

MOLE RESINOIDI DIAMANTATE O IN CBN



Diamond **Works**

CATALOGO GENERALE

**MOLE RESINOIDI
DIAMANTATE O IN CBN**

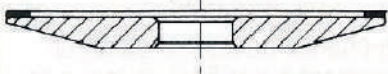
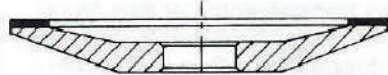
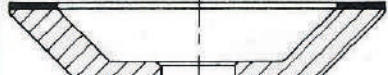
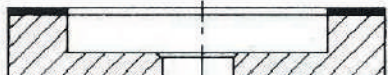
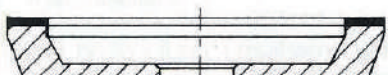
UTENSILI DIAMANTATI

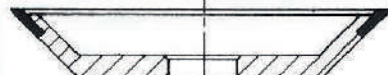
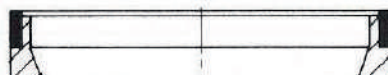
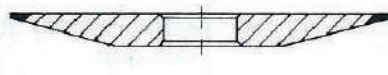
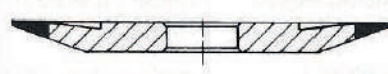
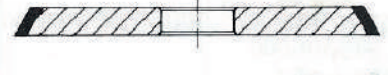
**ABRASIVI RIGIDI
MOLE SETTORI LIME**

**UTENSILI ELETTRODEPOSTI
PASTA DIAMANTATA**

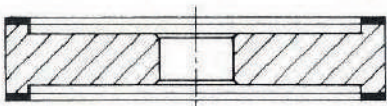
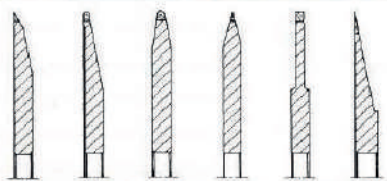
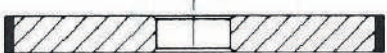


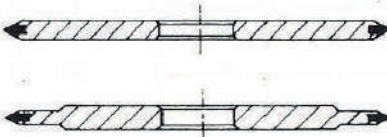
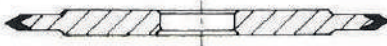
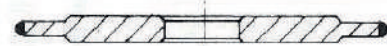
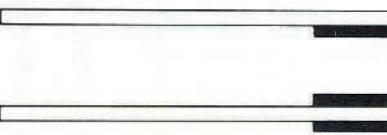
PROSPETTO FORME FEPA

FORMA	SIGLA	PAG.
	4A2	3
	12A2 20°	4
	12A2 45°	5
	6A2	6
	11A2	7
	12C9	8
	11V2	9

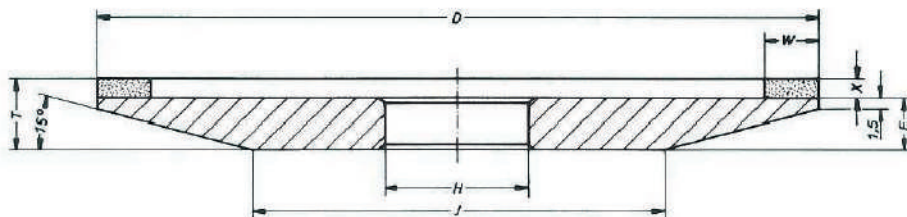
FORMA	SIGLA	PAG.
	12V2	10
	11V9	11
	12V9	12
	6A9	13
	4ET9	14
	4BT9	15
	1V1 14V1	16

PROSPETTO FORME FEPA

FORMA	SIGLA	PAG.
	9A3	17
	3E1 3F1 14F1 14E1 14A1 14E1	18
	4CH9	19
	1A1	20
	14A1	21
	3A1	22
	1L1	23

FORMA	SIGLA	PAG.
	1FF1	21
	1E6Q 14E6Q	25
	14EE1	26
	14F1	27
	LE LB	28
	1A1	29
	1A1W	29

4A2



D	W	X	H	T= E+X	E	J
75	3-4-5-6-8-10	SPESSORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO		6	41
100	3-4-5-6-8-10-12-15-20				6	66
125	3-4-5-6-8-10-12-15-20				7	84
150	4-5-6-8-10-12-15-20				9	94
175	5-6-8-10				11	104
200	5-6-8-10					
		SPESSORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO			

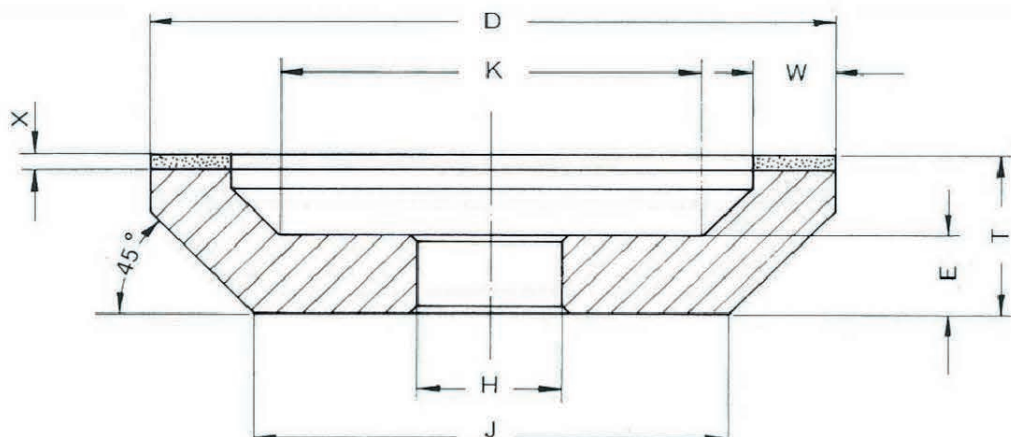
ESEMPIO D'ORDINE							
FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
4A2					D126	C75	M17A



SPECIFICARE IL DIAMETRO DEL FORO

FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
12A2 = 20°	125 x	5 x	4 x	20	D126	C75	M17A

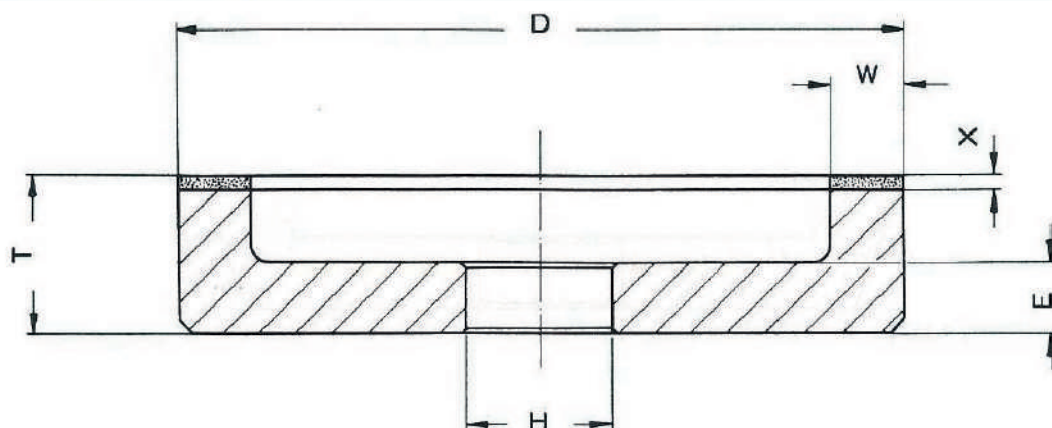
12A2 $s=45^\circ$



D	W	X	H	T-X	E	J	K
75	3-4-5-6-8-10	SPESORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO	20	10	37	39-41
100	3-4-5-6-8-10			22	10	58	47-61
125	3-4-5-6-8-10-12-15-20			22	10	83	72-86
150	4-5-6-8-10-12-15-20			22	12	108	91-107
175	5-6-8-10			22	13	133	111-136
200	5-6-8-10						
		SPESORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO				

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
12A2 = 45°	100 x	5 x	4 x	25	D126	C75	M17A



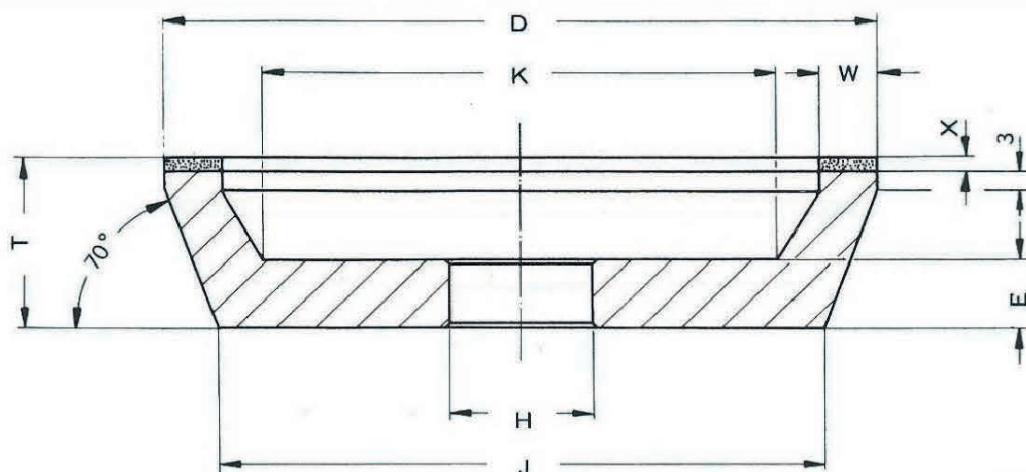
6A2

D	W	X	H	T-X	E
75	3-4-5-6-8-10	SPESSORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO	22	10
100	3-4-5-6-8-10-12-15-20			22	10
125	3-4-5-6-8-10-12-15-20			22	10
150	4-5-6-8-10-12-15-20			22	10
175	5-6-8-10			25	13
200	5-6-8-10			25	13
		SPESSORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO		

ESEMPIO D'ORDINE

FORMA	D mm	W mm	X mm	H mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
6A2	150	x 10	x 2	x 25	D126	C75	M17A

11A2



D	W	X	H		E	J	K
75	3-4-5	SPESORE FASCIA 2-3-4-5-6-8 mm	SPECIFICARE IL DIAMETRO DEL FORO				
75	6-8-10						
100	3-4-5						
100	6-8-10						
100	12-15-20						
125	3-4-5						
125	6-8-10						
125	12-15-20						
150	4-5-6						
150	8-10-12						
150	15-20						
175	5-6-8-10						
200	5-6-8-10						

ESEMPIO D'ORDINE

FORMA	D mm	W mm	X mm	H mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
11A2	125	x 6	x 3	20	D126	C75	M17A

A technical drawing of a U-shaped channel cross-section. The drawing shows a central rectangular opening with a width of K and a height of H . The channel has a total width of D at the top and a total depth of E . The side walls of the channel are inclined at a 45° angle. The top flange has a thickness of X and a width of W at the outer edge. The bottom flange has a thickness of X and a width of H at the inner edge. The channel is shown in a perspective view with hatching on the side walls.

[illegible]

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	U mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
12C9	100 x	10 x	1 x	4 x	20	D126	C75	M17A

A technical cross-section drawing of a trapezoidal container. The drawing shows a central rectangular cavity with a smaller rectangular feature at the bottom center. The outer walls of the container are sloped at a 70-degree angle from the horizontal. Dimensions are indicated with arrows and labels: D is the total top width, K is the width of the upper cavity, W is the wall thickness at the top, T is the total height, X is the height of the upper cavity, H is the width of the bottom feature, and J is the total bottom width. The sloped walls are shaded with diagonal lines.

[illegible]

FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
11V2	75 x	4 x	4 x	20	D126	C75	M17A

Technical drawing of a V-shaped channel section. The drawing shows a cross-section of the channel with the following dimensions and features:

- D : Total width at the top of the channel.
- K : Width of the flat bottom of the channel.
- W : Width of the top flange on the right side.
- T : Total height of the channel from the bottom to the top of the flange.
- L_w : Height of the top flange.
- H : Height of the central vertical section of the bottom.
- J : Total width of the bottom section, including the central vertical part and the sloped sides.
- 15° : Angle of the sloped sides of the channel.

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
12V2	125 x	6 x	2 x	20	D126	C75	M17A

Technical drawing of a tapered cup. The drawing shows a cross-section of the cup with various dimensions labeled: D (top diameter), K (inner diameter), U (top flange thickness), X (top flange height), E (bottom flange height), H (bottom flange thickness), J (bottom diameter), T (total height), and a 70° angle on the side wall.

[illegible]

FORMA	D mm mm	U mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
11V9	100 x	3 x	10 x	20	D126	C75	M17A

Technical drawing of a U-channel cross-section. The drawing shows a U-shaped profile with a central web and two side flanges. The dimensions are labeled as follows: D is the total width of the top flange; K is the width of the top flange excluding the side laps; U is the thickness of the top flange; T is the thickness of the side flange; X is the thickness of the bottom flange; E is the total width of the bottom flange; H is the height of the central web; J is the width of the central web; and a 45° angle is indicated on the side flange.

[illegible]

ESEMPIO D'ORDINE

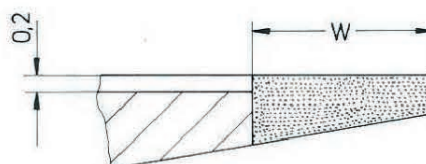
FORMA	D mm mm	U mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
12V9	100 x	2 x	6 x	20	D126	C75	M17A

Technical drawing of a U-profile cross-section. The drawing shows a U-shaped profile with a central web and two side flanges. The dimensions are labeled as follows: D is the total width of the top flange; K is the width of the side flange; U is the thickness of the top flange; T is the total thickness of the profile; X is the thickness of the side flange; L is the height of the web; and H is the width of the web.

[illegible]

SPECIFICARE IL DIAMETRO DEL FORO

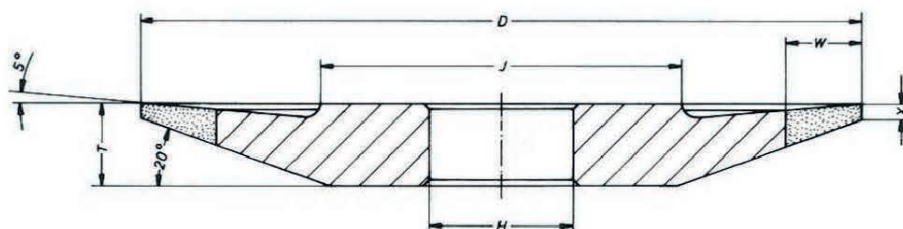
FORMA	D mm mm	U mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
6A9	125 x	3 x	10 x	20	D126	C75	M17A

[illegible]

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
4ET9	100 x	4 x	1 x	20	D126	C75	M17A

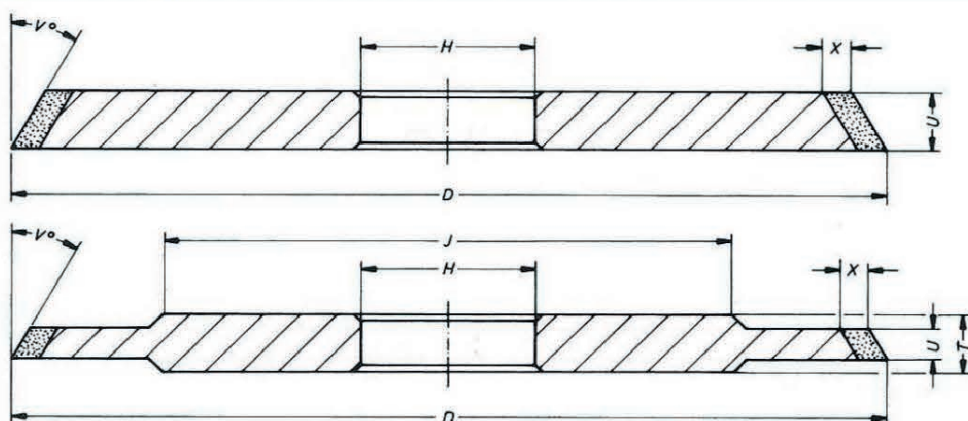
4BT9



D	W	X	H	T	E
75	6-10	1-1.5-2	SPECIFICARE IL DIAMETRO DEL FORO	8	35
100	10	1-1.5-2		10	50
125	10	1-2		12	65
150	10	1-2			

ESEMPIO D'ORDINE

FORMA	D	W	X	H	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
	mm	mm	mm	mm			
	mm	mm	mm	mm			
4BT9	100 x	10 x	1 x	20	D126	C75	M17A



1V1

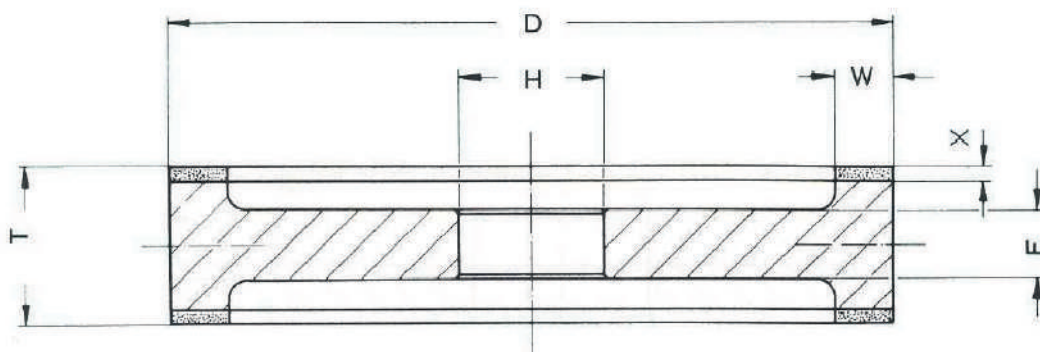
14V1

D	U	X	V°	H	T
75	3-20	3-8	5°-60°	SPECIFICARE IL DIAMETRO DEL FORO	
100	3-20	3-8	5°-60°		
125	3-20	3-8	5°-60°		
150	3-20	3-8	5°-60		

ESEMPIO D'ORDINE

FORMA	D mm	U mm	X mm	V mm	T mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
14V1	125	x 10	x 5	45°	15	D126	C75	M17A

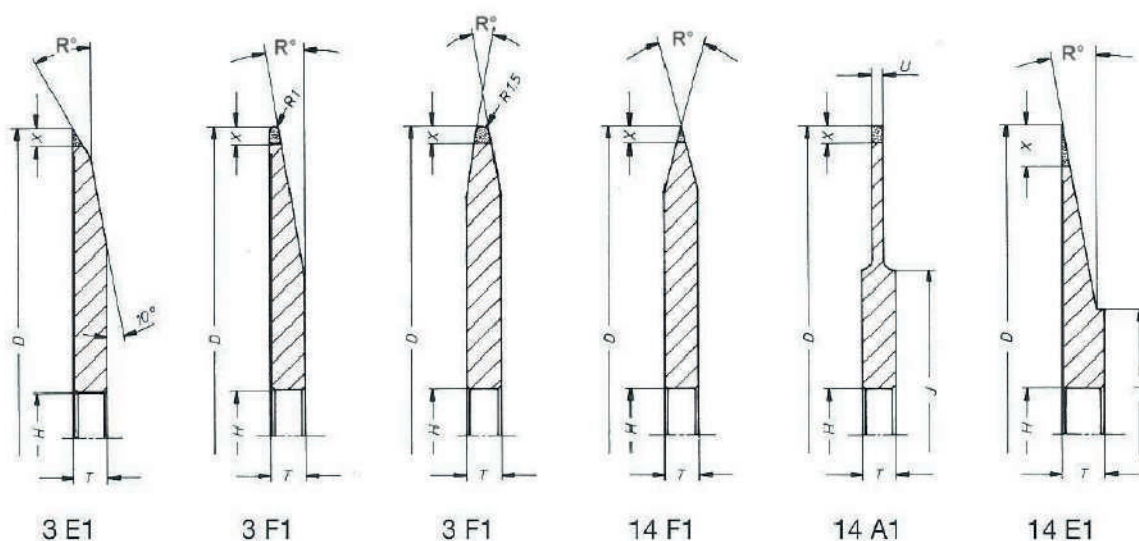
9A3



D	W	X	T	H	E
100	4-5-6-8-10	SPESSORE FASCIA 2-3-4 mm	SU INDICAZIONE DEL CLIENTE	SPECIFICARE IL DIAMETRO DEL FORO	10
125	4-5-6-8-10				10
150	5-6-8-10				14
175	5-6-8-10				14
200	5-6-8-10				18
		SPESSORE FASCIA 2-3-4 mm	SU INDICAZIONE DEL CLIENTE	SPECIFICARE IL DIAMETRO DEL FORO	

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	T mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
9A3	175	x 8	x 2	x 25	x 20	D126	C75	M17A



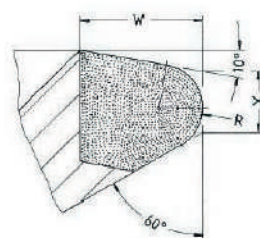
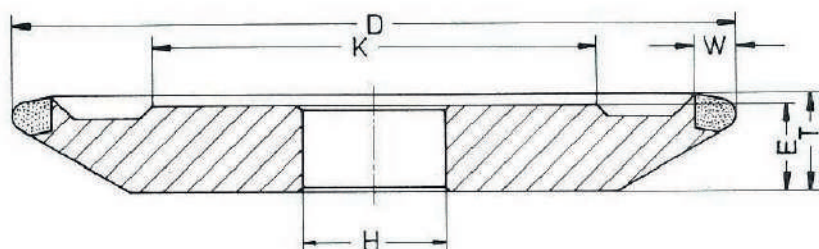
3E1
 3F1
 14F1
 14E1
 14A1
 14E1

	D	X	U	H	R°	T	J
3 E1	125	4		SPECIFICARE IL DIAMETRO DEL FORO	30	8	
	150	4			30	8	
	175	4			30	8	
3 F1	125	4			10	8	
	150	4			10	8	
	175	4			10	8	
3 F1	125	4			20	8	
	150	4			20	8	
	175	4			20	8	
14 F1	125	4			30	8	
	150	4			30	8	
	175	4			30	8	
14 A1	125	4	3			8	80
	150	4	3			8	80
	175	4	2-3-4			8	105
14 E1	125	10			10	10	60
	150	10			10	10	60
	175	10			10	10	85

ESEMPIO D'ORDINE

FORMA	D mm mm	X mm mm	U mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
14A1/25	125 x	4 x	3 x	20	D126	C75	M17A

4CH9



D	W	X	H	R	T	E	K
75	4	2	SPECIFICARE IL DIAMETRO DEL FORO	1,4	11	10	46,2
100	4	2		1,4	11	10	71,2
125	4	2		1,4	11	10	96,2
			SPECIFICARE IL DIAMETRO DEL FORO				

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
4CH9	125 x	4 x	2 x	20	D126	C75	M17A

A schematic diagram of a rectangular plate. The total width is labeled D . A central rectangular hole has a width labeled H . The thickness of the plate is labeled T . A small distance X is indicated at the right edge of the plate, representing the distance from the edge of the hole to the right edge of the plate.

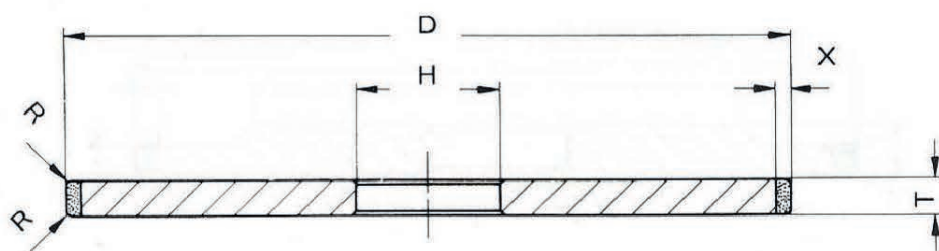
ESEMPIO D'ORDINE										
FORMA	D		T		X		H	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
	mm		mm		mm		mm			
	mm		mm		mm		mm			
1A1	150	x	10	x	2	x	20	D126	C75	M17A

Technical drawing of a shaft-hub assembly. The drawing shows a shaft (hatched) inserted into a hub (unhatched). The total length of the assembly is labeled D . The length of the shaft is labeled J . The length of the hub is labeled X . The thickness of the shaft is labeled T . The drawing is a cross-section view.

ESEMPIO D'ORDINE										
FORMA	D mm mm		U mm mm		X mm mm		H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
14A1	150	x	2	x	5	x	20	D126	C75	M17A

FORMA	D mm mm	U mm mm	X mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
3A1	150 x	2 x	5 x	20	D126	C75	M17A

1L1

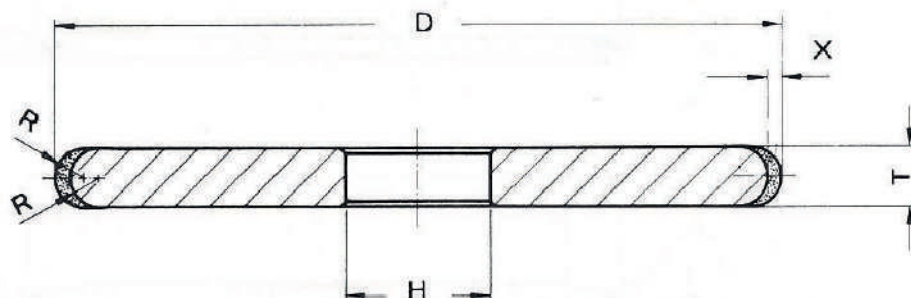


D	T	X	R	H
75	3-4-5	2-4	INDICARE IL RAGGIO RICHIESTO	SPECIFICARE IL DIAMETRO DEL FORO
100	3-4-5	2-4		
125	3-4-5-6	2-4		
150	3-4-5-6	2-4		

ESEMPIO D'ORDINE

FORMA	D mm mm	W mm mm	X mm mm	R mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
1L1	125	x 4 x	2 x	0,5 x	20	D126	C75	M17A

1FF1



D	T	X	R	H
75	T = 2R	SPESSORE FASCIA 2-3-4 mm	INDICARE IL RAGGIO RICHIESTO	SPECIFICARE IL DIAMETRO DEL FORO
100				
125				
150				
175				
200				

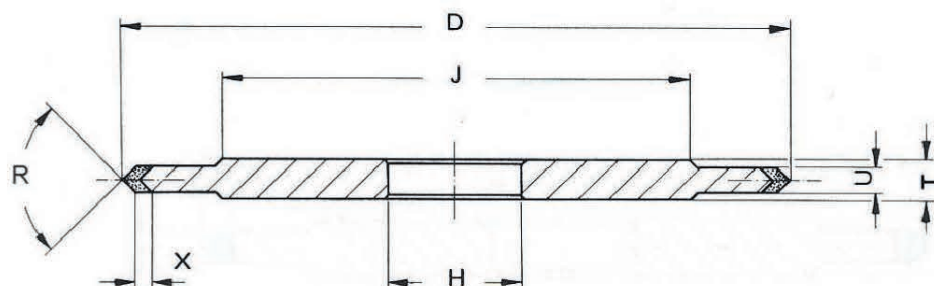
ESEMPIO D'ORDINE

FORMA	D	T	X	R	H	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
	mm	mm	mm	mm	mm			
	mm	mm	mm	mm	mm			
1FF1	100	x 10	x 2	x 5	x 20	D126	C75	M17A

Technical drawing of a tapered shaft. The drawing shows a shaft with a central section of constant diameter D and two tapered sections. The total length of the shaft is J . The distance from the left end to the start of the second taper is X . The length of the second taper is H . The angle of the taper is V . The shaft is shown in cross-section with hatching.

SPECIFICARE IL DIAMETRO DEL FORO

FORMA	D mm mm	U mm mm	V mm mm	T ₁ mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
1E6Q	100 x 2 x 2	45° x 4 x 20	D126	C75	M17A			



14EE1

D	U	R	T	H	X		J	
100	3	45 60 90	6-8	SPECIFICARE IL DIAMETRO DEL FORO	3-5		70	
	4	45 60 90			3-5			
125	3	45 60 90	6-8		3-5		100	
	4	45 60 90			3-5			
150	3	45 60 90	8-10		3-5		120	
	4	45 60 90			3-5			
175	4	45 60 90	10-12		3-5		140	
	5	45 60 90			3-5			
200	4	45 60 90	10-12		3-5		160	
	5	45 60 90			3-5			

ESEMPIO D'ORDINE

FORMA	D mm mm	U mm mm	V mm mm	T mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
14EE1	150	x 4	x 60	x 6	x 20	D126	C75	M17A

Technical drawing of a mechanical part, likely a shaft or pin, showing dimensions D , H , X , J , T , and P . The drawing includes a cross-section view on the right showing a circular profile with a central hole of diameter P and a thickness T . The main view shows a shaft with a diameter D , a central hole of diameter H , and a total length J . A dimension X is indicated at the right end of the shaft.

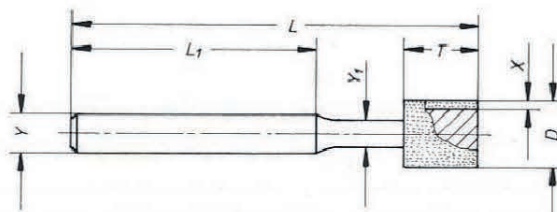
ESEMPIO D'ORDINE

FORMA	D mm mm	U mm mm	X mm mm	R mm mm	H mm mm	GRANULOMETRIA	CONCENTRAZIONE	LEGANTE
14F1	100 x 2	x 2	2,5 x	1,0 x	20	D126	C75	M17A

The diagram shows a stepped cantilever beam fixed at the right end. The beam consists of three segments: a horizontal segment of length U , a diagonal segment of length W , and another horizontal segment of length U . The cross-section of the beam is a rectangle with width U and height W .

[illegible]

1A1W



D	T	X	H
8	6	2	4
8	10	2	4
10	6	2	6
10	10	2	6
12	6	3	6
12	10	3	6
14	6	2	6
14	10	2	6
16	6	2	6
16	10	2	6
16	15	2	6
18	6	2	6 - 8
18	10	2	6 - 8
18	15	2	6 - 8
20	6	2	6 - 8
20	10	2	6 - 8
20	15	2	6 - 8
22	6	2	6 - 8
22	10	2	6 - 8
22	15	2	6 - 8
25	6	2	6 - 8
25	10	2	6 - 8
25	15	2	6 - 8
30	6	2	8
30	10	2	8
30	15	2	8
35	6	2	8
35	10	2	8
35	15	2	8
40	10	2	8
40	15	2	8
40	20	2	8
50	10	2	8
50	15	2	8
50	20	2	8

[illegible]

		D mm mm	T mm mm	X mm mm	H mm mm	LEGANTE	GRANULOMETRIA
FORMA	1A1	20 x	10 x	2 x	8	M13	D 126
		D mm mm	T mm mm	X mm mm		LEGANTE	GRANULOMETRIA
FORMA	1A1W	10 x	10 x	3		M13	D 126

Number of Particles Per Carat		
sieve size	micron size	approximate number of
U.S mesh		particles / carat (0.2 gm)
16	1190	33
18	1000	57
20	841	97
25	707	160
30	595	282
35	500	460
40	420	770
45	354	1,334
50	297	2,080
60	250	3,240
70	210	6,140
80	177	10,400
100	149	17,140
120	125	20,920
140	105	49,400
170	88	83,400
200	74	140,000
230	63	252,000
270	53	384,000
325	44	660,000
400	37	1,130,000

Conversion of Micron/ U.S. Mesh	
Micron	U.S. Mesh
80-125	270/325
54-80	325/400
40-60	400/500
30-40	500/600
20-40	500/800
20-30	600/800
10-20	1200
8-12	1800
5-10	2200
4-8	3000
2-4	8000
1-2	13000
0-1	60000
0-1/2	100000

micron size	number of particles per carat X 1000
60	264
45	620
30	2,046
15	16,960
9	78,600
6	262,000
3	2,050,000
1	62,000,000

Conversion of U.S. Mesh into FEPA

U.S Mesh	FEPA
16/18	D-1181
18/20	D-1001
20/25	D-851
25/30	D-711
30/35	D-601
35/40	D-501
40/45	D-426
45/50	D-356
50/60	D-301
60/70	D-251
70/80	D-213
80/100	D-181
100/120	D-151
120/140	D-126
140/170	D-107
170/200	D-91
200/230	D-76
230/270	D-64
270/325	D-54
325/400	D-46

Standard Table For Micron Sizes

Size Designation	Normal Size Range
1/4	0-1/2
1/2	0-1
1	0-2
2	1-3
3	2-4
4	2-6
5	4-6
6	4-8
8	6-10
10	8-12
12	8-16
15	10-20
17	12-22
20	15-25
25	20-30
30	22-36
35	30-40
45	36-54
50	40-60
67	54-80

Wide Range

U.S Mesh	FEPA
16/20	D-1182
20/30	D-852
30/40	D-602
40/50	D-427
60/80	D-252

Christensen Sieves Diamond Sizes	
Size	Avg. Round Stones Per Carat
F	128
E	106
D	84
C	77
B	70
A	62
1	58
2	50
3	40
4	30
5	25
6	20
7	15
8	11
9	9 ¹ / ₂
10	7
11	5 ² / ₃
12	4 ¹ / ₂
13	3 ² / ₃
14	3
15	2 ² / ₃
16	2 ¹ / ₁₆
17	1 ⁵ / ₆
18	1 ² / ₃
19	1 ¹ / ₃

temperature	
Celsius	Fahrenheit
700	1,292
725	1,337
750	1,382
775	1,427
800	1,472
825	1,517
850	1,562
875	1,607
900	1,652
925	1,697
950	1,742
975	1,787
1,000	1,832
1,025	1,877
1,050	1,922
1,075	1,967
1,100	2,012
1,125	2,057
1,150	2,102
1,175	2,147
1,200	2,192
1,225	2,237
1,250	2,282
1,275	2,327
1,300	2,372
1,325	2,417
1,350	2,462
1,375	2,507
1,400	2,552
1,425	2,597
1,450	2,642
1,475	2,687
1,500	2,732
1,525	2,777
1,550	2,822
1,575	2,867
1,600	2,912

Metric Conversion

mass

1 Kilogram = 2.2046 pounds

length

1 centimeter = 0.3937 inches

1 inch = 2.54 centimeters (25.4 mm)

1 micron = 1/1000 mm

pressure/stress

1.0 kg/cm² = 14.223 psi

100 psi = 7.03 kg/cm²

10.0 KPA (KN/M²) = 1.02 kg/cm²

10.0 KPA (KN/M²) = 14.51 psi