

## BRAZING PRODUCTS PROGRAMME TUBULAR BRAZING WIRE (TBW)

### *Brazargent - Silver*

- Innovative technology
- Increased productivity
- Parts requiring accuracy
- Excellent penetration
- Eliminates waste or overconsumption of flux and alloy
- Minimum cleaning of pieces

**SEAMLESS TUBULAR BRAZING WIRE**

**A unique innovative technology!**

  
BRAZING

**THE LAST AND ONLY FOUNDRY OF BRAZING METALS IN FRANCE AND THE PIONEER OF COPPER-PHOSPHOROUS BRAZING ALLOYS!**



**FSH WELDING GROUP** makes every effort to ensure that its customers benefit fully from its vast know-how. Since 1948, Reboud-Roche, the brazing manufacturing division of the Group, has accumulated recognised expertise, allowing it to be distinguished amongst the major players in the industry and distribution in France.

The irreproachable quality of its offer in standard and tailor-made products, as well as its quality assurance process, guarantee compliance with customer specifications. Our objective is simple and ambitious: to improve continuously in order to ensure the complete satisfaction of each of our customers.



# TUBULAR BRAZING WIRE (TBW)

## *Brazargent*



### TUBULAR TECHNOLOGY

The TBW (Tubular Brazing Wire) is the ultimate major technical evolution in terms of product shape and process.

The flux is “confined” in an extruded tube (seamless), which guarantees the entirety of the flux characteristics and an excellent brazing process. This innovation offers a simple but highly accurate method of application of the product, and yet still limiting to the strict localizing of the quantity of brazing flux applied.

### APPLICATIONS



#### Car

Braking systems and power assisted steering



#### Industrial and residential air-conditioning



#### Electrical immersion heaters / resistors



#### Other related industries



### + PRODUCT AVANTAGES

- **Protection of operators** (no contact with the flux)
- **Absence of residues after operation** (no binder in the flux)
- **Adapted to any gap:** perfect penetration and impermeability (depending on the alloy)
- **Innovative product, unique concept worldwide**
- **High fluidity and excellent capillarity**
- **Strong reduction of fumes emissions during application**
- **Range adapted to any need:** various shapes and diameters available
- **Excellent in automatized processes**
- **Optimisation of post-braze cleaning** (perfection of process)
- **Excellent flux / metal ratio: increased profitability**
- **Use in flame, induction or oven/furnace brazing**
- **Assembly of all kind of metals** (steel, copper, stainless steel, brass...)
- **Less heat required in comparing to solid wire** (less mass)
- **Ease of storage and transport thanks to the absence of flux coating**
- **New and improved packaging**



## COMPARISON

### Brazargent 5056 TBW versus Brazargent 5056 FLUX COATED

PRODUCT NAME	(REQUIRED) FILED METAL	QUANTITY OF PRODUCT TO BUY	AG CONTENT QUANTITY	FLUX QUANTITY	PRICE €/KG CALCULATED ON A BASE OF 1000 €/KG	1 KG METAL DROP OFF COST «VALUE TO COMPARE»
<b>BRAZARGENT 5056 FC</b>	7,5 kg	10 kg Flux coated rods	<b>Identical</b>	2,5 kg	450 €/kg Flux coated rods	600 €/kg
<b>BRAZARGENT 5056 TBW</b>	7,5 kg	8,52 kg TBW	<b>Identical</b>	1,02 kg	553 €/kg TBW (+22,9%)	628,41 €/kg (+4,7%) <b>Only</b>

## TECHNICAL AND ECONOMICAL BENEFITS BALANCE

TUBULAR BRAZING WIRE VS VSTRADITIONAL COATED RODS



*Benefits of product depends on application.  
Increased savings = more profits.*

*With TBW, you save time, labour, material and treatment costs (water treatment...).*

**Generally, TBW product is more competitive!**

#### COATED RODS

- 1 Possibility to customize by the coating colour
- 2 Purchase cost slightly lower

#### TUBULAR BRAZING WIRE

- 1 Optimum control of flux and metal quantity deposited
- 2 Available in preforms
- 3 Automation of the spool process
- 4 Better capillarity
- 5 Higher reduction in fume emission during brazing operation
- 6 Almost no post-brazing cleaning
- 7 Better productivity: Total rod weight/metal filled
- 8 No coating fragility
- 9 Lower total cost (consumable price+ manufacturing)\*

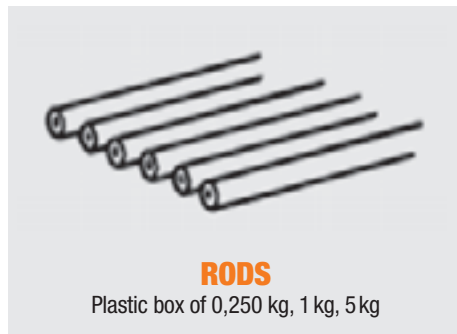
*\* For further information, please consult a salesman.*

## References available :

REF.	PRODUCT NAME	FAMILY	STANDARD NF EN ISO 17672	STANDARD AWS A5.8	FLUX TYPE FH 10 STANDARD NF EN 1045	MELTING RANGE
5034T	TBW BRAZARGENT 5034	■	Ag 134	-	12% (+/-2) weighty total	630°C - 730°C
5040T	TBW BRAZARGENT 5040	■	Ag 140	B Ag-28		650°C - 710°C
5045T	TBW BRAZARGENT 5045	■	Ag 145	B Ag-36		640°C - 680°C
5056T	TBW BRAZARGENT 5056	■	Ag 156	B-Ag-7		620°C - 655°C

## Products available in :

- **Standard diameter** : 1,0 mm - 2,5 mm



*Other types of packaging on specific request.*

## Services

- **Advice and assistance**

A team of experienced engineers and metallurgists assist customers globally in the selection of the most appropriate materials adapted to each application.

- **Research and Development (R&D)**

The R&D department is equipped to provide customized product testing in accordance with customer requests.

- **Customer service**

The sales department is available to respond rapidly and judiciously to any requests.

## Quality

ISO 9001 certification.

