

Chamfering Series

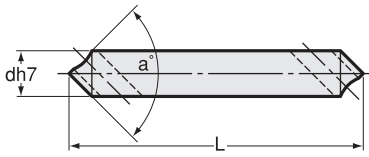


Application	Chamfering drill	Gold chamfering drill	New chamfering drill	Chamfering holder
Deburring and chamfering for soft and ductile material.	Yes	Yes		Yes
Deburring, chamfering and countersinking for hard and in-ductile material			Yes	Yes
Chamfering and deburring with drilling machines.	Yes	Yes	Yes	Yes

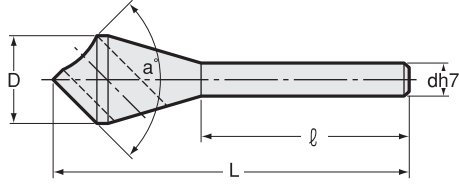
Features	Chamfering drill	Gold chamfering drill	New chamfering drill	Chamfering holder
Various chamfering diameters with only one tool.	Yes	Yes	Yes	Yes
Smooth finish without chatter.	Yes	Yes	Yes	Yes
Easy positioning	Yes	Yes	Yes	Yes
Special gold coating		Yes		
Cobalt high speed steel used			Yes	
Indexable inserts reduces cutting tool costs. (No need for re-grinding.)				Yes
2 types (for hard and soft material) are available.				Yes

Chamfering Drill

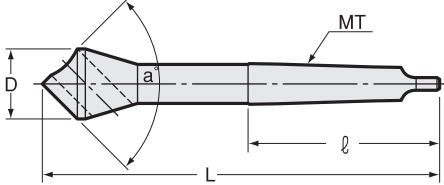
Type1



Type2



Type3



Application

For soft and ductile material. When machining hard and inductile material, please use "NEW CHAMFERING DRILL"

ST

Code	Model	a° Angle	Chamfering dia.	Type	d h7	D	ℓ	L
0030 00004490	04 -ST4 -90°	90°	2 ~ 4	1	4	—	—	50
0030 00006690	06 -ST6 -90°	90°	3 ~ 6	1	6	—	—	50
0030 00008890	08 -ST8 -90°	90°	4 ~ 8	1	8	—	—	50
0030 00009690	09 -ST6 -90°	90°	4 ~ 9	2	6	10	42	55
0030 00014890	14 -ST8 -90°	90°	6 ~ 14	2	8	15	50	70
0030 00181090	18 -ST10 -90°	90°	8 ~ 18	2	10	20	70	100
0030 00231290	23 -ST12 -90°	90°	10 ~ 23	2	12	25	73	110
0030 00281290	28 -ST12 -90°	90°	12 ~ 28	2	12	30	70	120
0030 00009660	09 -ST6 -60°	60°	4 ~ 9	2	6	10	40.5	55
0030 00014860	14 -ST8 -60°	60°	6 ~ 14	2	8	15	48.5	70
0030 00181060	18 -ST10 -60°	60°	8 ~ 18	2	10	20	71	100
0030 00231260	23 -ST12 -60°	60°	10 ~ 23	2	12	25	74	110
0030 00281260	28 -ST12 -60°	60°	12 ~ 28	2	12	30	78	120
0030 00096120	09 -ST6 -120°	120°	4 ~ 9	2	6	10	40.5	55
0030 00148120	14 -ST8 -120°	120°	6 ~ 14	2	8	15	48.5	70
0030 01810120	18 -ST10 -120°	120°	8 ~ 18	2	10	20	71	100
0030 02312120	23 -ST12 -120°	120°	10 ~ 23	2	12	25	74	110
0030 02812120	28 -ST12 -120°	120°	12 ~ 28	2	12	30	78	120

Ordering Example

14 - ST 8 - 90°
 Max. chamfering dia. | Shank size | Angle
 |
 Straight shank

MT

Code	Model	a° Angle	Chamfering dia.	Type	D	ℓ	L	MT
0030 00009190	09 -MT1 -90°	90°	4 ~ 9	3	10	65.5	106	1
0030 00014190	14 -MT1 -90°	90°	6 ~ 14	3	15	65.5	120	1
0030 00014290	14 -MT2 -90°	90°	6 ~ 14	3	15	80	143	2
0030 00018190	18 -MT1 -90°	90°	8 ~ 18	3	20	65.5	130.5	1
0030 00018290	18 -MT2 -90°	90°	8 ~ 18	3	20	80	153	2
0030 00023190	23 -MT1 -90°	90°	10 ~ 23	3	25	65.5	140.5	1
0030 00023290	23 -MT2 -90°	90°	10 ~ 23	3	25	80	167	2
0030 00028290	28 -MT2 -90°	90°	12 ~ 28	3	30	80	174	2
0030 00028390	28 -MT3 -90°	90°	12 ~ 28	3	30	99	199	3
0030 00033290	33 -MT2 -90°	90°	14 ~ 33	3	35	80	180	2
0030 00033390	33 -MT3 -90°	90°	14 ~ 33	3	35	99	205	3
0030 00038290	38 -MT2 -90°	90°	16 ~ 38	3	40	80	185	2
0030 00038390	38 -MT3 -90°	90°	16 ~ 38	3	40	99	210	3
0030 00009160	09 -MT1 -60°	60°	4 ~ 9	3	10	65.5	106	1
0030 00014160	14 -MT1 -60°	60°	6 ~ 14	3	15	65.5	120	2
0030 00014260	14 -MT2 -60°	60°	6 ~ 14	3	15	80	143	2
0030 00018160	18 -MT1 -60°	60°	8 ~ 18	3	20	65.5	130.5	1
0030 00018260	18 -MT2 -60°	60°	8 ~ 18	3	20	80	153	2
0030 00023160	23 -MT1 -60°	60°	10 ~ 23	3	25	65.5	140.5	1
0030 00023260	23 -MT2 -60°	60°	10 ~ 23	3	25	80	167	2
0030 00028260	28 -MT2 -60°	60°	12 ~ 28	3	30	80	174	2
0030 00028360	28 -MT3 -60°	60°	12 ~ 28	3	30	99	199	3
0030 00033260	33 -MT2 -60°	60°	14 ~ 33	3	35	80	180	2
0030 00033360	33 -MT3 -60°	60°	14 ~ 33	3	35	99	205	3
0030 00038260	38 -MT2 -60°	60°	16 ~ 38	3	40	80	185	2
0030 00038360	38 -MT3 -60°	60°	16 ~ 38	3	40	99	210	3
0030 00091120	09 -MT1 -120°	120°	4 ~ 9	3	10	65.5	106	1
0030 00141120	14 -MT1 -120°	120°	6 ~ 14	3	15	65.5	120	1
0030 00142120	14 -MT2 -120°	120°	6 ~ 14	3	15	80	143	2
0030 00181120	18 -MT1 -120°	120°	8 ~ 18	3	20	65.5	130.5	1
0030 00182120	18 -MT2 -120°	120°	8 ~ 18	3	20	80	153	2
0030 00231120	23 -MT1 -120°	120°	10 ~ 23	3	25	65.5	140.5	1
0030 00232120	23 -MT2 -120°	120°	10 ~ 23	3	25	80	167	2
0030 00282120	28 -MT2 -120°	120°	12 ~ 28	3	30	80	174	2
0030 00283120	28 -MT3 -120°	120°	12 ~ 28	3	30	99	199	3
0030 00332120	33 -MT2 -120°	120°	14 ~ 33	3	35	80	180	2
0030 00333120	33 -MT3 -120°	120°	14 ~ 33	3	35	99	205	3
0030 00382120	38 -MT2 -120°	120°	16 ~ 38	3	40	80	185	2
0030 00383120	38 -MT3 -120°	120°	16 ~ 38	3	40	99	210	3

Ordering Example

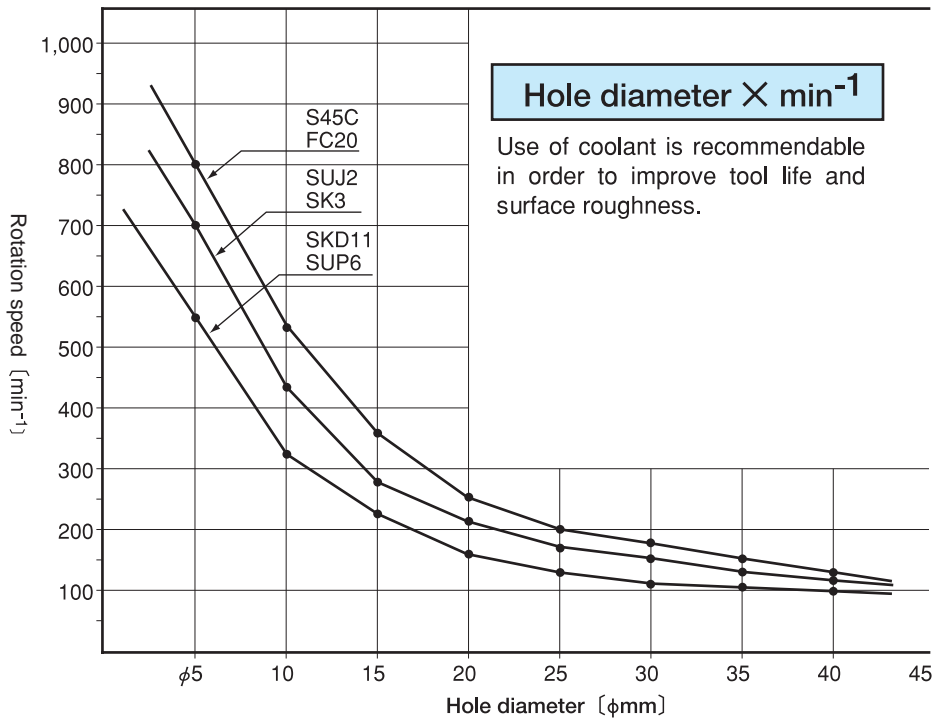


Guide Line For Rotation Speed

NEW CHAMFERING DRILL

For hard and inductile material

- S45C
- FC20
- SUJ2
- SK3
- SKD11
- SUP6



For soft and ductile material

- Aluminum alloy
- Copper alloy
- Rolled steel

