

DESCALING NOZZLE MODEL DNEX

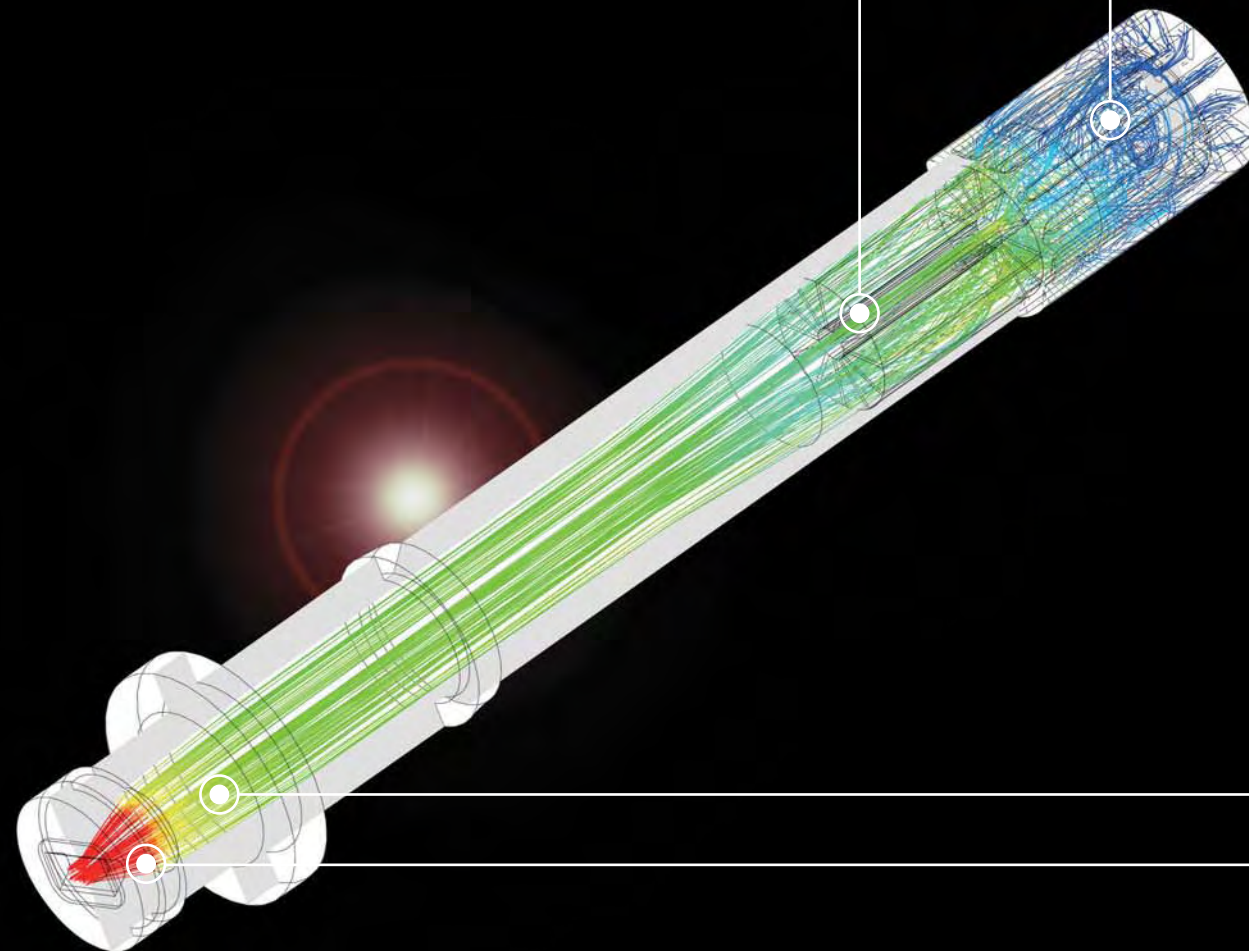


Exceed your expectations

EVERLOY pioneered descaling nozzles that just got even better. As an industry trendsetter, EVERLOY just raised the standard again by introducing the DNEX descaling nozzle technology.

The DNEX technology follows in the footsteps of the DNX descaling nozzle that was introduced in 2006 and developed a strong acceptance by steelmakers around the world. The new DNEX is the result of higher expectations from the worlds leading steelmakers that will enable them to meet the new grades of alloys and steels.

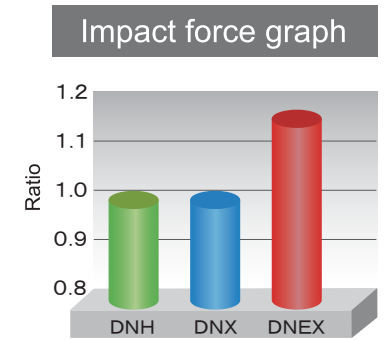
With energy costs rising, demand for difficult grades coming on strong, and an increased need for environmentally friendly systems, EVERLOY's DNEX technology will meet and *exceed your expectations*.



• Increased Internal Flow Path for efficient water flow

By increasing the volume of the area after the filter slots, the new design dramatically reduces pressure loss resulting in a more effective water flow.

The benefit to you : *better descaling and surface penetration.*

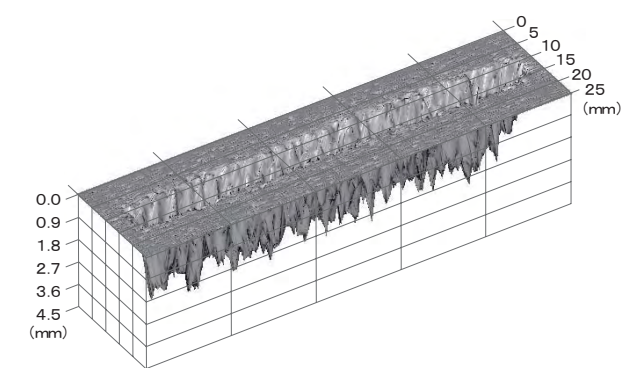


• Significantly Advanced Straightener

A newly designed straightener creates an efficient laminar flow, contributing to higher impact forces and drastically deeper erosion rates.

The benefit to you : *lower energy consumption.*

Erosion footprint in 3D



• Optimized Internal Flow Path

The length of the wider internal flow path was extended while maintaining its structural strength. This new design boosts the effective water flow and reduces pressure loss.

The benefit to you : *less overlap requirement.*

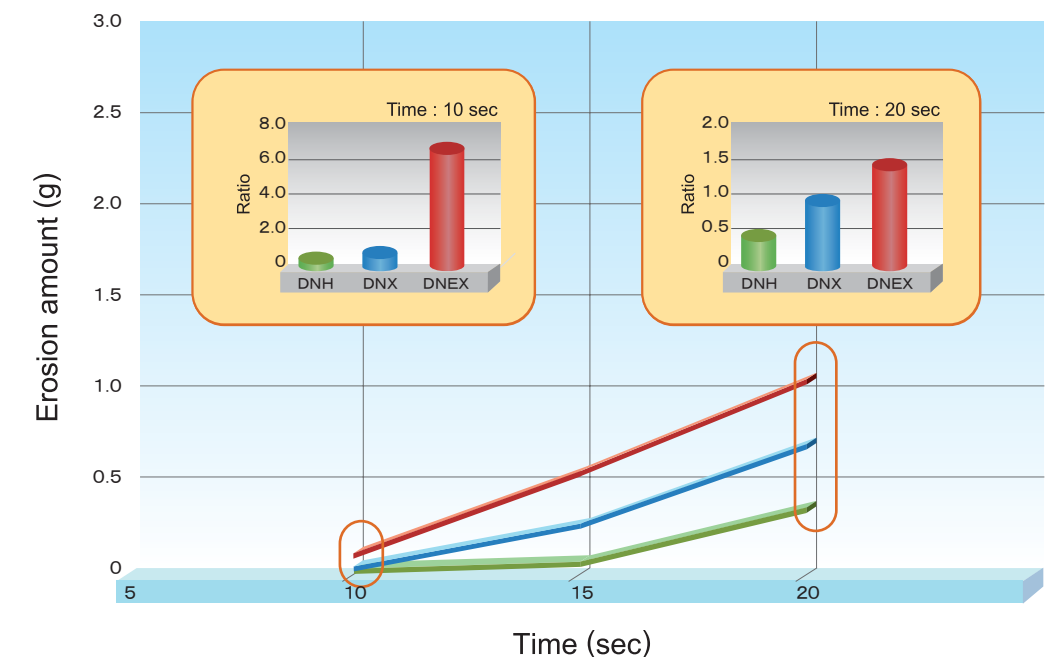
• EVERLOY Brand Tungsten Carbide Tip

As a leading manufacturer of tungsten carbide, EVERLOY over the past 70 years has developed proprietary technology that is applied to extend the life and performance of tungsten carbide tips.

EVERLOY offers the best tips and grades of tungsten carbide. With in-house manufacturing capabilities, production and quality control is tightly controlled and flexible enough to make fast deliveries feasible.

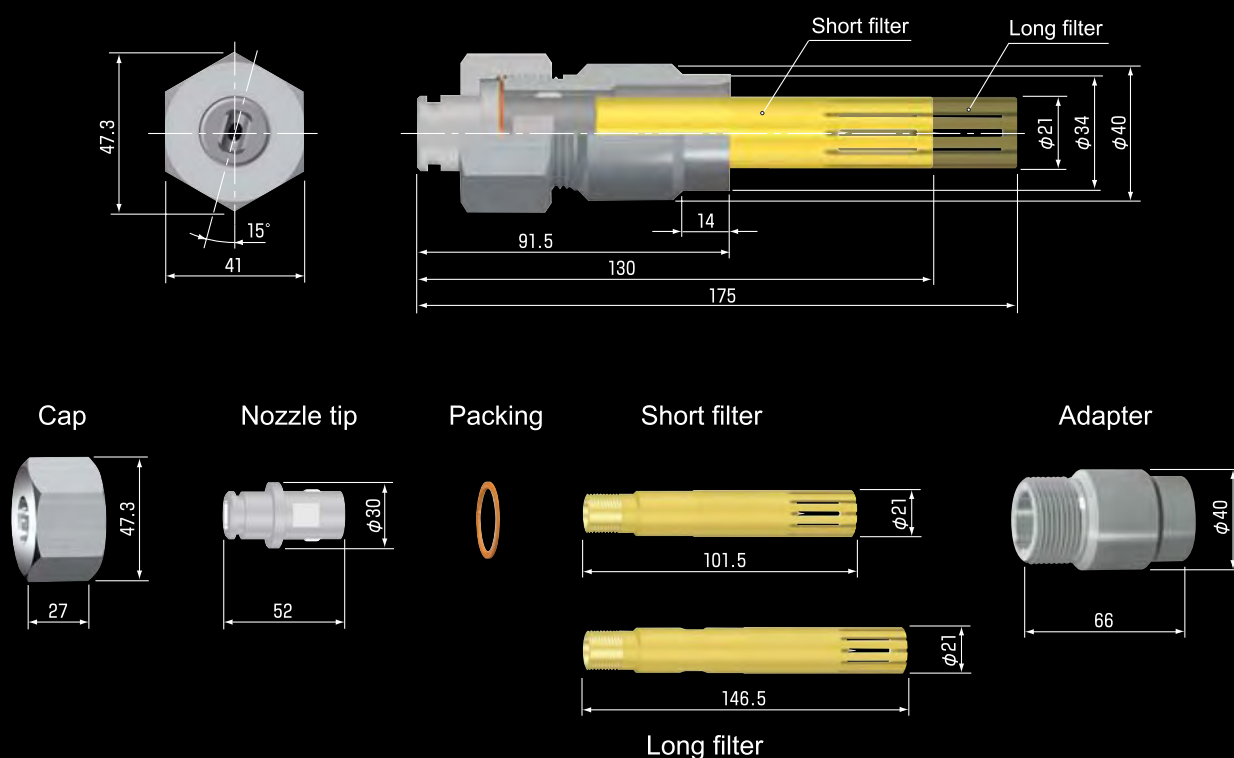
EVERLOY offers spray nozzle flow rates and spray angles with single digit increments for precise applications and superior performance while reducing energy cost.

Erosion test comparison



* A ratio is based on the DNX model.

Shapes & Dimensions



Parts List

Parts	Parts number	Material	Weight (g)
Nozzle tip	DNEX●●●●●	Tungsten carbide + SUS303	100
Short filter	01F13	Brass + SUS303	170
Long filter	01F14	Brass + SUS303	215
Cap	01C13	SUS303	150
Packing	01P00	Copper	4
Adapter	01A00	SUS304	255

Ordering tips

*1 Please select a tip model number from the model number list.

DNEX ●●●●●
Model number

*2 SUS403 and SUS316 materials are available for an adapter.

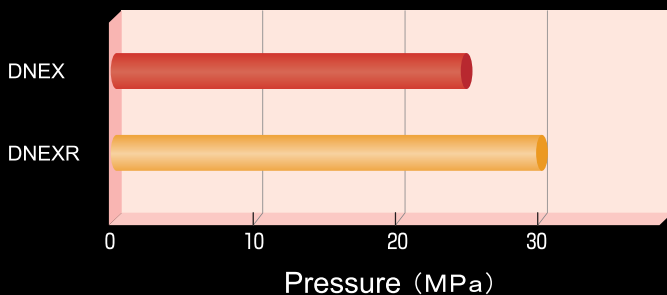
Exclusive & interchangeable parts

Parts	DNEX	DNX	DNH
Nozzle tip	DNEX exclusive	DNX exclusive	DNH exclusive
Filter	DNEX exclusive	DNX exclusive	DNH exclusive
Cap	DNEX exclusive	Interchangeable	
Packing	Interchangeable		
Adapter	Interchangeable		

Nozzle model number list

Type		Model number	Minimum orifice diameter (mm)	Flow rate (L/min) at following pressure (MPa)					Spray angle at following pressure (MPa)
DNEX	DNEXR			1	10	15	20	30	
●	●	0425	1.7	7.6	24.0	29.4	33.9	41.6	27
●	●	0432	1.6	7.6	24.0	29.4	33.9	41.6	35
●	●	0440	1.5	7.6	24.0	29.4	33.9	41.6	43
●	●	0525	1.9	9.5	30.0	36.8	42.4	52.0	27
●	●	0532	1.8	9.5	30.0	36.8	42.4	52.0	35
●	●	0540	1.7	9.5	30.0	36.8	42.4	52.0	43
●	●	0625	2.1	11.4	36.0	44.1	50.9	62.4	27
●	●	0632	2.0	11.4	36.0	44.1	50.9	62.4	35
●	●	0640	1.9	11.4	36.0	44.1	50.9	62.4	43
●	●	0725	2.3	13.3	42.0	51.4	59.4	72.7	27
●	●	0732	2.2	13.3	42.0	51.4	59.4	72.7	35
●	●	0740	2.1	13.3	42.0	51.4	59.4	72.7	43
●	●	0825	2.5	14.3	45.3	55.5	64.1	78.5	27
●	●	0832	2.3	14.3	45.3	55.5	64.1	78.5	35
●	●	0840	2.2	14.3	45.3	55.5	64.1	78.5	43
●	●	0925	2.6	17.1	54.0	66.1	76.4	93.5	27
●	●	0932	2.5	17.1	54.0	66.1	76.4	93.5	35
●	●	0940	2.4	17.1	54.0	66.1	76.4	93.5	43
●	●	1125	3.1	21.4	67.7	83.0	95.7	117	27
●	●	1132	2.8	21.4	67.7	83.0	95.7	117	35
●	●	1140	2.7	21.4	67.7	83.0	95.7	117	43
●	●	1325	3.2	24.5	77.5	95.0	110	134	27
●	●	1332	3.1	24.5	77.5	95.0	110	134	35
●	●	1340	2.9	24.5	77.5	95.0	110	134	43
●	●	1525	3.5	28.6	90.5	111	128	157	27
●	●	1532	3.3	28.6	90.5	111	128	157	35
●	●	1540	3.2	28.6	90.5	111	128	157	43
●	●	1825	3.8	34.2	108	132	153	187	27
●	●	1832	3.6	34.2	108	132	153	187	35
●	●	1840	3.4	34.2	108	132	153	187	43
●	●	1925	3.9	35.7	113	138	160	196	27
●	●	1932	3.7	35.7	113	138	160	196	35
●	●	1940	3.6	35.7	113	138	160	196	43
●	●	2325	4.3	43.0	136	167	192	236	27
●	●	2332	4.1	43.0	136	167	192	236	35
●	●	2340	3.9	43.0	136	167	192	236	43

■ Maximum operating pressure



Note 1: The available model numbers are shown in the list marked with ●.
Please ask an Everloy representative for a customized model number.
The spray angle shown in the list is calculated from the spray width at 300mm. A spray angle varies according to a spray distance.

Note 2: The DNEXR is a type for high wear resistance based on a trumpet-shaped orifice and high hardness Everloy-brand tungsten carbide.



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ISO 9001/14001 CERTIFICATION

