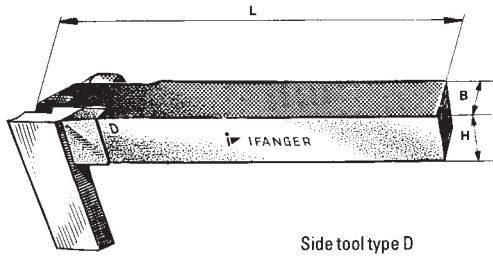
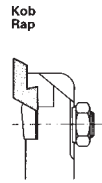


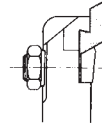
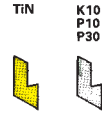
Side Tools D and E of HSS-CO (Kob), HSS (Rap), TiN-coated and with Carbide Tips Copying Cutters with Carbide Tips



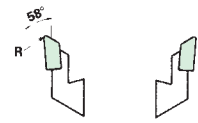
Side tool type D



Type D (righthand)



Type E (lefthand)



Copying cutter Type D 58° (righthand) Type E 58° (lefthand)

How to order (example): 10 pieces 3-D-Kob.  
1 piece 3-DH

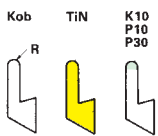
Size	For height of centers above tool rest mm		Measurements H×B×L mm	Holder		Length mm	Code number	Cutter						Radius R mm	Copying cutter		Availability			
	normal	relieved		Code number	Availability			Kob	Rap	TiN	K10	P10	P30		Code number	K10	P10	P30		
<b>Type D</b>																				
1/12	12		10×10×120	1/12-DH	●	40	1-D-...	●	●	●	●	●	●	●	0.5	1-D-58-...	●	●	●	●
1	16	15-12*	14×13×120	1-DH	●	40	1-D-...	●	●	●	●	●	●	●	0.5	1-D-58-...	●	●	●	●
2	20	19-16*	18×16×140	2-DH	●	50	2-D-...	●	●	●	●	●	●	●	0.5	2-D-58-...	●	●	●	●
3	25	24-20*	23×19×160	3-DH	●	60	3-D-...	●	●	●	●	●	●	●	0.5	3-D-58-...	●	●	●	●
4	30	29-25*	28×22×180	4-DH	●	70	4-D-...	●	●	●	●	●	●	●	1	4-D-58-...	●	●	●	●
5	36	35-30*	34×28×200	5-DH	●	80	5-D-...	●	○	●	●	●	●	●	1	5-D-58-...	●	●	●	●
<b>Type E</b>																				
1/12	12		10×10×120	1/12-EH	●	40	1-E-...	●	●	●	●	●	●	●	0.5	1-E-58-...	●	●	●	●
1	16	15-12*	14×13×120	1-EH	●	40	1-E-...	●	●	●	●	●	●	●	0.5	1-E-58-...	●	●	●	●
2	20	19-16*	18×16×140	2-EH	●	50	2-E-...	●	●	●	●	●	●	●	0.5	2-E-58-...	●	●	●	●
3	25	24-20*	23×19×160	3-EH	●	60	3-E-...	●	●	●	●	●	●	●	0.5	3-E-58-...	●	●	●	●
4	30	29-25*	28×22×180	4-EH	●	70	4-E-...	●	●	●	●	●	●	●	1	4-E-58-...	●	●	●	●
5	36	35-30*	34×28×200	5-EH	●	80	5-E-...	●	○	●	●	●	●	●	1	5-E-58-...	●	●	●	●

\* When requiring intermediate measures, please indicate height of center or of shank (quick change tool posts), e.g. 3-DH-h.-center 22 or 3-DH-h.-shank 20.

▲ Please indicate here alloy or grade of carbide required ▲

P/Q – T/U – V/W

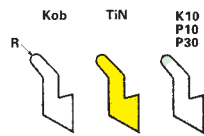
Finishing Cutters of HSS-CO (Kob), TiN-coated and with Carbide Tips



Finishing cutter Type P (righthand)



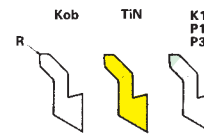
Type Q (lefthand)



Cranked finishing cutter Type T (righthand)



Type U (lefthand)



Cranked corner cutter Type V (righthand)



Type W (lefthand)

How to order (example): 5 pieces 3-T-P30

Size	To be used on holder						Cutter																					
	Type D (Meas. on p. 26)		Type F (only for P) (Meas. on p. 27)		Type K (Meas. on p. 29)		Type P					Type T					Type V											
	Code number	Availability	Code number	Availability	Code number	Availability	Radius R mm	Code number	Availability					Radius R mm	Code number	Availability					Radius R mm	Code number	Availability					
1	1/12-DH	●	1/12-FH	●	0-KH	●	1.25	1-P-...	●	●	●	●	●	1	1.25	1-T-...	●	●	●	●	●	0.3	1-V-...	●	●	●	●	●
1	1-DH	●	1-FH	●	1-KH	●	1.25	1-P-...	●	●	●	●	●	1	1.25	1-T-...	●	●	●	●	●	0.3	1-V-...	●	●	●	●	●
2	2-DH	●	2-FH	●	2-KH	●	1.5	2-P-...	●	●	●	●	●	1.25	1.5	2-T-...	●	●	●	●	●	0.3	2-V-...	●	●	●	●	●
3	3-DH	●	3-FH	●	3-KH	●	1.75	3-P-...	●	●	●	●	●	1.5	1.75	3-T-...	●	●	●	●	●	0.5	3-V-...	●	●	●	●	●
4	4-DH	●	4-FH	●	4-KH	●	2.25	4-P-...	●	●	●	●	●	2	2.25	4-T-...	●	●	●	●	●	0.5	4-V-...	●	●	●	●	●
5	5-DH	●	5-FH	●	5-KH	●	2.75	5-P-...	●	○	●	●	●	-	-	-	●	●	●	●	●	-	-	●	●	●	●	●
	<b>Type E</b>		<b>Type G</b> (only for Q)		<b>Type L</b>																							
1	1/12-EH	●	1/12-GH	●	0-LH	●	1.25	1-Q-...	●	○	●	●	●	1	1.25	1-U-...	●	○	●	●	●	0.3	1-W-...	●	○	●	●	●
1	1-EH	●	1-GH	●	1-LH	●	1.25	1-Q-...	●	○	●	●	●	1	1.25	1-U-...	●	○	●	●	●	0.3	1-W-...	●	○	●	●	●
2	2-EH	●	2-GH	●	2-LH	●	1.5	2-Q-...	●	○	●	●	●	1.25	1.5	2-U-...	●	○	●	●	●	0.3	2-W-...	●	○	●	●	●
3	3-EH	●	3-GH	●	3-LH	●	1.75	3-Q-...	●	○	●	●	●	1.5	1.75	3-U-...	●	○	●	●	●	0.5	3-W-...	●	○	●	●	●
4	4-EH	●	4-GH	●	4-LH	●	2.25	4-Q-...	●	○	●	●	●	2	2.25	4-U-...	●	○	●	●	●	0.5	4-W-...	●	○	●	●	●
5	5-EH	●	5-GH	●	5-LH	●	2.75	5-Q-...	●	○	●	●	●	-	-	-	●	○	●	●	●	-	-	●	○	●	●	●

▲ Please indicate here alloy or grade of carbide required ▲

Availability: ● ex stock / ○ within short notice