

4375A.SL.. Zentrierbohrer 60° lange Ausführung
DIN 333

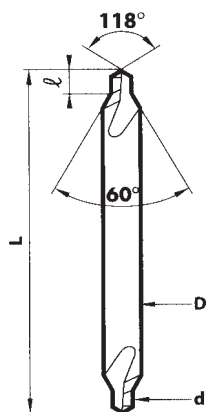
- Lange Ausführung Form A, DIN 333 rechtsschneidend,
- HSS
Toleranzen: D h8, d k12, Winkel 60° -30', 118° ± 2°

Foret à centrer 60° série longue

- *Exécution longue forme A selon DIN 333, coupe à droite, HSS*
- *tol.générales: D h8, d k12, angle 60° -30', 118° ± 2°*

Spotting drill 60° long execution

- long execution form A, DIN 333 right hand cutting, HSS
- tolerances: D h8, d k12, angles 60° -30', 118° ± 2°



4.375A.SL217				Best. Nr.	Katalog	Aktion					Best. Nr.	Katalog	Aktion	
d	D	L	l	no. de cde	catalogue	action	d	D	L	l	no. de cde	catalogue	action	
mm	mm	mm	mm	order no.	catalogue	promotion	mm	mm	mm	mm	order no.	catalogue	promotion	
						CHF							CHF	CHF
0.75	3.50	120	1.0-1.2	4375A.SL. 010	45.84	38.20	3.00	8.00	120	3.9-4.4	4375A.SL. 130	37.08	30.90	
0.75	3.50	60	1.0-1.2	4375A.SL. 020	21.30	14.20	3.00	8.00	80	3.9-4.4	4375A.SL. 140	26.90	18.00	
1.00	4.00	120	1.3-1.6	4375A.SL. 030	32.88	27.40	3.15	8.00	200	3.9-4.4	4375A.SL. 150	76.08	63.40	
1.00	4.00	60	1.3-1.6	4375A.SL. 040	21.20	14.10	3.00	10.00	100	3.9-4.4	4375A.SL. 160	37.00	24.70	
1.50	5.00	120	2.0-2.4	4375A.SL. 050	32.28	26.90	3.00	10.00	120	3.9-4.4	4375A.SL. 170	42.96	35.80	
1.50	5.00	60	2.0-2.4	4375A.SL. 060	22.10	11.40	4.00	10.00	100	5.0-5.6	4375A.SL. 180	37.00	24.70	
2.00	5.00	200	2.5-2.9	4375A.SL. 070	82.08	68.40	4.00	10.00	120	5.0-5.6	4375A.SL. 190	42.96	35.80	
2.00	6.00	120	2.5-2.9	4375A.SL. 080	32.28	26.90	4.00	10.00	200	5.0-5.6	4375A.SL. 200	82.92	69.10	
2.00	6.00	80	2.5-2.9	4375A.SL. 090	18.12	15.10	4.00	12.00	100	5.0-5.6	4375A.SL. 210	48.00	26.55	
2.50	6.30	200	3.1-3.6	4375A.SL. 100	80.40	67.00	4.00	12.00	120	5.0-5.6	4375A.SL. 220	52.56	43.80	
2.50	8.00	120	3.1-3.6	4375A.SL. 110	37.08	30.90	4.00	12.00	150	5.0-5.6	4375A.SL. 225	64.30	58.40	
2.50	8.00	80	3.1-3.6	4375A.SL. 120	26.90	18.00	5.00	14.00	120	6.3-6.9	4375A.SL. 230	64.56	53.80	

4375A.SL.. Sätze von 6 Zentrierbohrern- lange Ausführung -60° Winkel-Form A-HSS

Jeux de 6 forets extra longues angle 60°-Forme A-HSS

Sets of 6 spotting drills long execution 60° angle form A-HSS



Zusammensetzung:
je 1 Stück:

Composition:
1 piece de chaque:

Composition:
1 piece each:

- 4x1x60-5x1.5x60
- 6x2x80-8x2.5x80
- 10x3x100-12x4x100

- 4x1x60-5x1.5x60
- 6x2x80-8x2.5x80
- 10x3x100-12x4x100

- 4x1x60-5x1.5x60
- 6x2x80-8x2.5x80
- 10x3x100-12x4x100

Best.Nr. / no.cde. / order no.: 4375A.SL.900

CHF 113.80

4377..
DIN 333B

Zentrierbohrer 60°/120°, HSS Form B mit Schutzsenkung

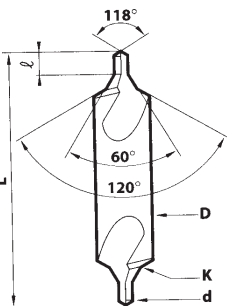
Foret à centrer 60°/120° avec chanfrein de protection Forme B

Spotting drill 60°/120°, HSS form B with protection countersink

- Die Schutzsenkung verstärkt die Wirkung der Zentrierbohrung gegen Schläge und Deformationen
- Die bessere Zentrierung ermöglicht die sichere Positionierung von Teilen zwischen Spitzen auf automatischen Maschinen
Toleranzen: D h8, d k12, L ± 1, K k12, Winkel 60° -30', 120° -4', 118° ± 2°

- *Chanfrein de protection garantit le centre obtenu contre tout risk de choc et de déformation*
- *Evasement facilite la prise entre pointes des pièces sur machine à alimentation automatique*
- *Tolérances: D h8, d k12, L ± 1, K k12, Angles 60° -30', 120° -4', 118° ± 2°*

- the protection countersink reinforces the effect of the centering hole against hits and deformations
- The better centering method enables the safe positioning of pieces between centers on automatics
- Tolerances: D h8, d k12, L ± 1, K k12, Winkel 60° -30', 120° -4', 118° ± 2°



d	D	L	K	l	Best.Nr./order no.		d	D	L	K	l	Best.Nr/orde	4.377112
mm	mm	mm		mm	no.cde.	CHF	mm	mm	mm		mm	no.cde.	CHF
0.75	4.00	35	2.0	1.0-1.2	4377. 010	13.60	3.00	14.00	69	7.5	3.9-4.4	4377. 100	37.40
1.50	5.00	40	3.0	2.0-2.4	4377. 015	12.70	4.00	10.00	55	8.0	5.0-5.6	4377. 114	21.30
1.00	6.00	45	2.5	1.3-1.6	4377. 020	14.20	4.00	12.00	63	9.0	5.0-5.6	4377. 118	27.90
2.00	6.00	45	2.5	1.3-1.6	4377. 025	15.30	4.00	16.00	71	10.0	5.0-5.6	4377. 120	47.60
1.25	7.1*	45	3.6	1.6-2.4	4377. 040	12.40	4.00	18.00	77	10.0	5.0-5.6	4377. 130	52.50
1.50	8.00	50	3.8	2.0-2.4	4377. 050	16.50	5.00	12.00	63	9.0	6.3-6.9	4377. 134	27.90
2.00	10.00	55	5.0	2.5-2.9	4377. 070	19.80	5.00	14.00	80	13.2	8.0-8.6	4377. 138	37.40
2.50	8.00	50	5.5	3.1-3.6	4377. 075	17.70	5.00	20.00	80	12.5	6.3-6.9	4377. 140	83.70
3.00	10.00	55	7.0	3.9-4.4	4377. 085	19.80	6.00	18.00	77	12.0	8.0-8.6	4377. 155	52.50
2.50	12.00	63	6.3	3.1-3.6	4377. 090	29.90	6.30	25.00	100	16.0	8.0-8.6	4377. 170	128.10

* solange Vorrat - jusqu'à épuisement du stock/till stock will last

Zentrierbohrer HSS 60°
Auch in **VHM** lieferbar siehe unten

Mèches à centrer HSS 60°
livrables égalem. en mét. dur voir si dessous

Spotting drills HSS 60°
also available in carbide see below.

4375A..
DIN 333-A/VSM

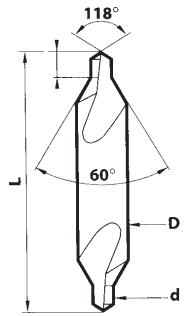
Rabatte: 10 % ab 10 Stück/Durchm.

Remise: 10% dès 10 pièces/diam.

Discounts: 10 % from 10 pcs./diam.

DIN 333 - A					VSM						
D x d	L	I	CHF	D x d	L	I	CHF	D x d	L	I	CHF
3,15 x 0,50	25	0,70	5,60	5,00 x 2,00	40	2,70	6,10	12,50 x 4,00	63	6,60	25,60
3,15 x 0,80	25	1,10	7,40	6,30 x 2,00	45	2,70	6,90	12,50 x 5,00	63	6,60	21,30
3,15 x 1,00	31	1,40	8,00	6,30 x 2,50	45	3,40	6,90	16,00 x 5,00	71	6,60	30,10
3,15 x 1,25	31	1,70	4,40	8,00 x 3,15	50	4,20	8,30	16,00 x 6,30	71	8,30	26,00
4,00 x 1,25	35	1,70	7,55	10,00 x 3,15	55	4,20	10,20	20,00 x 6,30	80	8,30	58,40
4,00 x 1,60	35	2,20	5,60	10,00 x 4,00	55	5,40	10,70	20,00 x 8,00	80	10,40	54,00
5,00 x 1,60	40	2,20	7,50	12,00 x 5,00	63	6,60	20,20	31,50 x 10,00	125	13,20	199,50
								3,50 x 0,75	35	1,10	7,10
								4,00 x 1,00	35	1,50	6,20
								5,00 x 1,50	40	2,20	6,70
								6,00 x 2,00	45	2,70	6,90
								8,00 x 2,50	50	3,40	7,90
								10,00 x 3,00	55	4,20	10,20
								12,00 x 4,00	63	5,30	17,20
								14,00 x 5,00	69	6,60	22,20
								18,00 x 6,00	77	8,30	42,20

4.375A217



NC-Anbohrer HSS-CO 90°/120°

Centreur NC HSS-CO 90°/120°

NC-spott.drill HSS-CO 90°/120°

- hohe Positioniergen. der Bohrung
- kurzer Bohrer mit tiefer Spannute, gehärteter Schaft, auf h6 Toleranz präzisions geschliffen
- mit 90° Spitzen< für Senken und/od. Entgraten in 1 Arbeitgang
- 120° besonders sichere Zentrierung beim Ansetzen des Bohrers
- HSS-CO, TIALN (Art. 4354NC90.FT.. unten; lange Ausführung auf Anfrage

- haute précision de centrage
- exécution courte avec hélice profonde rectifiée, tige trempée, rectifiée, tolérance h6
- type 90°: centreur ou centrer et chanfreiner en une passe
- type 120°: centrer et amorçage du perçage
- en HSS-CO, TIALN (art. 4354NC.FT..au-dessous) execution longue sur demande

- high precision centering
- short execution deep flute grooves, hardened shank precision ground, tolerance h6
- with helical point 90° for centering and chamfering in one operation
- with helical point 120° specially secure centering when applying the drill on the material
- coating execution 4354NC90.FT.. below; long execution on request

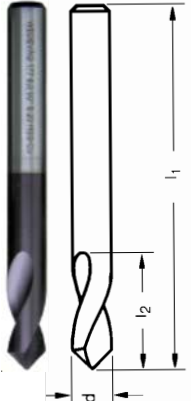
Rabatte: 10 % ab 10 Stück/Durchm.

Remise: 10% dès 10 pièces/diam.

Discounts: 10 % from 10 pcs./diam.

d	I2	I1	CHF	d	I2	I1	CHF	d	I2	I1	CHF	d	I2	I1	CHF
3,0	15	46	8,70	6,0	20	66	8,70	11,0	30	89	20,90	20,0	50	131	57,40
4,0	15	55	10,20	8,0	20	66	12,90	12,0	30	102	24,90	25,0	50	151	86,40
5,0	20	62	12,90	10,0	30	89	15,90	16,0	40	115	29,40	4.354NC90217			

4354NC.. WEDEVAG



Futuro(TIALN) beschichtet

Revêtu Futuro (TIALN)

Futuro coated (TIALN)

Rabatte: **20%** ab 5 Stck/Durchm.

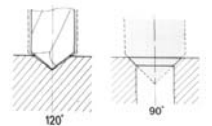
Remise: **20%** dès 5 pièces/diam.

Discounts: **20%** from 10pcs./diam.

4354NC90.FT.. Futura(TIALN)

d	I2	I1	Bst.Nr./no.cde.	CHF	d	I2	I1	Bst.Nr./no.cde.	CHF
3,0	15	46	4354NC90.FT.030	26,70	8,0	25	79	4354NC90.FT.080	38,00
4,0	15	55	4354NC90.FT.040	27,80	10,0	30	89	4354NC90.FT.100	42,10
5,0	15	62	4354NC90.FT.060	33,30	12,0	30	102	4354NC90.FT.120	51,30
6,0	20	66	4354NC90.FT.060	34,60	16,0	40	115	4354NC90.FT.160	67,70

4.354NC90.FT.118



Vollhartmetall NC-Anbohrer rechtsschneidend, 90/120°

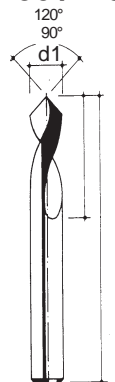
Mèche en metal dur pour mise en perce NC, 90/120°

Carbide NC spotting drill RH cutting, 90/120°

4354NV90./120.

d1	I1	I2	Best.Nr./no.cde. order no. 90 °	CHF	Best.Nr./no.cde. order no. 120 °	CHF
2,00	12	46	4354NV90. 0200	13,10		
3,00	15	46	4354NV90. 0300	13,10	4354NV120. 0300	9,60
4,00	15	55	4354NV90. 0400	15,10	4354NV120. 0400	12,50
5,00	15	62	4354NV90. 0500	18,10	4354NV120. 0500	19,50
6,00	21	50	4354NV90. 0600	20,20	4354NV120. 0600	22,20
8,00	25	60	4354NV90. 0800	29,20	4354NV120. 0800	32,10
10,00	27	70	4354NV90. 1000	41,10	4354NV120. 1000	45,30
12,00	27	70	4354NV90. 1200	53,20	4354NV120. 1200	58,90
14,00	30	75	4354NV90. 1400	78,20	4354NV120. 1400	86,20
16,00	30	75	4354NV90. 1600	98,60	4354NV120. 1600	109,30
18,00	33	100	4354NV90. 1800	158,50	4354NV120. 1800	175,70
20,00	30	100	4354NV90. 2000	175,70	4354NV120. 2000	193,90

4.354NV90112



Vollhartmetall-Zentrierbohrer

Forets à centrer en carbure monobloc

Carbide-spotting drills

d1	d2	I1	I2	Best.Nr./no.cde./order no.	CHF
0,80	3,00	38	1,30	4375V. 080	32,30
1,00	3,00	38	1,60	4375V. 100	34,30
1,25	3,00	38	1,90	4375V. 125	37,20
1,60	4,00	38	2,40	4375V. 160	43,10
2,00	5,00	50	2,90	4375V. 200	51,00
2,50	6,00	50	3,60	4375V. 250	58,70
3,15	8,00	60	4,40	4375V. 315	78,30
4,00	10,00	60	5,60	4375V. 400	102,70
5,00	12,00	60	6,00	4375V. 500	142,10
6,30	16,00	71	8,00	4375V. 630	215,30

4.375V116

4375V ..

