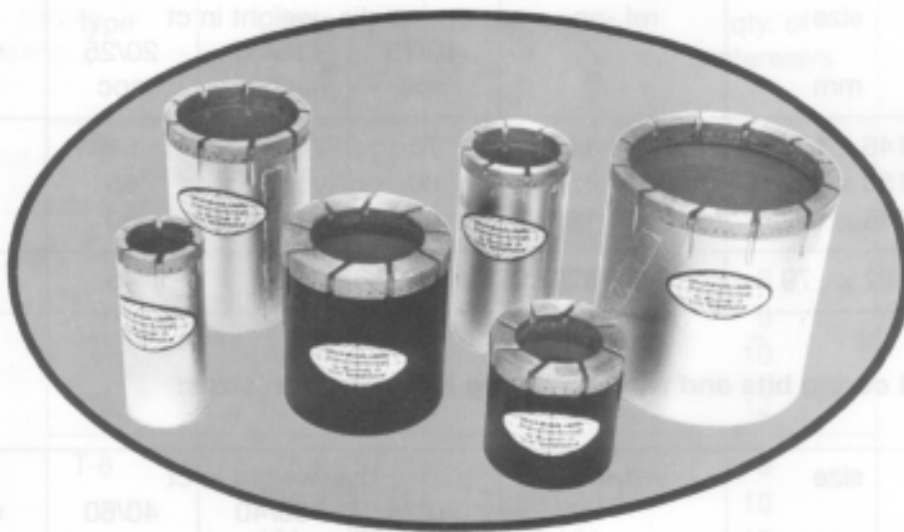


4.2 Dieckmann diamond impregnated bits



Diamonds

For diamond impregnated bits **Dieckmann** only uses the highest quality of monocrystalline synthetic diamonds.

The consistency of shape, granular size and strength make these diamonds better than natural stones.

Matrixes

Six different matrixes are available:

- SS** very soft matrix for very hard to extremely hard non abrasive formations
- S** soft matrix for hard to very hard non abrasive formations
- SH** soft to medium hard matrix for hard non abrasive formations
- MH** medium hard matrix for hard to very hard slightly abrasive formations or medium hard medium abrasive formations and for reenforced concrete

MH/EH medium to hard matrix for medium abrasive formations

EH hard matrix for abrasive formations

EEH very hard matrix for very abrasive formations

Impregnation heights

Three different standard impregnation heights are available and that are 4, 6 and 7.5 mm. Other impregnation heights are available on request.

Profiles

Two different profiles are available and that are flat profile for all formations and V-profile only for non cracked formations. The flat profile is standard.

Diamond concentration

As standard **Dieckmann** uses concentration 50. Other concentrations are available on request.

Waterways

Narrow waterways (3 mm width) are standard. Wider waterways (especially in cracked formations) are available on request.

Remarks:

Face discharge, scallops and TC reinforced bodies are available for all types of bits if possible.

All possible combinations of matrixes, impregnation heights, profiles, widths of waterways, qty. of waterways and concentrations are available.

Also non standard diameters are available on request.

If a type of bit is required that is not shown in the tables, **Dieckmann** will probably have all necessary data to produce the bit. If not, a drawing or a sample will be sufficient for us to do it.

Diamond impregnated coring bits:

type	size mm	ref.-no.	qty. of waterways
B	36 x 22	3201 036	4
	46 x 32	3201 046	5
	56 x 42	3201 056	6
	66 x 52	3201 066	8
	76 x 62	3201 076	9
	86 x 72	3201 086	10
	101 x 87	3201 101	12
	116 x 102	3201 116	15
	131 x 117	3201 131	16
	146 x 132	3201 146	18



Diamond impregnated coring bits:

type	size mm	ref.-no.	qty. of waterways
T-2	36 x 22	3202 036	4
	46 x 32	3202 046	5
	56 x 42	3202 056	6
	66 x 52	3202 066	8
	76 x 62	3202 076	9
	86 x 72	3202 086	10
	101 x 84	3202 101	12
T-6	76 x 57	3203 076	9
	86 x 67	3203 086	10
	101 x 79	3203 101	12
	116 x 93	3203 116	15
	131 x 108	3203 131	16
	146 x 123	3203 146	18
TT	46 x 35.6	3205 046	5
	56 x 45.6	3205 056	6
D	76 x 56	3206 076	9
	86 x 66	3206 086	10
	101 x 81	3206 101	12
	116 x 96	3206 116	15
	131 x 110	3206 131	16
	146 x 122	3206 146	18
K-3	66 x 38	3207 066	8
	76 x 48	3207 076	9
	86 x 58	3207 086	10
	101 x 72	3207 101	12
	116 x 86	3207 116	15
	131 x 101	3207 131	16
	146 x 116 176 x 140	3207 146 3207 176	18 24
F	101 x 72	3208 101	12
	116 x 86	3208 116	15
	131 x 101	3208 131	16
	146 x 116	3208 146	18



Surface setted **Diamond impregnated coring bits:**

type	size mm	ref.-no.	qty. of waterways
Z	66 x 44	3209 066	8
	76 x 54	3209 076	9
	86 x 62	3209 086	10
	101 x 75	3209 101	12
	116 x 90	3209 116	15
	131 x 105	3209 131	16
	146 x 120	3209 146	18
Y	66 x 44	3210 066	8
	76 x 54	3210 076	9
	86 x 62	3210 086	10
	101 x 75	3210 101	12
Casing shoes	46 x 37	3212 046	5
	56 x 47	3212 056	6
	66 x 57	3212 066	8
	76 x 67	3212 076	9
	86 x 77	3212 086	10
	101 x 89	3212 101	12
	116 x 104	3212 116	15
	131 x 119	3212 131	16
Casing bits	46 x 35	3213 046	5
	56 x 45	3213 056	6
	66 x 55	3213 066	8
	76 x 65	3213 076	9
	86 x 75	3213 086	10
	101 x 86.5	3213 101	12
	116 x 101.5	3213 116	15
	131 x 116.5	3213 131	16
SK-6-L Geobor CSK-146	146 x 102	3224 146	18
	150 x 102	3224 150	18
	165 x 102	3224 165	18



Surface setted **Diamond impregnated coring bits:**

type	size mm	ref.-no.	qty. of waterways	
Concave	AQ	47.8 x 26.9	3218 0AQ	5
	BQ	59.7 x 36.3	3218 0BQ	8
	NQ	75.4 x 47.5	3218 0NQ	9
	HQ	95.8 x 63.4	3218 0HQ	10
	PQ	122.3 x 84.8	3218 0PQ	15
	CHD	101.0 x 63.5	3221 CHD	12
	CP	122.6 x 85.0	3219 0CP	15
	DCDMA	2-3/4x3-7/8	3217 378	12
	large	4 x 5-1/2	3217 512	18
	serie	6 x 7-3/4	3217 734	24
	HXB-1	95.4 x 61.8	3223 0HX	12
	HXB-2	95.4 x 61.2	3223 0HX	12

Surface setted casing shoes metric sizes:

56 x 36	3212 080	5	3
56 x 44	3212 088	7	4
56 x 52	3212 096	9	5
56 x 60	3212 104	10	6
56 x 68	3212 112	11	7
56 x 76	3212 120	12	8
101 x 60	3212 101	13	9
101 x 68	3212 109	14	10
101 x 76	3212 117	15	11
101 x 84	3212 125	16	12

Surface setted casing bits metric sizes:

48 x 35	3224 188	6	5
58 x 45	3224 196	8	7
68 x 55	3224 204	10	9
78 x 65	3224 212	12	11
88 x 75	3224 220	14	13
101 x 86.5	3224 228	16	15
118 x 101.5	3224 236	18	17
131 x 116.5	3224 244	20	19
146 x 131.5	3224 252	22	21

