

Fresa en metal duro.



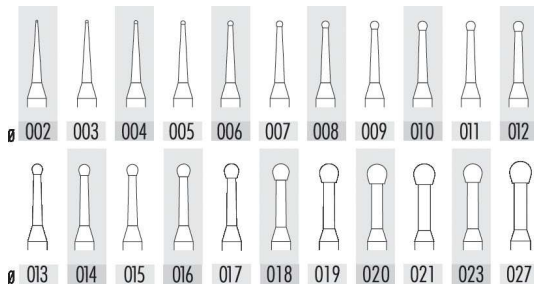
MSA	Longitud total	Kg
22.558-270	25 mm (5 mm)	0.001

Fresa en metal duro para pies de esfera.
- Cuerpo Ø 3.00 ; corte Ø 2.70 mm.

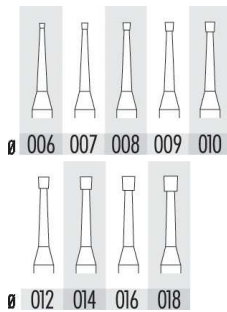
Fresas en carburo de tungsteno, tija Ø 2.35 mm.

Ejemplo de pedido : MSA22.400-xxxx
(Extensiones 3 cifras = Ø cabeza mm)

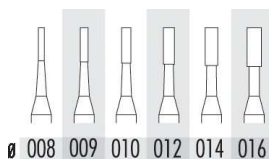
MSA22.400-002 = Ø cabeza 0.20 mm
MSA22.400-027 = Ø cabeza 2.70 mm



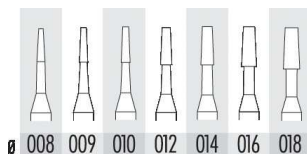
MSA	Tipo	Forma	Ø cabeza	Kg
22.400-002	123	Redonda	0.20 mm	0.001
...
22.400-027	123	Redonda	2.70 mm	0.001



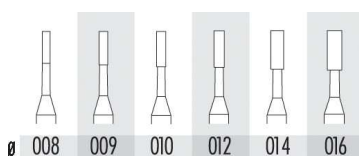
MSA	Tipo	Forma	Ø cabeza	Kg
22.401-006	124	Cono invertido	0.60 mm	0.001
...
22.401-018	124	Cono invertido	1.80 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.404-008	129	Cilíndrica	0.80 mm	0.001
...
22.404-016	129	Cilíndrica	1.60 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.405-008	130	Cono	0.80 mm	0.001
...
22.405-018	130	Cono	1.80 mm	0.001

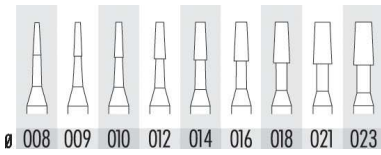


MSA	Tipo	Forma	Ø cabeza	Kg
22.407-008	137	Cilíndrica	0.80 mm	0.001
...
22.407-016	137	Cilíndrica	1.60 mm	0.001



Ejemplo de pedido : MSA22.400-xxxx
(Extensiones 3 cifras = Ø cabeza mm)

MSA22.400-008 = Ø cabeza 0.80 mm
MSA22.400-023 = Ø cabeza 2.30 mm



MSA	Tipo	Forma	Ø cabeza	Kg
22.408-008	138	Cono	0.80 mm	0.001
...
22.408-023	138	Cono	2.30 mm	0.001

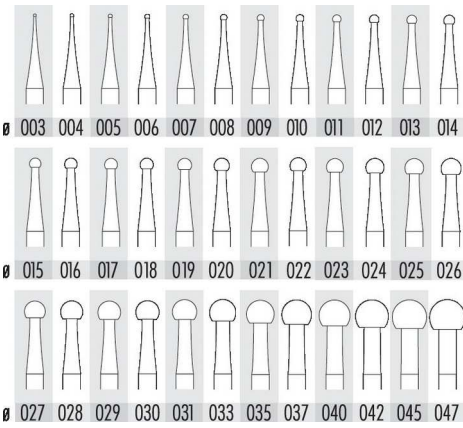


MSA	Tipo	Longitud	Ø cabeza	Kg
22.450	Estándar	12.20 mm	6 mm	0.002
22.450-F	Fino	12.20 mm	6 mm	0.002

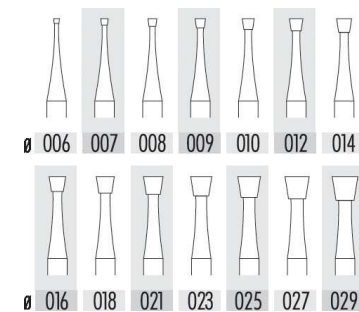
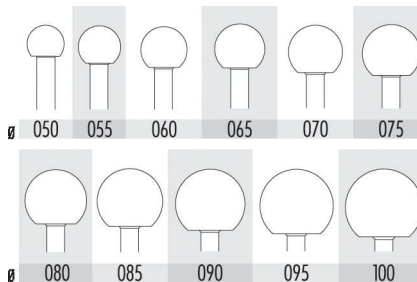
Fresas en acero para herramientas, tija Ø 2.35 mm.

Ejemplo de pedido : MSA22.300-xxxx
(Extensiones 3 cifras = Ø cabeza mm)

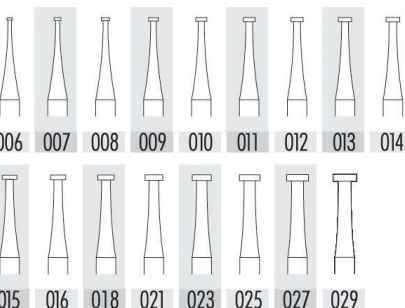
MSA22.300-003 = Ø cabeza 0.30 mm
MSA22.300-100 = Ø cabeza 10.00 mm



MSA	Tipo	Forma	Ø cabeza	Kg
22.300-003	23	Redonda	0.30 mm	0.001
...
22.300-100	23	Redonda	10.00 mm	0.001

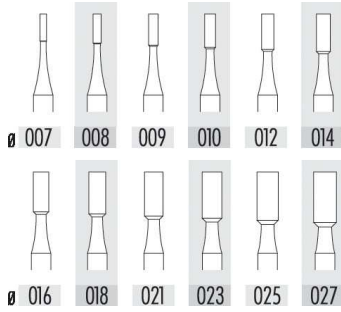


MSA	Tipo	Forma	Ø cabeza	Kg
22.301-006	24	Cono invertido	0.60 mm	0.001
...
22.301-029	24	Cono invertido	2.90 mm	0.001

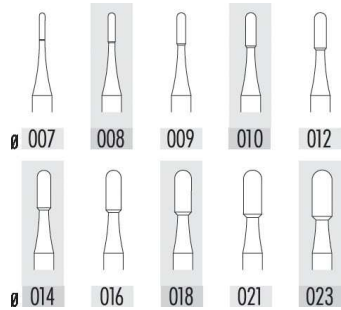


MSA	Tipo	Forma	Ø cabeza	Kg
22.302-006	25	Rueda	0.60 mm	0.001
...
22.302-029	25	Rueda	2.90 mm	0.001

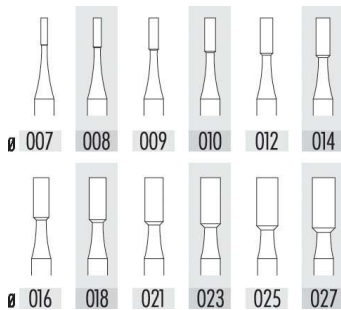




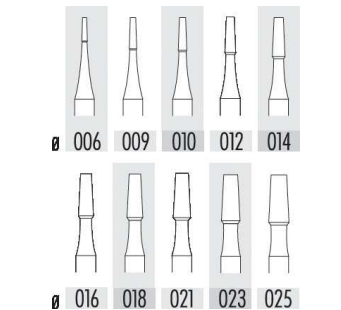
MSA	Tipo	Forma	Ø cabeza	Kg
22.303-007	26	Cilíndrica	0.70 mm	0.001
...
22.303-027	26	Cilíndrica	2.70 mm	0.001



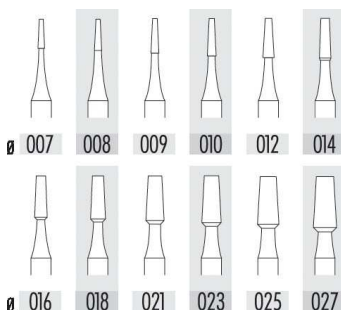
MSA	Tipo	Forma	Ø cabeza	Kg
22.304-007	28	Cilíndrica	0.70 mm	0.001
...
22.304-023	28	Cilíndrica	2.30 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.312-007	29	Cilíndrica	0.70 mm	0.001
...
22.312-027	29	Cilíndrica	2.70 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.305-009	30	Cono	0.90 mm	0.001
...
22.305-025	30	Cono	2.50 mm	0.001



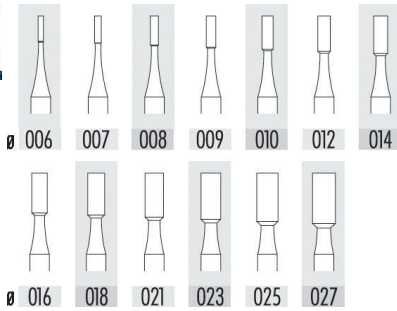
MSA	Tipo	Forma	Ø cabeza	Kg
22.313-007	31	Cono	0.70 mm	0.001
...
22.313-027	31	Cono	2.70 mm	0.001



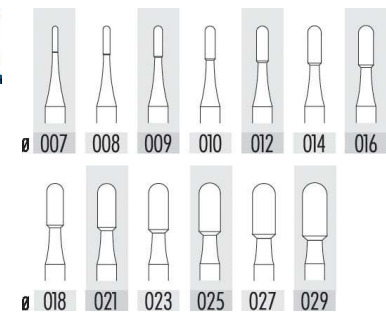
FRESAS

Ejemplo de pedido : MSA22.306-xxxx
(Extensiones 3 cifras = Ø cabeza mm)

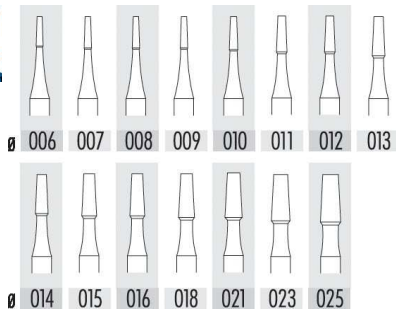
MSA22.306-006 = Ø cabeza 0.60 mm
MSA22.308-027 = Ø cabeza 2.70 mm



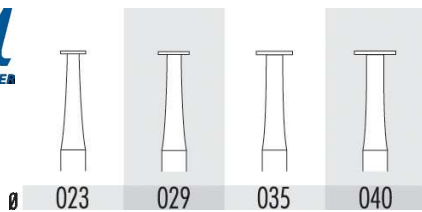
MSA	Tipo	Forma	Ø cabeza	Kg
22.306-006	34	Cilíndrica	0.60 mm	0.001
...
22.306-027	34	Cilíndrica	2.70 mm	0.001



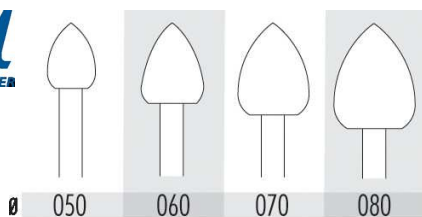
MSA	Tipo	Forma	Ø cabeza	Kg
22.308-007	36	Cilíndrica	0.70 mm	0.001
...
22.308-029	36	Cilíndrica	2.90 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.309-006	38	Cono	0.60 mm	0.001
...
22.309-025	38	Cono	2.50 mm	0.001

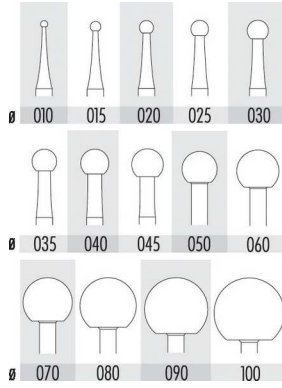


MSA	Tipo	Forma	Ø cabeza	Kg
22.311-023	45	Rueda	2.30 mm	0.001
...
22.311-040	45	Rueda	4.00 mm	0.001

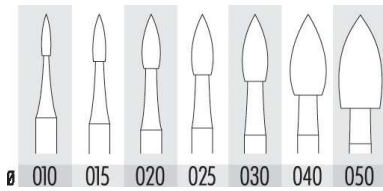


MSA	Tipo	Forma	Ø cabeza	Kg
22.211-050	83	Ojiva	5.00 mm	0.001
...
22.211-080	83	Ojiva	8.00 mm	0.001

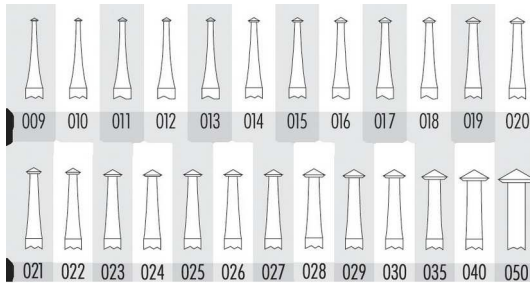




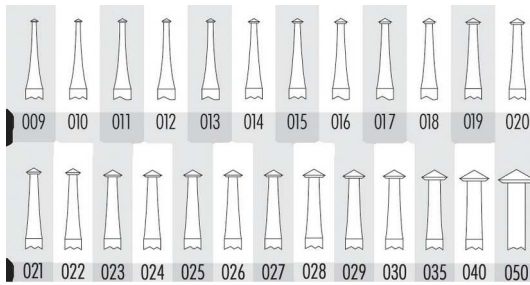
MSA	Tipo	Forma	Ø cabeza	Kg
22.100-010	A	Redonda fina	1.00 mm	0.001
...
22.100-100	A	Redonda fina	10.00 mm	0.001



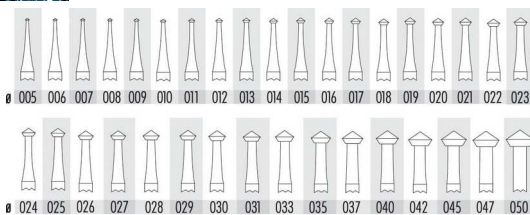
MSA	Tipo	Forma	Ø cabeza	Kg
22.102-010	G	Llama fina	1.00 mm	0.001
...
22.102-050	G	Llama fina	5.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.103-009	H	Doble cono 120°	0.90 mm	0.001
...
22.103-050	H	Doble cono 120°	5.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.121-005	HB	Doble cono 70°	0.50 mm	0.001
...
22.121-037	HB	Doble cono 70°	3.70 mm	0.001

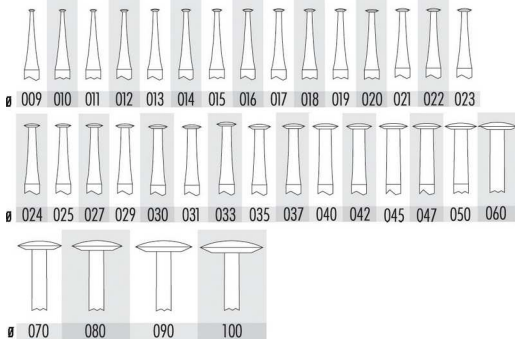


MSA	Tipo	Forma	Ø cabeza	Kg
22.104-005	HD	Doble cono 90°	0.50 mm	0.001
...
22.104-050	HD	Doble cono 90°	5.00 mm	0.001

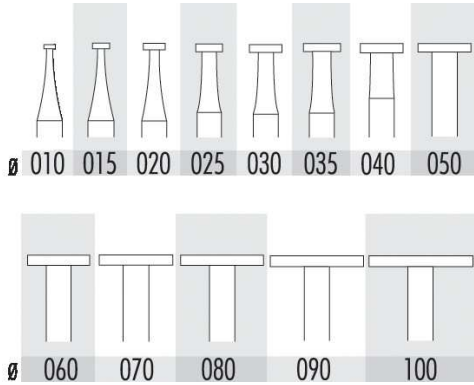


Ejemplo de pedido : MSA22.105-xxxx
(Extensiones 3 cifras = Ø cabeza mm)

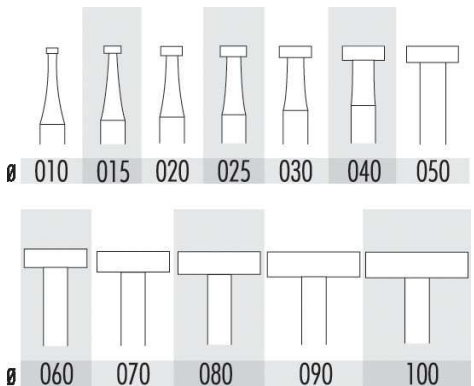
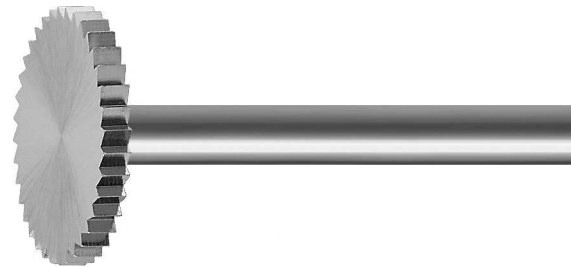
MSA22.105-009 = Ø cabeza 0.90 mm
MSA22.105-100 = Ø cabeza 10.00 mm



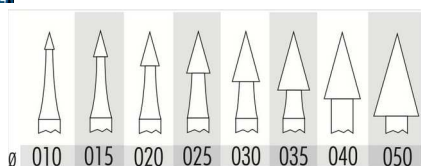
MSA	Tipo	Forma	Ø cabeza	Kg
22.105-009	HH	Lente	0.90 mm	0.001
...
22.105-100	HH	Lente	10.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.107-010	K	Rueda	1.00 mm	0.001
...
22.107-100	K	Rueda	10.00 mm	0.001

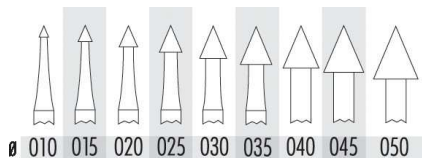


MSA	Tipo	Forma	Ø cabeza	Kg
22.110-010	KK	Rueda	1.00 mm	0.001
...
22.110-100	KK	Rueda	10.00 mm	0.001

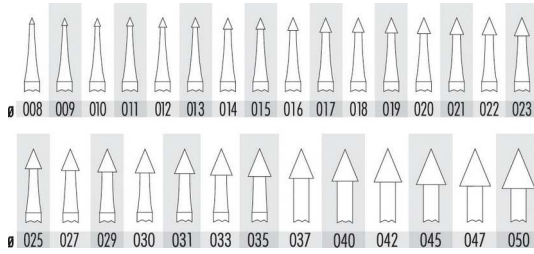


MSA	Tipo	Forma	Ø cabeza	Kg
22.112-010	N	Cono 30°	1.00 mm	0.001
...
22.112-050	N	Cono 30°	5.00 mm	0.001

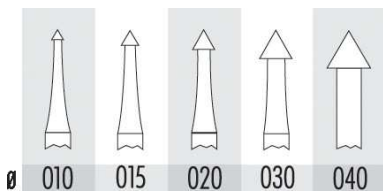




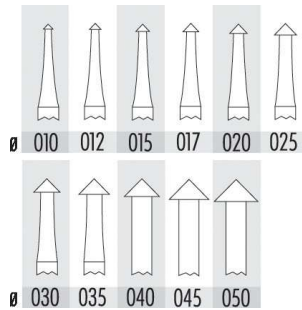
MSA	Tipo	Forma	Ø cabeza	Kg
22.113-010	NN (fino)	Cono 45°	1.00 mm	0.001
...
22.113-050	NN (fino)	Cono 45°	5.00 mm	0.001



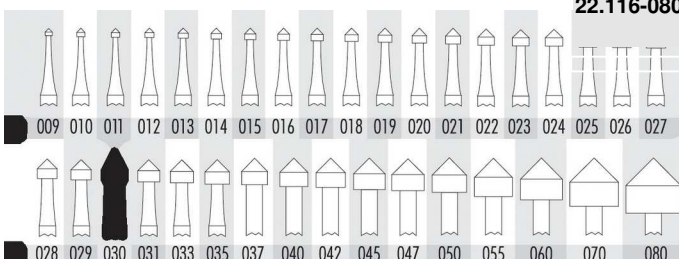
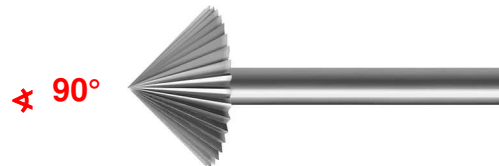
MSA	Tipo	Forma	Ø cabeza	Kg
22.123-008	NN (grueso)	Cono 45°	0.80 mm	0.001
...
22.123-050	NN (grueso)	Cono 45°	5.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.114-010	O	Cono 60°	1.00 mm	0.001
...
22.114-040	O	Cono 60°	4.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.115-010	P	Cono 90°	1.00 mm	0.001
...
22.115-050	P	Cono 90°	5.00 mm	0.001

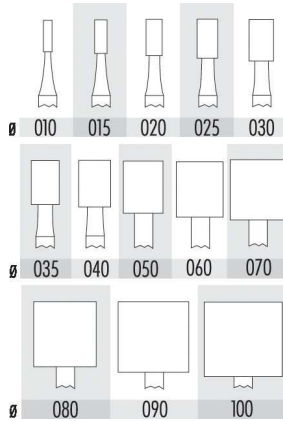


MSA	Tipo	Forma	Ø cabeza	Kg
22.116-009	Q	Cilíndrica puntiaguda	0.90 mm	0.001
...
22.116-080	Q	Cilíndrica puntiaguda	8.00 mm	0.001

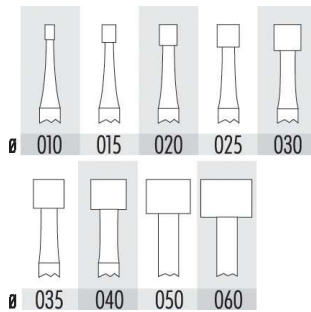


Ejemplo de pedido : MSA22.117-xxxx
(Extensiones 3 cifras = Ø cabeza mm)

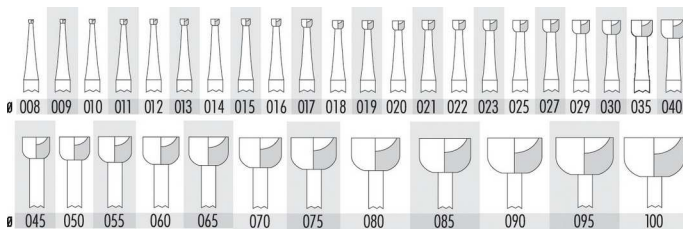
MSA22.117-010 = Ø cabeza 0.10 mm
MSA22.117-100 = Ø cabeza 10.00 mm



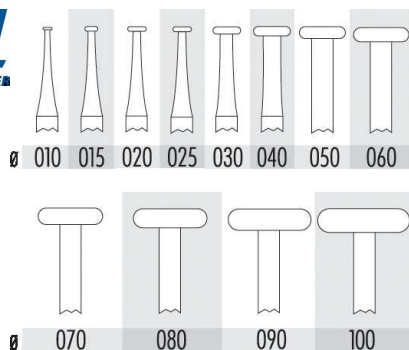
MSA	Tipo	Forma	Ø cabeza	Kg
22.117-010	R	Cilíndrica	1.00 mm	0.001
...
22.117-100	R	Cilíndrica	10.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.122-010	RR	Cilíndrica	1.00 mm	0.001
...	0.001
22.122-060	RR	Cilíndrica	6.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.119-008	S	Cilíndrica hueca	0.80 mm	0.001
...
22.119-100	S	Cilíndrica hueca	10.00 mm	0.001



MSA	Tipo	Forma	Ø cabeza	Kg
22.118-010	Y	Rueda biselada	1.00 mm	0.001
...	0.001
22.118-100	Y	Rueda biselada	10.00 mm	0.001

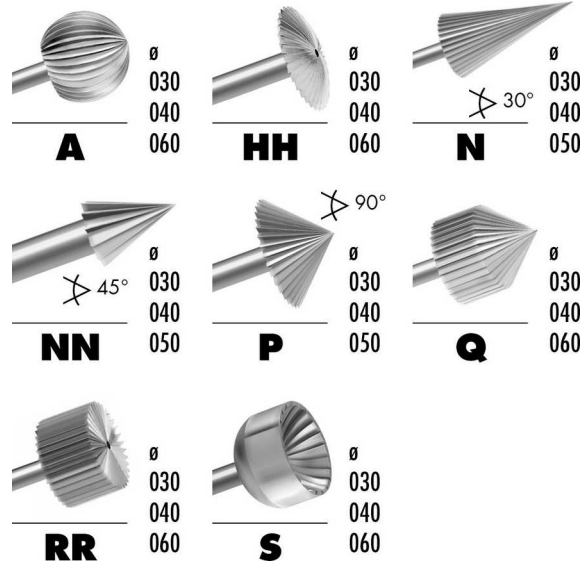


Surtidos de 24 fresas en acero para herramientas, entregados en 1 caja de plástico.



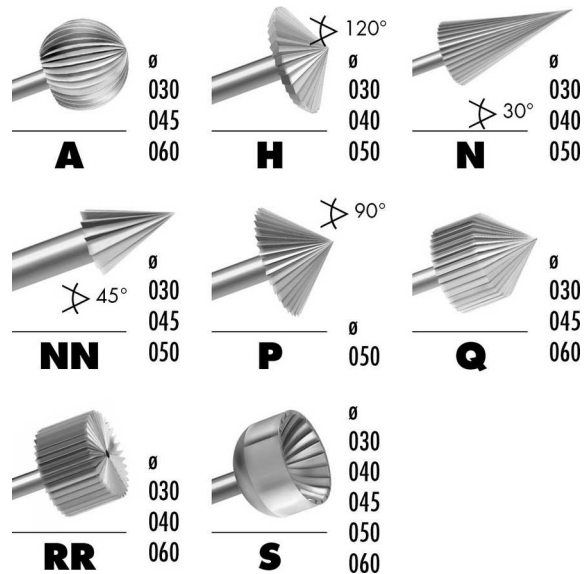
SURTIDO

MSA	Tipo	Ø tija	Kg
22.500	1235	2.35 mm	0.090



SURTIDO

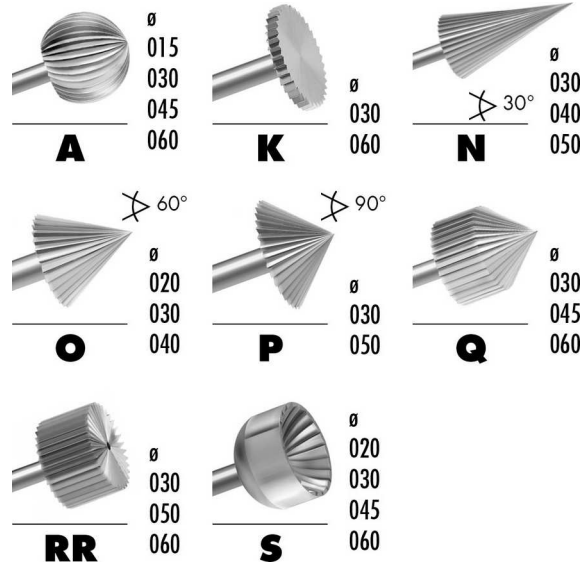
MSA	Tipo	Ø tija	Kg
22.510	3235	2.35 mm	0.090





SURTIDO

MSA	Tipo	Ø tija	Kg
22.515	4235	2.35 mm	0.090



SURTIDO

MSA	Tipo	Ø tija	Kg
22.520	8235	2.35 mm	0.090

