



Strumenti rotanti per neuro- chirurgia e otorinolaringoiatria *Instruments for E.N.T. and neurosurgery*

Strumenti rotanti di alta qualità per neurochirurgia e otorinolaringoiatria

Strumenti di qualità D+Z rappresentano una buona premessa per la riuscita di interventi professionali in ambiti otorinolaringoiatrici e neurochirurgici. Questi strumenti godono della fiducia di operatori di tutto il mondo.

La gamma di strumenti qui presentati comprende fresette, frese e molatrici con dentature, granulometrie, grandezze e tipologie di gambo di comprovata efficacia. È possibile scegliere tra strumenti diamantati, strumenti in carburo di tungsteno e strumenti in acciaio inossidabile. A seconda dell'utilizzo previsto siamo in grado di offrire strumenti per ambiti High Speed e Low Speed.

In fase di produzione siamo riusciti a migliorare i comuni standard di qualità. Grazie all'utilizzo di tecnologie di molatura è possibile realizzare strumenti D+Z in acciaio e diamantati in un unico pezzo. Grazie agli ottimali livelli di precisione è possibile garantire una lavorazione priva di vibrazioni e di massima stabilità. Anche per i nostri strumenti in carburo di tungsteno vengono utilizzati unicamente gambi in acciaio inossidabile e carburo di tungsteno a grana fine (HIP – hot isostatic pressed).

Riteniamo che la realizzazione di sviluppo e costruzione in-house rappresenti la condizione essenziale per la produzione di strumenti che rispondano ad elevatissimi standard per quanto attiene qualità e maneggevolezza. I nostri strumenti sono compatibili con i motori più usati nel mercato.

Per maggiori dettagli relativi al metodo di ricondizionamento validato applicabile alla nostra intera gamma, visiti il nostro sito web www.drendel.com.

Rotary high-quality instruments for E.N.T. and neurosurgery

D+Z quality instruments are the perfect professional choice for successful operations in ENT and neurosurgery. Surgeons all over the world rely on them.

Our product assortment includes burs, cutters and abrasives with high-end blade geometries, specific natural grit, and all commonly used sizes and shank types. You can choose among diamond, tungsten carbide and stainless steel instruments. Our range includes high speed and low speed tools to suit the respective power system.

We have exceeded conventional manufacturing standards. Thanks to the use of grinding technology, D+Z diamond and steel instruments can now be offered in a one-piece construction.

The meticulous precision of our instruments guarantees low vibration during use and extreme stability. Our tungsten carbide instruments are manufactured to the same high standards; only stainless steel shanks and fine grain HIP (hot isostatic pressed) tungsten carbide are used.

To us, the development and construction at our own premises is the essential condition for producing instruments whose supreme quality and manageability meet even the highest expectations. Our instruments are totally compatible with all commonly used power systems and can therefore be combined with them without problems.

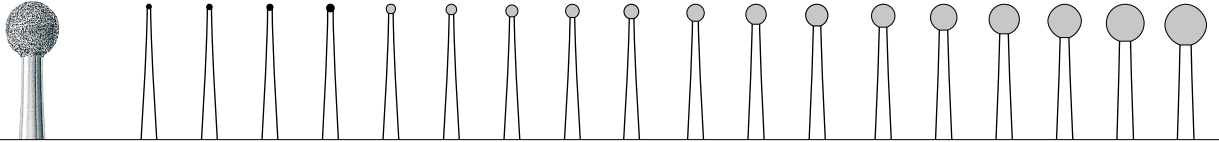
For information provided by the manufacturer on the validated reprocessing of our entire product range, please visit the D+Z website www.drendel.com





Strumenti Low Speed - Gambo Ø 2,35
Low speed instruments - Shank Ø 2,35

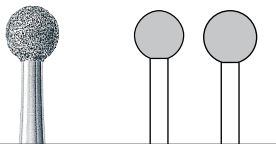
Diamantate Pallina
Diamond round



242

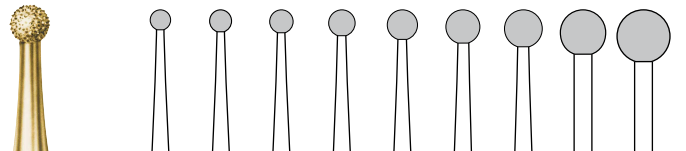
(Ø = mm)		0,6	0,7	0,8	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,5	2,7	3,1	3,5	4,0	4,5	5,0	6,0
REF	242 Gambo · Shank	Misura · Size																	
70 mm	... 106 ...	006	007	008	010	012	014	016	018	021	023	025	027	031	035	040	045	050	060
95 mm	... 107 ...	006	-	-	010	-	014	-	018	-	023	-	027	031	035	040	045	050	060
125 mm	... 108 ...	006	-	008	010	-	014	-	018	021	023	-	027	031	035	040	045	050	060

Diamantate supergrossa Pallina
Diamond super-coarse round



242

(Ø = mm)		6,5	7,0
REF	242 Gambo · Shank	Misura · Size	
70 mm	... 106 ...	065	070
95 mm	... 107 ...	-	070
125 mm	... 108 ...	-	070

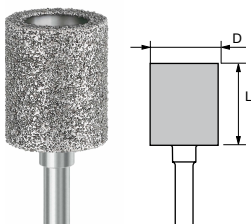


242 SC

(Ø = mm)		2,3	2,7	3,1	3,5	4,0	4,5	5,0	6,0	7,0
REF	242 SC Gambo · Shank	Misura · Size								
70 mm	... 106 ...	023	027	031	035	040	045	050	060	070
95 mm	... 107 ...	023	027	031	035	040	045	050	060	070
125 mm	... 108 ...	023	027	031	035	040	045	050	060	070

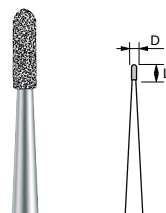
grano 427 µm · Grain 427 µm

Diamantate - Barile
Diamond - Barrel



829

Lmm	11,0
D (Ø = mm)	9,0
REF	829 Gambo · Shank Misura · Size
70 mm	... 106 ... 090



828

Lmm	2,0
D (Ø = mm)	0,6
REF	828 Gambo · Shank Misura · Size
70 mm	... 106 ... 006

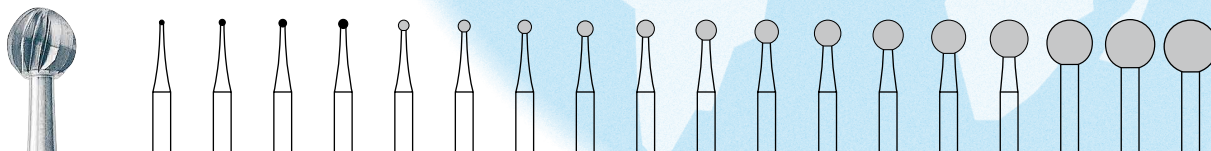
Tutti gli strumenti sono forniti non sterili.
All instruments are non-sterile.

= Articolo disponibile su richiesta · Article on request



Strumenti Low Speed - Gambo Ø 2,35
Low speed instruments - Shank Ø 2,35

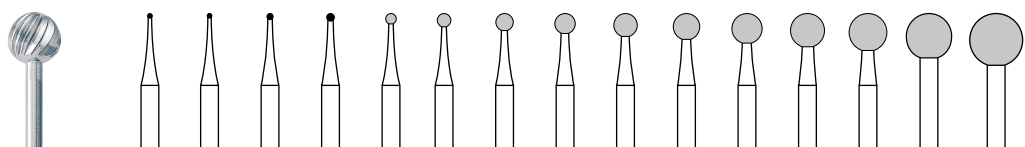
Carburo di tungsteno Pallina
Tungsten carbide round



HM 236

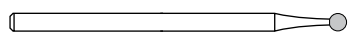
(Ø = mm)	0,5	0,8	1,0	1,2	1,4	1,6	1,8	2,1	2,3	2,7	3,1	3,5	4,0	4,5	5,0	6,0	6,5	7,0
REF HM 236 Gambo · Shank	Misura · Size																	
70 mm ... 106 ...	005	008	010	012	014	016	018	021	023	027	031	035	040	045	050	060	065	070
95 mm ... 107 ...	005	008	010	-	-	-	018	-	023	-	031	035	040	045	050	060	-	070
125 mm ... 108 ...	-	-	-	-	-	-	-	-	023	-	031	-	040	-	050	060	-	070

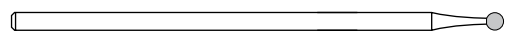
Acciaio inossidabile Pallina
Stainless steel round

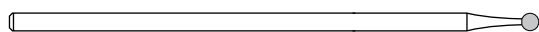


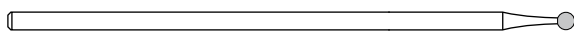
RF 236

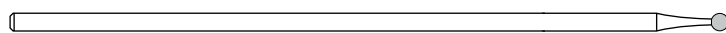
(Ø = mm)	0,6	0,7	0,8	1,0	1,4	1,8	2,3	2,7	3,1	3,5	4,0	4,5	5,0	6,0	7,0
REF RF 236 Gambo · Shank	Misura · Size														
70 mm ... 106 ...	006	007	008	010	014	018	023	027	031	035	040	045	050	060	070
95 mm ... 107 ...	006	-	008	010	014	018	023	027	031	035	040	045	050	060	070
125 mm ... 108 ...	006	-	008	010	014	018	023	027	031	035	040	045	050	060	070

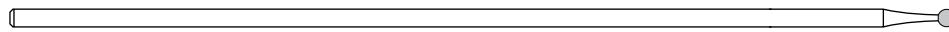
 **104** · 44,5 mm Lunghezza · Length

 **105** · 65 mm Lunghezza · Length

 **106** · 70 mm Lunghezza · Length

 **036** · 75 mm Lunghezza · Length

 **107** · 95 mm Lunghezza · Length

 **108** · 125 mm Lunghezza · Length

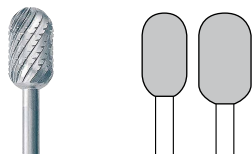
Tutti gli strumenti sono forniti non sterili.
All instruments are non-sterile.

 = Articolo disponibile su richiesta · Article on request



Strumenti Low Speed - Gambo Ø 2,35
Low speed instruments - Shank Ø 2,35

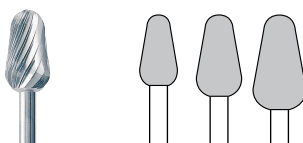
Acciaio inossidabile Cilindrico
Stainless steel cylinder



RF 72 E

(Ø = mm)		6,0	7,0
REF	Gambo · Shank	Misura · Size	
70 mm	... 106 ...	060	070

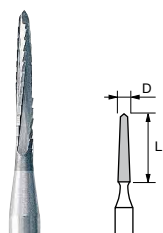
Acciaio inossidabile Bocciolo
Stainless steel bud



RF 351

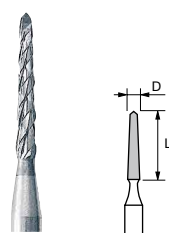
(Ø = mm)		5,0	6,0	7,0
REF	Gambo · Shank	Misura · Size		
70 mm	... 106 ...	050	060	070

Carburo di tungsteno - Lindemann
Tungsten carbide - Lindemann



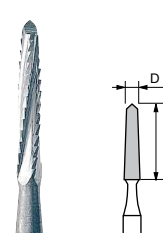
HM 162

L mm		9,0
D (Ø = mm)		1,6
REF	Gambo · Shank	Misura · Size
65 mm	... 105 ...	016
70 mm	... 106 ...	016



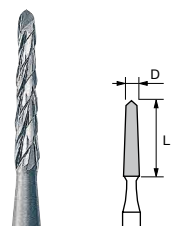
HM 162A

L mm		9,0
D (Ø = mm)		1,6
REF	Gambo · Shank	Misura · Size
65 mm	... 105 ...	016
70 mm	... 106 ...	016



HM 166

L mm		10,0
D (Ø = mm)		2,1
REF	Gambo · Shank	Misura · Size
65 mm	... 105 ...	021
70 mm	... 106 ...	021



HM 166A

L mm		10,0
D (Ø = mm)		2,1
REF	Gambo · Shank	Misura · Size
70 mm	... 106 ...	021

Tutti gli strumenti sono forniti non sterili.
All instruments are non-sterile.

■ = Articolo disponibile su richiesta · Article on request



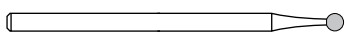
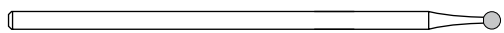
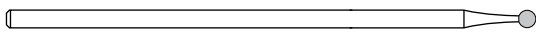
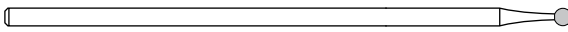
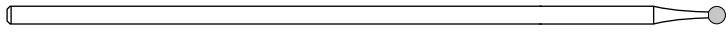
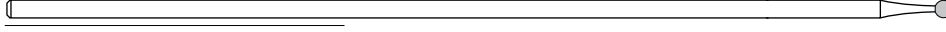
Strumenti Low Speed - Gambo Ø 2,35
Low speed instruments - Shank Ø 2,35

Acciaio inossidabile - Lindemann
Stainless steel - Lindemann

REF	RF 163	Gambo · Shank	Misura · Size
	70 mm	... 106 ...	014

REF	RF 168	Gambo · Shank	Misura · Size
	44,5 mm	... 104 ...	023
	70 mm	... 106 ...	023

REF	RF 169	Gambo · Shank	Misura · Size
	44,5 mm	... 104 ...	023
	75 mm	... 036 ...	023

-  **104** · 44,5 mm Lunghezza · Length
-  **105** · 65 mm Lunghezza · Length
-  **106** · 70 mm Lunghezza · Length
-  **036** · 75 mm Lunghezza · Length
-  **107** · 95 mm Lunghezza · Length
-  **108** · 125 mm Lunghezza · Length

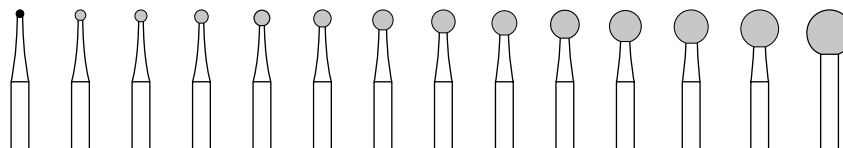
Tutti gli strumenti sono forniti non sterili.
All instruments are non-sterile.

 = Articolo disponibile su richiesta · Article on request



Strumenti High Speed - Gambo Ø 3,16
HighSpeed instruments - Shank Ø 3,16

Diamantate pallina
Diamond round

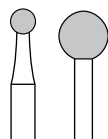


HS242

(Ø = mm)

REF	HS 242	Gambo - Shank	Misura - Size														
	70 mm ... 511 ...		010	-	015	-	021	-	-	-	033	-	-	046	-	060	▲
	90 mm ... 512 ...		010	-	015	-	021	-	-	-	033	038	-	046	-	060	I
	110 mm ... 513 ...		010	-	015	-	021	-	-	-	033	-	-	046	-	060	II
	152 mm ... 514 ...		-	-	-	-	021	-	-	-	033	-	-	046	-	060	III
	76 - 80 mm ... 526 ...		010	014	-	018	-	023	027	031	-	-	040	-	050	060	I
	106 - 110 mm ... 525 ...		010	014	-	018	-	023	027	031	-	-	040	-	050	060	II
	136 - 140 mm ... 527 ...		-	-	-	018	-	023	027	031	-	-	040	-	050	060	III

Diamantate supergrossa Pallina
Diamond round super-coarse

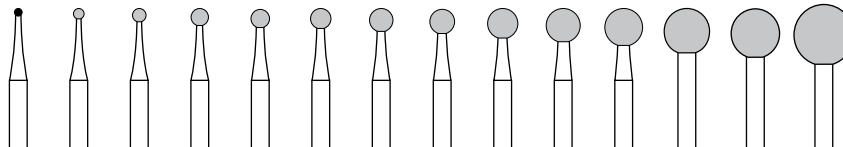


HS242 SC

(Ø = mm)

REF	HS242 SC	Gambo - Shank	Misura - Size		
	76 - 80 mm ... 526 ...		040	060	I
	106 - 110 mm ... 525 ...		040	060	II
	136 - 140 mm ... 527 ...		040	060	III

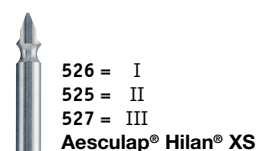
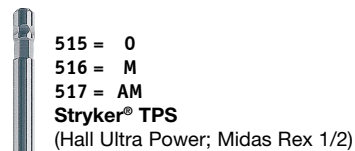
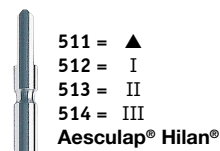
Acciaio inossidabile Pallina
Stainless steel round



HSS236

(Ø = mm)
 # Taglienti/Blades

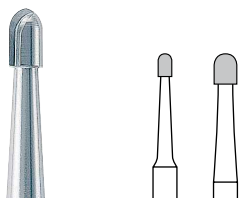
REF	HSS 236	Gambo - Shank	Misura - Size														
	70 mm ... 511 ...		010	014	-	-	024	-	-	032	-	048	-	-	064	079	▲
	90 mm ... 512 ...		010	014	-	-	024	-	-	032	-	048	-	-	064	079	I
	110 mm ... 513 ...		010	014	-	-	024	-	-	032	-	048	-	-	064	079	II
	152 mm ... 514 ...		-	-	-	-	024	-	-	032	-	048	-	-	064	079	III
	76 - 80 mm ... 526 ...		010	014	018	023	-	027	031	-	040	-	050	060	-	-	I
	106 - 110 mm ... 525 ...		010	014	018	023	-	027	031	-	040	-	050	060	-	-	II
	136 - 140 mm ... 527 ...		-	-	018	023	-	027	031	-	040	-	050	060	-	-	III





Strumenti High Speed - Gambo Ø 3,16 HighSpeed instruments - Shank Ø 3,16

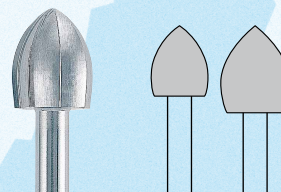
Acciaio inossidabile Fresa oliva Stainless steel cutter egg



HSS04

(Ø = mm)		1,8	3,0	
[REF]	HSS04	Gambo · Shank	Misura · Size	
90 – 92 mm	... 512 ...	018	030	I
110 – 112 mm	... 513 ...	018	030	II
154 mm	... 514 ...	-	030	III
84 – 86 mm	... 516 ...	018	030	M
137 – 139 mm	... 517 ...	018	030	AM

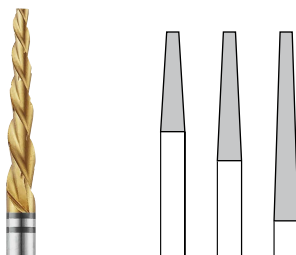
Acciaio inossidabile bocciolo Stainless steel bud



HSS237 AC

(Ø = mm)		7,5	9,0	
[REF]	HSS237 AC	Gambo · Shank	Misura · Size	
70 mm	... 511 ...	075	090	▲
90 mm	... 512 ...	075	090	I
110 mm	... 513 ...	075	090	II
73 – 75 mm	... 515 ...	075	090	O
90 – 92 mm	... 516 ...	075	090	M

Acciaio inossidabile Craniotomo Stainless steel Craniotomes



HSST21C

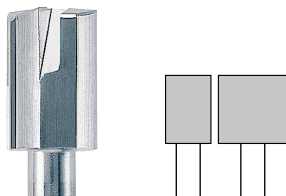
(Ø = mm)		1,2	1,4	1,4	
# Taglienti/Blades		3	3	3	
(Lunghezza della testa/Headlength = mm)		11,0	16,2	20,6	
[REF]	HSST 21C	Gambo · Shank	Misura · Size		
46,4 mm	... 526 ...	012	-	-	I
51,4 mm	... 525 ...	-	014	-	II
56,4 mm	... 527 ...	-	-	014	III

HSS21C

(Ø = mm)		1,6	1,6	1,6	
# Taglienti/Blades		3	3	3	
(Lunghezza della testa/Headlength = mm)		13,0	20,5	25,0	
[REF]	HSS 21C	Gambo · Shank	Misura · Size		
63 mm*	... 512 ...	016	-	-	I
67 mm*	... 513 ...	-	016	-	II
77 mm*	... 514 ...	-	-	016	III

* = per Protettore dura madre Aesculap/for Aesculap Duraguard GB536R, GB537R, GB538R

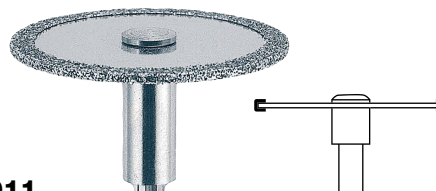
Acciaio inossidabile Barile Stainless steel Circular



HSS24

(Ø = mm)		6,0	9,1	
[REF]	HSS24	Gambo · Shank	Misura · Size	
70 mm	... 511 ...	060	091	▲
90 mm	... 512 ...	060	091	II
110 mm	... 513 ...	-	091	III
72 mm	... 515 ...	060	-	O
89 mm	... 516 ...	060	-	M
142 mm	... 517 ...	060	-	AM

Disco diamantato Diamond disc



HS911

(Ø = mm)		25,5	
[REF]	HS911	Gambo · Shank	Misura · Size
94 mm	... 512 ...	255	I
113 mm	... 513 ...	255	II
88 mm	... 516 ...	255	M
141 mm	... 517 ...	255	AM

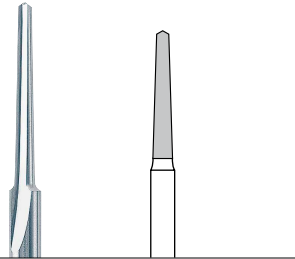
■ = Articolo disponibile su richiesta · Article on request

Tutti gli strumenti sono forniti non sterili.
Su richiesta, gli strumenti High Speed possono essere forniti sterili.
All instruments are non-sterile.
High Speed instruments can be delivered in sterile condition on request.



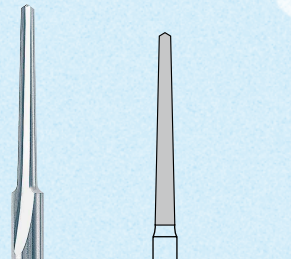
Strumenti High Speed - Gambo Ø 3,16 HighSpeed instruments - Shank Ø 3,16

Acciaio inossidabile Lindemann Stainless steel Lindemann



HSS 164

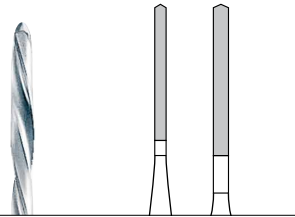
(Ø = mm)		1,6	
REF	HSS 164	Gambo · Shank	Misura · Size
	80 – 87 mm	... 511 ...	016 ▲
	100 – 107 mm	... 512 ...	016 I
	120 – 127 mm	... 513 ...	016 II
	77 – 84 mm	... 515 ...	016 0
	94 – 101 mm	... 516 ...	016 M



HSS 165

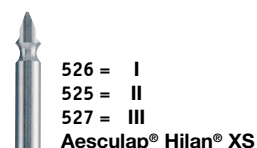
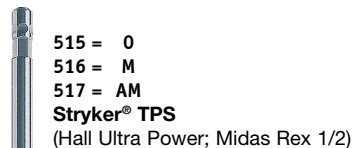
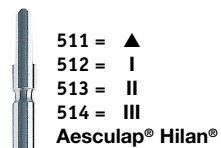
(Ø = mm)		1,5	
REF	HSS 165	Gambo · Shank	Misura · Size
	80 – 87 mm	... 511 ...	015 ▲
	100 – 107 mm	... 512 ...	015 I
	120 – 127 mm	... 513 ...	015 II
	77 – 84 mm	... 515 ...	015 0

Acciaio inossidabile fresa spirale Stainless steel twist drill



HSS 27

(Ø = mm)		1,5		2,0	
REF	HSS 27	Gambo · Shank	Misura · Size		
	88 – 86 mm	... 511 ...	015	020	▲
	103 – 106 mm	... 512 ...	015	020	I
	123 – 126 mm	... 513 ...	015	020	II
	80 – 83 mm	... 515 ...	015	020	0
	97 – 100 mm	... 516 ...	015	020	M
	150 – 153 mm	... 517 ...	015	-	AM
	122,7 mm	... 526 ...	015	-	I
	92,7 mm	... 525 ...	015	-	II



Tutti gli strumenti sono forniti non sterili.

Su richiesta, gli strumenti High Speed possono essere forniti sterili.
All instruments are non-sterile.

High Speed instruments can be delivered in sterile condition on request.

■ = Articolo disponibile su richiesta · Article on request

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