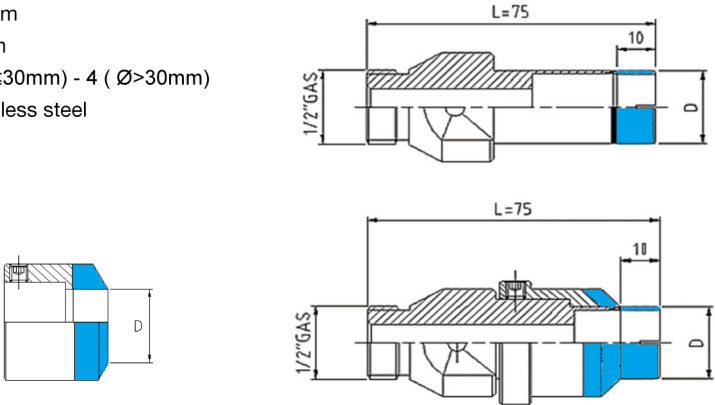


DRILLING

Application recommendations

Fitting	1/2" gas
Total length	75 mm (69mm upon request & 95mm using adaptor)
Diameter	5mm - 70mm (<5 & >70mm upon request)
Working lenght	22 mm
Diamond rim height	10 mm
Rim Thickness	1 mm
Slots	2 (Ø≤30mm) - 4 (Ø>30mm)
Material	Stainless steel



Process parameters

Glass		Recommended peripheral speed	Drilling rate with water	Drilling rate with coolant	Countersink speed
Float	3-8	3 m/s	up to 2 mm/s	up to 2,5 mm/s	up to 0,25 mm/s
Float	10-19	3 m/s	up to 1 mm/s	up to 1,3 mm/s	up to 0,25 mm/s
Laminated	up to 30	3 m/s	up to 1 mm/s	up to 1,3 mm/s	up to 0,25 mm/s

Operating conditions

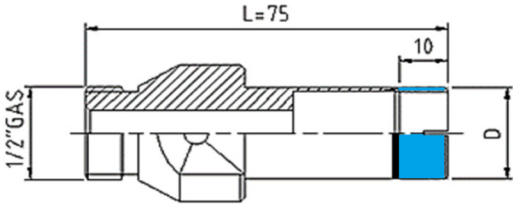
Core Drills			
Ø	RPM	Per.speed	Max deep speed
5	8000	2,09	1,75 mm/sec
10	5600	2,93	1,75 mm/sec
15	3800	2,98	1,75 mm/sec
20	2800	2,93	1,50 mm/sec
25	2300	3,01	1,50 mm/sec
30	1900	2,98	0,75 mm/sec
40	1400	2,93	0,75 mm/sec
50	1200	3,14	0,50 mm/sec
60	1000	3,14	0,35 mm/sec

Core Drills with mobile countersink				
Ø	RPM	Per.speed	Max deep speed	Max count speed
5	8000	2,09	1,75 mm/sec	0,25 mm/sec
10	5600	2,93	1,75 mm/sec	0,25 mm/sec
15	3800	2,98	1,75 mm/sec	0,25 mm/sec
20	2800	2,93	1,50 mm/sec	0,25 mm/sec
25	2300	3,01	1,50 mm/sec	0,25 mm/sec
30	1900	2,98	0,75 mm/sec	0,25 mm/sec
40	1400	2,93	0,75 mm/sec	0,25 mm/sec
50	1200	3,14	0,50 mm/sec	0,25 mm/sec
60	1000	3,14	0,35 mm/sec	0,25 mm/sec

CORE DRILLS - L=75mm - Standard

Core Drills - L=75mm - LU=22mm

Core Drills - 1/2" GAS - (RD3592)

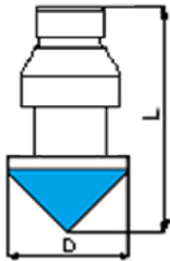


T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
75	1/2" Gas DX	FLOT	3	34176568	4	34005468
75	1/2" Gas DX	FLOT	5	34007801	6	34008385
75	1/2" Gas DX	FLOT	7	34070226	8	34008366
75	1/2" Gas DX	FLOT	9	34005928	10	34056834
75	1/2" Gas DX	FLOT	11	34007794	12	34048255
75	1/2" Gas DX	FLOT	13	34011421	14	34005930
75	1/2" Gas DX	FLOT	15	34010561	16	34047477
75	1/2" Gas DX	FLOT	17	34011422	18	34070227
75	1/2" Gas DX	FLOT	19	34070229	20	34047478
75	1/2" Gas DX	FLOT	21	34011424	22	34067086
75	1/2" Gas DX	FLOT	23	34011425	24	34008387
75	1/2" Gas DX	FLOT	25	34047479	26	34067088
75	1/2" Gas DX	FLOT	27	34011427	28	34008389
75	1/2" Gas DX	FLOT	29	34011428	30	34008365
75	1/2" Gas DX	FLOT	31	34011429	32	34011430
75	1/2" Gas DX	FLOT	33	34011431	34	34047480
75	1/2" Gas DX	FLOT	35	34008390	36	34008391
75	1/2" Gas DX	FLOT	37	34011433	38	34011434
75	1/2" Gas DX	FLOT	39	34011435	40	34011436
75	1/2" Gas DX	FLOT	41	34007795	42	34011423
75	1/2" Gas DX	FLOT	43	34008386	44	34011426
75	1/2" Gas DX	FLOT	45	34008392	46	34008388
75	1/2" Gas DX	FLOT	47	34070232	48	34011432
75	1/2" Gas DX	FLOT	49	34005469	50	34008393
75	1/2" Gas DX	FLOT	51	34405172	52	34355371
75	1/2" Gas DX	FLOT	53		54	
75	1/2" Gas DX	FLOT	55	34208585	56	
75	1/2" Gas DX	FLOT	57		58	
75	1/2" Gas DX	FLOT	59	34213407	60	62475
75	1/2" Gas DX	FLOT	61		62	34254238
75	1/2" Gas DX	FLOT	63		64	
75	1/2" Gas DX	FLOT	65	34005470	66	34369169
75	1/2" Gas DX	FLOT	67	34290216	68	34203924
75	1/2" Gas DX	FLOT	69		70	704673

COUNTERSINK - L=75mm - Standard

Countersink - L=75mm

Countersink - 1/2" GAS

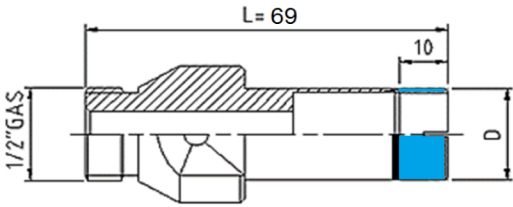


Ø	L	Angle	Fitting	Drawing	Sysnr /gr.	Price
					D91	EUF
35	75	90	1/2" Gas DX	480193	34054069	3
65	75	90	1/2" Gas DX	480154	34054058	38

CORE DRILLS - L=69mm - Vertmax

Core Drills - L=69mm - LU=20mm

Core Drills - 1/2" GAS - (FLOT - RD4709)

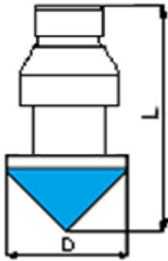


T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
69	1/2" Gas DX	FLOT	5		6	
69	1/2" Gas DX	FLOT	7		8	
69	1/2" Gas DX	FLOT	9		10	
69	1/2" Gas DX	FLOT	11		12	34500496
69	1/2" Gas DX	FLOT	13		14	34488618
69	1/2" Gas DX	FLOT	15		16	
69	1/2" Gas DX	FLOT	17		18	
69	1/2" Gas DX	FLOT	19		20	34500497
69	1/2" Gas DX	FLOT	21		22	
69	1/2" Gas DX	FLOT	23		24	
69	1/2" Gas DX	FLOT	25		26	
69	1/2" Gas DX	FLOT	27		28	
69	1/2" Gas DX	FLOT	29		30	
69	1/2" Gas DX	FLOT	31		32	
69	1/2" Gas DX	FLOT	33		34	
69	1/2" Gas DX	FLOT	35		36	
69	1/2" Gas DX	FLOT	37		38	
69	1/2" Gas DX	FLOT	39		40	
69	1/2" Gas DX	FLOT	41		42	
69	1/2" Gas DX	FLOT	43		44	
69	1/2" Gas DX	FLOT	45		46	
69	1/2" Gas DX	FLOT	47		48	
69	1/2" Gas DX	FLOT	49		50	
69	1/2" Gas DX	FLOT	51		52	
69	1/2" Gas DX	FLOT	53		54	
69	1/2" Gas DX	FLOT	55		56	
69	1/2" Gas DX	FLOT	57		58	
69	1/2" Gas DX	FLOT	59		60	
69	1/2" Gas DX	FLOT	61		62	
69	1/2" Gas DX	FLOT	63		64	
69	1/2" Gas DX	FLOT	65		66	
69	1/2" Gas DX	FLOT	67		68	
69	1/2" Gas DX	FLOT	69		70	

COUNTERSINK - L=69mm - Vertmax

Countersink - L=69mm

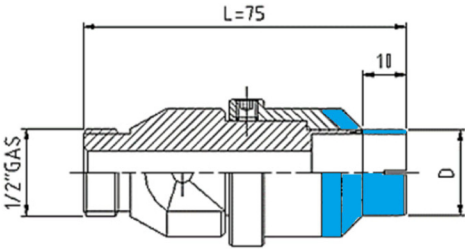
Countersink - 1/2" GAS



Ø	L	Angle	Fitting	Drawing	Sysnr /gr.
					D91
35	69	90	1/2" Gas DX	481666	34455564
65	69	90	1/2" Gas DX	481693	34455796

CORE DRILLS WITH MOBILE COUNTERSINK - L=75mm - Standard

Countersink = continuous band



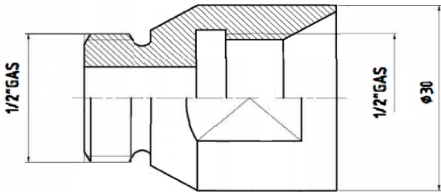
Core Drills with mobile countersink - 1/2" GAS - (RD3857)

T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
75	1/2" Gas DX	FLOT			4	34153455
75	1/2" Gas DX	FLOT	5	34153456	6	34153457
75	1/2" Gas DX	FLOT	7	34153458	8	34153460
75	1/2" Gas DX	FLOT	9	34154601	10	34154602
75	1/2" Gas DX	FLOT	11	34154603	12	34047492
75	1/2" Gas DX	FLOT	13	34154604	14	34154605
75	1/2" Gas DX	FLOT	15	34154606	16	34047493
75	1/2" Gas DX	FLOT	17	34154608	18	34008422
75	1/2" Gas DX	FLOT	19	34008415	20	34034981
75	1/2" Gas DX	FLOT	21	34154609	22	34154610
75	1/2" Gas DX	FLOT	23	34154731	24	34154733
75	1/2" Gas DX	FLOT	25	34047494	26	34154734
75	1/2" Gas DX	FLOT	27	767641	28	34154736
75	1/2" Gas DX	FLOT	29	34154739	30	34155440
75	1/2" Gas DX	FLOT	31	34155482	32	34155483
75	1/2" Gas DX	FLOT	33	34155484	34	34155485
75	1/2" Gas DX	FLOT	35	34155234	36	34155486
75	1/2" Gas DX	FLOT	37	34155489	38	34155490
75	1/2" Gas DX	FLOT	39	34005785	40	34155512
75	1/2" Gas DX	FLOT	41	34155513	42	34155514
75	1/2" Gas DX	FLOT	43	34155515	44	34155516
75	1/2" Gas DX	FLOT	45	34155517	46	34155518
75	1/2" Gas DX	FLOT	47	34155519	48	34155521
75	1/2" Gas DX	FLOT	49	34155522	50	34155235
75	1/2" Gas DX	FLOT	51	34403054	52	34174936
75	1/2" Gas DX	FLOT	53		54	
75	1/2" Gas DX	FLOT	55	34155523	56	
75	1/2" Gas DX	FLOT	57		58	
75	1/2" Gas DX	FLOT	59		60	34155524
75	1/2" Gas DX	FLOT	61		62	
75	1/2" Gas DX	FLOT	63		64	
75	1/2" Gas DX	FLOT	65	34155525	66	
75	1/2" Gas DX	FLOT	67		68	34174937
75	1/2" Gas DX	FLOT	69		70	34155526

Spare core drills and countersinks are available on request (pag. 84 and 85)

Core Drills L75 to L95 Adaptor

Core Drills L75 to L95 Adaptor

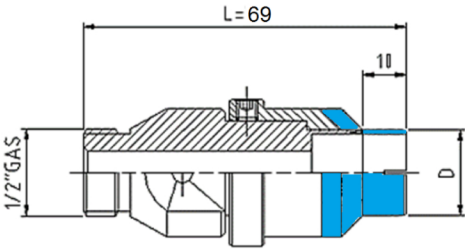


Ø	Fitting M	Fitting F	Drawing	Sysnr
30	1/2" Gas DX	1/2" Gas DX	639626	34158947

CORE DRILLS WITH MOBILE COUNTERSINK - L=69mm - Vertmax

Countersink = continuous band

Core Drills with mobile countersink - 1/2" GAS - (RD4710)



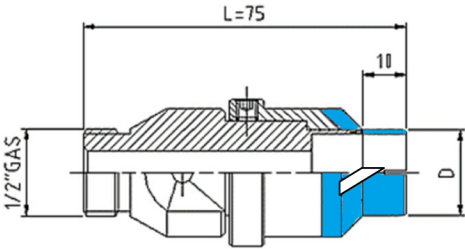
T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
69	1/2" Gas DX	FLOT	5		6	
69	1/2" Gas DX	FLOT	7		8	
69	1/2" Gas DX	FLOT	9		10	
69	1/2" Gas DX	FLOT	11		12	
69	1/2" Gas DX	FLOT	13		14	
69	1/2" Gas DX	FLOT	15		16	
69	1/2" Gas DX	FLOT	17		18	
69	1/2" Gas DX	FLOT	19		20	
69	1/2" Gas DX	FLOT	21		22	
69	1/2" Gas DX	FLOT	23		24	
69	1/2" Gas DX	FLOT	25		26	
69	1/2" Gas DX	FLOT	27		28	
69	1/2" Gas DX	FLOT	29		30	
69	1/2" Gas DX	FLOT	31		32	
69	1/2" Gas DX	FLOT	33		34	
69	1/2" Gas DX	FLOT	35		36	
69	1/2" Gas DX	FLOT	37		38	
69	1/2" Gas DX	FLOT	39		40	
69	1/2" Gas DX	FLOT	41		42	
69	1/2" Gas DX	FLOT	43		44	
69	1/2" Gas DX	FLOT	45		46	
69	1/2" Gas DX	FLOT	47		48	
69	1/2" Gas DX	FLOT	49		50	
69	1/2" Gas DX	FLOT	51		52	
69	1/2" Gas DX	FLOT	53		54	
69	1/2" Gas DX	FLOT	55		56	
69	1/2" Gas DX	FLOT	57		58	
69	1/2" Gas DX	FLOT	59		60	
69	1/2" Gas DX	FLOT	61		62	
69	1/2" Gas DX	FLOT	63		64	
69	1/2" Gas DX	FLOT	65		66	
69	1/2" Gas DX	FLOT	67		68	
69	1/2" Gas DX	FLOT	69		70	

Spare core drills and countersinks are available on request

CORE DRILLS WITH MOBILE COUNTERSINK - L=75mm - Standard

Countersink = continuous band + 4 slots

Core Drills with mobile countersink - 1/2" GAS - (RD4410)



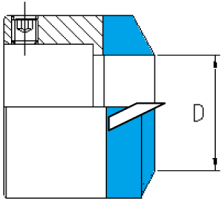
T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
75	1/2" Gas DX	FLOT 4S	5		6	
75	1/2" Gas DX	FLOT 4S	7		8	
75	1/2" Gas DX	FLOT 4S	9		10	
75	1/2" Gas DX	FLOT 4S	11		12	34360245
75	1/2" Gas DX	FLOT 4S	13	34360246	14	
75	1/2" Gas DX	FLOT 4S	15		16	
75	1/2" Gas DX	FLOT 4S	17	34360247	18	
75	1/2" Gas DX	FLOT 4S	19		20	
75	1/2" Gas DX	FLOT 4S	21		22	
75	1/2" Gas DX	FLOT 4S	23		24	
75	1/2" Gas DX	FLOT 4S	25		26	34351820
75	1/2" Gas DX	FLOT 4S	27		28	
75	1/2" Gas DX	FLOT 4S	29		30	34351823
75	1/2" Gas DX	FLOT 4S	31		32	
75	1/2" Gas DX	FLOT 4S	33		34	34360248
75	1/2" Gas DX	FLOT 4S	35		36	
75	1/2" Gas DX	FLOT 4S	37		38	34360249
75	1/2" Gas DX	FLOT 4S	39		40	
75	1/2" Gas DX	FLOT 4S	41		42	
75	1/2" Gas DX	FLOT 4S	43		44	
75	1/2" Gas DX	FLOT 4S	45		46	
75	1/2" Gas DX	FLOT 4S	47		48	
75	1/2" Gas DX	FLOT 4S	49		50	
75	1/2" Gas DX	FLOT 4S	51		52	
75	1/2" Gas DX	FLOT 4S	53		54	
75	1/2" Gas DX	FLOT 4S	55		56	
75	1/2" Gas DX	FLOT 4S	57		58	
75	1/2" Gas DX	FLOT 4S	59		60	
75	1/2" Gas DX	FLOT 4S	61		62	
75	1/2" Gas DX	FLOT 4S	63		64	
75	1/2" Gas DX	FLOT 4S	65		66	
75	1/2" Gas DX	FLOT 4S	67		68	
75	1/2" Gas DX	FLOT 4S	69		70	

Spare core drills and countersinks are available on request (pag. 82 and 84)

SPARE PARTS: COUNTERSINK FOR CORE DRILLS

Countersink = continuous band + 4 slots

Countersink for Core Drills - (RD4461)

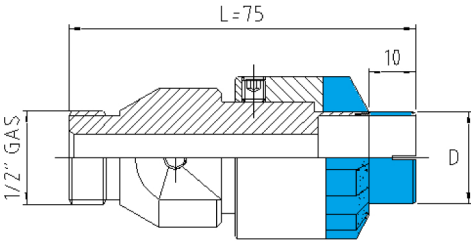


T	X	Spec.	Ø	Sysnr	Ø	Sysnr
29	5	FLOT 4S	≥ 5	upon request	≤ 70	upon request

CORE DRILLS WITH MOBILE COUNTERSINK - L=75mm - Standard

Countersink = segmented

Core Drills with mobile countersink - 1/2" GAS - (RD4453)



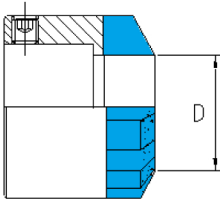
T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
75	1/2" Gas DX	FLOT	5		6	
75	1/2" Gas DX	FLOT	7		8	
75	1/2" Gas DX	FLOT	9		10	
75	1/2" Gas DX	FLOT	11		12	
75	1/2" Gas DX	FLOT	13		14	
75	1/2" Gas DX	FLOT	15		16	
75	1/2" Gas DX	FLOT	17		18	
75	1/2" Gas DX	FLOT	19		20	
75	1/2" Gas DX	FLOT	21		22	
75	1/2" Gas DX	FLOT	23		24	
75	1/2" Gas DX	FLOT	25	34401617	26	34414575
75	1/2" Gas DX	FLOT	27		28	
75	1/2" Gas DX	FLOT	29		30	
75	1/2" Gas DX	FLOT	31		32	
75	1/2" Gas DX	FLOT	33		34	
75	1/2" Gas DX	FLOT	35		36	
75	1/2" Gas DX	FLOT	37		38	
75	1/2" Gas DX	FLOT	39		40	
75	1/2" Gas DX	FLOT	41		42	
75	1/2" Gas DX	FLOT	43		44	
75	1/2" Gas DX	FLOT	45		46	
75	1/2" Gas DX	FLOT	47		48	
75	1/2" Gas DX	FLOT	49		50	
75	1/2" Gas DX	FLOT	51		52	
75	1/2" Gas DX	FLOT	53		54	
75	1/2" Gas DX	FLOT	55		56	
75	1/2" Gas DX	FLOT	57		58	
75	1/2" Gas DX	FLOT	59		60	

Spare core drills and countersinks are available on request (pag. 83 and 84)

SPARE PARTS: COUNTERSINK FOR CORE DRILLS

Countersink = segmented

Countersink for Core Drills - (RD4462)

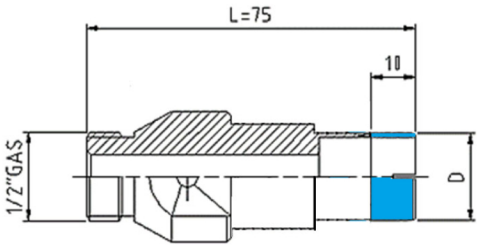


T	X	Spec.	Ø	Sysnr	Ø	Sysnr
29	5	FLOT	≥ 5	upon request	≤ 60	upon request

SPARE PARTS: CORE DRILLS FOR MOBILE COUNTERSINK - L=75mm

Core Drills - L=75mm - LU=15mm

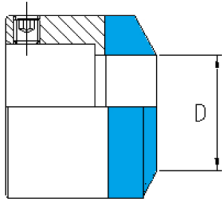
Core Drills - 1/2" GAS - (RD4151)



T	Fitting	Spec.	Ø	Sysnr	Ø	Sysnr
75	1/2" Gas DX	FLOTxSV	5		6	34377247
75	1/2" Gas DX	FLOTxSV	7	34428465	8	34426501
75	1/2" Gas DX	FLOTxSV	9	34377248	10	34377249
75	1/2" Gas DX	FLOTxSV	11	34426502	12	34288241
75	1/2" Gas DX	FLOTxSV	13	34216214	14	34288242
75	1/2" Gas DX	FLOTxSV	15	34216217	16	34288243
75	1/2" Gas DX	FLOTxSV	17	34290660	18	34290701
75	1/2" Gas DX	FLOTxSV	19	34290702	20	34288244
75	1/2" Gas DX	FLOTxSV	21	34288245	22	34288246
75	1/2" Gas DX	FLOTxSV	23	34290704	24	34288247
75	1/2" Gas DX	FLOTxSV	25	34288248	26	34216219
75	1/2" Gas DX	FLOTxSV	27	34216220	28	34290707
75	1/2" Gas DX	FLOTxSV	29		30	34288249
75	1/2" Gas DX	FLOTxSV	31		32	34290708
75	1/2" Gas DX	FLOTxSV	33		34	34290709
75	1/2" Gas DX	FLOTxSV	35	34290710	36	34290711
75	1/2" Gas DX	FLOTxSV	37		38	
75	1/2" Gas DX	FLOTxSV	39		40	34290712
75	1/2" Gas DX	FLOTxSV	41		42	34290713
75	1/2" Gas DX	FLOTxSV	43		44	
75	1/2" Gas DX	FLOTxSV	45	34290714	46	
75	1/2" Gas DX	FLOTxSV	47		48	34290715
75	1/2" Gas DX	FLOTxSV	49		50	34290716
75	1/2" Gas DX	FLOTxSV	51		52	
75	1/2" Gas DX	FLOTxSV	53		54	34377250
75	1/2" Gas DX	FLOTxSV	55	34217706	56	
75	1/2" Gas DX	FLOTxSV	57		58	
75	1/2" Gas DX	FLOTxSV	59		60	
75	1/2" Gas DX	FLOTxSV	61		62	
75	1/2" Gas DX	FLOTxSV	63		64	
75	1/2" Gas DX	FLOTxSV	65		66	
75	1/2" Gas DX	FLOTxSV	67		68	34444294
75	1/2" Gas DX	FLOTxSV	69		70	34360335

SPARE PARTS: COUNTERSINK FOR CORE DRILLS

Countersink = continuous band



Countersink for Core Drills - (RD4110)

T	X	Spec.	Ø	Sysnr	Ø	Sysnr
29	5	FLOT	5		6	34290959
29	5	FLOT	7		8	34290960
29	5	FLOT	9	34377521	10	34299777
29	5	FLOT	11		12	34288321
29	5	FLOT	13	34193509	14	34288322
29	5	FLOT	15	34193510	16	34288326
29	5	FLOT	17	34312540	18	34291001
29	5	FLOT	19	34291002	20	34288327
29	5	FLOT	21	34288328	22	34288329
29	5	FLOT	23	34364687	24	34288330
29	5	FLOT	25	34288341	26	34193521
29	5	FLOT	27	34193522	28	
29	5	FLOT	29		30	34288342
29	5	FLOT	31		32	34456718
29	5	FLOT	33		34	
29	5	FLOT	35		36	34364689
29	5	FLOT	37	34364690	38	34456719
29	5	FLOT	39		40	
29	5	FLOT	41		42	
29	5	FLOT	43		44	
29	5	FLOT	45	34291003	46	
29	5	FLOT	47		48	
29	5	FLOT	49		50	34291004
29	5	FLOT	51		52	34291005
29	5	FLOT	53		54	
29	5	FLOT	55	34193523	56	
29	5	FLOT	57		58	
29	5	FLOT	59		60	
29	5	FLOT	61		62	
29	5	FLOT	63		64	
29	5	FLOT	65	34364693	66	
29	5	FLOT	67		68	34291006
29	5	FLOT	69		70	

DRESSING STICKS FOR DRILLING STATION



Dimensions (mm)	Thickness	Grit	Unit of Purchase	Sysnr	Pri
200 x 50	8 mm	120	90	34388666	2,6