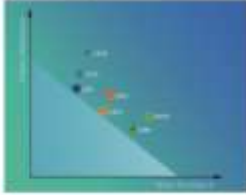


Performance Comparison



CBN DYS CBN

Excellent impact resistance. Suitable for variable geometries/conditions with extremely high performance requirements.

DYS DPC3

Good impact resistance and high stability. Suitable for drilling in medium-hard geometries/conditions.

DPC4 DPC4

Excellent impact resistance. Suitable for drilling in soft-medium geometries/conditions.

Standard Specifications

Grade	100	104	108	112
100	104	108	112	116
104	108	112	116	120
108	112	116	120	124
112	116	120	124	128
116	120	124	128	132
120	124	128	132	136

Remark: See also standard 011121 for more information.



PDC for Mining

Excellent impact resistance. Suitable for drilling in soft-medium geometries/conditions with extremely high performance requirements.



PCD for Cutting Tools

Excellent impact resistance. Suitable for drilling in soft-medium geometries/conditions with extremely high performance requirements.



Standard Specifications

Grade	100	104	108	112
100	104 <td>108 <td>112 <td>116</td> </td></td>	108 <td>112 <td>116</td> </td>	112 <td>116</td>	116
104	108 <td>112 <td>116 <td>120</td> </td></td>	112 <td>116 <td>120</td> </td>	116 <td>120</td>	120
108	112 <td>116 <td>120 <td>124</td> </td></td>	116 <td>120 <td>124</td> </td>	120 <td>124</td>	124
112	116 <td>120 <td>124 <td>128</td> </td></td>	120 <td>124 <td>128</td> </td>	124 <td>128</td>	128
116	120 <td>124 <td>128 <td>132</td> </td></td>	124 <td>128 <td>132</td> </td>	128 <td>132</td>	132
120	124 <td>128 <td>132 <td>136</td> </td></td>	128 <td>132 <td>136</td> </td>	132 <td>136</td>	136

Remark: See also standard 011121 for more information.

Standard Specifications

Grade	100	104	108	112
100	104	108	112	116
104	108	112	116	120
108	112	116	120	124
112	116	120	124	128
116	120	124	128	132
120	124	128	132	136

Remark: See also standard 011121 for more information.

Thermally stable polycrystalline
diamond / TSP

Excellent impact resistance. Suitable for drilling in soft-medium geometries/conditions with extremely high performance requirements.




Grade	100	104	108	112
100	104	108	112	116
104	108	112	116	120
108	112	116	120	124
112	116	120	124	128
116	120	124	128	132
120	124	128	132	136
124	128	132	136	140
128	132	136	140	144
132	136	140	144	148
136	140	144	148	152
140	144	148	152	156
144	148	152	156	160
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152	156	160	164	168
156	160	164	168	172
160	164	168	172	176
164	168	172	176	180
168	172	176	180	184
172	176	180	184	188
176	180	184	188	192
180	184	188	192	196
184	188	192	196	200
188	192	196	200	204
192	196	200	204	208
196	200	204	208	212
200	204	208	212	216
204	208	212	216	220
208	212	216	220	224
212	216	220	224	228
216	220	224	228	232
220	224	228	232	236
224	228	232	236	240
228	232	236	240	244
232	236	240	244	248
236	240	244	248	252
240	244	248	252	256
244	248	252	256	260
248	252	256	260	264
252	256	260	264	268
256	260	264	268	272
260	264	268	272	276
264	268	272	276	280
268	272	276	280	284
272	276	280	284	288
276	280	284	288	292
280	284	288	292	296
284	288	292	296	300
288	292	296	300	304
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312	316	320	324	328
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320	324	328	332	336
324	328	332	336	340
328	332	336	340	344
332	336	340	344	348
336	340	344	348	352
340	344	348	352	356
344	348	352	356	360
348	352	356	360	364
352	356	360	364	368
356	360	364	368	372
360	364	368	372	376
364	368	372	376	380
368	372	376	380	384
372	376	380	384	388
376	380	384	388	392
380	384	388	392	396
384	388	392	396	400
388	392	396	400	404
392	396	400	404	408
396	400	404	408	412
400	404	408	412	416
404	408	412	416	420
408	412	416	420	424
412	416	420	424	428
416	420	424	428	432
420	424	428	432	436
424	428	432	436	440
428	432	436	440	444
432	436	440	444	448
436	440	444	448	452
440	444	448	452	456
444	448	452	456	460
448	452	456	460	464
452	456	460	464	468
456	460	464	468	472
460	464	468	472	476
464	468	472	476	480
468	472	476	480	484
472	476	480	484	488
476	480	484	488	492
480	484	488	492	496
484	488	492	496	500
488	492	496	500	504
492	496	500	504	508
496	500	504	508	512
500	504	508	512	516
504	508	512	516	520
508	512	516	520	524
512	516	520	524	528
516	520	524	528	532
520	524	528	532	536
524	528	532	536	540
528	532	536	540	544
532	536	540	544	548
536	540	544	548	552
540	544	548	552	556
544	548	552	556	560
548	552	556	560	564
552	556	560	564	568
556	560	564	568	572
560	564	568	572	576
564	568	572	576	580
568	572	576	580	584
572	576	580	584	588
576	580	584	588	592
580	584	588	592	596
584	588	592	596	600
588	592	596	600	604
592	596	600	604	608
596	600	604	608	612
600	604	608	612	616
604	608	612	616	620
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620	624	628	632	636
624	628	632	636	640
628	632	636	640	644
632	636	640	644	648
636	640	644	648	652
640	644	648	652	656
644	648	652	656	660
648	652	656	660	664
652	656	660	664	668
656	660	664	668	672
660	664	668	672	676
664	668	672	676	680
668	672	676	680	684
672	676	680	684	688
676	680	684	688	692
680	684	688	692	696
684	688	692	696	700
688	692	696	700	704
692	696	700	704	708
696	700	704	708	712
700	704	708	712	716
704	708	712	716	720
708	712	716	720	724
712	716	720	724	728
716	720	724	728	732
720	724	728	732	736
724	728	732	736	740
728	732	736	740	744
732	736	740	744	748
736	740	744	748	752
740	744	748	752	756
744	748	752	756	760
748	752	756	760	764
752	756	760	764	768
756	760	764	768	772
760	764	768	772	776
764	768	772	776	780
768	772	776	780	784
772	776	780	784	788
776	780	784	788	792
780	784	788	792	796
784	788	792	796	800
788	792	796	800	804
792	796	800	804	808
796	800	804	808	812
800	804	808	812	816
804	808	812	816	820
808	812	816	820	824
812	816	820	824	828
816	820	824	828	832
820	824	828	832	836
824	828	832	836	840
828	832	836		

Dome PDC

High PDC dome-shaped components are used in various applications, including high-pressure cells, microfluidic devices, and optical components. They are typically made from diamond or silicon carbide and are characterized by their high thermal conductivity, high strength, and high chemical stability.

Standard Specification



Part No.	Material	Dimensions
1001	Diamond	10mm x 10mm x 5mm
1002	Silicon Carbide	15mm x 15mm x 7mm
1003	Diamond	20mm x 20mm x 10mm
1004	Silicon Carbide	25mm x 25mm x 12mm

Material: Diamond/Silicon Carbide

