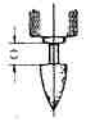




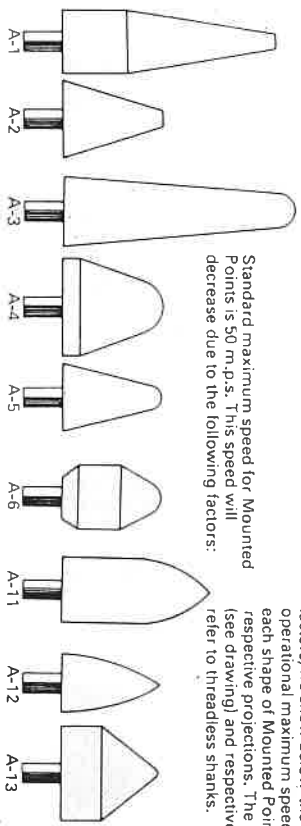
CARBORUNDUM

Mounted Points
Requirements for Safety Standards

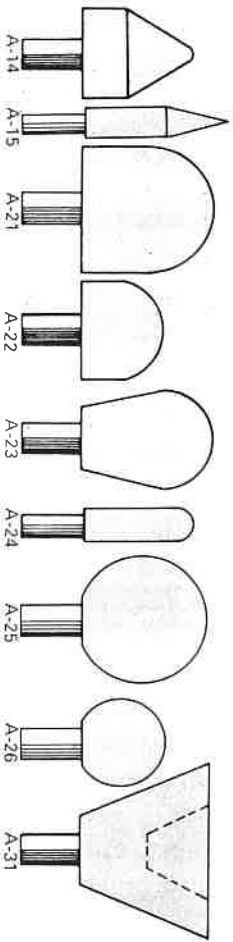


1. Shape and size of the Mounted Point
2. Shank dimensions.
3. Shank projection ("O") measurement).
4. Mounted Point specifications.

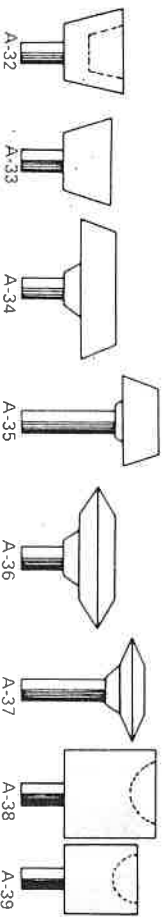
Dimension "O" - Shank
Taking into consideration the first three factors, we show below the operational maximum speeds (rpm) for each shape of Mounted Point and respective projections. The projections (see drawing) and respective speeds decrease due to the following factors:



Type	A-1	A-2	A-3	A-4	A-5	A-6	A-11	A-12	A-13
D	19,0	25,4	25,4	31,8	19,0	19,0	22,2	17,5	28,6
T	63,5	31,8	69,8	31,8	28,6	28,6	44,4	31,8	28,6



Type	A-14	A-15	A-21	A-22	A-23	A-24	A-25	A-26	A-31
D	17,5	6,4	25,4	19,0	19,0	6,4	25,4	15,9	34,9
T	22,2	27,0	25,4	15,9	25,4	19,0	23,8	14,3	23,4

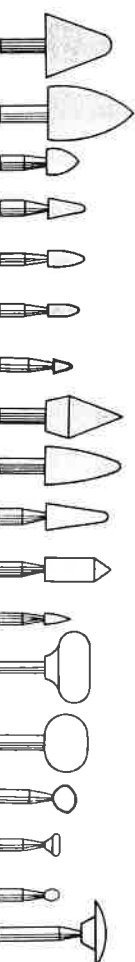


Type	A-32	A-33	A-34	A-35	A-36	A-37	A-38	A-39
D	25,4	25,4	38,1	25,4	41,3	31,8	25,4	19,0
T	15,9	12,7	9,5	9,5	9,5	6,4	25,4	19,0

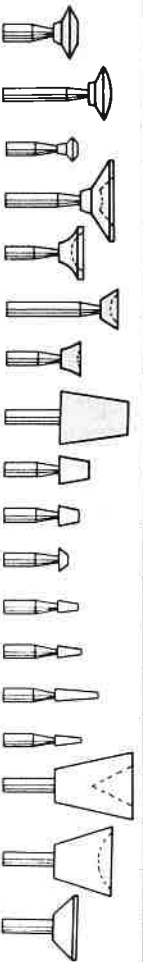
Table of Maximum Speeds in rpm - Standard Specifications - D2 Shank (6.4 mm) Length 40 mm
NA Grain - Pink Aluminum Oxide

Type	Standard Specification	Projection-Measurement "O" 12.7 mm	25.4 mm	Type	Standard Specification	Projection-Measurement "O" 12.7 mm	25.4 mm
A 1	NA36TV10W	19,800	16,500	A 23	NA36TV10W	39,370	30,370
A 2	NA36TV10W	38,200	32,620	A 24	NA60SV10W	76,500	49,500
A 3	NA36TV10W	16,100	13,080	A 25	NA36TV10W	27,370	27,370
A 4	NA36TV10W	30,560	24,750	A 26	NA36TV10W	61,120	46,500
A 5	NA36TV10W	45,000	33,750	A 27	NA36TV10W	27,780	26,250
A 6	NA36TV10W	39,000	29,700	A 32	NA36TV10W	38,200	38,200
A 11	NA36TV10W	19,860	15,100	A 33	NA36TV10W	38,200	38,200
A 12	NA36TV10W	48,000	35,250	A 34	NA36TV10W	25,470	25,470
A 13	NA36TV10W	33,950	32,250	A 35	NA36TV10W	38,200	38,200
A 14	NA36TV10W	55,560	40,500	A 36	NA36TV10W	23,520	23,520
A 15	NA60SV10W	72,750	47,620	A 37	NA36TV10W	30,560	30,560
A 21	NA36TV10W	34,500	26,250	A 38	NA36TV10W	34,500	26,250
A 22	NA36TV10W	50,930	40,500	A 39	NA36TV10W	47,250	35,250

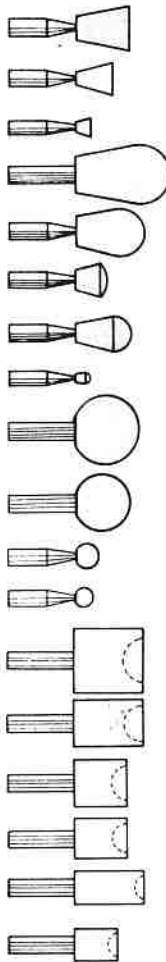
Type "B"



Type	B-41	B-42	B-43	B-44	B-45	B-46	B-47	B-51	B-52	B-53	B-54	B-55	B-61	B-62	B-63	B-64	B-65	B-71
D	15,9	12,7	6,4	5,6	4,8	3,2	3,2	11,1	9,5	7,9	6,4	3,2	19,0	12,7	6,4	6,4	3,2	15,9
T	15,9	19,0	7,9	9,5	7,9	4,0	19,0	19,0	15,9	12,7	6,4	7,9	9,5	4,8	1,6	4,8	3,2	3,2



Type	B-72	B-73	B-74	B-81	B-82	B-83	B-84	B-91	B-92	B-93	B-94	B-95	B-96	B-97	B-98	B-101	B-102	B-103
D	12,7	12,7	5,6	19,0	12,7	9,5	7,9	12,7	6,4	6,4	4,4	3,2	4,8	3,2	2,4	15,9	15,9	15,9
T	3,2	3,2	3,2	1,6	6,4	4,8	6,4	15,9	6,4	4,8	2,4	4,8	6,4	9,5	6,4	17,5	12,7	6,4



Type	B-104	B-105	B-106	B-111	B-112	B-113	B-114	B-115	B-121	B-122	B-123	B-124	B-131	B-132	B-133	B-134	B-135	B-136
D	7,9	6,4	3,2	11,1	9,5	6,4	5,6	2,4	12,7	9,5	4,8	3,2	12,7	9,5	9,5	7,9	6,4	6,4
T	9,5	6,4	4,8	17,5	12,7	6,4	9,5	3,2	11,9	8,7	4,4	2,8	12,7	12,7	9,5	9,5	12,7	7,9