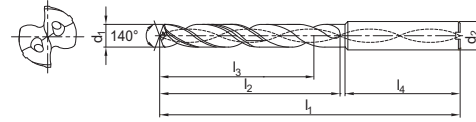


SL(K) drill 20xD **General machining** Add K (SLK) to the code for use on Cast Iron

1588SL20C



- Type of shank DIN 6535HA
- Coolant exit, axial concentric



Article	*	Dimensions [mm]						Grade
		d ₁ (m7)	d ₂ (h6)	l ₁	l ₂	l ₃	l ₄	KDG303
1588SL20C-0300	*	3	6	110	70	62	36	●
1588SL20C-0310	*	3.1	6	123	83	72	36	●
1588SL20C-0320	*	3.2	6	123	83	72	36	●
1588SL20C-0330	*	3.3	6	123	83	72	36	●
1588SL20C-0340	*	3.4	6	123	83	72	36	●
1588SL20C-0350	*	3.5	6	123	83	72	36	●
1588SL20C-0360	*	3.6	6	136	96	84	36	●
1588SL20C-0370	*	3.7	6	136	96	84	36	●
1588SL20C-0380	*	3.8	6	136	96	84	36	●
1588SL20C-0390	*	3.9	6	136	96	84	36	●
1588SL20C-0400	*	4	6	136	96	84	36	●
1588SL20C-0410	*	4.1	6	148	108	96	36	●
1588SL20C-0420	*	4.2	6	148	108	96	36	●
1588SL20C-0430	*	4.3	6	148	108	96	36	○
1588SL20C-0440	*	4.4	6	148	108	96	36	○
1588SL20C-0450	*	4.5	6	148	108	96	36	●
1588SL20C-0460	*	4.6	6	158	118	106	36	○
1588SL20C-0470	*	4.7	6	158	118	106	36	○
1588SL20C-0480	*	4.8	6	158	118	106	36	●
1588SL20C-0490	*	4.9	6	158	118	106	36	○
1588SL20C-0500	*	5	6	158	118	106	36	●
1588SL20C-0510	*	5.1	6	168	128	116	36	○
1588SL20C-0520	*	5.2	6	168	128	116	36	●
1588SL20C-0530	*	5.3	6	168	128	116	36	●
1588SL20C-0540	*	5.4	6	168	128	116	36	●
1588SL20C-0550	*	5.5	6	168	128	116	36	●
1588SL20C-0560	*	5.6	6	180	140	126	36	○
1588SL20C-0570	*	5.7	6	180	140	126	36	○
1588SL20C-0580	*	5.8	6	180	140	126	36	●
1588SL20C-0590	*	5.9	6	180	140	126	36	○
1588SL20C-0600	*	6	6	180	140	126	36	●
1588SL20C-0610	*	6.1	8	192	150	132	36	○
1588SL20C-0620	*	6.2	8	192	150	132	36	○
1588SL20C-0630	*	6.3	8	192	150	132	36	●
1588SL20C-0640	*	6.4	8	192	150	132	36	○

● Ex stock ○ On demand

All articles SLK on demand

* With internal cooling

Application field						
Type	P	M	K	N	S	H
1588SL*	✓	✓	✓	✓	✓	
1588SLK*			✓			

- ✓ Very suitable
- ✓ Suitable

System code > C44

Machining instructions > C201

Cutting data > C144

Nonstandard order > C150



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Solid carbide drills SL/SP series

SL(K) drill 20xD **General machining** Add K (SLK) to the code for use on Cast Iron

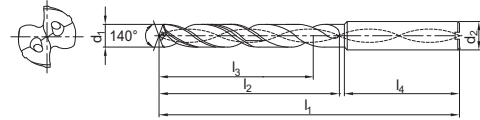
1588SL20C



- Type of shank DIN 6535HA
- Coolant exit, axial concentric



Internal coolant



Article	*	Dimensions [mm]						Grade
		d ₁ (m7)	d ₂ (h6)	l ₁	l ₂	l ₃	l ₄	KDG303
1588SL20C-0650	*	6.5	8	192	150	132	36	●
1588SL20C-0660	*	6.6	8	202	162	144	36	○
1588SL20C-0670	*	6.7	8	202	162	144	36	○
1588SL20C-0680	*	6.8	8	202	162	144	36	●
1588SL20C-0690	*	6.9	8	202	162	144	36	○
1588SL20C-0700	*	7	8	202	162	144	36	●
1588SL20C-0710	*	7.1	8	213	173	155	36	○
1588SL20C-0720	*	7.2	8	213	173	155	36	○
1588SL20C-0730	*	7.3	8	213	173	155	36	○
1588SL20C-0740	*	7.4	8	213	173	155	36	○
1588SL20C-0750	*	7.5	8	213	173	155	36	●
1588SL20C-0760	*	7.6	8	223	183	165	36	○
1588SL20C-0770	*	7.7	8	223	183	165	36	○
1588SL20C-0780	*	7.8	8	223	183	165	36	○
1588SL20C-0790	*	7.9	8	223	183	165	36	○
1588SL20C-0800	*	8	8	223	183	165	36	●
1588SL20C-0810	*	8.1	10	239	195	176	40	○
1588SL20C-0820	*	8.2	10	239	195	176	40	○
1588SL20C-0830	*	8.3	10	239	195	176	40	○
1588SL20C-0840	*	8.4	10	239	195	176	40	○
1588SL20C-0850	*	8.5	10	239	195	176	40	●
1588SL20C-0860	*	8.6	10	249	205	186	40	○
1588SL20C-0870	*	8.7	10	249	205	186	40	○
1588SL20C-0880	*	8.8	10	249	205	186	40	○
1588SL20C-0890	*	8.9	10	249	205	186	40	○
1588SL20C-0900	*	9	10	249	205	186	40	○
1588SL20C-0910	*	9.1	10	262	218	196	36	○
1588SL20C-0920	*	9.2	10	262	218	196	36	○
1588SL20C-0930	*	9.3	10	262	218	196	36	○
1588SL20C-0940	*	9.4	10	262	218	196	36	○
1588SL20C-0950	*	9.5	10	262	218	196	36	○
1588SL20C-0960	*	9.6	10	272	228	206	40	○
1588SL20C-0970	*	9.7	10	272	228	206	40	○
1588SL20C-0980	*	9.8	10	272	228	206	40	○
1588SL20C-0990	*	9.9	10	272	228	206	40	○

● Ex stock ○ On demand

All articles SLK on demand

* With internal cooling

Application field

Type	P	M	K	N	S	H
1588SL*	✓	✓	✓	✓	✓	
1588SLK*			✓			

✓ Very suitable

✓ Suitable

System code > C44

Machining instructions > C201

Cutting data > C144

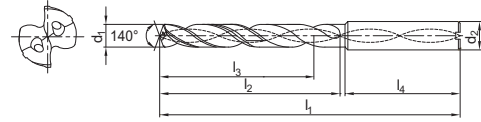
Nonstandard order > C150

SL(K) drill 20xD **General machining** Add K (SLK) to the code for use on Cast Iron

1588SL20C



- Type of shank DIN 6535HA
- Coolant exit, axial concentric



Article	*	Dimensions [mm]						Grade
		d ₁ (m7)	d ₂ (h6)	l ₁	l ₂	l ₃	l ₄	KDG303
1588SL20C-1000	*	10	10	272	228	206	40	●
1588SL20C-1010	*	10.1	12	292	242	220	45	○
1588SL20C-1020	*	10.2	12	292	242	220	45	○
1588SL20C-1030	*	10.3	12	292	242	220	45	○
1588SL20C-1040	*	10.4	12	292	242	220	45	○
1588SL20C-1050	*	10.5	12	292	242	220	45	○
1588SL20C-1060	*	10.6	12	300	250	228	45	○
1588SL20C-1070	*	10.7	12	300	250	228	45	○
1588SL20C-1080	*	10.8	12	300	250	228	45	○
1588SL20C-1090	*	10.9	12	300	250	228	45	○
1588SL20C-1100	*	11	12	300	250	228	45	○
1588SL20C-1110	*	11.1	12	315	265	240	45	○
1588SL20C-1120	*	11.2	12	315	265	240	45	○
1588SL20C-1130	*	11.3	12	315	265	240	45	○
1588SL20C-1140	*	11.4	12	315	265	240	45	○
1588SL20C-1150	*	11.5	12	315	265	240	45	○
1588SL20C-1160	*	11.6	12	325	275	250	45	○
1588SL20C-1170	*	11.7	12	325	275	250	45	○
1588SL20C-1180	*	11.8	12	325	275	250	45	○
1588SL20C-1190	*	11.9	12	325	275	250	45	○
1588SL20C-1200	*	12	12	325	275	250	45	○
1588SL20C-1250	*	12.5	14	325	275	250	45	○
1588SL20C-1300	*	13	14	338	290	265	45	○
1588SL20C-1350	*	13.5	14	338	290	265	45	○
1588SL20C-1400	*	14	14	367	318	290	45	○

● Ex stock ○ On demand

All articles SLK on demand

* With internal cooling

Application field						
Type	P	M	K	N	S	H
1588SL*	✓	✓	✓	✓	✓	
1588SLK*			✓			

✓ Very suitable

✓ Suitable

System code > C44

Machining instructions > C201

Cutting data > C144

Nonstandard order > C150



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Turning

Type	
Code	Description
1	Forets

1

Shank type	
Code	Description
1	Straight shank
2	Square shank DIN 10
3	Double flattened straight shank DIN 1809
5	Straight shank DIN 6535 HA
6	Weldon shank DIN 6535 HB
7	Whistle Notch shank DIN 6535 HE
9	Morse taper shank

2

B

Milling

Drill type	
Code	Description
0	Twist drill
3	Universal twist drill
4	NC tapping device
5	Step drill
6	Three-lips drill
7	Straight flute drill
8	Deep hole drill

3

Tool length	
Code	Description
1	DIN 338
2	DIN 1897
3	QJ/ZZQ(TO)01.001.002
4	DIN 6537 K
5	DIN 6539
6	DIN 6537 L
7	Factory standard ZCC-C
8	Factory standard ZCC-D
9	Factory standard ZCC-E

4

C

Drilling

Application	
Code	Description
UD	Twist drills for tough materials
GD	Twist drills for high feeds
SU	Twist drill for general machining
SUK	Twist drill for cast iron
SL	Twist drill for deep hole drilling
SLK	Deep hole drill for cast iron
SP	Pilot drill
SH	Twist drill for hardened materials
SC	Twist drill for non-ferrous metals and cast iron
PA	Three-lips drill for non-ferrous metals and cast iron
PC	Straight flute drill for non-ferrous metals and cast iron

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L/D relation		Angle	
Drill		NC tapping device	
Code	Description	Code	Description
03	3xD	90	90°
05	5xD	120	120°
08	8xD		
10	10xD		
12	12xD		
15	15xD		
20	20xD		
30	30xD		

With inner cooling

6

7

Bore diameter [mm]	
Code	Description
0200	2,0
0850	8,5
1800	18,0
...	

Shank diameter [mm]	
Code	Description
S	4,0

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a Boring b Drilling c Profile drilling d Centering

A

Coated cemented carbide PVD

Grade	Grade description
KDG303	PVD coated P10–P20/M10–M20/K10–K20 carbide grade for steel, stainless steel and cast iron. Good wear resistance and toughness for a wide application field.

Turning

B

KDG304	PVD coated carbide substrate for machining caststeel and cast iron. Optimised toughness for high feeds.
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Milling

KDG305	PVD coated carbide substrate for machining stainless steel and HRSA. High process reliability due to improved wear resistance.
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C

Uncoated cemented carbide

Grade	Grade description
YK20F	Uncoated K20 carbide substrate for steel, cast iron and non ferrous materials.

Drilling

D

YK30F	Uncoated K30 carbide substrate for steel, stainless steel, cast iron and non ferrous materials.
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