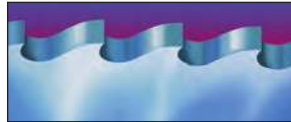
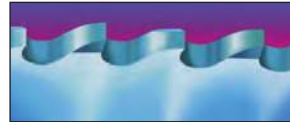




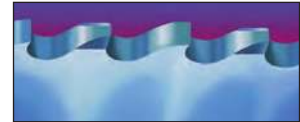
Tooth shape A
Fine-toothed



Tooth shape B
Coarse-toothed



Tooth shape BW
Coarse-toothed,
alternate
bevel



Tooth shape C
High-performance toothing (HZ)
with pre- and
post-cutting edge

17002

Metal circular saw blades, DIN 1837 A

HSS



Design

Tooth shape A, DIN 1840, fine-toothed, hollow ground.

Applications

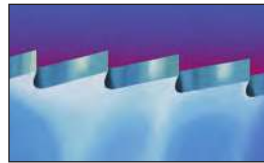
Low tooth pitches with small chip pockets for shallow cuts and thin-walled workpieces (1–5 mm) only. Particularly suitable for processing brittle, short-chipping materials.

Quality

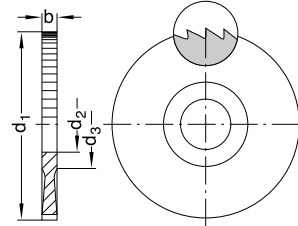
HSS.

Note:

For saw blade holders see art. no. 21636.



Tooth shape A



17002

d ₁ x b x d ₂ mm	No. of teeth	17002	...
20 x 0.20 x 5	80	101	
20 x 0.25 x 5	64	102	
20 x 0.30 x 5	64	103	
20 x 0.40 x 5	64	104	
20 x 0.50 x 5	48	105	
20 x 0.60 x 5	48	106	
20 x 0.80 x 5	48	107	
20 x 1.00 x 5	40	108	
20 x 1.20 x 5	40	109	
20 x 1.60 x 5	40	110	
20 x 2.00 x 5	32	111	
20 x 3.00 x 5	32	113	
25 x 0.20 x 8	80	117	
25 x 0.25 x 8	80	118	
25 x 0.30 x 8	80	119	
25 x 0.40 x 8	64	120	
25 x 0.50 x 8	64	121	
25 x 1.00 x 8	48	124	
25 x 1.20 x 8	48	125	
25 x 1.60 x 8	40	126	
25 x 2.00 x 8	40	127	
25 x 2.50 x 8	40	128	
25 x 3.00 x 8	32	129	
32 x 0.20 x 8	100	133	
32 x 0.25 x 8	100	134	
32 x 0.30 x 8	80	135	
32 x 0.40 x 8	80	136	
32 x 0.50 x 8	80	137	
32 x 0.60 x 8	64	138	
32 x 0.80 x 8	64	139	
32 x 1.00 x 8	64	140	
32 x 1.20 x 8	48	141	
32 x 1.60 x 8	48	142	
32 x 2.00 x 8	48	143	
32 x 2.50 x 8	40	144	
32 x 3.00 x 8	40	145	
40 x 0.20 x 10	128	149	
40 x 0.25 x 10	100	150	

d ₁ x b x d ₂ mm	No. of teeth	17002	...
40 x 0.30 x 10	100	151	
40 x 0.40 x 10	100	152	
40 x 0.50 x 10	80	153	
40 x 0.60 x 10	80	154	
40 x 0.80 x 10	80	155	
40 x 1.00 x 10	64	156	
40 x 1.20 x 10	64	157	
40 x 1.60 x 10	64	158	
40 x 2.00 x 10	48	159	
40 x 2.50 x 10	48	160	
40 x 3.00 x 10	48	161	
50 x 0.20 x 13	128	165	
50 x 0.25 x 13	128	166	
50 x 0.30 x 13	128	167	
50 x 0.40 x 13	100	168	
50 x 0.50 x 13	100	169	
50 x 0.60 x 13	100	170	
50 x 0.80 x 13	80	171	
50 x 1.00 x 13	80	172	
50 x 1.20 x 13	80	173	
50 x 1.60 x 13	64	174	
50 x 2.00 x 13	64	175	
50 x 2.50 x 13	64	176	
50 x 3.00 x 13	48	177	
63 x 0.30 x 16	128	183	
63 x 0.40 x 16	128	184	
63 x 0.50 x 16	128	185	
63 x 0.80 x 16	100	187	
63 x 1.00 x 16	100	188	
63 x 1.20 x 16	80	189	
63 x 1.60 x 16	80	190	
63 x 2.00 x 16	80	191	
63 x 2.50 x 16	64	192	
63 x 3.00 x 16	64	193	
63 x 4.00 x 16	64	194	
63 x 6.00 x 16	48	196	
80 x 0.30 x 22	160	199	
80 x 0.40 x 22	160	200	

d ₁ x b x d ₂ mm	No. of teeth	17002	...
80 x 0.50 x 22	128	201	
80 x 0.80 x 22	128	203	
80 x 1.00 x 22	100	204	
80 x 1.20 x 22	100	205	
80 x 1.60 x 22	100	206	
80 x 2.00 x 22	80	207	
80 x 2.50 x 22	80	208	
80 x 3.00 x 22	80	209	
80 x 4.00 x 22	64	210	
80 x 6.00 x 22	64	212	
100 x 0.50 x 22	160	217	
100 x 0.80 x 22	128	219	
100 x 1.00 x 22	128	220	
100 x 1.20 x 22	128	221	
100 x 1.60 x 22	100	222	
100 x 2.00 x 22	100	223	
100 x 2.50 x 22	100	224	
100 x 3.00 x 22	80	225	
100 x 4.00 x 22	80	226	
100 x 6.00 x 22	64	228	
125 x 0.60 x 22	160	234	
125 x 0.80 x 22	160	235	
125 x 1.00 x 22	160	236	
125 x 1.20 x 22	128	237	
125 x 1.60 x 22	128	238	
125 x 2.00 x 22	128	239	
125 x 2.50 x 22	100	240	
125 x 3.00 x 22	100	241	
125 x 4.00 x 22	100	242	
125 x 6.00 x 22	80	244	
160 x 1.00 x 32	160	252	
160 x 1.20 x 32	160	253	
160 x 1.60 x 32	160	254	
160 x 2.00 x 32	128	255	
160 x 2.50 x 32	128	256	
160 x 3.00 x 32	128	257	
160 x 4.00 x 32	100	258	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
-	-	-	45-50	40-45	35-40	30-35	25-30	-	-	-	-	-	25-30	20-25	-	25-40	-

17005

Metal circular saw blades, DIN 1838 B

HSS



Design

Tooth shape B, DIN 1840, coarse-toothed, hollow ground.

Applications

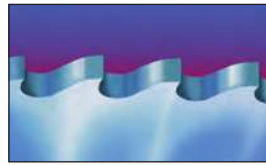
For medium and deep cuts in thicker workpieces (3 mm and above); larger, well-designed chip pockets enable universal use.

Quality

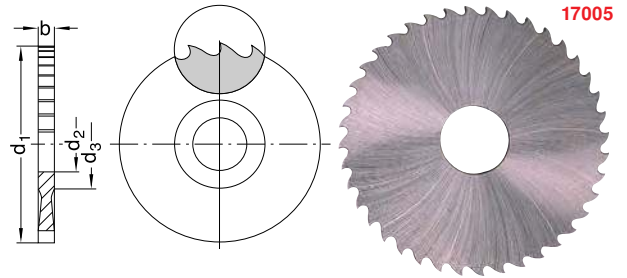
HSS.

Note:

For saw blade holders see art. no. 21636.



Tooth shape B



d ₁ x b x d ₂ mm	No. of teeth	17005	...
50 x 1.0 x 13	40	101	
50 x 1.2 x 13	40	102	
50 x 1.6 x 13	32	103	
50 x 2.0 x 13	32	104	
50 x 3.0 x 13	24	106	
50 x 4.0 x 13	24	107	
63 x 1.0 x 16	48	110	
63 x 1.2 x 16	40	111	
63 x 1.6 x 16	40	112	
63 x 2.0 x 16	40	113	
63 x 3.0 x 16	32	115	
63 x 4.0 x 16	32	116	
63 x 5.0 x 16	24	117	
63 x 6.0 x 16	24	118	
80 x 1.0 x 22	48	119	
80 x 1.2 x 22	48	120	
80 x 1.6 x 22	48	121	
80 x 2.0 x 22	40	122	

d ₁ x b x d ₂ mm	No. of teeth	17005	...
80 x 3.0 x 22	40	124	
80 x 4.0 x 22	32	125	
80 x 5.0 x 22	32	126	
80 x 6.0 x 22	32	127	
100 x 1.0 x 22	64	128	
100 x 1.2 x 22	64	129	
100 x 1.6 x 22	48	130	
100 x 2.0 x 22	48	131	
100 x 3.0 x 22	40	133	
100 x 4.0 x 22	40	134	
100 x 5.0 x 22	40	135	
100 x 6.0 x 22	32	136	
125 x 1.0 x 22	80	137	
125 x 1.2 x 22	64	138	
125 x 1.6 x 22	64	139	
125 x 2.0 x 22	64	140	
125 x 3.0 x 22	48	142	
125 x 4.0 x 22	48	143	

d ₁ x b x d ₂ mm	No. of teeth	17005	...
125 x 5.0 x 22	40	144	
160 x 1.0 x 32	80	146	
160 x 1.6 x 32	80	148	
160 x 2.0 x 32	64	149	
160 x 3.0 x 32	64	151	
160 x 4.0 x 32	48	152	
160 x 5.0 x 32	48	153	
200 x 1.0 x 32	100	155	
200 x 1.6 x 32	80	157	
200 x 2.0 x 32	80	158	
200 x 3.0 x 32	64	160	
200 x 4.0 x 32	64	161	
200 x 5.0 x 32	64	162	
250 x 1.6 x 32	100	166	
250 x 2.0 x 32	100	167	
250 x 3.0 x 32	80	169	
250 x 4.0 x 32	80	170	
250 x 5.0 x 32	64	171	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
80-140	50-80	30-50	32-35	28-32	25-30	25-28	20-25	15-20	-	-	-	-	25-30	20-25	-	25-40	60-100

17008

Metal circular saw blades, DIN 1838 C

HSS



Design

Tooth shape C, DIN 1840, hollow ground, high-performance toothing (HZ) with pre- and post-cutters. Depending on the tooth pitch, the pre-cutters are up to 0.3 mm higher than the post-cutters and thus only suitable for continuous cuts, otherwise a step is formed at the bottom of the cut by the pre-cutting edge. Chip-separating tooth shape for outstanding cutting performance.

Applications

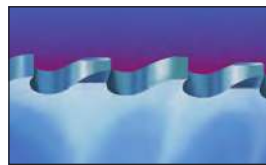
For medium and deep cuts in thicker workpieces (3 mm and above). Particularly suitable for materials with low to medium strength.

Quality

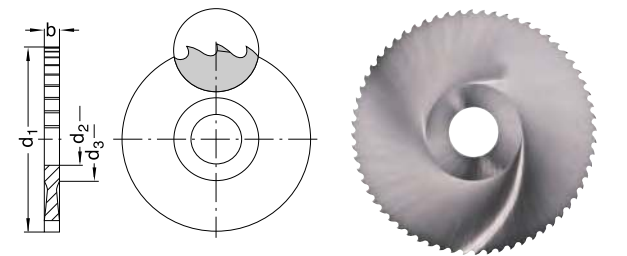
HSS.

Note:

For saw blade holders see art. no. 21636.



Tooth shape C



d ₁ x b x d ₂ mm	No. of teeth	17008	...
50 x 1.0 x 13	40	101	
50 x 1.2 x 13	40	102	
50 x 1.6 x 13	32	103	
50 x 2.0 x 13	32	104	
63 x 1.0 x 16	48	110	
63 x 1.6 x 16	40	112	
63 x 2.0 x 16	40	113	
63 x 3.0 x 16	32	115	
63 x 4.0 x 16	32	116	
80 x 1.0 x 22	48	119	
80 x 1.6 x 22	48	121	
80 x 2.0 x 22	40	122	

d ₁ x b x d ₂ mm	No. of teeth	17008	...
80 x 3.0 x 22	40	124	
80 x 4.0 x 22	32	125	
100 x 1.0 x 22	64	128	
100 x 1.6 x 22	48	130	
100 x 2.0 x 22	48	131	
100 x 2.5 x 22	48	132	
100 x 3.0 x 22	40	133	
100 x 4.0 x 22	40	134	
125 x 1.0 x 22	80	137	
125 x 1.6 x 22	64	139	
125 x 2.0 x 22	64	140	
125 x 2.5 x 22	48	141	

d ₁ x b x d ₂ mm	No. of teeth	17008	...
125 x 3.0 x 22	48	142	
125 x 4.0 x 22	48	143	
160 x 1.2 x 32	80	147	
160 x 1.6 x 32	80	148	
160 x 2.0 x 32	64	149	
160 x 3.0 x 32	64	151	
200 x 1.6 x 32	80	157	
200 x 2.0 x 32	80	158	
200 x 3.0 x 32	64	160	
250 x 1.6 x 32	100	166	
250 x 2.0 x 32	100	167	
250 x 3.0 x 32	80	169	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
80-140	50-80	30-50	32-35	28-32	-	-	-	-	-	-	-	-	-	-	-	-	60-100



ATORN®**Design**

- Curved tooth shape B
- Coarse-toothed
- Laterally hollow ground
- Bore without wedge taper
- Tolerance: $d_1 = j15$, $b = j11$, $d_2 = H6$

Applications

For larger cross-sections and greater cutting depths.
Better chip formation than with fine-toothed versions.

Quality

Solid carbide.

Note:

Cutting speed 3–5 times higher than with HSS saw blades.

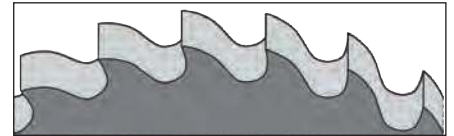
The advantages are shorter processing times, a longer service life and clean cutting surfaces.

Prerequisites are stable machine conditions,
good workpiece clamping and coolant supply.

NEW

17030

Tooth shape B, coarse-toothed



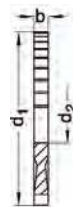
$d_1 \times b \times d_2$ mm	No. of teeth	17030	...
15 x 0.2 x 5	20	500	
15 x 0.25 x 5	20	501	
15 x 0.3 x 5	20	502	
15 x 0.35 x 5	20	503	
15 x 0.4 x 5	20	504	
15 x 0.5 x 5	20	505	
15 x 0.6 x 5	20	506	
15 x 0.7 x 5	20	507	
15 x 0.8 x 5	20	508	
15 x 0.9 x 5	20	509	
15 x 1.0 x 5	20	510	
15 x 1.1 x 5	20	511	
15 x 1.2 x 5	20	512	
15 x 1.3 x 5	20	513	
15 x 1.4 x 5	20	514	
15 x 1.5 x 5	20	515	
15 x 1.6 x 5	20	516	
15 x 1.7 x 5	20	517	
15 x 1.8 x 5	20	518	
15 x 1.9 x 5	20	519	
15 x 2.0 x 5	20	520	
15 x 2.5 x 5	20	521	
15 x 3.0 x 5	20	522	
15 x 3.5 x 5	20	523	
15 x 4.0 x 5	20	524	
15 x 4.5 x 5	20	525	
15 x 5.0 x 5	20	526	
15 x 5.5 x 5	20	527	
15 x 6.0 x 5	20	528	
20 x 0.2 x 5	20	529	
20 x 0.25 x 5	20	530	
20 x 0.3 x 5	20	531	
20 x 0.35 x 5	20	532	
20 x 0.4 x 5	20	533	
20 x 0.5 x 5	20	534	
20 x 0.6 x 5	20	535	
20 x 0.7 x 5	20	536	
20 x 0.8 x 5	20	537	
20 x 0.9 x 5	20	538	
20 x 1.0 x 5	20	539	
20 x 1.1 x 5	20	540	
20 x 1.2 x 5	20	541	
20 x 1.3 x 5	20	542	

$d_1 \times b \times d_2$ mm	No. of teeth	17030	...
20 x 1.4 x 5	20	543	
20 x 1.5 x 5	20	544	
20 x 1.6 x 5	20	545	
20 x 1.7 x 5	20	546	
20 x 1.8 x 5	20	547	
20 x 1.9 x 5	20	548	
20 x 2.0 x 5	20	549	
20 x 2.5 x 5	20	550	
20 x 3.0 x 5	20	551	
20 x 3.5 x 5	20	552	
20 x 4.0 x 5	20	553	
20 x 4.5 x 5	20	554	
20 x 5.0 x 5	20	555	
20 x 5.5 x 5	20	556	
20 x 6.0 x 5	20	557	
25 x 0.2 x 8	20	558	
25 x 0.25 x 8	20	559	
25 x 0.3 x 8	20	560	
25 x 0.35 x 8	20	561	
25 x 0.4 x 8	20	562	
25 x 0.5 x 8	20	563	
25 x 0.6 x 8	20	564	
25 x 0.7 x 8	20	565	
25 x 0.8 x 8	20	566	
25 x 0.9 x 8	20	567	
25 x 1.0 x 8	20	568	
25 x 1.1 x 8	20	569	
25 x 1.2 x 8	20	570	
25 x 1.3 x 8	20	571	
25 x 1.4 x 8	20	572	
25 x 1.5 x 8	20	573	
25 x 1.6 x 8	20	574	
25 x 1.7 x 8	20	575	
25 x 1.8 x 8	20	576	
25 x 1.9 x 8	20	577	
25 x 2.0 x 8	20	578	
25 x 2.5 x 8	20	579	
25 x 3.0 x 8	20	580	
25 x 3.5 x 8	20	581	
25 x 4.0 x 8	20	582	
25 x 4.5 x 8	20	583	
25 x 5.0 x 8	20	584	
25 x 5.5 x 8	20	585	

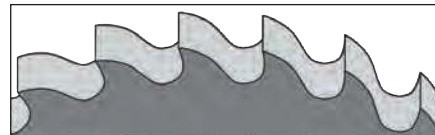
$d_1 \times b \times d_2$ mm	No. of teeth	17030	...
25 x 6.0 x 8	20	586	
30 x 0.2 x 8	30	587	
30 x 0.25 x 8	30	588	
30 x 0.3 x 8	30	589	
30 x 0.35 x 8	30	590	
30 x 0.4 x 8	30	591	
30 x 0.5 x 8	30	592	
30 x 0.6 x 8	30	593	
30 x 0.7 x 8	30	594	
30 x 0.8 x 8	24	595	
30 x 0.9 x 8	24	596	
30 x 1.0 x 8	24	597	
30 x 1.1 x 8	24	598	
30 x 1.2 x 8	24	599	
30 x 1.3 x 8	24	600	
30 x 1.4 x 8	24	601	
30 x 1.5 x 8	24	602	
30 x 1.6 x 8	24	603	
30 x 1.7 x 8	24	604	
30 x 1.8 x 8	24	605	
30 x 1.9 x 8	24	606	
30 x 2.0 x 8	24	607	
30 x 2.5 x 8	24	608	
30 x 3.0 x 8	24	609	
30 x 3.5 x 8	24	610	
30 x 4.0 x 8	24	611	
30 x 4.5 x 8	24	612	
30 x 5.0 x 8	24	613	
30 x 5.5 x 8	24	614	
30 x 6.0 x 8	24	615	
40 x 0.2 x 10	40	616	
40 x 0.25 x 10	40	617	
40 x 0.3 x 10	40	618	
40 x 0.35 x 10	40	619	
40 x 0.4 x 10	40	620	
40 x 0.5 x 10	40	621	
40 x 0.6 x 10	40	622	
40 x 0.7 x 10	40	623	
40 x 0.8 x 10	32	624	
40 x 0.9 x 10	32	625	
40 x 1.0 x 10	32	626	
40 x 1.1 x 10	32	627	
40 x 1.2 x 10	32	628	

Continued ▶

Continued ▶



Tooth shape B, coarse-toothed



d ₁ x b x d ₂ mm	No. of teeth	17030	...
40 x 1.3 x 10	32	629	
40 x 1.4 x 10	32	630	
40 x 1.5 x 10	32	631	
40 x 1.6 x 10	32	632	
40 x 1.7 x 10	32	633	
40 x 1.8 x 10	32	634	
40 x 1.9 x 10	32	635	
40 x 2.0 x 10	32	636	
40 x 2.5 x 10	32	637	
40 x 3.0 x 10	32	638	
40 x 3.5 x 10	32	639	
40 x 4.0 x 10	32	640	
40 x 4.5 x 10	32	641	
40 x 5.0 x 10	32	642	
40 x 5.5 x 10	32	643	
40 x 6.0 x 10	32	644	
50 x 0.2 x 13	48	645	
50 x 0.25 x 13	48	646	
50 x 0.3 x 13	48	647	
50 x 0.35 x 13	48	648	
50 x 0.4 x 13	48	649	
50 x 0.5 x 13	48	650	
50 x 0.6 x 13	48	651	
50 x 0.7 x 13	40	652	
50 x 0.8 x 13	40	653	
50 x 0.9 x 13	40	654	
50 x 1.0 x 13	40	655	
50 x 1.1 x 13	40	656	
50 x 1.2 x 13	40	657	
50 x 1.3 x 13	32	658	
50 x 1.4 x 13	32	659	
50 x 1.5 x 13	32	660	
50 x 1.6 x 13	32	661	
50 x 1.7 x 13	32	662	
50 x 1.8 x 13	32	663	
50 x 1.9 x 13	32	664	
50 x 2.0 x 13	32	665	
50 x 2.5 x 13	32	666	
50 x 3.0 x 13	24	667	
50 x 3.5 x 13	24	668	
50 x 4.0 x 13	24	669	
50 x 4.5 x 13	24	670	
50 x 5.0 x 13	24	671	
50 x 5.5 x 13	20	672	
50 x 6.0 x 13	20	673	
63 x 0.3 x 16	64	674	
63 x 0.35 x 16	64	675	
63 x 0.4 x 16	64	676	
63 x 0.5 x 16	64	677	
63 x 0.6 x 16	48	678	
63 x 0.7 x 16	48	679	
63 x 0.8 x 16	48	680	
63 x 0.9 x 16	48	681	
63 x 1.0 x 16	48	682	

d ₁ x b x d ₂ mm	No. of teeth	17030	...
63 x 1.1 x 16	40	683	
63 x 1.2 x 16	40	684	
63 x 1.3 x 16	40	685	
63 x 1.4 x 16	40	686	
63 x 1.5 x 16	40	687	
63 x 1.6 x 16	40	688	
63 x 1.7 x 16	40	689	
63 x 1.8 x 16	40	690	
63 x 1.9 x 16	40	691	
63 x 2.0 x 16	40	692	
63 x 2.5 x 16	32	693	
63 x 3.0 x 16	32	694	
63 x 3.5 x 16	32	695	
63 x 4.0 x 16	32	696	
63 x 4.5 x 16	32	697	
63 x 5.0 x 16	24	698	
63 x 5.5 x 16	24	699	
63 x 6.0 x 16	24	700	
80 x 0.3 x 22	64	701	
80 x 0.35 x 22	64	702	
80 x 0.4 x 22	64	703	
80 x 0.5 x 22	64	704	
80 x 0.6 x 22	64	705	
80 x 0.7 x 22	64	706	
80 x 0.8 x 22	64	707	
80 x 0.9 x 22	48	708	
80 x 1.0 x 22	48	709	
80 x 1.1 x 22	48	710	
80 x 1.2 x 22	48	711	
80 x 1.3 x 22	48	712	
80 x 1.4 x 22	48	713	
80 x 1.5 x 22	48	714	
80 x 1.6 x 22	48	715	
80 x 1.7 x 22	40	716	
80 x 1.8 x 22	40	717	
80 x 1.9 x 22	40	718	
80 x 2.0 x 22	40	719	
80 x 2.5 x 22	40	720	
80 x 3.0 x 22	40	721	
80 x 3.5 x 22	32	722	
80 x 4.0 x 22	32	723	
80 x 4.5 x 22	32	724	
80 x 5.0 x 22	32	725	
80 x 5.5 x 22	32	726	
80 x 6.0 x 22	32	727	
100 x 0.5 x 22	80	728	
100 x 0.6 x 22	80	729	
100 x 0.7 x 22	80	730	
100 x 0.8 x 22	64	731	
100 x 0.9 x 22	64	732	
100 x 1.0 x 22	64	733	
100 x 1.1 x 22	64	734	
100 x 1.2 x 22	64	735	
100 x 1.3 x 22	48	736	

d ₁ x b x d ₂ mm	No. of teeth	17030	...
100 x 1.4 x 22	48	737	
100 x 1.5 x 22	48	738	
100 x 1.6 x 22	48	739	
100 x 1.7 x 22	48	740	
100 x 1.8 x 22	48	741	
100 x 1.9 x 22	48	742	
100 x 2.0 x 22	48	743	
100 x 2.5 x 22	48	744	
100 x 3.0 x 22	40	745	
100 x 3.5 x 22	40	746	
100 x 4.0 x 22	40	747	
100 x 4.5 x 22	40	748	
100 x 5.0 x 22	40	749	
100 x 5.5 x 22	32	750	
100 x 6.0 x 22	32	751	
125 x 0.6 x 22	80	752	
125 x 0.7 x 22	80	753	
125 x 0.8 x 22	80	754	
125 x 0.9 x 22	80	755	
125 x 1.0 x 22	80	756	
125 x 1.1 x 22	64	757	
125 x 1.2 x 22	64	758	
125 x 1.3 x 22	64	759	
125 x 1.4 x 22	64	760	
125 x 1.5 x 22	64	761	
125 x 1.6 x 22	64	762	
125 x 1.7 x 22	64	763	
125 x 1.8 x 22	64	764	
125 x 1.9 x 22	64	765	
125 x 2.0 x 22	64	766	
125 x 2.5 x 22	48	767	
125 x 3.0 x 22	48	768	
125 x 3.5 x 22	48	769	
125 x 4.0 x 22	48	770	
125 x 4.5 x 22	40	771	
125 x 5.0 x 22	40	772	
125 x 5.5 x 22	40	773	
125 x 6.0 x 22	40	774	
160 x 1.0 x 32	80	783	
160 x 1.2 x 32	80	784	
160 x 1.5 x 32	80	785	
160 x 1.6 x 32	80	786	
160 x 2.0 x 32	64	787	
160 x 2.5 x 32	64	788	
160 x 3.0 x 32	64	789	
160 x 4.0 x 32	48	790	
200 x 1.5 x 32	80	791	
200 x 1.6 x 32	80	792	
200 x 2.0 x 32	80	793	
200 x 2.5 x 32	80	794	
200 x 3.0 x 32	64	795	
200 x 4.0 x 32	64	796	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
400-1000	400-800	150-600	100-180	100-180	100-180	60-120	40-80	20-60	-	-	-	-	60-160	60-160	20-60	100-150	150-1000



ATORN®**Design**

- Angular tooth shape A
- Fine-toothed
- Laterally hollow ground
- Bore without wedge taper
- Tolerance: $d_1 = j15$, $b = j11$, $d_2 = H6$

Applications

For thin-walled work pieces and shallow cutting depths.

Quality

Solid carbide.

Note:

Cutting speed 3–5 times higher than with HSS saw blades.

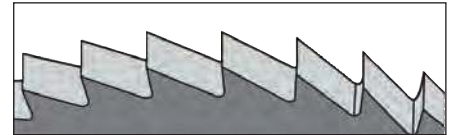
The advantages are shorter processing times, a longer service life and clean cutting surfaces.

Prerequisites are stable machine conditions, good workpiece clamping and coolant supply.

NEW

17031

Tooth shape A, fine-toothed



$d_1 \times b \times d_2$ mm	No. of teeth	17031	...
15 x 0.1 x 5	64	500	
15 x 0.15 x 5	64	501	
15 x 0.2 x 5	64	502	
15 x 0.25 x 5	64	503	
15 x 0.3 x 5	64	504	
15 x 0.35 x 5	64	505	
15 x 0.4 x 5	64	506	
15 x 0.5 x 5	48	507	
15 x 0.6 x 5	48	508	
15 x 0.7 x 5	48	509	
15 x 0.8 x 5	40	510	
15 x 0.9 x 5	40	511	
15 x 1.0 x 5	40	512	
15 x 1.1 x 5	40	513	
15 x 1.2 x 5	40	514	
15 x 1.3 x 5	40	515	
15 x 1.4 x 5	40	516	
15 x 1.5 x 5	40	517	
15 x 1.6 x 5	40	518	
15 x 1.7 x 5	40	519	
15 x 1.8 x 5	40	520	
15 x 1.9 x 5	40	521	
15 x 2.0 x 5	40	522	
15 x 2.5 x 5	40	523	
15 x 3.0 x 5	40	524	
15 x 3.5 x 5	40	525	
15 x 4.0 x 5	40	526	
15 x 4.5 x 5	40	527	
15 x 5.0 x 5	40	528	
15 x 5.5 x 5	40	529	
15 x 6.0 x 5	40	530	
20 x 0.1 x 5	80	531	
20 x 0.15 x 5	80	532	
20 x 0.2 x 5	80	533	
20 x 0.25 x 5	64	534	
20 x 0.3 x 5	64	535	
20 x 0.35 x 5	64	536	
20 x 0.4 x 5	64	537	
20 x 0.5 x 5	48	538	
20 x 0.6 x 5	48	539	
20 x 0.7 x 5	48	540	
20 x 0.8 x 5	48	541	
20 x 0.9 x 5	40	542	
20 x 1.0 x 5	40	543	
20 x 1.1 x 5	40	544	

$d_1 \times b \times d_2$ mm	No. of teeth	17031	...
20 x 1.2 x 5	40	545	
20 x 1.3 x 5	40	546	
20 x 1.4 x 5	40	547	
20 x 1.5 x 5	40	548	
20 x 1.6 x 5	40	549	
20 x 1.7 x 5	40	550	
20 x 1.8 x 5	32	551	
20 x 1.9 x 5	32	552	
20 x 2.0 x 5	32	553	
20 x 2.5 x 5	32	554	
20 x 3.0 x 5	32	555	
20 x 3.5 x 5	24	556	
20 x 4.0 x 5	24	557	
20 x 4.5 x 5	24	558	
20 x 5.0 x 5	24	559	
20 x 5.5 x 5	24	560	
20 x 6.0 x 5	24	561	
25 x 0.1 x 8	80	562	
25 x 0.15 x 8	80	563	
25 x 0.2 x 8	80	564	
25 x 0.25 x 8	80	565	
25 x 0.3 x 8	80	566	
25 x 0.35 x 8	64	567	
25 x 0.4 x 8	64	568	
25 x 0.5 x 8	64	569	
25 x 0.6 x 8	64	570	
25 x 0.7 x 8	48	571	
25 x 0.8 x 8	48	572	
25 x 0.9 x 8	48	573	
25 x 1.0 x 8	48	574	
25 x 1.1 x 8	48	575	
25 x 1.2 x 8	48	576	
25 x 1.3 x 8	40	577	
25 x 1.4 x 8	40	578	
25 x 1.5 x 8	40	579	
25 x 1.6 x 8	40	580	
25 x 1.7 x 8	40	581	
25 x 1.8 x 8	40	582	
25 x 1.9 x 8	40	583	
25 x 2.0 x 8	40	584	
25 x 2.5 x 8	40	585	
25 x 3.0 x 8	32	586	
25 x 3.5 x 8	32	587	
25 x 4.0 x 8	32	588	
25 x 4.5 x 8	32	589	

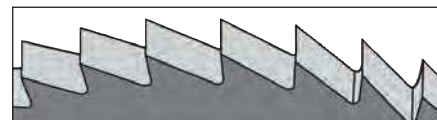
$d_1 \times b \times d_2$ mm	No. of teeth	17031	...
25 x 5.0 x 8	32	590	
25 x 5.5 x 8	24	591	
25 x 6.0 x 8	24	592	
30 x 0.1 x 8	100	593	
30 x 0.15 x 8	100	594	
30 x 0.2 x 8	100	595	
30 x 0.25 x 8	100	596	
30 x 0.3 x 8	80	597	
30 x 0.35 x 8	80	598	
30 x 0.4 x 8	80	599	
30 x 0.5 x 8	80	600	
30 x 0.6 x 8	64	601	
30 x 0.7 x 8	64	602	
30 x 0.8 x 8	64	603	
30 x 0.9 x 8	64	604	
30 x 1.0 x 8	64	605	
30 x 1.1 x 8	64	606	
30 x 1.2 x 8	48	607	
30 x 1.3 x 8	48	608	
30 x 1.4 x 8	48	609	
30 x 1.5 x 8	48	610	
30 x 1.6 x 8	48	611	
30 x 1.7 x 8	48	612	
30 x 1.8 x 8	48	613	
30 x 1.9 x 8	48	614	
30 x 2.0 x 8	48	615	
30 x 2.5 x 8	40	616	
30 x 3.0 x 8	40	617	
30 x 3.5 x 8	40	618	
30 x 4.0 x 8	40	619	
30 x 4.5 x 8	32	620	
30 x 5.0 x 8	32	621	
30 x 5.5 x 8	32	622	
30 x 6.0 x 8	32	623	
40 x 0.1 x 10	128	624	
40 x 0.15 x 10	128	625	
40 x 0.2 x 10	128	626	
40 x 0.25 x 10	100	627	
40 x 0.3 x 10	100	628	
40 x 0.35 x 10	100	629	
40 x 0.4 x 10	80	630	
40 x 0.5 x 10	80	631	
40 x 0.6 x 10	80	632	
40 x 0.7 x 10	80	633	
40 x 0.8 x 10	80	634	

Continued ▶

Continued ▶



Tooth shape A, fine-toothed



d ₁ x b x d ₂ mm	No. of teeth	17031	...
40 x 0.9 x 10	64	635	
40 x 1.0 x 10	64	636	
40 x 1.1 x 10	64	637	
40 x 1.2 x 10	64	638	
40 x 1.3 x 10	64	639	
40 x 1.4 x 10	64	640	
40 x 1.5 x 10	64	641	
40 x 1.6 x 10	64	642	
40 x 1.7 x 10	48	643	
40 x 1.8 x 10	48	644	
40 x 1.9 x 10	48	645	
40 x 2.0 x 10	48	646	
40 x 2.5 x 10	48	647	
40 x 3.0 x 10	48	648	
40 x 3.5 x 10	48	649	
40 x 4.0 x 10	40	650	
40 x 4.5 x 10	40	651	
40 x 5.0 x 10	40	652	
40 x 5.5 x 10	40	653	
40 x 6.0 x 10	40	654	
50 x 0.1 x 13	128	655	
50 x 0.15 x 13	128	656	
50 x 0.2 x 13	128	657	
50 x 0.25 x 13	128	658	
50 x 0.3 x 13	128	659	
50 x 0.35 x 13	100	660	
50 x 0.4 x 13	100	661	
50 x 0.5 x 13	100	662	
50 x 0.6 x 13	100	663	
50 x 0.7 x 13	80	664	
50 x 0.8 x 13	80	665	
50 x 0.9 x 13	80	666	
50 x 1.0 x 13	80	667	
50 x 1.1 x 13	80	668	
50 x 1.2 x 13	80	669	
50 x 1.3 x 13	64	670	
50 x 1.4 x 13	64	671	
50 x 1.5 x 13	64	672	
50 x 1.6 x 13	64	673	
50 x 1.7 x 13	64	674	
50 x 1.8 x 13	64	675	
50 x 1.9 x 13	64	676	
50 x 2.0 x 13	64	677	
50 x 2.5 x 13	64	678	
50 x 3.0 x 13	48	679	
50 x 3.5 x 13	48	680	
50 x 4.0 x 13	48	681	
50 x 4.5 x 13	48	682	
50 x 5.0 x 13	48	683	
50 x 5.5 x 13	40	684	
50 x 6.0 x 13	40	685	
63 x 0.2 x 16	160	686	
63 x 0.25 x 16	160	687	
63 x 0.3 x 16	128	688	
63 x 0.35 x 16	128	689	
63 x 0.4 x 16	128	690	

d ₁ x b x d ₂ mm	No. of teeth	17031	...
63 x 0.5 x 16	128	691	
63 x 0.6 x 16	100	692	
63 x 0.7 x 16	100	693	
63 x 0.8 x 16	100	694	
63 x 0.9 x 16	100	695	
63 x 1.0 x 16	100	696	
63 x 1.1 x 16	80	697	
63 x 1.2 x 16	80	698	
63 x 1.3 x 16	80	699	
63 x 1.4 x 16	80	700	
63 x 1.5 x 16	80	701	
63 x 1.6 x 16	80	702	
63 x 1.7 x 16	80	703	
63 x 1.8 x 16	80	704	
63 x 1.9 x 16	80	705	
63 x 2.0 x 16	80	706	
63 x 2.5 x 16	64	707	
63 x 3.0 x 16	64	708	
63 x 3.5 x 16	64	709	
63 x 4.0 x 16	64	710	
63 x 4.5 x 16	64	711	
63 x 5.0 x 16	48	712	
63 x 5.5 x 16	48	713	
63 x 6.0 x 16	48	714	
80 x 0.3 x 22	160	715	
80 x 0.4 x 22	160	716	
80 x 0.5 x 22	128	717	
80 x 0.6 x 22	128	718	
80 x 0.7 x 22	128	719	
80 x 0.8 x 22	128	720	
80 x 0.9 x 22	100	721	
80 x 1.0 x 22	100	722	
80 x 1.1 x 22	100	723	
80 x 1.2 x 22	100	724	
80 x 1.3 x 22	100	725	
80 x 1.4 x 22	100	726	
80 x 1.5 x 22	100	727	
80 x 1.6 x 22	100	728	
80 x 1.7 x 22	80	729	
80 x 1.8 x 22	80	730	
80 x 1.9 x 22	80	731	
80 x 2.0 x 22	80	732	
80 x 2.5 x 22	80	733	
80 x 3.0 x 22	80	734	
80 x 3.5 x 22	64	735	
80 x 4.0 x 22	64	736	
80 x 4.5 x 22	64	737	
80 x 5.0 x 22	64	738	
80 x 5.5 x 22	64	739	
80 x 6.0 x 22	64	740	
100 x 0.5 x 22	160	741	
100 x 0.6 x 22	160	742	
100 x 0.7 x 22	128	743	
100 x 0.8 x 22	128	744	
100 x 0.9 x 22	128	745	

d ₁ x b x d ₂ mm	No. of teeth	17031	...
100 x 1.0 x 22	128	747	
100 x 1.1 x 22	128	748	
100 x 1.2 x 22	128	749	
100 x 1.3 x 22	100	750	
100 x 1.4 x 22	100	751	
100 x 1.5 x 22	100	752	
100 x 1.6 x 22	100	753	
100 x 1.7 x 22	100	754	
100 x 1.8 x 22	100	755	
100 x 1.9 x 22	100	756	
100 x 2.0 x 22	100	757	
100 x 2.5 x 22	100	758	
100 x 3.0 x 22	80	759	
100 x 3.5 x 22	80	760	
100 x 4.0 x 22	80	761	
100 x 4.5 x 22	80	762	
100 x 5.0 x 22	80	763	
100 x 5.5 x 22	64	764	
100 x 6.0 x 22	64	765	
125 x 0.6 x 22	160	766	
125 x 0.7 x 22	160	767	
125 x 0.8 x 22	160	768	
125 x 0.9 x 22	160	769	
125 x 1.0 x 22	160	770	
125 x 1.1 x 22	128	771	
125 x 1.2 x 22	128	772	
125 x 1.3 x 22	128	773	
125 x 1.4 x 22	128	774	
125 x 1.5 x 22	128	775	
125 x 1.6 x 22	128	776	
125 x 1.7 x 22	128	777	
125 x 1.8 x 22	128	778	
125 x 1.9 x 22	128	779	
125 x 2.0 x 22	128	780	
125 x 2.5 x 22	100	781	
125 x 3.0 x 22	100	782	
125 x 3.5 x 22	100	783	
125 x 4.0 x 22	100	784	
125 x 4.5 x 22	100	785	
125 x 5.0 x 22	80	786	
125 x 5.5 x 22	80	787	
125 x 6.0 x 22	80	788	
160 x 1.0 x 32	160	797	
160 x 1.2 x 32	160	798	
160 x 1.5 x 32	160	799	
160 x 1.6 x 32	160	800	
160 x 2.0 x 32	128	801	
160 x 2.5 x 32	128	802	
160 x 3.0 x 32	128	803	
160 x 4.0 x 32	128	804	
200 x 1.5 x 32	160	805	
200 x 1.6 x 32	160	806	
200 x 2.0 x 32	160	807	
200 x 2.5 x 32	160	808	
200 x 3.0 x 32	128	809	
200 x 4.0 x 32	128	810	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
400-1000	400-600	150-600	100-180	100-180	100-180	60-120	40-80	20-60	-	-	-	-	60-160	60-160	20-60	100-150	150-1000



Design

With straight shank for mounting on surface chucks, high degree of concentricity.

Applications

For mounting saw blades with a diameter of 20–100 mm and saw blade thicknesses of 0.2–6 mm (see art. no. 17002–17008 and 17030–17031).

Note:

Saw blade not included in delivery.

21636 300**Design**

Set, 6 pieces, consisting of all sizes of art. no. 21636 301–306, including case.

21636 301-308**Design**

Individual.



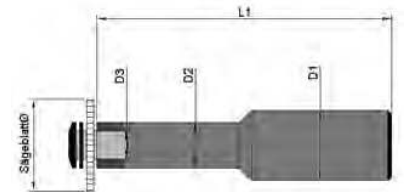
21636 300

Set contents	Holder Ø mm	Set 21636	...
Six pieces	20/25/32/40/50/63	300	

For saw blade Ø mm	L1 mm	Ø D1 mm	Ø D2 mm	Ø D3 mm	Individual 21636	
				
20	94	20	10.0	5		301
25	104	20	13.0	8		302
32	110	20	16.0	8		303
40	114	20	19.5	10		304
50	141	25	24.5	13		305
63	141	25	24.5	16		306
80	160	25	34.0	22		307
100	160	25	39.5	22		308



21636 301-308



Metal circular saw blades

HSS HSS-E

17010 - 17011

17010 - 17011 Metal circular saw blades

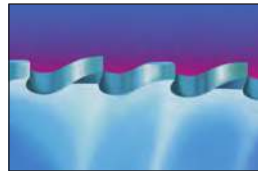


Design

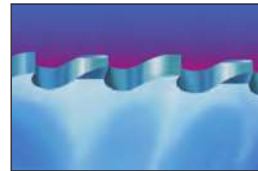
With combined driving holes, steam-treated surface; prevents material build-up on the side of the blade and improves the service life.

Tooth shape BW: alternate level.

Tooth shape C: High-performance toothing (HZ) with pre- and post-cutting edge.



Tooth shape BW



Tooth shape C

Applications

For circular saws, e.g. EISELE, ULMIA and TRENNJÄGER.

17010

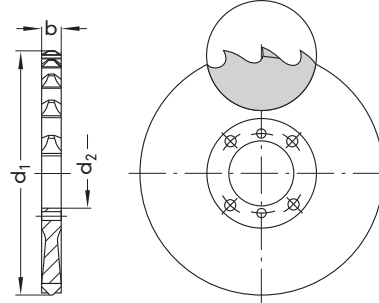
Quality

HSS, steam-treated.

17011

Quality

HSS-E, steam-treated.



d ₁ x b x d ₂ mm	Secondary holes: no./Ø/pitch circle	No. of teeth	Tooth shape	HSS		HSS-E	
				17010	...	17011	...
225 x 2.0 x 40	2/8/55 + 4/12/64	180	BW			110	
225 x 2.0 x 40	2/8/55 + 4/12/64	120	C			111	
225 x 2.0 x 40	2/8/55 + 4/12/64	90	C			112	
250 x 2.0 x 40	2/8/55 + 4/12/64	200	BW			116	116
250 x 2.0 x 40	2/8/55 + 4/12/64	128	C			117	117
250 x 2.0 x 40	2/8/55 + 4/12/64	100	C			118	118
250 x 2.5 x 40	2/8/55 + 4/12/64	200	BW			120	
250 x 2.5 x 40	2/8/55 + 4/12/64	128	C			121	
250 x 2.5 x 40	2/8/55 + 4/12/64	100	C			122	
275 x 2.0 x 40	2/8/55 + 4/12/64	220	BW			125	125
275 x 2.0 x 40	2/8/55 + 4/12/64	144	C			126	126
275 x 2.0 x 40	2/8/55 + 4/12/64	110	C			127	127
275 x 2.5 x 40	2/8/55 + 4/12/64	220	BW			129	129
275 x 2.5 x 40	2/8/55 + 4/12/64	144	C			130	130
275 x 2.5 x 40	2/8/55 + 4/12/64	110	C			131	131
300 x 2.5 x 40	2/8/55 + 4/12/64	160	C			134	134
300 x 2.5 x 40	2/8/55 + 4/12/64	120	C			135	135
315 x 2.5 x 40	2/8/55 + 4/12/64	250	BW			137	137
315 x 2.5 x 40	2/8/55 + 4/12/64	160	C			138	138
315 x 2.5 x 40	2/8/55 + 4/12/64	120	C			139	139
315 x 3.0 x 40	2/8/55 + 4/12/64	250	BW			141	141
315 x 3.0 x 40	2/8/55 + 4/12/64	160	C			142	142
315 x 3.0 x 40	2/8/55 + 4/12/64	120	C			143	143
350 x 2.5 x 40	2/8/55 + 4/12/64	220	C			145	
350 x 2.5 x 40	2/8/55 + 4/12/64	180	C			146	
350 x 2.5 x 40	2/8/55 + 4/12/64	110	C			147	
350 x 3.0 x 40	2/8/55 + 4/12/64	180	C			149	149
350 x 3.0 x 40	2/8/55 + 4/12/64	140	C			150	150
400 x 3.0 x 40	2/8/55 + 2/15/80 + 4/12/64	200	C			152	
400 x 3.0 x 40	2/8/55 + 2/15/80 + 4/12/64	160	C			153	
425 x 3.5 x 40	2/15/80 + 4/12/64	220	C			155	
425 x 3.5 x 40	2/15/80 + 4/12/64	160	C			156	

Milling tools



**Design**

With combined driving holes. Steam-treated surface; prevents material build-up on the side of the blade and improves the service life.

Tooth shape BW: alternate bevel.

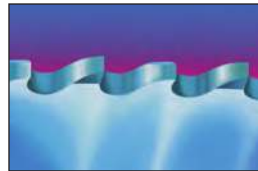
Tooth shape C: High-performance toothing (HZ) with pre- and post-cutting edge.

Applications

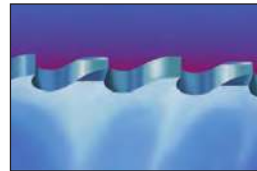
For circular saws with a 32-mm hole, e.g. Italian brands.

Quality

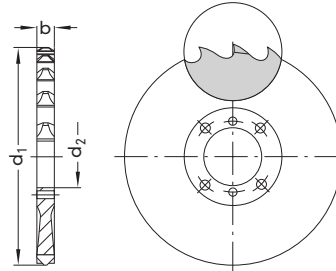
HSS, steam-treated.



Tooth shape BW



Tooth shape C



17014

d ₁ x b x d ₂ mm	Secondary holes: no./Ø/pitch circle	No. of teeth	Tooth shape	17014	...
225 x 2.0 x 32	2/8/45 + 2/9/50 + 2/11/63	180	BW		105
225 x 2.0 x 32	2/8/45 + 2/9/50 + 2/11/63	120	C		106
225 x 2.0 x 32	2/8/45 + 2/9/50 + 2/11/63	90	C		107
250 x 2.0 x 32	2/8/45 + 2/9/50 + 2/11/63	200	BW		110
250 x 2.0 x 32	2/8/45 + 2/9/50 + 2/11/63	128	C		111
250 x 2.0 x 32	2/8/45 + 2/9/50 + 2/11/63	100	C		112
275 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	220	BW		116
275 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	144	C		117
275 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	110	C		118
300 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	240	BW		122
300 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	160	C		123
300 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	120	C		124
315 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	250	BW		125
315 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	160	C		126
315 x 2.5 x 32	2/8/45 + 2/9/50 + 2/11/63	120	C		127
315 x 3.0 x 32	2/8/45 + 2/9/50 + 2/11/63	250	BW		128
315 x 3.0 x 32	2/8/45 + 2/9/50 + 2/11/63	160	C		129
315 x 3.0 x 32	2/8/45 + 2/9/50 + 2/11/63	120	C		130
350 x 2.5 x 32	2/8/45 + 2/11/63 + 2/12/75	220	C		132
350 x 2.5 x 32	2/8/45 + 2/11/63 + 2/12/75	180	C		133
350 x 2.5 x 32	2/8/45 + 2/11/63 + 2/12/75	140	C		134
350 x 3.0 x 32	2/8/45 + 2/11/63 + 2/12/75	220	C		137
350 x 3.0 x 32	2/8/45 + 2/11/63 + 2/12/75	180	C		138
350 x 3.0 x 32	2/8/45 + 2/9/50 + 2/11/63 + 2/12/75	140	C		139

Design

Coarse-toothed, riveted tooth segments. Steel blade made of alloyed tool steel, hardened, **approx. 1300 N/mm²** strength.

Tooth shape C: The high-performance toothing with pre- and post-cutters (HZ), combined with the coolant channels ground into the side of the tooth segments, ensure optimum machining. The steel blade is thinner than the cutting width of the segment teeth, thus preventing the saw blade from seizing.

Quality

Tooth segments HSS (DMo5).

Note:

The individual tooth segments are easily replaced in the event of tooth breakage. Segmented circular saw blades with medium-sized toothing for thin profiles and segmented circular saw blades with different dimensions are deliverable on request.



17051

d ₁ x b x d ₂ mm	Secondary holes: no./Ø/pitch circle	No. of teeth	No. of segments	17051	...
360 x 3.6 x 50	4/14/85 + 4/15/80	128	16		214
360 x 3.6 x 50	4/14/85 + 4/15/80	96	16		215
400 x 4.0 x 40	2/15/80 + 4/12/64	128	16		221
400 x 4.0 x 40	2/15/80 + 4/12/64	96	16		222
400 x 4.0 x 50	4/14/85 + 4/15/80	128	16		225
400 x 4.0 x 50	4/14/85 + 4/15/80	96	16		226

Disc milling cutters | Shell end mills

17085

Narrow disc milling cutters (side and face milling cutters), DIN 1834 A



Design

- Type N

- Cuts on three sides

- Cross-toothed

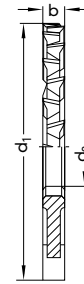
- With longitudinal groove according to DIN 138

Quality

HSS-E.



17085



d ₁ js16 mm	b k11 mm	d ₂ H7 mm	Cutting edges	HSS-E	
				17085	...
63	1.6	22	28	201	
63	2	22	28	202	
63	2.5	22	28	203	
63	3	22	28	204	
63	4	22	28	205	
63	5	22	28	206	
80	2	27	32	207	
80	2.5	27	32	208	
80	3	27	32	209	
80	4	27	32	210	
80	5	27	32	211	
80	6	27	32	212	
100	2	32	36	213	
100	3	32	36	215	
100	4	32	36	216	

d ₁ js16 mm	b k11 mm	d ₂ H7 mm	Cutting edges	HSS-E	
				17085	...
100	5	32	36	217	
100	6	32	36	218	
100	8	32	28	219	
125	2	32	40	220	
125	3	32	40	222	
125	4	32	40	223	
125	5	32	40	224	
125	6	32	40	225	
125	8	32	32	226	
125	10	32	32	227	
160	2	40	48	228	
160	3	40	48	230	
160	4	40	48	231	
160	5	40	48	232	
160	6	40	48	233	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
100-150	50-80	50-80	35-40	32-35	25-28	22-25	-	-	-	-	-	-	20-25	18-22	12-20	25-40	50-60

17241

Disc milling cutters, DIN 885 A



Design

- Type N

- Cuts on three sides

- Cross-toothed

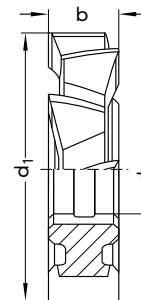
- With longitudinal groove according to DIN 138

Quality

HSS-E (Co5).



17241



d ₁ js16 mm	b k11 mm	d ₂ H7 mm	Cutting edges	HSS-E	
				17241	...
50	5	16	12	201	
50	6	16	12	202	
50	8	16	12	203	
63	6	22	12	205	
63	8	22	12	206	
63	10	22	12	207	
63	12	22	12	208	
80	10	27	14	213	
80	12	27	14	214	
80	16	27	14	216	

d ₁ js16 mm	b k11 mm	d ₂ H7 mm	Cutting edges	HSS-E	
				17241	...
80	20	27	14	218	
100	10	32	14	219	
100	12	32	14	220	
100	16	32	14	222	
100	20	32	14	224	
125	12	32	16	227	
125	14	32	16	228	
125	16	32	16	229	
125	20	32	16	231	
125	25	32	16	233	

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
100-150	50-80	50-80	35-40	32-35	25-28	22-25	-	-	-	-	-	-	20-25	18-22	12-20	25-40	50-60



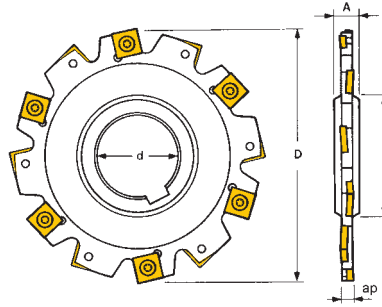
ATORN®

Design

Three-sided cutting, fixed width. Generates a slight arched shape in the groove base. Supplied with clamping screws.

Applications

For bolted indexable inserts (see art. no. 17785–17786). For slitting, cutting and grooving.



17780

For indexable inserts SNHX 1102T

D mm	d mm	ap mm	A mm	B mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17780	...
63	22	4	8	34	8	4	14	SNHX 1102T	VTX 3503		101
80	22	4	8	34	10	5	22	SNHX 1102T	VTX 3503		104
100	27	4	12	45	12	6	24	SNHX 1102T	VTX 3503		107
125	40	4	12	58	14	7	33	SNHX 1102T	VTX 3503		114
160	40	4	12	68	18	9	45	SNHX 1102T	VTX 3503		122
200	50	4	12	72	18	9	62	SNHX 1102T	VTX 3503		131

For indexable inserts SNHX 1103T

D mm	d mm	ap mm	A mm	B mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17780	...
63	22	5	8	34	8	4	14	SNHX 1103T	VTX 3504		102
80	22	5	8	34	10	5	22	SNHX 1103T	VTX 3504		105
100	27	5	12	45	12	6	24	SNHX 1103T	VTX 3504		108
125	40	5	12	58	14	7	33	SNHX 1103T	VTX 3504		115
160	40	5	12	68	18	9	45	SNHX 1103T	VTX 3504		123
200	50	5	12	72	18	9	62	SNHX 1103T	VTX 3504		132

For indexable inserts SNHX 1203T

D mm	d mm	ap mm	A mm	B mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17780	...
63	22	6	8	34	6	3	14	SNHX 1203T	VTX 405		103
80	22	6	8	34	8	4	22	SNHX 1203T	VTX 405		106
100	27	6	12	45	10	5	24	SNHX 1203T	VTX 405		109
125	40	6	12	58	12	6	33	SNHX 1203T	VTX 405		116
160	40	6	12	68	16	8	45	SNHX 1203T	VTX 405		124
200	50	6	12	72	18	9	62	SNHX 1203T	VTX 405		133

For indexable inserts SNHX 1205T

D mm	d mm	ap mm	A mm	B mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17780	...
100	27	10	12	45	10	5	24	SNHX 1205T	VTX 408		113
125	40	10	12	58	12	6	33	SNHX 1205T	VTX 408		120
160	40	10	12	68	16	8	45	SNHX 1205T	VTX 408		128
160	40	14	14	68	15	5	45	SNHX 1205T	VTX 408		130
200	50	10	12	72	18	9	62	SNHX 1205T	VTX 408		135
200	50	14	14	72	18	6	62	SNHX 1205T	VTX 408		137
250	50	10	12	72	24	12	88	SNHX 1205T	VTX 408		139

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
300-350	300-350	-	140-200	140-200	140-200	120-150	120-150	120-150	-	-	-	-	130-160	130-160	-	100-140	-

17782 - 17789

Disc milling cutters with collar

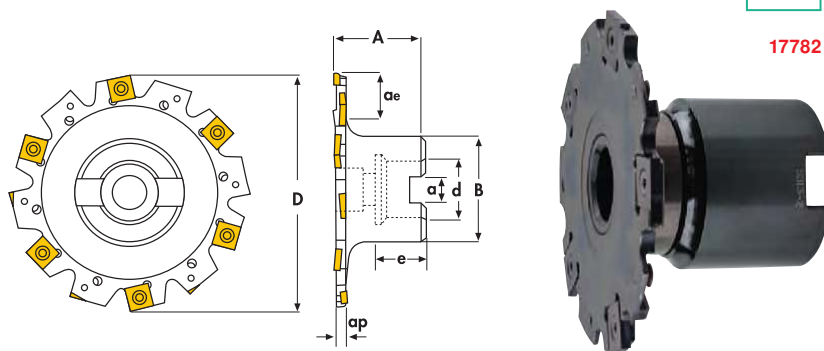


Design

With collar. Three-sided cutting, fixed width.
Generates a slight arched shape in the groove base.
Supplied with clamping screws.

Applications

For bolted indexable inserts.
For slitting, cutting and grooving.



17782

For indexable inserts SNHX 1102T

D mm	d mm	ap mm	A mm	B mm	a mm	e mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17782	...
63	22	4	50	40	10.4	21	6	3	10.5	SNHX 1102T	VTX 3503	101	101
80	22	4	50	40	10.4	21	8	4	20.2	SNHX 1102T	VTX 3503	104	104
100	27	4	50	48	12.4	23	12	6	24.2	SNHX 1102T	VTX 3503	107	107

For indexable inserts SNHX 1103T

D mm	d mm	ap mm	A mm	B mm	a mm	e mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17782	...
63	22	5	50	40	10.4	21	6	3	10.5	SNHX 1103T	VTX 3504	102	102
80	22	5	50	40	10.4	21	8	4	20.2	SNHX 1103T	VTX 3504	105	105
100	27	5	50	48	12.4	23	12	6	24.2	SNHX 1103T	VTX 3504	108	108

For indexable inserts SNHX 1203T

D mm	d mm	ap mm	A mm	B mm	a mm	e mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17782	...
63	22	6	50	40	10.4	21	6	3	10.5	SNHX 1203T	VTX 405	103	103
80	22	6	50	40	10.4	21	8	4	20.2	SNHX 1203T	VTX 405	106	106
100	27	6	50	48	12.4	23	10	5	24.2	SNHX 1203T	VTX 405	109	109
125	40	6	50	70	16.4	30	12	6	23.7	SNHX 1203T	VTX 405	111	111
160	40	6	50	70	16.4	30	16	8	41.2	SNHX 1203T	VTX 405	113	113

For indexable inserts SNHX 1205T

D mm	d mm	ap mm	A mm	B mm	a mm	e mm	Z	Z eff.	Cutting depth ae max. mm	Indexable inserts	Clamping screws	17782	...
100	27	10	50	48	12.4	23	10	5	24.2	SNHX 1205T	VTX 408	110	110
125	40	10	50	70	16.4	30	12	6	23.7	SNHX 1205T	VTX 408	112	112
160	40	10	50	70	16.4	30	16	8	41.2	SNHX 1205T	VTX 408	114	114

Indexable inserts and spare parts

17785 - 17786

Applications
Carbide type
Coating



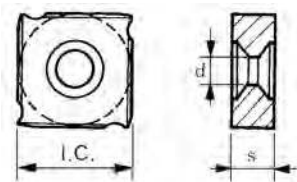
HC 4630
TiAlN-coated



HW 7415
Uncoated



ISO designation	I.C. mm	d mm	s mm		17785	...	17786	...
SNHX 1102T	11.0	4.4	2.3	10 pcs.	101	101	101	101
SNHX 1103T	11.0	4.4	2.7	10 pcs.	102	102	102	102
SNHX 1203T	12.7	5.0	3.2	10 pcs.	103	103	103	103
SNHX 1205T	12.7	5.0	5.4	10 pcs.	105	105	105	105



Clamping screws



Wrench



Type	Size	TX size	17789	...	52529	...
VTX 3503	M 3.5 x 3	9	101	101	404	404
VTX 3504	M 3.5 x 4	9	102	102	404	404
VTX 405	M 4.0 x 5	15	103	103	406	406
VTX 408	M 4.0 x 8	15	104	104	406	406

Al<10%Si	Al>10%Si	Cu	St<520N	St<750N	St<900N	St<1100N	St<1200N	St<1400N	<45HRC	<55HRC	<60HRC	<67HRC	VA<900N	VA>900N	Ti alloy	GG(G)	Plastic
300-350	300-350	-	140-200	140-200	140-200	120-150	120-150	120-150	-	-	-	-	130-160	130-160	-	100-140	-

