# TRIM™ HyperSol™ 888NXT

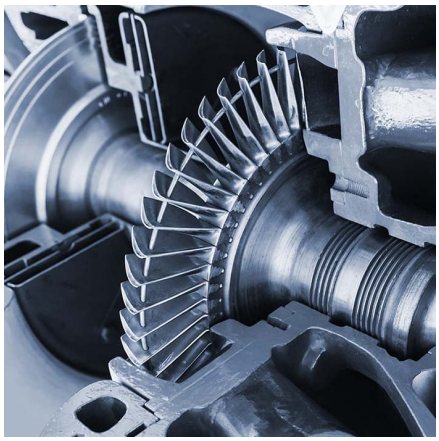
***neo-synthetic precision aerospace machining fluid***

## *Experience ultimate versatility*

HyperSol 888NXT's neo-synthetic technology masters the art of versatility. Providing exceptional performance on hard aerospace metals such as titanium and high-nickel alloys, stainless steels and Inconel®, it also offers the superior lubricity necessary for machining soft, gummy aluminium alloys. Delivering low foam, low odour and a long running lifespan while meeting the strictest environmental regulations, HyperSol 888NXT is redefining excellence in the coolant industry.

See your production soar to new heights with revolutionary TRIM HyperSol™ 888NXT!

***Automotive and Aerospace Components Manufacturer Increases Tool Life by 22% with Master Fluid Solutions™***



*The UK arm of a global manufacturing company specialises in the manufacture of impellers for automotive turbochargers and aerospace turbojet engines. Fully automated 5-axis machining of the titanium, Inconel and forged aluminium impellers requires high precision and very predictable tool wear. The manufacturer runs 32 machines on site, both roughing and finishing the impellers.*

## *Aerospace Approvals*

| Company | Specification |
|---|---|
| Airbus | Conforms to AIMS 12-10-001 |
| Dassault | No specification available |
| Rolls-Royce | CSS 130 |
| Safran Group | PCS-4001/4002, PR6300 |
| USDA BioPreferred - Certified Biobased Product | No specification available |

## Choose HyperSol 888NXT:

- Exceptional performance on hard aerospace metals
- Superior lubricity for machining softer aluminium alloys
- Trouble-free production
- Safest, environmentally-friendly ingredients
- Long-running lifespan delivers high customer value
- Less scrap, low foam and low odour

## HyperSol 888NXT especially for:

**Applications** — drilling, face milling, grinding, milling, reaming, tapping and turning

**Metals** — aluminium, Inconel®, nickel alloys, stainless steels, steel alloys and titanium alloys

**Industries** — aerospace, medical and oil & gas

**HyperSol 888NXT is free of —** boron, chlorine, DEA, formaldehyde releasers, mineral oils, silicone and sulphurised EP additives

Master Fluid SOLUTIONS™

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## Application Guidelines

- For additional product application information, including performance optimisation, please contact your Master Fluid Solutions' Authorised Distributor at https://www.masterfluids.com/eu/en/distributors/index.php, your District Sales Manager, or call our Tech Line at +49 211 41 72 8 -900.

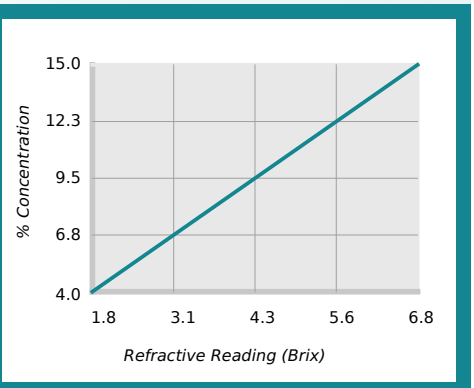
## Physical Properties Typical Data

| | |
|---|---|
| Colour (Concentrate) | Yellow |
| Colour (Working Solution) | White neo-synthetic |
| Odour (Concentrate) | Mild |
| Form (Concentrate) | Liquid |
| Flash Point (Concentrate) (ASTM D92-90) | > 100°C |
| pH (Typical Operating as Range) | 8.8 - 9.5 |
| Coolant Refractometer Factor | 2.2 |
| Titration Factor (CGF-1 Titration Kit) | 0.81 |
| Digital Titration Factor | 0.0217 |

## Recommended Metalworking Concentrations

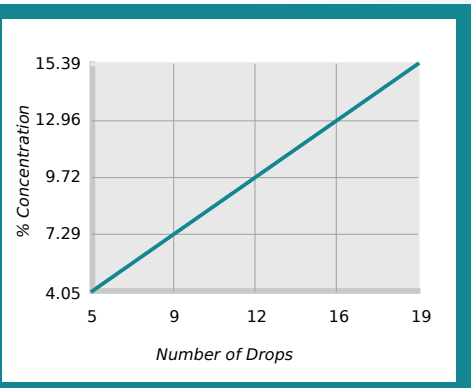
| | |
|---|---|
| Light Duty | 4.0% - 7.0% |
| Moderate Duty | 7.0% - 9.0% |
| Heavy Duty | 9.0% - 15.0% |
| Design Concentration Range | 4.0% - 15.0% |

## Concentration by % Brix




% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 2.2

## Concentration by Titration




% Concentration = No. of Drops x Titration Factor
Titration Factor = 0.81

## Health and Safety

Request SDS

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## Mixing Instructions

- Recommended usage concentration in water: 4.0% - 15.0%.
- To help ensure the best possible working solution, add the required amount of concentrate to the required amount of water (never the reverse) and stir until uniformly mixed.
- Use premixed coolant as makeup to improve coolant performance and reduce coolant purchases. The makeup you select should balance the water evaporation rate with the coolant carryout rate. Use our Coolant Makeup Calculator to find the best ratio for your machine: apps.masterfluids.com/makeup/.
- Use mineral-free water to improve sump life and corrosion inhibition while reducing carryoff and concentrate usage.

## Ordering Information

20-litre pail

204-litre drum

1000-litre IBC



## Additional Information

- Use Master STAGES™ Whamex XT™ for a quick and thorough precleaning of your machine tool and coolant system.
- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.
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https://2trim.us/di/?i=eu_en_HS888NXT

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