



## Center drills DIN 333 type A, HSS ground



- ◆ Type A HSS Center Drills are designed to produce accurate center holes in components which require machining between centers.
- ◆ Spiral Flute, right hand, 60° included angle.
- ◆ Left hand, 82° & 90° included angle are available.
- ◆ Milled, Fully Ground are available.

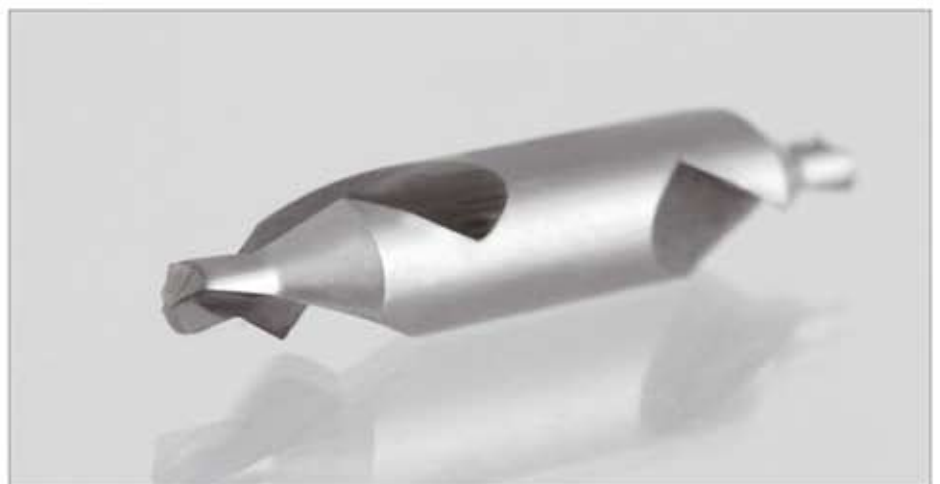
Package: Individual packed in plastic box.

steel (N/mm <sup>2</sup> )			stainless steel	aluminium	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●			○	○	○	○	●	

● Main application      ○ Other application

Ø mm	L <sub>1</sub> mm	Ø <sub>2</sub> mm	Code
1.00	31.5	3.15	97120100
1.25	31.5	3.15	97120125
1.60	35.5	4	97120160
2.00	40	5	97120200
2.50	45	6.3	97120250
3.15	50	8	97120315
4.00	56	10	97120400
5.00	63	12.5	97120500
6.30	71	16	97120630
8.00	80	20	97120800
10.00	100	25	97121000
12.50	125	31.5	97121250

Ø mm	L <sub>1</sub> mm	Ø <sub>2</sub> mm	Code
1.00	120	3.15	97130100
1.60	120	4	97130160
2.00	120	5	97130200
2.50	120	6.3	97130250
3.15	120	8	97130315
4.00	120	10	97130400
5.00	120	12.5	97130500





## Center drills DIN 333 type B, HSS ground



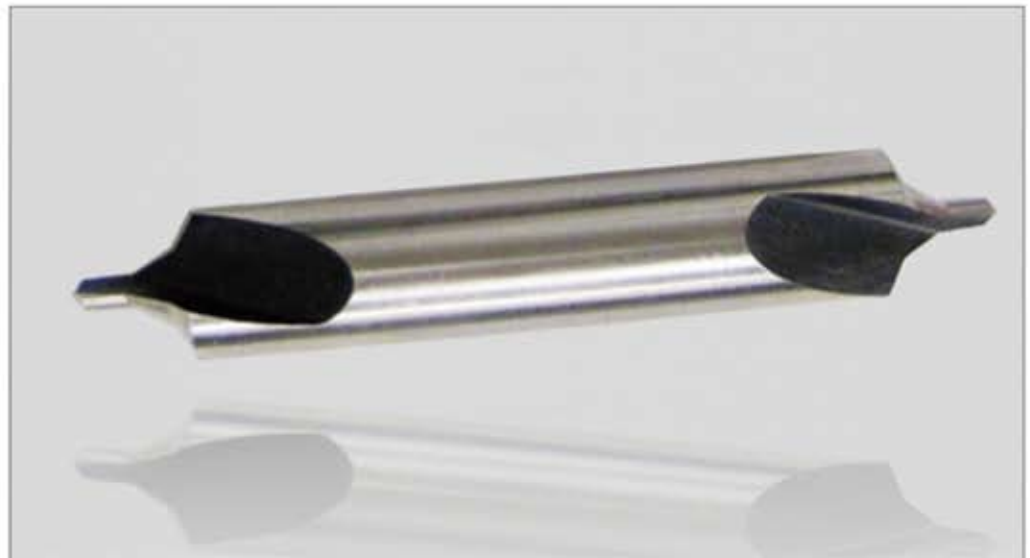
- ◆ Type B HSS Center Drills are designed with an additional small 120° chamfer to protect the edges of the 60° hole.
- ◆ Spiral Flute, right hand, 120° angle.
- ◆ Milled, Fully Ground are available.

Package: Individual packed in plastic box.

steel (N/mm <sup>2</sup> )			stainless steel	aluminium	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●			○	○	○	○	●	

● Main application      ○ Other application

Ø mm	L <sub>1</sub> mm	Ø <sub>2</sub> mm	Code
1.00	35.5	4	97140100
1.25	40	5	97140125
1.60	45	6.3	97140160
2.00	50	8	97140200
2.50	56	10	97140250
3.15	60	11.2	97140315
4.00	67	14	97140400
5.00	75	18	97140500
6.30	80	20	97140630





## Center drills DIN 333 type R, HSS ground



- ◆ Type R HSS Center Drills are designed to reduce the bearing of the center hole and provide a protected centering seat while reducing the risk of breakage.
- ◆ Spiral Flute, right hand.
- ◆ Milled, Fully Ground are available.

Package: Individual packed in plastic box.

steel (N/mm <sup>2</sup> )			stainless steel	aluminium	brass	bronze	plastics	cast iron	titanium alloyed
< 900	< 1100	< 1300							
●	●			○	○	○	○	●	

● Main application      ○ Other application

Ø mm	L <sub>1</sub> mm	Ø <sub>2</sub> mm	Code
1.00	31.5	3.15	97150100
1.25	31.5	3.15	97150125
1.60	35.5	4	97150160
2.00	40	5	97150200
2.50	45	6.3	97150250
3.15	50	8	97150315
4.00	56	10	97150400
5.00	63	12.5	97150500
6.30	71	16	97150630

