



REAMING & COUNTERSINKING



Countersinks

Form	Type	Tool material	Surface	Standard	Diameter range (mm)	Catalog no.	Discount group	Standard range, page
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Countersinks 60°



C

HSS

bright

DIN 334

6,300 - 25,000

72326

105

744



C

HSS

TiN

DIN 334

6,300 - 25,000

62327

105

744

Countersinks 90°



C

HSS

bright

DIN 335

4,300 - 31,000

72346

105

745



C

HSS

TiN

DIN 335

4,300 - 25,000

62347

105

745



D

HSS

bright

DIN 335

20,500 - 80,000

72356

105

747

Countersink sets 90°

C

HSS

bright

DIN 335

6,300 - 20,500

72399

105

748

C

HSS

TiN

DIN 335

6,300 - 20,500

62399

105

748

Counterbores with fixed pilot for fine tolerances



HSS

bright

DIN 373

6,000 - 20,000

72304

105

749

Counterbores with fixed pilot for med. tolerances



HSS

bright

DIN 373

6,000 - 18,000

72305

105

750

Countersinks

Countersinks 60°

Catalog no. 72326



For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/de-burring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.

DIN 334

Tool material	HSS
Surface	bright
Form	C

Flute form: straight
Relief: axial, radial

Countersinks 60°

Catalog no. 62327

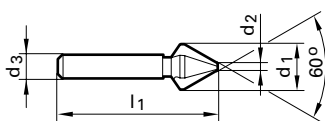


For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/de-burring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.

DIN 334

Tool material	HSS
Surface	TiN
Form	C

Flute form: straight
Relief: axial, radial



Catalog no.	72326	62327
Tool material	HSS	HSS
Discount group	105	105
Surface	bright	TiN
Form	C	C

d1	d2	d3	l1	Z	price per piece
mm	mm	mm	mm		
6.300	1.600	5.000	45.00	3	● ○
8.000	2.000	6.000	50.00	3	● ○
12.500	3.200	8.000	56.00	3	● ○
16.000	4.000	10.000	63.00	3	● ○
20.000	5.000	10.000	67.00	3	● ○
25.000	6.300	10.000	71.00	3	● ○

Countersinks

Countersinks 90°

Catalog no. 72346



For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/de-burring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.

DIN 335

Tool material	HSS
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Surface	bright
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Form	C
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Flute form: straight
Relief: axial, radial

Countersinks 90°

Catalog no. 62347



For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/de-burring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.

DIN 335

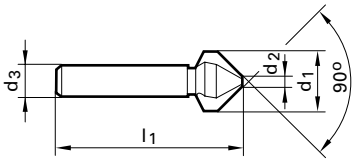
Tool material	HSS
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Surface	TIN
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Form	C
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Flute form: straight
Relief: axial, radial

Countersinks 90°



Catalog no.	72346	62347
Tool material	HSS	
Discount group	105	105
Surface	bright	TiN
Form	C	C

d1	d2	d3	l1	Z	price per piece	
mm	mm	mm	mm			
4.300	1.300	4.000	40.00	3	●	○
5.000	1.500	4.000	40.00	3	●	
5.300	1.500	4.000	40.00	3	●	
5.800	1.500	5.000	45.00	3	●	
6.000	1.500	5.000	45.00	3	●	
6.300	1.500	5.000	45.00	3	●	●
7.000	1.800	6.000	50.00	3	●	
7.300	1.800	6.000	50.00	3	●	○
8.000	2.000	6.000	50.00	3	●	●
8.300	2.000	6.000	50.00	3	●	●
9.400	2.200	6.000	50.00	3	●	●
10.000	2.500	6.000	50.00	3	●	●
10.400	2.500	6.000	50.00	3	●	●
11.500	2.800	8.000	56.00	3	●	●
12.400	2.800	8.000	56.00	3	●	●
13.400	2.900	8.000	56.00	3	●	●
15.000	3.200	10.000	60.00	3	●	●
16.500	3.200	10.000	60.00	3	●	●
19.000	3.500	10.000	63.00	3	●	●
20.500	3.500	10.000	63.00	3	●	●
23.000	3.800	10.000	67.00	3	●	
25.000	3.800	10.000	67.00	3	●	●
26.000	3.800	10.000	67.00	3	●	
28.000	4.000	12.000	71.00	3	●	
30.000	4.200	12.000	71.00	3	●	
31.000	4.200	12.000	71.00	3	●	



Countersinks

Countersinks 90°

DIN 335

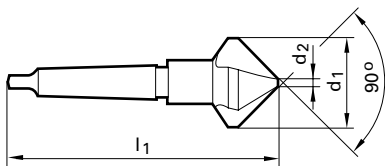
Catalog no. 72356



For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/de-burring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.

Tool material	HSS
Surface	bright
Form	D

Flute form: straight
Relief: axial, radial



Catalog no.	72356
Tool material	HSS
Discount group	105
Surface	bright
Form	D

d1 mm	MT	d2 mm	l1 mm	Z	price per piece
20.500	2	3.500	100.00	3	●
25.000	2	3.800	106.00	3	●
30.000	2	4.200	112.00	3	●
31.000	2	4.200	112.00	3	●
34.000	2	4.500	118.00	3	●
37.000	2	4.800	118.00	3	●
40.000	3	10.000	140.00	3	●
50.000	3	14.000	150.00	3	●
63.000	4	16.000	180.00	3	●
80.000	4	22.000	190.00	3	●

Countersinks

Countersink sets 90°

Catalog no. 72399

Set in case, consisting of Ø 6,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5 mm.

For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/deburring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.



DIN 335

Tool material	HSS
Surface	bright
Form	C

Countersink sets 90°

Catalog no. 62399

Set in case, consisting of Ø 6,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5 mm.

For all ferrous and non-ferrous metals as well as for hard and soft plastics. General purpose chamfering/deburring and countersinking tool, e.g. for tapping size holes. These countersinks are especially suited for their „chatter-free“ operation and are easy to re-sharpen.



DIN 335

Tool material	HSS
Surface	TiN
Form	C

	Catalog no. 72399	62399
Catalog no.	72399	62399
Tool material	HSS	
Discount group	105	105
Surface	bright	TiN
Form	C	C
Code no.	8.000	
Price per set	●	●

Countersinks

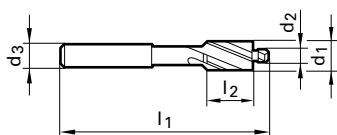
Counterbores with fixed pilot for fine tolerances

DIN 373
Catalog no. 72304


For clearance holes to DIN ISO 273, in all ferrous and non-ferrous metals, in soft and hard plastics. For small batch or mass production as well as for tool/ die making.

Tool material	HSS
Surface	bright
Form	

Helix angle: standard
Flute form: RH spiral



Catalog no.	72304
Tool material	HSS
Discount group	105
Surface	bright
Form	

d1	d2	d3	l1	l2	Z	thread	price per piece
mm	mm	mm	mm	mm			
6.000	3.200	5.000	71.00	14.00	3	M 3	●
8.000	4.300	5.000	71.00	14.00	3	M 4	●
10.000	5.300	8.000	80.00	18.00	3	M 5	●
11.000	6.400	8.000	80.00	18.00	3	M 6	●
15.000	8.400	12.500	100.00	22.00	3	M 8	●
18.000	10.500	12.500	100.00	22.00	3	M10	●
20.000	13.000	12.500	100.00	22.00	3	M12	●

Countersinks

Counterbores with fixed pilot for med. tolerances

DIN 373

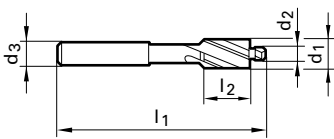
Catalog no. 72305



For clearance holes to DIN ISO 273, in all ferrous and non-ferrous metals, in soft and hard plastics. For small batch or mass production as well as for tool/ die making.

Tool material	HSS
Surface	bright
Form	

Helix angle: standard
Flute form: RH spiral



Catalog no.	72305
Tool material	HSS
Discount group	105
Surface	bright
Form	

d1	d2	d3	l1	l2	Z	thread	price per piece
mm	mm	mm	mm	mm			
6.000	3.400	5.000	71.00	14.00	3	M 3	●
8.000	4.500	5.000	71.00	14.00	3	M 4	●
10.000	5.500	8.000	80.00	18.00	3	M 5	●
11.000	6.600	8.000	80.00	18.00	3	M 6	●
15.000	9.000	12.500	100.00	22.00	3	M 8	●
18.000	11.000	12.500	100.00	22.00	3	M10	●