

iSpine

HighSurg Neuro Drill



HighSurg 30

High speed Neurosurgical Motor System





Intuitive

Versatile

Reliable

Nouvag AG has been successfully developing and manufacturing world leading high-tech instruments for more than 50 years. Their high efficiency and reliability have made these instruments to be worldwide highly recommended by surgeons.

The latest breakthrough of Nouvag AG is the new generation of the surgical motor system HighSurg 30. This motor system is primarily used in Neurosurgery with its time saving, efficient Dual Motor Principal. Connect two Micro Motors and attach the desired handpiece for convenient work!

Cranial Perforator handpiece

1200 rpm

The cranial perforator of Nouvag AG is one of perforators with the highest torque on the market. The solid appearance with its stable mechanics reflects reliability and longevity, Made in Switzerland.

Designed for single use, the NouvaCut single use perforators attachments provide increased safety and eliminate the costs of cleaning and reprocessing, as well as resharpening. NouvaCut single use perforator attachments with automatic locking system are available in 4 diameters and with 2 different drilling depths, each of a 1 mm (pediatric) and a 3 mm (adult).



Cranial-Perforator handpiece, REF: 1924nou

Single use perforators

REF	inner/outer Ø	Skull bone thickness	Adults	Child	Color
1978	6 mm / 9 mm	1 mm		•	gray
1920	6 mm / 9 mm	3 mm	•		gray
1977	7 mm / 11 mm	1 mm		•	purple
1976	7 mm / 11 mm	3 mm	•		purple
1979	9 mm / 13 mm	1 mm		•	blue
1921	9 mm / 13 mm	3 mm	•		blue
1980	11 mm / 14 mm	1 mm		•	orange
1922	11 mm / 14 mm	3 mm	•		orange

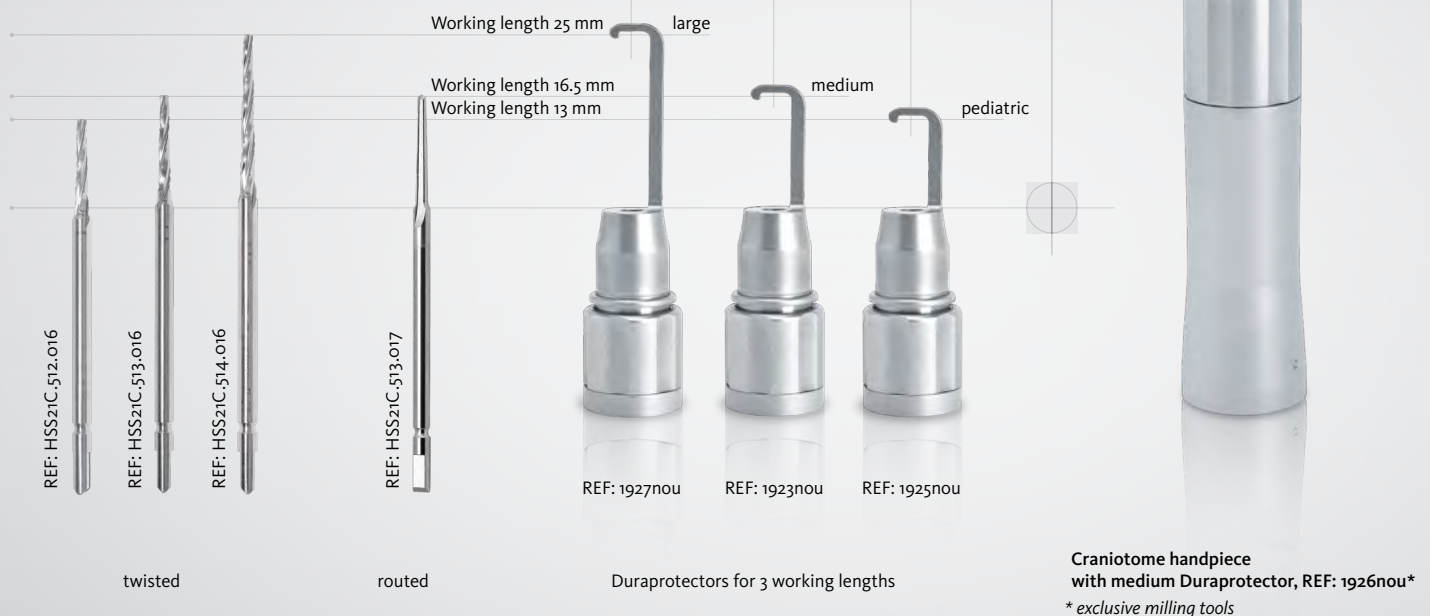
Craniotome handpiece

60 000 rpm

After the cranial perforation with the Cranial Perforator, the Craniotome is used. With the clamped milling tool in the Craniotome the burr holes can be connected and the bone plate can be lifted, exposing the Dura for the intended intervention.

The cranial drilling and milling tools are available in 3 sizes and two versions. The Craniotome with attached Duraprotector prevents damage to the dural layer and other parts of the brain during the milling process.

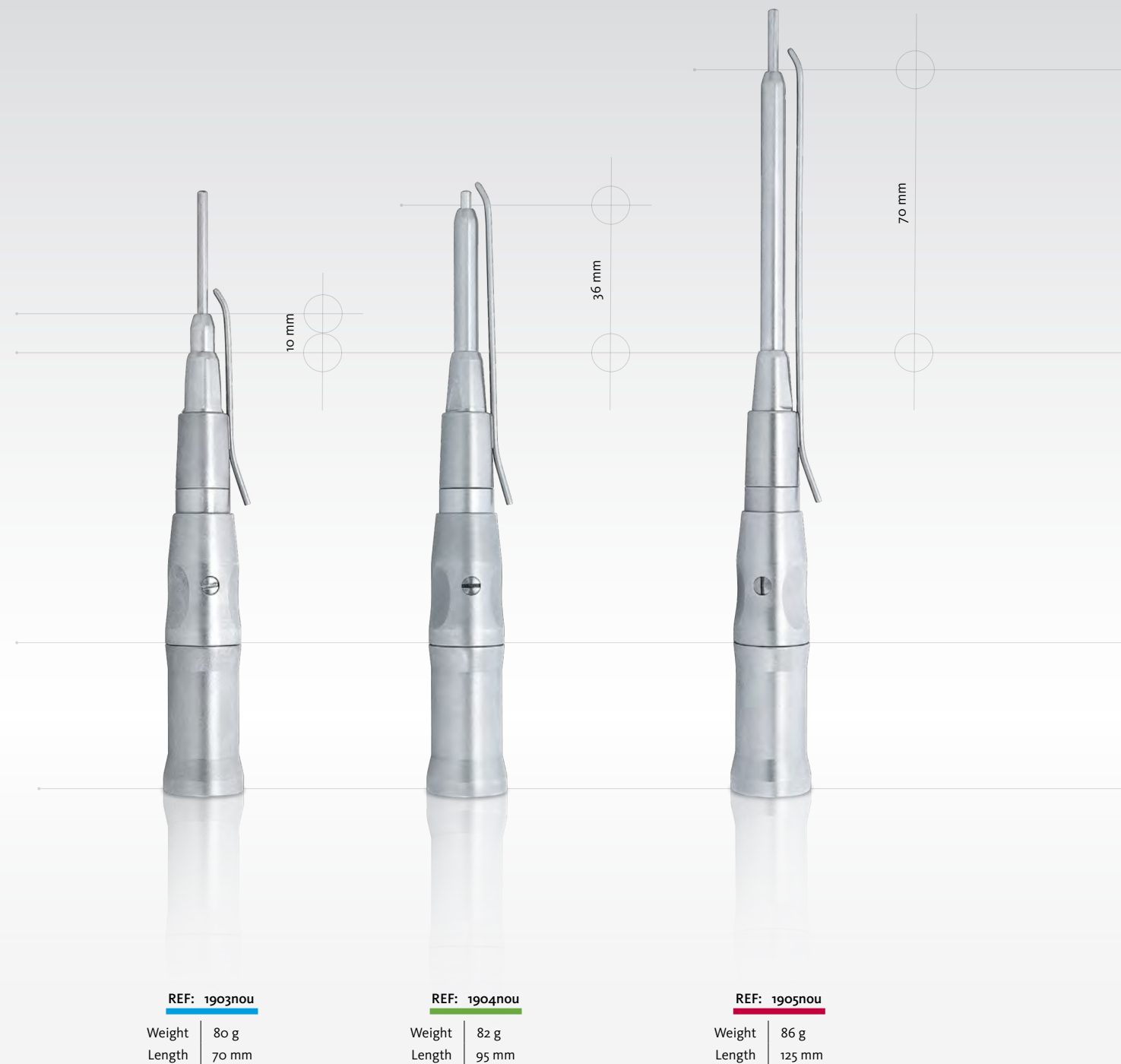
The high-tech Craniotome of Nouvag AG was developed with the highest safety standards and best functionality in mind.



Surgical high speed handpieces

80 000 rpm

The slim high speed handpieces are available in various lengths in straight and angled versions. The quick coupling handpieces are perfectly balanced with low vibration for a fatigue free working in various types of operations.





REF: 1908nou

Weight	114 g
Length	125 mm

REF: 1907nou

Weight	110 g
Length	95 mm

REF: 1906nou

Weight	108 g
Length	70 mm

High speed drills for high speed handpieces

	Head Ø, mm	Number of flutes	Shank length 70 mm REF burr:	Shank length 95 mm REF burr:	Shank length 125 mm REF burr:
Rose burr, Steel	0.8	6	HSS236.561.008	•	•
	1.0	12	HSS236.561.010	•	•
	1.4	8	HSS236.561.014	HSS236.562.014	HSS236.563.014
	1.8	8	HSS236.561.018	HSS236.562.018	HSS236.563.018
	2.3	8	HSS236.561.023	HSS236.562.023	HSS236.563.023
	2.7	10	HSS236.561.027	•	•
	3.1	10	HSS236.561.031	HSS236.562.031	HSS236.563.031
	4.0	12	HSS236.561.040	HSS236.562.040	HSS236.563.040
	5.0	12	HSS236.561.050	HSS236.562.050	HSS236.563.050
	6.0	14	HSS236.561.060	HSS236.562.060	HSS236.563.060
Rose burr, Carbide	0.5	6	HSM236.561.005	•	•
	0.8	6	HSM236.561.008	•	•
	1.0	6	HSM236.561.010	•	•
	1.4	6	HSM236.561.014	•	•
	1.8	6	HSM236.561.018	•	•
	2.3	6	HSM236.561.023	•	•
	2.7	8	HSM236.561.027	•	•
	3.1	8	HSM236.561.031	•	•
	3.5	8	HSM236.561.035	•	•
	4.0	10	HSM236.561.040	HSM236.562.040	HSM236.563.040
	5.0	12	HSM236.561.050	HSM236.562.050	HSM236.563.050
	6.0	14	HSM236.561.060	•	•
	7.0	16	HSM236.561.070	•	•

High speed Diamond Burr

	Head Ø, mm	Shank length 70 mm REF burr:	Shank length 95 mm REF burr:	Shank length 125 mm REF burr:
Diamond ball burr	0.6	HS242.561.006	•	•
	0.8	HS242.561.008	•	•
	1.0	HS242.561.010	HS242.562.010	•
	1.4	HS242.561.014	HS242.562.014	•
	1.8	HS242.561.018	•	•
	2.3	HS242.561.023	HS242.562.023	HS242.563.023
	2.7	HS242.561.027	•	•
	3.1	HS242.561.031	•	HS242.563.031
	3.5	HS242.561.035	HS242.562.035	•
	4.0	HS242.561.040	HS242.562.040	HS242.563.040
	4.5	HS242.561.045	•	HS242.563.045
	5.0	HS242.561.050	HS242.562.050	HS242.563.050
	6.0	HS242.561.060	HS242.562.060	HS242.563.060
	7.0	HS242.561.070	•	•
Diamond ball burr, coarse	2.3	HS242C.561.023	HS242C.562.023	HS242C.563.023
	3.1	HS242C.561.031	HS242C.562.031	HS242C.563.031
	4.0	HS242C.561.040	HS242C.562.040	HS242C.563.040
	5.0	HS242C.561.050	HS242C.562.050	HS242C.563.050
	6.0	HS242C.561.060	HS242C.562.060	HS242C.563.060
Diamond ball burr, extra coarse	3.0	•	HS242EC.562.030	HS242EC.563.030
	4.0	•	HS242EC.562.040	HS242EC.563.040

		Head Ø, mm	Shank length 70 mm REF burr:	Shank length 95 mm REF burr:	Shank length 125 mm REF burr:
Diamond ball burr, mega coarse		3.0	HS242EC.561.030	•	•
		4.0	HS242EC.561.040	•	•
Diamond egg burr,		•	•	•	•
		4.0	HS379.561.040	•	•

Diverse forms

		Head Ø, mm	Number of flutes	Working length, mm	Shank length 70 mm REF burr:	Shank length 95 mm REF burr:	Shank length 125 mm REF burr:
Cylinder burr with cross-train Carbide		4.0	10	9.0	HSS72E.561.040	•	HSS72E.563.040
		5.0	12	10.0	HSS72E.561.050	•	•
Bud burr with cross-train Carbide		4.0	10	8.0	HSS351E.561.040	•	•
		5.0	12	9.5	HSS351E.561.050	•	•
Egg burr Carbide		4.0	10	9.5	•	HSS9.562.040	HSS9.563.040
		6.0	14	9.5	•	•	HSS9.563.060
Pear burr Carbide		6.0	14	10.0	•	HSS12.562.060	HSS12.563.060
		•	•	•	•	•	•
Acorn burr (Spine surgery) Carbide		7.5	8	9.3	•	HSS10.562.075	HSS10.563.075
		•	•	•	•	•	•
Neuro burr (Spine surgery) Carbide		1.8	2	3.0	•	•	HSS4.563.018
		3.0	2	4.00	•	•	HSS4.563.030
Wire pass drill Carbide		1.0	•	10.0	•	HSS17.562.010	HSS17.563.010
		1.2	•	10.0	•	HSS17.562.012	HSS17.563.012
		1.5	•	6.6	•	•	HSS17.563.015
Spiral drill, Carbide		1.5	•	20.0	•	HSS27.562.015	•
		2.0	•	20.0	HSS27.561.020	HSS27.562.020	•

80 000 rpm

STERILE

Electronic motor 21

80 000 rpm

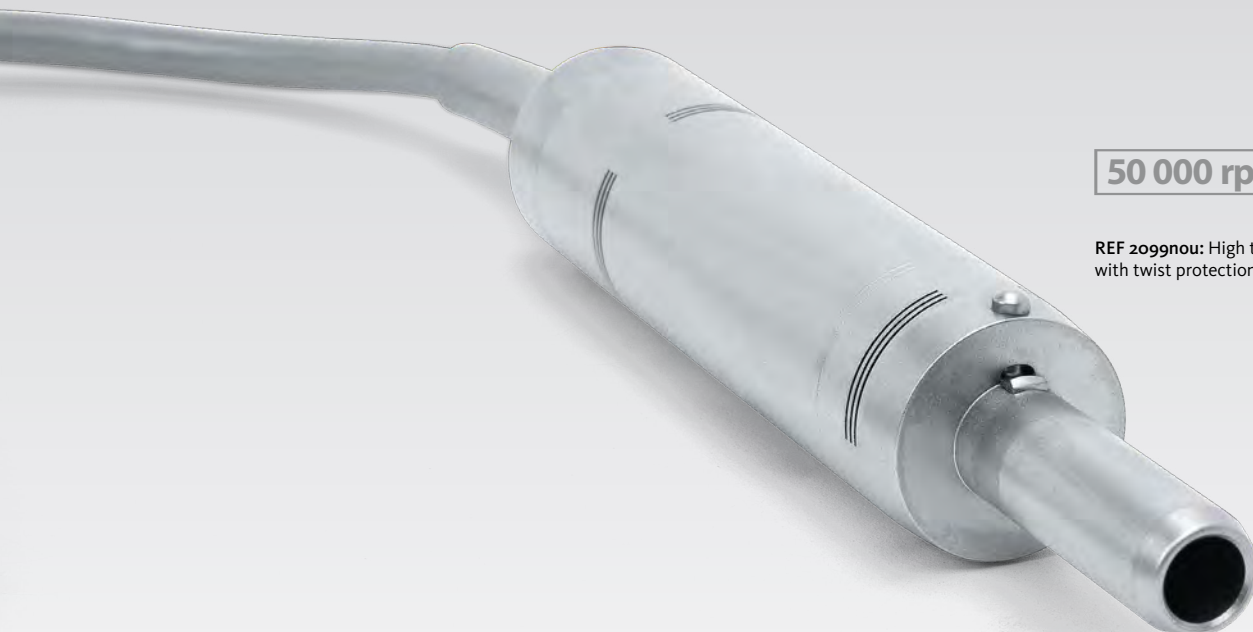
REF 2098nou: Electronic motor 21 with twist protection lock, good for up to 80 000 rpm



Durable and high powered micro motor with constant performance and comfortable use due to its directional self-ventilation. Integrated electrical torque control for speed stabilization or increment during demanding tasks.

50 000 rpm

REF 2099nou: High torque Electronic motor 21 with twist protection lock, up to 50 000 rpm



Accessories



REF 1029: Transport case with foam insert for transporting and storing the HighSurg 30 and its accessories



REF 1898: Vexio Cart, Modern trolley with two shelves and lockable anti-static rollers and integrated cable channel to the power supply with 3 power sockets. (REF 1894: Bottle holder is optional)



REF 4132: Sterilization Basket with fixation for the sterilization of Craniotomes, Cranial Perforators, high speed handpieces and Electronic Motors (without content)

REF 4134: Optional lid for Sterilization Basket

Further accessories	REF
Tubing set for HighSurg 30	6024
NouvaClean, cleaning spray	2127
NouvaOil, lubricant spray	2128



distributed by

iSpine

Technical data

HIGH SURG 30 high speed: REF 3365

Voltage	variable: 100 V~/ 115 V~/ 230 V~, 50–60 Hz
Power consumption	120 VA
Applied parts	Type BF
Max. torque	6 Ncm
Dimensions (W x D x H)	260 x 250 x 110 mm
Weight	3.7 kg
Pedal IP code	IPX8

Cranial Perforator: REF 1924

Speed range	80 – 1200 rpm
Max. torque	210 Ncm
Coupling motor side	ISO 3964
Coupling to instrument	Hudson

Craniotome: REF 1926nou

Speed range	1000 – 60 000 rpm
Coupling motor side	ISO 3964

Electronic motor 21: REF 2098nou

Max. speed	80 000 rpm
Max. torque	3 Ncm
Coupling	ISO 3964
Weight	280 g, without cable
Cable length	3 m

Electronic motor 21: REF 2099nou

Max. Speed	50 000 rpm
Max. Torque	6 Ncm
Coupling	ISO 3964
Weight	280 g, without cable
Cable length	3 m

Surgical high speed handpieces: REF 1903nou - 1908nou

Transmission	1 : 1
Max. speed	80 000 rpm
Coupling motor side	ISO 3964

Leaflet may represent products that are not available in all markets.



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