

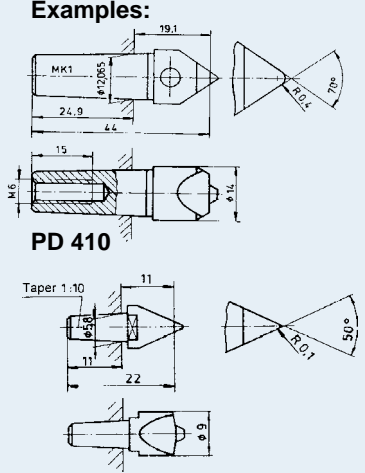
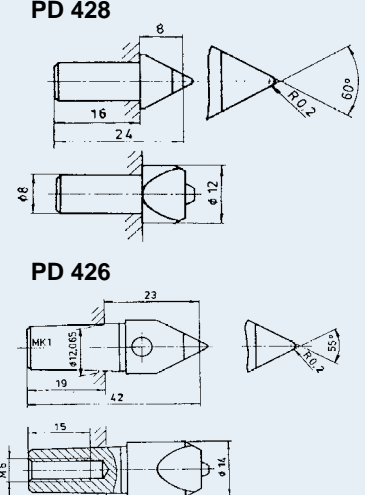
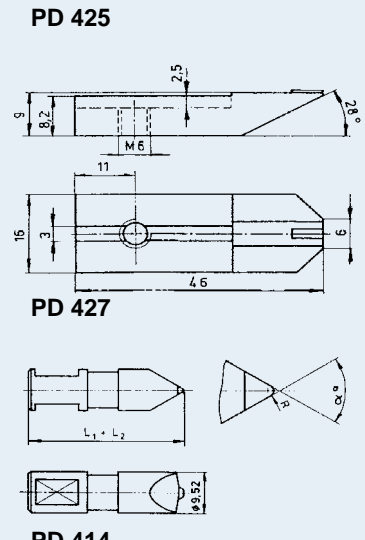
WINTER profile dressing diamonds, ground

Tool specification in three steps

Step 1	Select appropriate tool type for machine				
PD 410- types.	<p>The machine manufacturers have defined typical designs for the various machine</p> <p>The appropriate tool for each type of machine is given in the overview on page 19.</p> <p>Example: SCHAUDT machine = shape PD 410 DIAFORM unit = shape PD 414.</p> <p>Other variants on request.</p>				
Step 2	Select carat weight				
Carat-	<p>The carat weight of the rough diamond to be used should be appropriate for the desired angle and radius.</p> <p>We normally use diamonds weighing approximately 1 carat.</p> <p>For DIAFORM diamonds: approx. 0.33 carats.</p> <p>On request, we can also manufacture types with other carat weights.</p> <p><u>Quality:</u> WINTER uses only first-class maccles, to meet the highest standards.</p>				
Step 3	Select angle α and radius R				
55°- R = 0.2	<p>If not determined by machine type, angle and radius should be specified as large as possible, taking account of the required wheel profile.</p>				
Example	PD 410 - 1.0 - 55° - 0.2 - Holder				
	Step 1	Step 2 Carat weight	Angle	Step 3 Radius	Is defined by designation 410

WINTER profile dressing diamonds, ground with holder

Order data (standard examples)

WINTER profile dressing diamonds							
Shape	Carat weight	Nose angle α°	Nose radius R mm	Holder	Total length $L_1 + L_2$	Note on machine	
Examples: 	PD 410	Standard appr. 1ct, but dependent on shape and processing	70°	0.4	Part of shape, otherwise acc. to dimension drawing	44	SCHAUDT
	PD 425		55°	0.2		42	FORTUNA
	PD 426		60°	0.2		24	MSO
	PD 428		50°	0.1		22	JUNG RA38-53
PD 427	0.5 ct.		-	To drawing	-	REISHAUER	
	PD 414 suitable for DIAFORM units	0.33 0.25 or 0.5ct. on request	40° / 60° or as specified	0.125 0.250 0.500 or as specified	Part of shape, otherwise acc. to dimension drawing	36△K 45.5△L 58△EL	DIAFORM Unit models: see table below. Also available in unground type as "spur diamond". Tolerance group 5. Tolerance group 2 is possible on request. For cost-effective rough profiling, we recommend the DIAFORM Fliese, see p.10.
						Dependent on unit K/L/EL code for total length	
Other dimensions and specifications on request. Drawing required for special holders.							
Order examples: PD 410-1.0-55-0.2 (shank / holder is part of order designation PD410.)							
DIAFORM units							
Shank	L ₁ + L ₂	Models					
K	36	AT, ATR, BT, BTR					
L	45.5	2A - 2AR - 2B - 2BR 3A - 3AR - 3B - 3BR 4A - 4AR - 4B - 4BR 5/1 - 5/2 - 10/2 6/1 - 6/2 - 12/1 - 12/2 8/1 - 8/2 - 14/1 - 14/2					
EL	58	5/4 - 6/4 12/4 - 14/4					
Rush repair service: Saint-Gobain Diamantwerkzeuge GmbH & Co. KG Am Redder 1 22941 Bargteheide Telefon: +49 (0) 4532 40 40-0 Fax: +49 (0) 4532 40 40-65							
	PD 425						
	PD 427						
	PD 414						