DORMER

Carbide Rotary Burrs

Introduction

- Dormer's range of carbide burrs is a high quality, comprehensive program which includes designs and shapes to offer a solution for the majority of applications in all major industry segments.

- The combination of premium grade materials for both shank and head with the precise production processes results in a consistent and secure product which Dormer consider essential in the usage of carbide burrs.

Features *& Benefits*

- **Cut Styles**
  - Double Cut
    - First choice for general machining
    - Improves ease of control
    - Increases metal removal rate
    - Breaks swarf into small manageable pieces

  - Aluminium Cut
    - First choice for non ferrous materials and plastics
    - High helix and large flute volume for rapid metal removal

- **Shank**
  - Toughened and hardened steel shanks
  - Provides rigidity and strength
  - Prevents bending and reduces vibrations
  - Resulting in improved tool life
  - Ground to h6 (carbide) and h7 (steel) for improved holding

- **Brazing**
  - Special brazing elements provide excellent braze strength
  - Excellent impact strength able to withstand high forces
  - Able to withstand higher temperature without failing

- **Ball Nose Geometry**
  - Skip flute grinding
  - Increased strength at the centre
  - Reduced chance of swarf congestion
  - Improved cutting action closer to the centre

Skip

Normal

- **TiAlN Coating**
  - Increased tool life in difficult conditions
  - Reduced friction improves swarf evacuation
  - Helps resist "built-up edge" common with cutting tools with small flute volumes

	P801	P801C	P831	P803	P803C	P833	P805	P805C	P835	P807	P807C	P837	P809	P811	P811C
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	A	A	A	B	B	B	C	C	C	D	D	D	E	F	F
		TiAlN			TiAlN			TiAlN			TiAlN				TiAlN
	DC	DC	AL	DC	DC	AL	DC	DC	AL	DC	DC	AL	DC	DC	DC
	3.00 - 16.00	3.00 - 12.70	6.00 - 12.70	3.00 - 16.00	3.00 - 12.70	6.00 - 12.70	3.00 - 16.00	3.00 - 12.70	6.00 - 12.70	3.00 - 16.00	3.00 - 12.70	6.00 - 12.70	3.00 - 16.00	3.00 - 16.00	3.00 - 12.70
	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
1.1	■	■		■	■		■	■		■	■		■	■	■
1.2	■	■		■	■		■	■		■	■		■	■	■
1.3	■	■		■	■		■	■		■	■		■	■	■
1.4	■	■		■	■		■	■		■	■		■	■	■
1.5	■	■		■	■		■	■		■	■		■	■	■
1.6	■	■		■	■		■	■		■	■		■	■	■
1.7	■	■		■	■		■	■		■	■		■	■	■
1.8	■	■		■	■		■	■		■	■		■	■	■
2.1	■	■	●	■	■	●	■	■	●	■	■	●	■	■	■
2.2	■	■		■	■		■	■		■	■		■	■	■
2.3	■	■		■	■		■	■		■	■		■	■	■
2.4	■	■		■	■		■	■		■	■		■	■	■
3.1	■	■		■	■		■	■		■	■		■	■	■
3.2	■	■		■	■		■	■		■	■		■	■	■
3.3	■	■		■	■		■	■		■	■		■	■	■
3.4	■	■		■	■		■	■		■	■		■	■	■
4.1	■	■	●	■	■	●	■	■	●	■	■	●	■	■	■
4.2	■	■		■	■		■	■		■	■		■	■	■
4.3	■	■		■	■		■	■		■	■		■	■	■
5.1	■	■	●	■	■	●	■	■	●	■	■	●	■	■	■
5.2	■	■		■	■		■	■		■	■		■	■	■
5.3	■	■		■	■		■	■		■	■		■	■	■
6.1	●	●		●	●		●	●		●	●		●	●	●
6.2	■	■	●	■	■	●	■	■	●	■	■	●	■	■	■
6.3	■	■		■	■		■	■		■	■		■	■	■
6.4	■	■		■	■		■	■		■	■		■	■	■
7.1			■			■			■			■			
7.2			■			■			■			■			
7.3			■			■			■			■			
7.4			■			■			■			■			
8.1			■			■			■			■			
8.2			■			■			■			■			
8.3			■			■			■			■			
9.1	■	■		■	■		■	■		■	■		■	■	■
10.1															

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	P841	P813	P813C	P815	P815C	P817	P819	P821	P821C	P842	P823	P825	P880	P890
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM		
	F	G	G	H	H	J	K	L	L	L	M	N		
	AL	DC	DC	DC	DC	DC	DC	DC	DC	AL	DC	DC		
	6.00 - 12.70	3.00 - 16.00	3.00 - 12.70	3.00 - 16.00	8.00 - 12.70	3.00 - 16.00	3.00 - 16.00	3.00 - 16.00	3.00 - 12.70	6.00 - 12.70	3.00 - 16.00	3.00 - 16.00	Set	Set
	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
1.1		■	■	■	■	■	■	■	■		■	■		
1.2		■	■	■	■	■	■	■	■		■	■		
1.3		■	■	■	■	■	■	■	■		■	■		
1.4		■	■	■	■	■	■	■	■		■	■		
1.5		■	■	■	■	■	■	■	■		■	■		
1.6		■	■	■	■	■	■	■	■		■	■		
1.7		■	■	■	■	■	■	■	■		■	■		
1.8		■	■	■	■	■	■	■	■		■	■		
2.1	●	■	■	■	■	■	■	■	■	●	■	■		
2.2		■	■	■	■	■	■	■	■		■	■		
2.3		■	■	■	■	■	■	■	■		■	■		
2.4		■	■	■	■	■	■	■	■		■	■		
3.1		■	■	■	■	■	■	■	■		■	■		
3.2		■	■	■	■	■	■	■	■		■	■		
3.3		■	■	■	■	■	■	■	■		■	■		
3.4		■	■	■	■	■	■	■	■		■	■		
4.1	●	■	■	■	■	■	■	■	■	●	■	■		
4.2		■	■	■	■	■	■	■	■		■	■		
4.3		■	■	■	■	■	■	■	■		■	■		
5.1	●	■	■	■	■	■	■	■	■	●	■	■		
5.2		■	■	■	■	■	■	■	■		■	■		
5.3		■	■	■	■	■	■	■	■		■	■		
6.1		●	●	●	●	●	●	●	●		●	●		
6.2	●	■	■	■	■	■	■	■	■	●	■	■		
6.3		■	■	■	■	■	■	■	■		■	■		
6.4		■	■	■	■	■	■	■	■		■	■		
7.1	■									■				
7.2	■									■				
7.3	■									■				
7.4	■									■				
8.1	■									■				
8.2	■									■				
8.3	■									■				
9.1		■	■	■	■	■	■	■	■		■	■		
10.1														

Recommended Speed (RPM)

AMG		ISO	d_1 Ø (mm) 3	6	8	10	12	16	20	
1.1 - 1.5	Steels up to 1200 N/mm²	P	64,000	32,000	24,000	20,000	16,000	12,000	10,000	min
			83,000	42,000	32,000	25,000	21,000	16,000	13,000	max
1.6 - 1.8	Steels > 1200 N/mm², Hardened Steels < 63HRc	H	51,000	26,000	20,000	16,000	13,000	10,000	8,000	min
			71,000	36,000	27,000	22,000	18,000	14,000	11,000	max
2	Stainless Steel	M	45,000	23,000	17,000	14,000	12,000	9,000	7,000	min
			64,000	32,000	24,000	20,000	16,000	12,000	10,000	max
3	Cast Iron	K	58,000	29,000	22,000	18,000	15,000	11,000	9,000	min
			77,000	39,000	29,000	23,000	20,000	15,000	12,000	max
4	Titanium	S1	45,000	23,000	17,000	14,000	12,000	9,000	7,000	min
			58,000	29,000	22,000	18,000	15,000	11,000	9,000	max
5	Nickel	S1	45,000	23,000	17,000	14,000	12,000	9,000	7,000	min
			58,000	29,000	22,000	18,000	15,000	11,000	9,000	max
6	Copper	N	64,000	32,000	24,000	20,000	16,000	12,000	10,000	min
			71,000	36,000	27,000	22,000	18,000	14,000	11,000	max
7	Aluminium/ Magnesium	N	71,000	36,000	27,000	22,000	18,000	14,000	11,000	min
			96,000	48,000	36,000	29,000	24,000	18,000	15,000	max
8	Synthetic materials	O	77,000	39,000	29,000	23,000	20,000	15,000	12,000	min
			96,000	48,000	36,000	29,000	24,000	18,000	15,000	max

WARNING:
These recommendations are for standard length Burrs with 13 mm maximum overhang, when exeeding the maximum overhang of 13 mm it is generally recommended to use much lower safety speeds.
Don't run the burr above the maximum speed, this can cause premature wear.
Don't run the burr too slowly, this can cause chipping.
Don't apply more cutting depth than 1/3 of the diameter, don't encapsulate.
For brazed rotary burrs: don't allow the burr to become too hot, this may cause the braze to soften and cause the head to become detached from the shank.

ADVERTANCIA:
Estas recomendaciones son para limas rotativas con una longitud estándar de 13 mm de máximo voladizo. Cuando se excede de 13 mm de máximo voladizo la recomendación general es utilizar valocidades mas bajas por seguridad.
No utilizar la herramienta por encima de la velocidad máxima, esto puede causar un desgaste prematuro.
No utilizar la herramienta con velocidades demasiado bajas, esto puede causar astillamiento.
No aplicar con una profundidad de corte mayor de 1/3 del diámetro, no encapsular.
Para limas rotativas soldadas: No permitir que la herramienta se caliente demasiado, esto puede causar el reblandecimiento de la soldadura y que la cabeza se separe del mango.

AVISO:
Estas recomendações são para rebarbas de comprimento padrão com 13 mm consola máxima, excedento os 13 mm de consola máxima é geralmente recomendada a utilização de velocidades de segurança muit mais baixas.
Não execute a rebarba acima da velocidade máxima, isso pode causar um desgaste prematuro.
Não execute a rebarba demasiado lentamente, isso pode causar lasca.
Não aplicar maior profundidade de corte do que 1/3 do Diâmetro, não encapsular.
Para Limas Rotativas soldadas: Não permita que a rebarba se torne demasiado quente, isso pode causar o amolecimento da solda e provocar que a cabeça se solte da haste.

AVERTISSEMENT:
Ces recommandations sont pour les fraises de longueur standard avec 13 mm de porte-à-faux maximal, au-delà du porte à-faux maximum de 13 mm, il est généralement recommandé d'utiliser des vitesses beaucoup plus faibles.
Ne pas faire fonctionner la fraise au-dessus de la vitesse maximale, ceci peut provoquer une usure prématurée.
Ne pas faire fonctionner la fraise trop lentement, ceci peut causer son éclatement.
Ne pas appliquer une profondeur de coupe supérieure à 1/3 du diamètre, ne pas encapsuler.
Pour les fraises rotatives brasées: ne laissez pas la fraise devenir trop chaude, cela peut ramolir la brasure et amener la tête à se détacher de la queue.

Personal protective equipment must be worn at all times

Se debe utilizar equipo de protección personal en todo momento

Deve ser sempre utilizado equipamento de proteção individual.

Un équipement de protection individuelle doit être porté pour chaque utilisation

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P801	HM	A					DC	DORMER
P801C	HM	A			TiAlN		DC	DORMER
P831	HM	A					AL	DORMER

P801
P801C
P831

- Rotary Burr - Cylinder without endcut
- Limas rotativas - Cilíndrica sin corte frontal
- Lima Rotativa - Forma Cilindrica sem corte frontal
- Lime rotative - Cylindrique sans coupe en bout

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P801; P801C	■	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1
	●	6.1
P831	■	6.1 7.1 7.2 7.3 7.4 8.1 8.2 8.3
	●	2.1 4.1 5.1 6.2

P801	P801C	P831
		
3.00 - 16.00	3.00 - 12.70	6.00 - 12.70

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P801	P801C	P831
3.00	3	14	38	P8013.0X3.0 [1]	P801C3.0X3.0 [1]	
6.30	3	12.7	45	P8016.3X3.0		
6.00	6	18	50	P8016.0X6.0 [1]	P801C6.0X6.0 [1]	P8316.0X6.0 [1]
8.00	6	19	64	P8018.0X6.0	P801C8.0X6.0	
9.60	6	19	64	P8019.6X6.0	P801C9.6X6.0	P8319.6X6.0
12.70	6	25	70	P80112.7X6.0	P801C12.7X6.0	P83112.7X6.0
16.00	6	25	70	P80116.0X6.0		

[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

P803
P803C
P833

- Rotary Burr - Cylinder with endcut
- Lima rotativa - Cilíndrica con corte frontal
- Lima Rotativa - Forma Cilíndrica com corte frontal
- Lime rotative - Cylindrique avec coupe en bout

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P803; P803C	■	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1
	●	6.1
P833	■	6.1 7.1 7.2 7.3 7.4 8.1 8.2 8.3
	●	2.1 4.1 5.1 6.2

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P803	P803C	P833
3.00	3	14	38	P8033.0X3.0 [1]	P803C3.0X3.0 [1]	
6.30	3	12.7	45	P8036.3X3.0		
6.00	6	18	50	P8036.0X6.0 [1]	P803C6.0X6.0 [1]	P8336.0X6.0 [1]
8.00	6	19	64	P8038.0X6.0	P803C8.0X6.0	
9.60	6	19	64	P8039.6X6.0	P803C9.6X6.0	P8339.6X6.0
12.70	6	25	70	P80312.7X6.0	P803C12.7X6.0	P83312.7X6.0
16.00	6	25	70	P80316.0X6.0		

[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

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P805
P805C
P835

- Rotary Burr - Ball Nosed Cylinder
- Lima Rotativa - Cilíndrica con Punta Esférica
- Lima Rotativa - Forma Cilindrica com Topo Boleado
- Lime rotative - Cylindrique à bout rond

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P805; P805C	■	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1
	●	6.1
P835	■	6.1 7.1 7.2 7.3 7.4 8.1 8.2 8.3
	●	2.1 4.1 5.1 6.2

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P805	P805C	P835
3.00	3	14	38	P8053.0X3.0 [1]	P805C3.0X3.0 [1]	
6.30	3	12.7	45	P8056.3X3.0		
6.00	6	18	50	P8056.0X6.0 [1]	P805C6.0X6.0 [1]	P8356.0X6.0 [1]
8.00	6	19	64	P8058.0X6.0	P805C8.0X6.0	
9.60	6	19	64	P8059.6X6.0	P805C9.6X6.0	P8359.6X6.0
12.70	6	25	70	P80512.7X6.0	P805C12.7X6.0	P83512.7X6.0
16.00	6	25	70	P80516.0X6.0		

[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

P807
P807C
P837

- Rotary Burr - Ball
- Lima Rotativa - Esférica
- Lima Rotativa - Forma Esférica
- Lime rotative - Boule

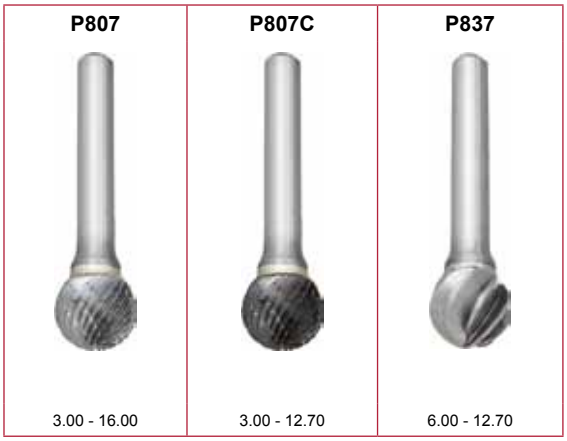
Brazed above 6.00 mm

Soldada sobre 6.00 mm

Brasada acima de 6.00 mm

Brasée au-dessus de 6,00 mm

P807; P807C	■	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1
	●	6.1
P837	■	6.1 7.1 7.2 7.3 7.4 8.1 8.2 8.3
	●	2.1 4.1 5.1 6.2



d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P807	P807C	P837
3.00	3	2.5	38	P8073.0X3.0 [1)]	P807C3.0X3.0 [1)]	
4.00	3	3.4	38	P8074.0X3.0 [1)]		
6.30	3	5	38	P8076.3X3.0		
6.00	6	4.7	50	P8076.0X6.0 [1)]	P807C6.0X6.0 [1)]	P8376.0X6.0 [1)]
8.00	6	6	52	P8078.0X6.0	P807C8.0X6.0	
9.60	6	8	54	P8079.6X6.0	P807C9.6X6.0	P8379.6X6.0
12.70	6	11	56	P80712.7X6.0	P807C12.7X6.0	P83712.7X6.0
16.00	6	14	59	P80716.0X6.0		

[1)] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

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P809 HM E DC DORMER

P809

- Rotary Burr - Oval
- Lima Rotativa - Ovalada
- Lima Rotativa - Forma Oval
- Lime rotative - Ovale

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P809																				
	■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3
		5.1	5.2	5.3	6.2	6.3	6.4	9.1												
	●	6.1																		

P809

3.00 - 16.00

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P809
3.00	3	6	38	P8093.0X3.0 [1]
6.30	3	9.5	42	P8096.3X3.0
6.00	6	10	50	P8096.0X6.0 [1]
8.00	6	15	60	P8098.0X6.0
9.60	6	16	60	P8099.6X6.0
12.70	6	22	67	P80912.7X6.0
16.00	6	25	70	P80916.0X6.0

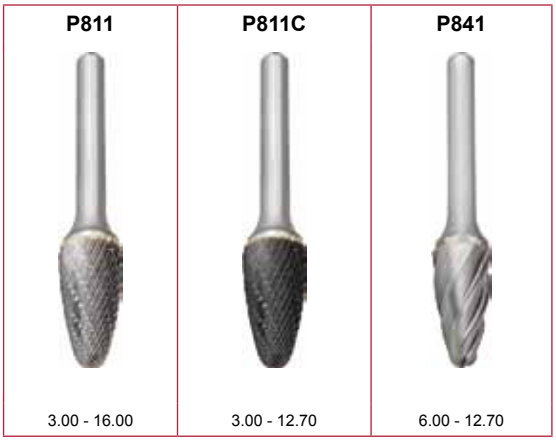
[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

P811
P811C
P841

- Rotary Burr - Ball Nosed Tree
- Lima Rotativa - Arbol con Punta Esférica
- Lima Rotativa - Forma de Árvore Boleada
- Lime rotative - Ogive à bout rond

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P811; P811C	■	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1
	●	6.1
P841	■	6.1 7.1 7.2 7.3 7.4 8.1 8.2 8.3
	●	2.1 4.1 5.1 6.2



d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P811	P811C	P841
3.00	3	14	38	P8113.0X3.0 [1]	P811C3.0X3.0 [1]	
6.30	3	12.7	45	P8116.3X3.0		
6.00	6	18	50	P8116.0X6.0 [1]	P811C6.0X6.0 [1]	P8416.0X6.0 [1]
8.00	6	20	65	P8118.0X6.0		
9.60	6	19	64	P8119.6X6.0	P811C9.6X6.0	P8419.6X6.0
12.70	6	25	70	P81112.7X6.0	P811C12.7X6.0	P84112.7X6.0
16.00	6	25	70	P81116.0X6.0		

[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

DORMER

P813
P813C

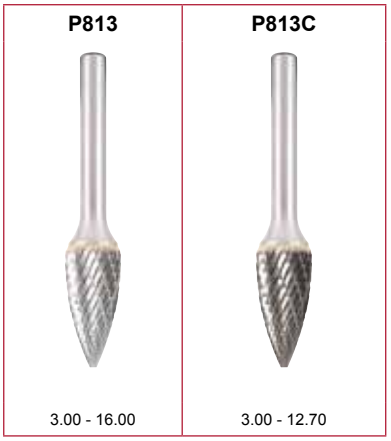
- Rotary Burr - Pointed Tree
- Lima Rotativa - Arbol con Punta
- Lima Rotativa - Forma de Árvore Pontiaguda
- Lime rotative - Ogive à bout pointu

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P813; P813C

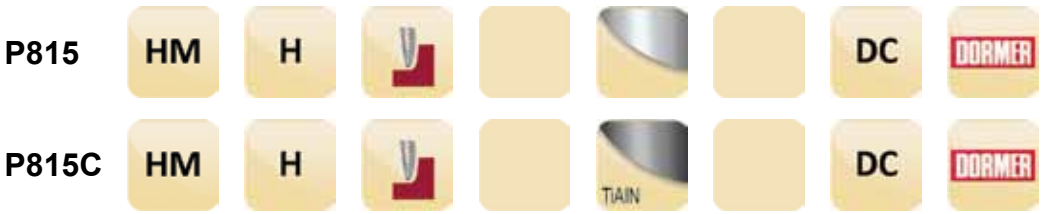
■ 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1

● 6.1



d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P813	P813C
3.00	3	14	38	P8133.0X3.0 [1)]	P813C3.0X3.0 [1)]
6.30	3	12.7	45	P8136.3X3.0	
6.00	6	18	50	P8136.0X6.0 [1)]	P813C6.0X6.0 [1)]
8.00	6	19	64	P8138.0X6.0	
9.60	6	19	64	P8139.6X6.0	P813C9.6X6.0
12.70	6	25	70	P81312.7X6.0	P813C12.7X6.0
16.00	6	25	70	P81316.0X6.0	

[1)] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

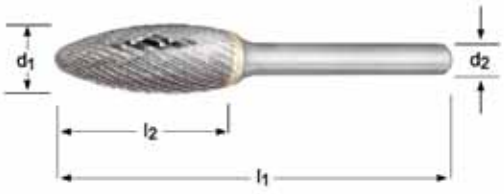


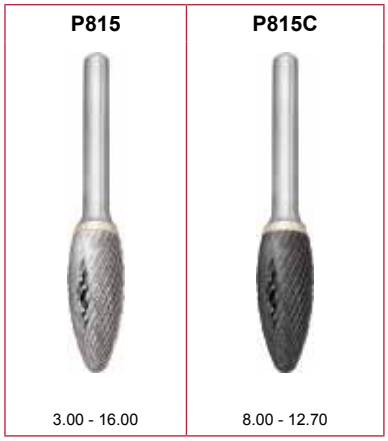
P815
P815C

- Rotary Burr - Flame
- Lima Rotativa - Llama
- Lima Rotativa - Forma de Chama
- Lime rotative - Flamme

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P815; P815C																			
	■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2
		4.3	5.1	5.2	5.3	6.2	6.3	6.4	9.1										
	●	6.1																	





d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P815	P815C
3.00	3	6	38	P8153.0X3.0 [1)]	
6.00	6	14	50	P8156.0X6.0 [1)]	
8.00	6	19	64	P8158.0X6.0	P815C8.0X6.0
9.60	6	19	65	P8159.6X6.0	
12.70	6	32	77	P81512.7X6.0	P815C12.7X6.0
16.00	6	36	81	P81516.0X6.0	

[1)] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

DORMER

P817 HM J 60° DC DORMER

P817

- Rotary Burr - 60° Countersink
- Lima Rotativa - Cónica 60°
- Lima Rotativa - Forma Escareador a 60º
- Lime rotative - Fraisure à 60°

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P817																				
	■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3
		5.1	5.2	5.3	6.2	6.3	6.4	9.1												
	●	6.1																		

P817

3.00 - 16.00

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P817
3.00	3	2.5	38	P8173.0X3.0 [1]
6.00	6	4	50	P8176.0X6.0 [1]
9.60	6	8	56	P8179.6X6.0
12.70	6	11	59	P81712.7X6.0
16.00	6	14.5	63	P81716.0X6.0

[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

P819 HM K 90° DC DORMER

P819

- Rotary Burr - 90° Countersink
- Lima Rotativa - Cónica 90°
- Lima Rotativa - Forma Escareador a 90º
- Lime rotative - Fraisure à 90°

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P819																				
	■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3
		5.1	5.2	5.3	6.2	6.3	6.4	9.1												
	●	6.1																		

P819

3.00 - 16.00

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	P819	
3.00	3	1.5	38	P8193.0X3.0	1)
6.00	6	3	50	P8196.0X6.0	1)
9.60	6	4.7	53	P8199.6X6.0	
12.70	6	6.3	55	P81912.7X6.0	
16.00	6	8	57	P81916.0X6.0	

1) d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

DORMER

P821	HM	L					DC	DORMER
P821C	HM	L			TiAlN		DC	DORMER
P842	HM	L					AL	DORMER

P821
P821C
P842

- Rotary Burr - Ball Nosed Cone
- Lima Rotativa - Cónica con Punta Esférica
- Lima Rotativa - Forma Cónica Boleada
- Lime rotative - Conique à bout rond

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P821; P821C	■	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.2 6.3 6.4 9.1
	●	6.1
P842	■	6.1 7.1 7.2 7.3 7.4 8.1 8.2 8.3
	●	2.1 4.1 5.1 6.2

P821	P821C	P842
		
3.00 - 16.00	3.00 - 12.70	6.00 - 12.70

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	▷	P821	P821C	P842
3.00	3	14	38	8°	P8213.0X3.0 [1]	P821C3.0X3.0 [1]	
6.00	6	18	50	14°	P8216.0X6.0 [1]		P8426.0X6.0 [1]
8.00	6	25.4	70	14°	P8218.0X6.0		
9.60	6	30	76	14°	P8219.6X6.0		P8429.6X6.0
12.70	6	32	77	14°	P82112.7X6.0	P821C12.7X6.0	P84212.7X6.0
16.00	6	33	78	14°	P82116.0X6.0		

[1] d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

P823 HM M DC DORMER

P823

- Rotary Burr - Cone
- Lima Rotativa - Cónica
- Lima Rotativa - Forma Cónica
- Lime rotative - Conique

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P823																				
	■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3
		5.1	5.2	5.3	6.2	6.3	6.4	9.1												
	●	6.1																		

P823

3.00 - 16.00

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	▷	P823	
3.00	3	11	38	14°	P8233.0X3.0	1)
6.30	3	12.7	49	22°	P8236.3X3.0	
6.00	6	20	50	14°	P8236.0X6.0	1)
9.60	6	16	64	28°	P8239.6X6.0	
12.70	6	22	71	28°	P82312.7X6.0	
16.00	6	25	71	31°	P82316.0X6.0	

1) d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

DORMER

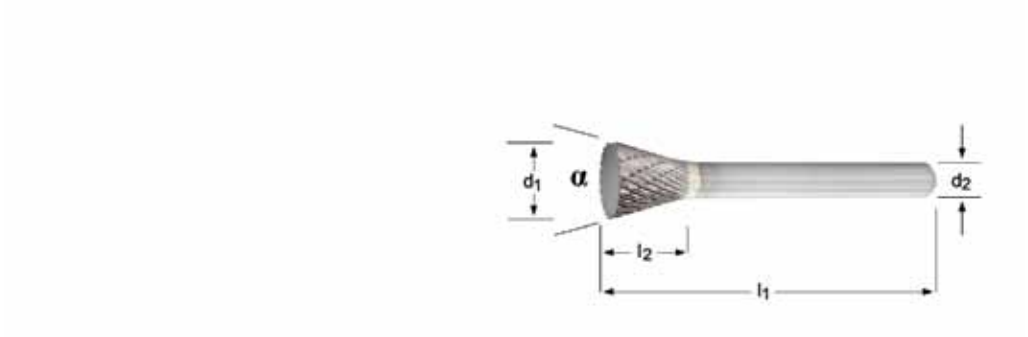
P825 HM N DC DORMER

P825

- Rotary Burr - Inverted Cone
- Lima Rotativa - Cónica Invertida
- Lima Rotativa - Forma Cónica Invertida
- Lime rotative - Conique inverse

Brazed above 6.00 mm
Soldada sobre 6.00 mm
Brasada acima de 6.00 mm
Brasée au-dessus de 6,00 mm

P825																				
	■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3
		5.1	5.2	5.3	6.2	6.3	6.4	9.1												
	●	6.1																		



P825

3.00 - 16.00

d_1 Ø mm	d_2 Øh7 mm	l_2 mm	l_1 mm	▷	P825	
3.00	3	4	38	10°	P8253.0X3.0	1)
6.30	3	6	39	12°	P8256.3X3.0	
6.00	6	8	50	10°	P8256.0X6.0	1)
9.60	6	9.5	55	16°	P8259.6X6.0	
12.70	6	12.7	58	28°	P82512.7X6.0	
16.00	6	19	64	18°	P82516.0X6.0	

1) d_2 tolerance h6 / d_2 tolerancia h6 / d_2 tolerância h6 / d_2 tolérance h6

P880

- Rotary Burr Set — A=Styles in Set, B=No. in Set, C=Diameters in Set
- Juego de Limas Rotativas — A=Referencia de la broca, B=Num.de piezas, C=Diámetros en el Juego
- Jogo de Limas Rotativas — A=Referência no Jogo, B=Quant. por Jogo., C=Diâmetros por Jogo
- Set de limes rotatives — A=Types dans le coffret, B=Nombre dans le coffret, C=Diamètres dans le coffret

P880

Set

Nr.	A	B	C	P880
Nr01	P803 + P805 + P807 + P809 + P813	5	P8039.6X6.0 P8059.6X6.0 P8079.6X6.0 P8099.6X6.0 P8139.6X6.0	P88001

P890

- Rotary Burr Dispenser — A=Styles in Set, B=No. in Set, C=Diameters in Set
- Dispensador de Limas Rotativas — A=Referencia de la broca, B=Num.de piezas, C=Diámetros en el Juego
- Expositor para Limas Rotativas — A=Referência no Jogo, B=Quant. por Jogo., C=Diâmetros por Jogo
- Présentoir de limes rotatives — A=Types dans le coffret, B=Nombre dans le coffret, C=Diamètres dans le coffret

P890

Set

Nr.	A	B	C	P890
Nr01	P803 + P805 + P811 + P813 + P821	40	P803(6.0X6.0, 8.0X6.0, 9.6X6.0, 12.7X6.0) X 2 P805(6.0X6.0, 8.0X6.0, 9.6X6.0, 12.7X6.0) X 2 P811(6.0X6.0, 8.0X6.0, 9.6X6.0, 12.7X6.0) X 2 P813(6.0X6.0, 8.0X6.0, 9.6X6.0, 12.7X6.0) X 2 P821(6.0X6.0, 8.0X6.0, 9.6X6.0, 12.7X6.0) X 2	P89001

Icon descriptions / Descripción de los iconos
Descrição dos Símbolos / Description des symboles

Material
Material
Material
Matière

Carbide
Metal Duro
Metal Duro
Carbure

Coating
Tratamiento superficial
Revestimento
Revêtement

Bright
Brillante
Brilhante
Brillant

Titanium Aluminium Nitride
Nitruro de Aluminio al Titanio
Nitreto Titânio Alumínio
Nitrure de titane aluminium

Countersink
º de avellanado
Ângulo de Escareador
º d'épaulement

Application
Aplicaciones
Aplicação
Utilisation

Cylinder without endcut
Cilíndrica sin corte frontal
Cilindrica sem corte frontal
Cylindrique sans coupe en bout

Cylinder with endcut
Cilíndrica con corte frontal
Cilíndrica com corte frontal
Cylindrique avec coupe en bout

Ball Nosed Cylinder
Cilíndrica con Punta Esférica
Cilindrica com Topo Boleado
Cylindrique à bout rond

Ball
Esférica
Esférica
Boule

Oval
Ovalada
Oval
Ovale

Ball nosed tree
Arbol con Punta Esférica
Árvore Boleada
Ogive à bout rond

Pointed Tree
Arbol con Punta
Árvore Pontiaguda
Ogive à bout pointu

Flame
Llama
Chama
Flamme

60° Countersink
Cónica 60°
Escareador a 60º
Fraisure à 60°

90° Countersink
Cónica 90°
Escareador a 90º
Fraisure à 90°

Ball nosed cone
Cónica con Punta Esférica
Cónica Boleada
Conique à bout rond

Cone
Cónica
Cónica
Conique

Inverted cone
Cónica Invertida
Cónica Invertida
Conique inverse

Type
Tipo
Tipo
Type

Double Cut for General purpose use
Doble Corte para uso general
Corte Duplo para uso geral
Denture croisée pour utilisation générale

Aluminium Cut for non-ferrous materials including plastics
Corte para Aluminio para materiales no férreos incluyendo plásticos
Corte Alumínio para materiais não ferrosos, incluindo plásticos.
Coupe aluminium pour les matériaux non-ferreux et les plastiques

---

End Cut
corte frontal
corte frontal
coupe en bout

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F: 54 (11) 4441-4467
dormer.ar@dormertools.com

Australia
T: 1300 131 274
F: +61 3 9238 7105
dormer.int@dormertools.com

Brazil
responsible for **Bolivia, Panama, Chile, Paraguay, Colombia, Peru, Costa Rica, Uruguay, Ecuador, Venezuela, Guatemala**
T: +55 11 5660 3000
F: +55 11 5667 5883
dormer.br@dormertools.com

Canada
T: (888) 336 7637
En Français: (888) 368 8457
F: (905) 542 7000
cs.canada@dormertools.com

China
T: +86 21 24160508
F: +86 21 5442 6315
dormer.cn@dormertools.com

Czech Republic
responsible for **Export CEE, Romania, Macedonia, Slovenia, Serbia, Ukraine, Bosnia-Herzegovina, Croatia, Belarus, Montenegro, Bulgaria**
pramet.info.row@pramet.com
T: +420 583 381 111
F: +420 583 215 401
pramet.info.cz@pramet.com

Denmark
T: +45 43 46 52 80
F: +45 43 46 52 81
dormer.dk@dormertools.com
Kundetjeneste
T: direkt 808 82106
F: direkt +46 35 16 52 90

Dormer Tools International
responsible for **Middle East, Far East**
T: +44 1246 571338
F: +44 1246 571339
dormer.int@dormertools.com

Finland
T: +358 205 44 121
F: +358 205 44 5199
Customer Service
T: direkt 0205 44 7003
F: direkt 0205 44 7004
dormer.fi@dormertools.com

France
T: +33 (0)2 47 62 57 01
F: +33 (0)2 47 62 52 00
dormer.fr@dormertools.com

Germany
T: +49 9131 933 08 70
F: +49 9131 933 08 742
dormer.de@dormertools.com

Hungary
T: +36-96 / 522-846
F: +36-96 / 522-847
pramet.info.hu@pramet. com

India
T: +91 124 470 3825
dormer.in@dormertools.com

Italy
T: +39 02 38 04 51
F: +39 02 38 04 52 43
dormer.it@dormertools.com

Netherlands
T: +31 10 2080 240
F: +31 10 2080 282
dormer.nl@dormertools.com
responsible for
Austria
T: +31 10 2080 212
F: +31 10 2080 282
dormer.at@dormertools.com
and
Belgium
T: +32 3 440 59 01
F: +32 3 449 15 43
Email: dormer.be@dormertools.com
and
Switzerland
T: +31 10 2080 212
F: +31 10 2080 282
dormer.ch@dormertools.com

New Zealand
T: +64 9 2735858
F: +64 9 2735857
dormer.int@dormertools.com

Norway
T:+47 67 17 56 00
F:+47 66 85 96 10
dormer.no@dormertools.com
Kundeservice
T: direkt 800 10 113
F: direkt +46 35 16 52 90

Poland
T: +48 32 78-15-890
F: +48 32 78-60-406
pramet.info.pl@pramet.com

Russia
T: +7 495 775 10 28
pramet.info.ru@pramet.com

Slovakia
T: +421 417 645 659
F:+421 417 637 449
pramet.info.sk@pramet.com

Spain
T: +34 935717722
F: +34 935717765
info.safety-iberica@safety-cuttingtools.com
responsible for
Portugal
T: +351 21 424 54 21
F: +351 21 424 54 25

Sweden
responsible for
Iceland, Lithuania, Latvia, Estonia
T: +46 (0) 35 16 52 00
F: +46 (0) 35 16 52 90
dormer.se@dormertools.com
Kundservice
T: direkt +46 35 16 52 96
F: direkt +46 35 16 52 90

United Kingdom
responsible for **Ireland**
T: 0870 850 4466
F: 0870 850 8866
dormer.uk@dormertools.com

United States of America
responsible for Mexico
T: (800) 877-3745
F: (847) 783-5760
cs@dormertools. com

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