27, 30, 33 are commonly used, please disregard the rest Chinese Characters.

具体 12-45 中的哪个,需要指定 最常用 27、30、33 这三个号。 如果产品不大,可以用火花是可以做到。 但产品大了,直接打火花,不容易做出均匀的纹。 打完火花,抛光后再腐蚀纹。



Ra 值对应表



According to a (German) Document the VDI surfaces correspond to the following Ra / Rz Values and require the following drafting angles:

```
DA-PC;
VDI:
     Ra; Rz; DA-PA;
                             DA-ABS
               0; 1,0; 0,5
12;
    0, 40; 1, 5;
15; 0, 56; 2, 4; 0, 5; 1, 0; 0, 5
18; 0,80; 3,3; 0,5; 1,0; 0,5
21; 1, 12; 4, 7; 0, 5; 1, 0; 0, 5
24; 1,60; 6,5; 0,5; 1,5; 1,0
27; 2, 24; 10, 5; 1, 0; 2, 0; 1, 5
30; 3, 15; 12, 5; 1, 5; 2, 0; 2, 0
33; 4, 50; 17, 5; 2, 0; 3, 0; 2, 5
36; 6, 30; 24, 0; 2, 5; 4, 0; 3, 0
39; 9,00; 34,0; 3,0; 5,0; 4,0
42;
   12, 50; 48, 0; 4, 0; 6, 0; 5, 0
                      7, 0
45;
   18,00; 69,0; 5,0;
```

DA-PA = Drafting Angle for Polyamide
DA-PC = Drafting Angle for Polycarbonate
DA-ABS = Drafting Angle for Acrilnitrile-Butadiene-Styrol

glass reinforced materials require more drafting

光洁度对照表

CHARMILLS 火花纹(VDI 3400标准) CHARMILLS 火花纹数据(VDI 3400标准)

火花电蚀的光洁度表				VDI 3400	Ra		classes	21	1.12	44.8	
MDC		VDI3400 (HASCO)		CH No.	μm	hin	ISO 1302 (1992)	22 23	1.26 1.40	50.4 56	
Grade	Ra(µm)	Grade	Ra(µm)	0	9.19	4	N3	24	1.62	63	
B1		0	0.10	1	0.11	4.4	1	25	1.80	72	N
B2		3	0.15	2	0.12	4.8	1	26	2.00	80	
	1	6	0.20	3	0.14	5.6		27	2.2	88	
В3	-	9	0.30	4	0.16	6.4		28	2.5	100	
Ei	0.45	12	0.40	5	0.18	2	1/4	29	2.8	112	
1022	0.60	15	0.55	6	0.20	8		30	3.2	125	N
E2	9504001	1000	16,184,000	7	0.22	8.8	_	31	3.5	140	
E3	0.80	18	0.80	,	_		_	- 32	4.0	160	
		21	1.10	8	0.25	10		33	4.5	180	
E4	1.50	24	1.60	9	0.28	11.2		34	5.0	200	
		27	2.20	10	0.32	12.8		35	5.6	224	
	0.00	12/10/	UNIVERSAL STATE OF THE PARTY OF	11	0.35	14	N5	36	6.3	250	N
E5	3.00	30	3.20	12	0.40	16		37	7	280	510
E6	4.00	33	4.50	13	0.45	18		38	8	320	
E7	5.50	36	6.30	14	0.50	20		39	9	360	
E8	8.00			15	0.56	22.4		40	10	400	
E9	9.50	39	9.00	16	0.63	25.2	Para Caraca	41	11.2	448	
E10	12.00	42	12.50	17	0.70	28		42	12.6	500	N
Sword :		11.60	14.50	18	0.80	32	N6	43	14	560	
E11	15.00			19	0.90	36		44	16	640	
E12	18.00	45	18.00	20	1.00	40		45	18	760	