 3.200 | 0,16~0,28 | 2.400 | 0,16~0,28 |
| 9 | 3.500 | 0,18~0,30 | 3.500 | 0,18~0,30 | 2.500 | 0,18~0,30 | 3.500 | 0,18~0,30 | 2.800 | 0,18~0,30 | 2.100 | 0,18~0,30 |
| 10 | 3.200 | 0,20~0,30 | 3.200 | 0,20~0,30 | 2.200 | 0,20~0,30 | 3.200 | 0,20~0,30 | 2.500 | 0,20~0,30 | 1.900 | 0,20~0,30 |
| 11 | 2.900 | 0,20~0,30 | 2.900 | 0,20~0,30 | 2.000 | 0,20~0,30 | 2.900 | 0,20~0,30 | 2.300 | 0,20~0,30 | 1.700 | 0,20~0,30 |
| 12 | 2.700 | 0,21~0,30 | 2.700 | 0,21~0,30 | 1.900 | 0,21~0,30 | 2.700 | 0,21~0,30 | 2.100 | 0,21~0,30 | 1.600 | 0,21~0,30 |
| 13 | 2.400 | 0,21~0,33 | 2.400 | 0,21~0,33 | 1.700 | 0,21~0,33 | 2.400 | 0,21~0,33 | 2.000 | 0,21~0,33 | 1.500 | 0,21~0,33 |
| 14 | 2.300 | 0,22~0,35 | 2.300 | 0,22~0,35 | 1.600 | 0,22~0,35 | 2.300 | 0,22~0,35 | 1.800 | 0,22~0,35 | 1.400 | 0,22~0,35 |
| 16 | 2.000 | 0,25~0,36 | 2.000 | 0,25~0,36 | 1.400 | 0,25~0,36 | 2.000 | 0,25~0,36 | 1.600 | 0,25~0,36 | 1.200 | 0,25~0,36 |
| 18 | 1.800 | 0,28~0,38 | 1.800 | 0,28~0,38 | 1.200 | 0,28~0,38 | 1.800 | 0,28~0,38 | 1.400 | 0,28~0,38 | 1.100 | 0,28~0,38 |
| 20 | 1.600 | 0,30~0,40 | 1.600 | 0,30~0,40 | 1.100 | 0,30~0,40 | 1.600 | 0,30~0,40 | 1.300 | 0,30~0,40 | 1.000 | 0,30~0,40 |

## ADO-10D/15D/20D/25D/30D

| | Mild Steel - Low Carbon Steel SS400 • S10C ~150HB ~500 N/mm² | | Carbon Steel S35C • S50C ~210HB ~710 N/mm² | | Alloys Steel SCM • SCr • SNCM 16~28HRC 710~900 N/mm² | | Cast Iron FC250 ~350 N/mm² | | Ductile Cast Iron FCD450 • FCD600 400~600 N/mm² | | Stainless Steel SUS400 400 ~ 800 N/mm² | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vc | 60 ~ 125 m/min | | 60 ~ 125 m/min | | 60 ~ 125 m/min | | 60 ~ 125 m/min | | 50 ~ 80 m/min | | 40 ~ 80 m/min | |
| Ø | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) | S (min⁻¹) | F (mm/rev.) |
| 3 | 7.500 | 0,06 ~ 0,12 | 7.500 | 0,06 ~ 0,12 | 7.500 | 0,06 ~ 0,12 | 7.500 | 0,06 ~ 0,12 | 7.500 | 0,06 ~ 0,12 | 5.300 | 0,06 ~ 0,12 |
| 4 | 6.400 | 0,08 ~ 0,16 | 6.400 | 0,08 ~ 0,16 | 6.400 | 0,08 ~ 0,16 | 6.400 | 0,08 ~ 0,16 | 5.600 | 0,08 ~ 0,16 | 5.000 | 0,08 ~ 0,16 |
| 5 | 5.800 | 0,10 ~ 0,20 | 5.800 | 0,10 ~ 0,20 | 5.800 | 0,10 ~ 0,20 | 5.800 | 0,10 ~ 0,20 | 4.500 | 0,10 ~ 0,20 | 4.500 | 0,10 ~ 0,20 |
| 6 | 4.800 | 0,12 ~ 0,24 | 4.800 | 0,12 ~ 0,24 | 4.800 | 0,12 ~ 0,24 | 4.800 | 0,12 ~ 0,24 | 3.800 | 0,12 ~ 0,24 | 3.800 | 0,12 ~ 0,24 |
| 8 | 3.600 | 0,16 ~ 0,28 | 3.600 | 0,16 ~ 0,28 | 3.600 | 0,16 ~ 0,28 | 3.600 | 0,16 ~ 0,28 | 2.800 | 0,16 ~ 0,28 | 2.800 | 0,16 ~ 0,28 |
| 10 | 2.900 | 0,20 ~ 0,35 | 2.900 | 0,20 ~ 0,35 | 2.900 | 0,20 ~ 0,35 | 2.900 | 0,20 ~ 0,35 | 2.300 | 0,20 ~ 0,35 | 2.300 | 0,20 ~ 0,35 |
| 12 | 2.400 | 0,24 ~ 0,42 | 2.400 | 0,24 ~ 0,42 | 2.400 | 0,24 ~ 0,42 | 2.400 | 0,24 ~ 0,42 | 1.900 | 0,24 ~ 0,42 | 1.900 | 0,24 ~ 0,42 |

*shaping your dreams*


**OSG EUROPE LOGISTICS**
Avenue Lavoisier 1
B-1300 Z.I. Wavre - Nord - Belgium
Tel: +32 10 23 05 07
Fax: +32 10 23 05 51
info@osgeurope.com

**OSG BELUX**
Avenue Lavoisier 1
B-1300 Z.I. Wavre - Nord - Belgium
Tel: +32 10 23 05 11
Fax: +32 10 23 05 31
info@osg-belgium.com

**OSG FRANCE**
Parc Icade, Paris Nord 2
Immeuble "Le Rimbaud"
22 Avenue des Nations
CS66191 - 93420 Villepinte - France
Tel: +33 1 49 90 10 10
Fax: +33 1 49 90 10 15
sales@osg-france.com

**OSG NETHERLANDS**
Bedrijfsweg 5 - 3481 MG Harmelen
Tel: +31 348 44 2764
Fax: +31 348 44 2144
info@osg-nl.com

**OSG UK**
Shelton house, 5 Bentalls
Pipps Hill Ind Est, Basildon Essex SS14 3BY
Tel: +44 1268 567 660
Fax: +44 1268 567 661
sales@osg-uk.com

**CZECH, SLOVAKIA, HUNGARY**
OSG Europe Logistics S.A.
Slovakia organizacna zlozka
Racianská 22/A, SK-83102 Bratislava
Slovakia
Tel. +421 24 32 91 295
Orders-osgsvk@osgeurope.com

**OSG POLAND Sp. z.o.o.**
Spółdzielcza 57
05-074 Halinów - Poland
Tel: +22 760 82 71
Fax: +22 760 82 71
osg@osg-poland.com

**OSG GERMANY**
Karl-Ehmann-Str. 25
D - 73037 Göppingen - Germany
Tel: +49 7161 6064 - 0
Fax: +49 7161 6064 - 444
info@osg-germany.de

**OSG SCANDINAVIA**
(For Scandinavian countries)
Langebjergvaenget 16
4000 Roskilde - Denmark
Tel: +45 46 75 65 55
Fax: +45 46 75 67 00
osg@osg-scandinavia.com

**SWEDEN**
Branch office of OSG SCANDINAVIA
Abrahams Gränd 8
295 35 Bromölla - Sweden
Tel: +46 40 41 22 55
Fax: +46 40 41 32 55
osg@osg-scandinavia.com

**OSG IBERICA**
Bekolarra 4
E - 01010 Vitoria-Gasteiz - Spain
Tel: +34 945 242 400
Fax: +34 945 228 883
osg.iberica@osg-ib.com

**RUSSIA**
Butlerova street, 17B, office 5069
117342 Moscow - Russia
Tel: +7 (495) 150 41 54
info@osg-russia.com

**OSG TURKEY**
Rami Kişla Cad.No:56 Eyüp
Istanbul 34056 - Turkey
Tel+90 212 565 24 00
Fax: +90 212 565 44 00
info@osg-turkey.com

**ROMSAN INTERNATIONAL CO. SRL**
**Reprezentant Exclusiv OSG**
Bucharest Magurele Road Nr. 25C
051431 Bucuresti, District 5 - România
Tel: +40 21 322 07 47
Fax: +40 21 321 56 00
romsan.int@romsan.ro

**AUSTRIA**
Branch office of OSG GERMANY
Messestraße 11
A-6850 Dornbirn
Tel: +49 7161 6064-0
Fax: + 49 7161 6064-444
info@osg-germany.de

**OSG ITALIA**
Via Ferrero, 65 A/B
I - 10098 Rivoli - Italy
Tel: +39 0117705211
Fax: +39 0117705215
info@osg-italia.it

**Vischer & Bolli AG**
Machining and Workholding
Im Schossacher 17
CH-8600 Dübendorf
T +41 44 802 15 15
F +41 44 802 15 95
info@vb-tools.com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