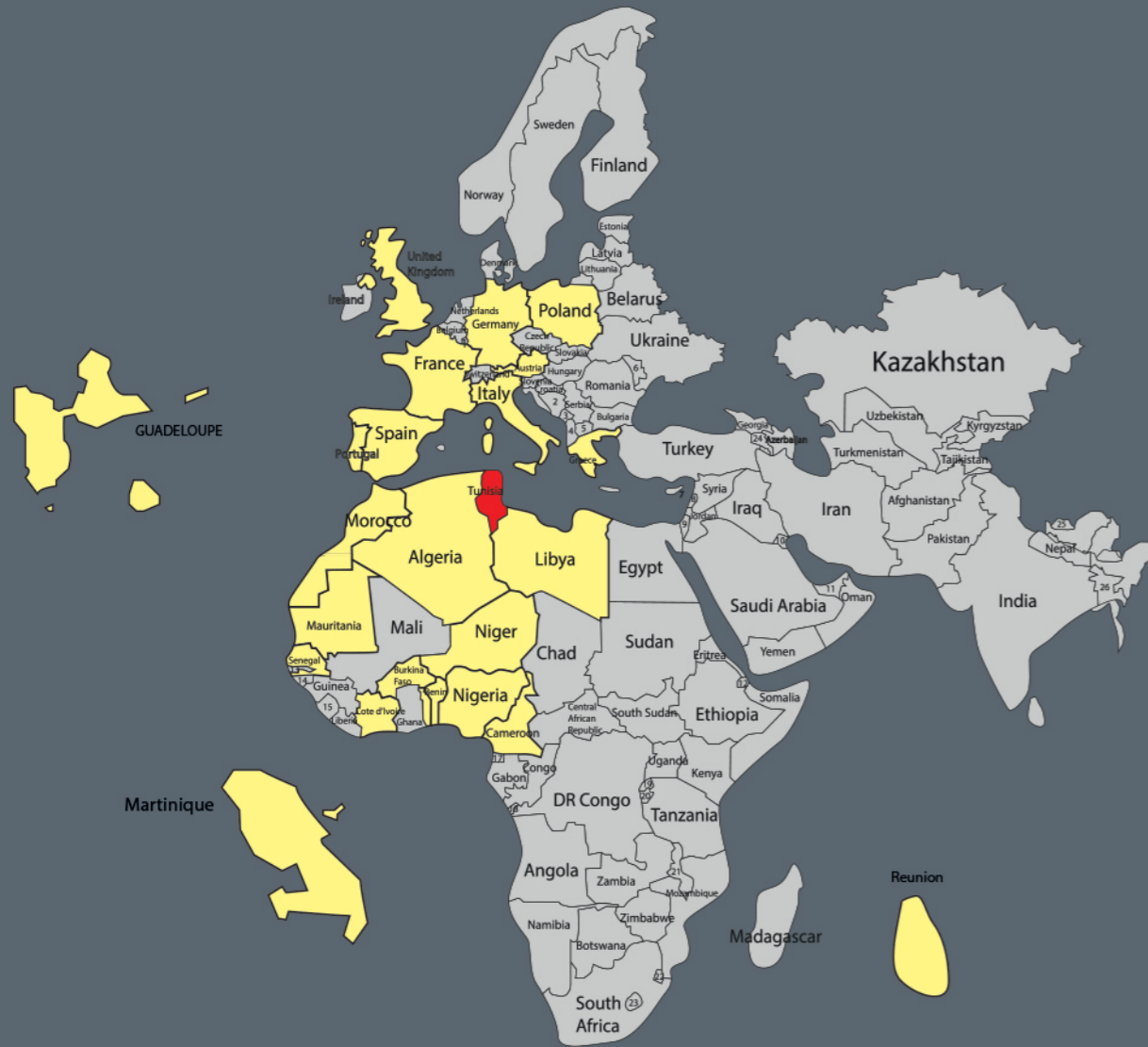




# COLD DRAWN TUBES



■ Our customers abroad

**Welded Tube and Finishing Plant :** ZI Route du Bac 2040 RADES, Tunisia

**Cold Drawing Plant :** ZI, Rue Jamel Abdennaser, 2048 Borj Cedria, Tunisia

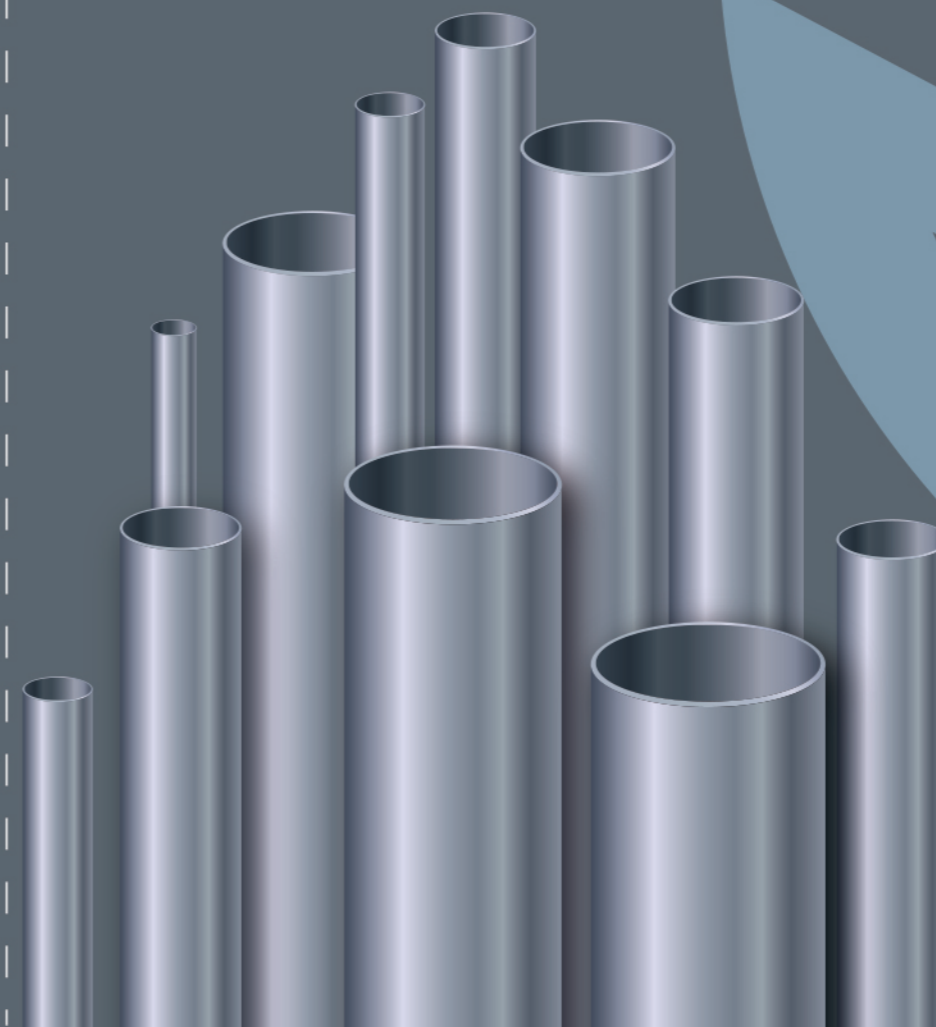
**PHONE :** (+216) 70 020 622 / 70 020 630

**Commercial / PAF Director Mobile :** (+216) 97 394 278

(+216) 97 394 769 / (+216) 97 394 298

**E-mail :** commercial@paf.com.tn

**website:** www.paftube.com





## THE COMPANY

Since its creation in 1979, PAF, a subsidiary of Poulina Group Holding (PGH) has developed its activities to become the leading producer of steel tubes in the region, exporting its products to Europe and Africa.

From its 2 plants located in Tunis, PAF supplies welded tubes, cold drawn tubes, semi-finished and finished tubes for a total quantity of 40,000 tons per year.

Our plants are already powered by renewable solar energy.

We aim to minimize our impact on the environment particularly in terms of air, soil, and water, fostering a circular economy .

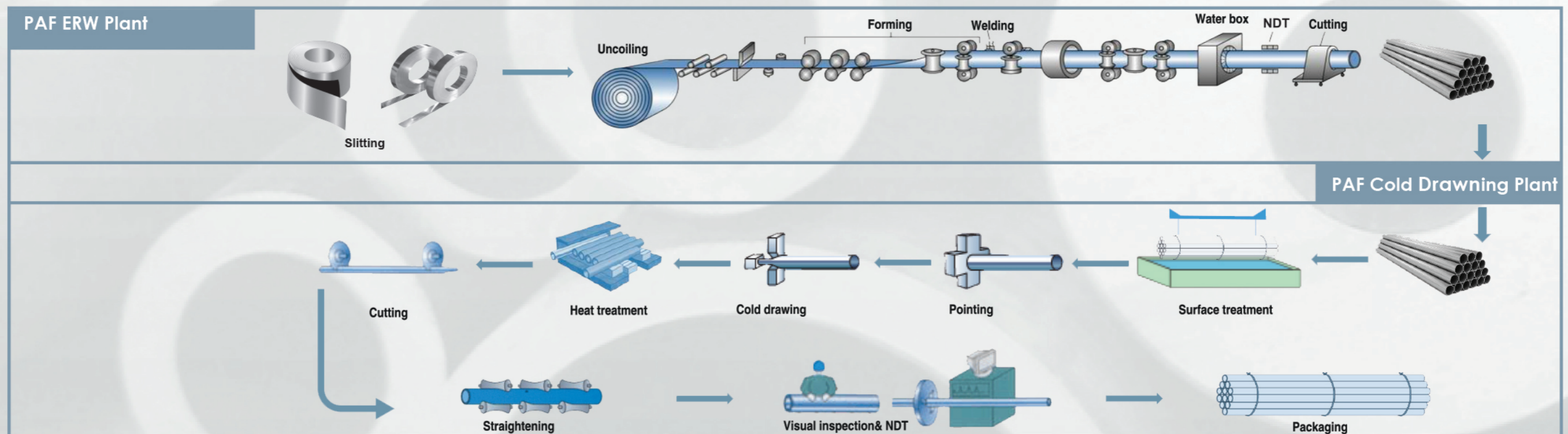
## COLD DRAWN TUBES

The cold drawing process ensures that the tube has :

- High dimensional accuracy for both inside and outside diameter
- A very smooth surface
- Improved mechanical properties due to cold forming
- Wide range of dimensions
- Depending on the final application, the tubes are produced in different delivery conditions.



## PRODUCTION PROCESS





## PRODUCTION RANGE

PAF manufactures a wide range of steel cold drawn tubes in accordance with EN10305-2 (EN10305-1 on request)

## DIMENSIONS AND TOLERANCES

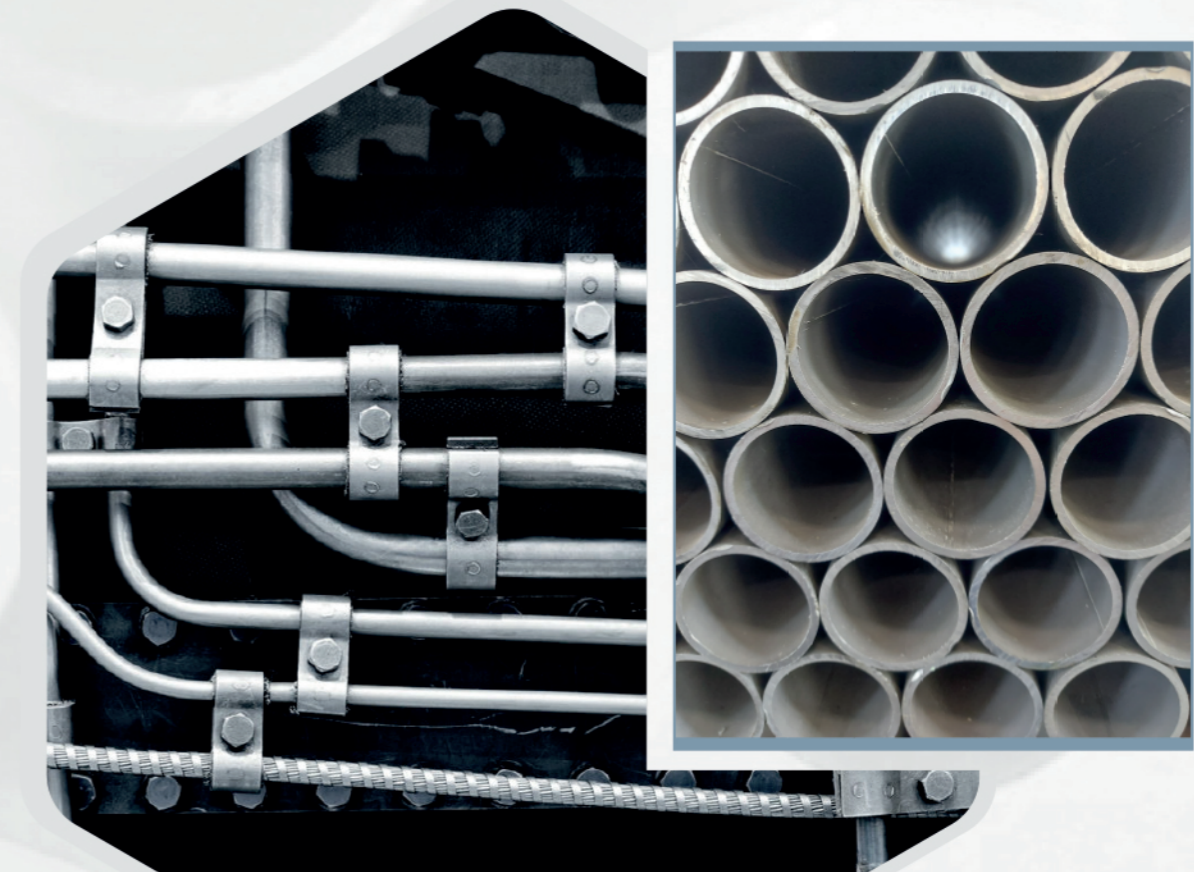
OUTSIDE DIAMETER (OD) / mm	TOLERANCES	WALL THICKNESS (WT) mm												
		0,8	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
		INSIDE DIAMETER (ID) / TOLERANCES mm												
8	±0,08	6,4±0,15	6±0,15											
9		7,4±0,15	7±0,15	6±0,15										
10		8,4±0,15	8±0,15	7±0,15	6±0,15									
12		10,4±0,15	10±0,15	9±0,15	8±0,15									
14		12,4±0,08	12±0,08	11±0,15	10±0,15	9±0,15								
15		13,4±0,08	13±0,08	12±0,15	11±0,15	10±0,15								
16		14,4±0,08	14±0,08	13±0,08	12±0,15	11±0,15	10±0,15							
18		16,4±0,08	16±0,08	15±0,08	14±0,08	13±0,15	12±0,15	11±0,15						
20		18,4±0,08	18±0,08	17±0,08	16±0,08	15±0,15	14±0,15	13±0,15	12±0,15					
22		20,4±0,08	20±0,08	19±0,08	18±0,08	17±0,15	16±0,15	15±0,15	14±0,15					
25		23,4±0,08	23±0,08	22±0,08	21±0,08	20±0,08	19±0,15	18±0,15	17±0,15	16±0,15	15±0,15			
26		24,4±0,08	24±0,08	23±0,08	22±0,08	21±0,08	20±0,15	19±0,15	18±0,15	17±0,15	16±0,15			
28		26,4±0,08	26±0,08	25±0,08	24±0,08	23±0,08	22±0,15	21±0,15	20±0,15	19±0,15	18±0,15			
30		28,4±0,08	28±0,08	27±0,08	26±0,08	25±0,08	24±0,15	23±0,15	22±0,15	21±0,15	20±0,15			
32	±0,15	30,4±0,15	30±0,15	29±0,15	28±0,15	27±0,15	26±0,15	25±0,15	24±0,15	23±0,15	22±0,15			
35		33,4±0,15	33±0,15	32±0,15	31±0,15	30±0,15	29±0,15	28±0,15	27±0,15	26±0,15	25±0,15			
38		36,4±0,15	36±0,15	35±0,15	34±0,15	33±0,15	32±0,15	31±0,15	30±0,15	29±0,15	28±0,15			
40		38,4±0,15	38±0,15	37±0,15	36±0,15	35±0,15	34±0,15	33±0,15	32±0,15	31±0,15	30±0,15			
42	±0,2		40±0,20	39±0,20	38±0,20	37±0,20	36±0,20	35±0,20	34±0,20	33±0,20	32±0,20			
45			43±0,20	42±0,20	41±0,20	40±0,20	39±0,20	38±0,20	37±0,20	36±0,20	35±0,20			
48			46±0,20	45±0,20	44±0,20	43±0,20	42±0,20	41±0,20	40±0,20	39±0,20	38±0,20			
50			48±0,20	47±0,20	46±0,20	45±0,20	44±0,20	43±0,20	42±0,20	41±0,20	40±0,20			
55	±0,25		53±0,25	52±0,25	51±0,25	50±0,25	49±0,25	48±0,25	47±0,25	46±0,25	45±0,25			
60			58±0,25	57±0,25	56±0,25	55±0,25	54±0,25	53±0,25	52±0,25	51±0,25	50±0,25			
65	±0,30		63±0,30	62±0,30	61±0,30	60±0,30	59±0,30	58±0,30	57±0,30	56±0,30	55±0,30			
70			68±0,30	67±0,30	66±0,30	65±0,30	64±0,30	63±0,30	62±0,30	61±0,30	60±0,30			
75	±0,35		73±0,35	72±0,35	71±0,35	70±0,35	69±0,35	68±0,35	67±0,35	66±0,35	65±0,35			
80			78±0,35	77±0,35	76±0,35	75±0,35	74±0,35	73±0,35	72±0,35	71±0,35	70±0,35			
85	±0,40		82±0,40	81±0,40	80±0,40	79±0,40	78±0,40	77±0,40	76±0,40	75±0,40				
90														

The Tolerances listed are in accordance with EN10305-2, Tighter tolerances can be produced on request.

## STEEL GRADES AND DELIVERY CONDITIONS

STEEL GRADE	DELIVERY CONDITIONS	MINIMUM VALUE		
		Rm N/mm <sup>2</sup>	Re N/mm <sup>2</sup>	A %
E195	+C	420		6
	+LC	370		10
	+A	290		28
	+N	300 - 440	195	28
E235	+C	490		6
	+LC	440		10
	+A	315		25
	+N	340 - 480	235	25
E275	+C	560		5
	+LC	510		8
	+A	390		22
	+N	410-550	275	22
E355	+C	640		4
	+LC	590		6
	+A	450		22
	+N	490-630	355	22

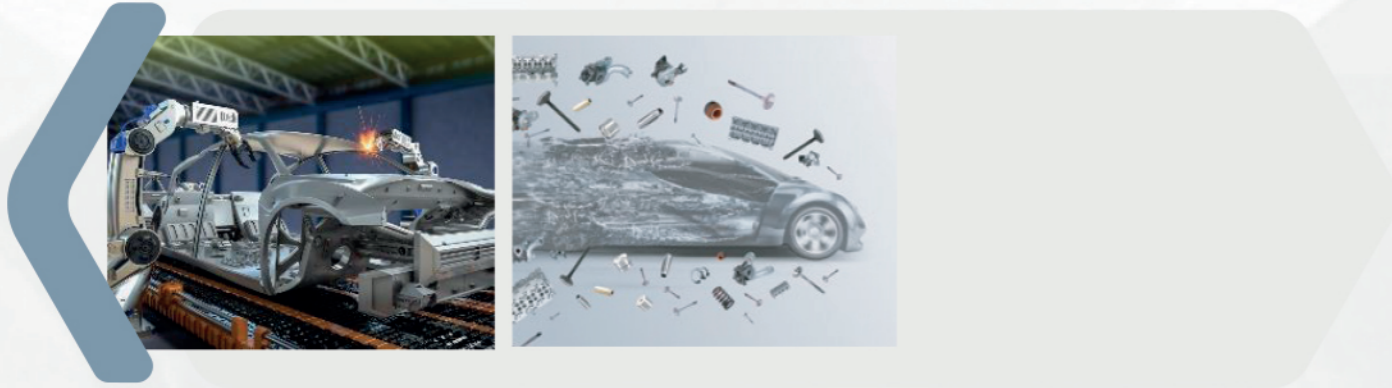
Available upon customer request  
**S315MC, S355MC,  
 SAE1006, DC01**





## PRODUCT APPLICATIONS

### AUTOMOTIVE



Applications :

Silent blocks



Airbag tubes



Gas spring tubes



Shock absorber



### MACHINERY & MOTORS



Applications :

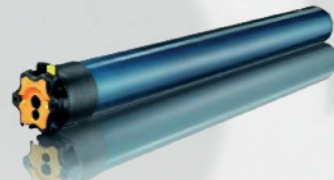
Hydraulic tubes



Fluid routing tubes



Tubular motors

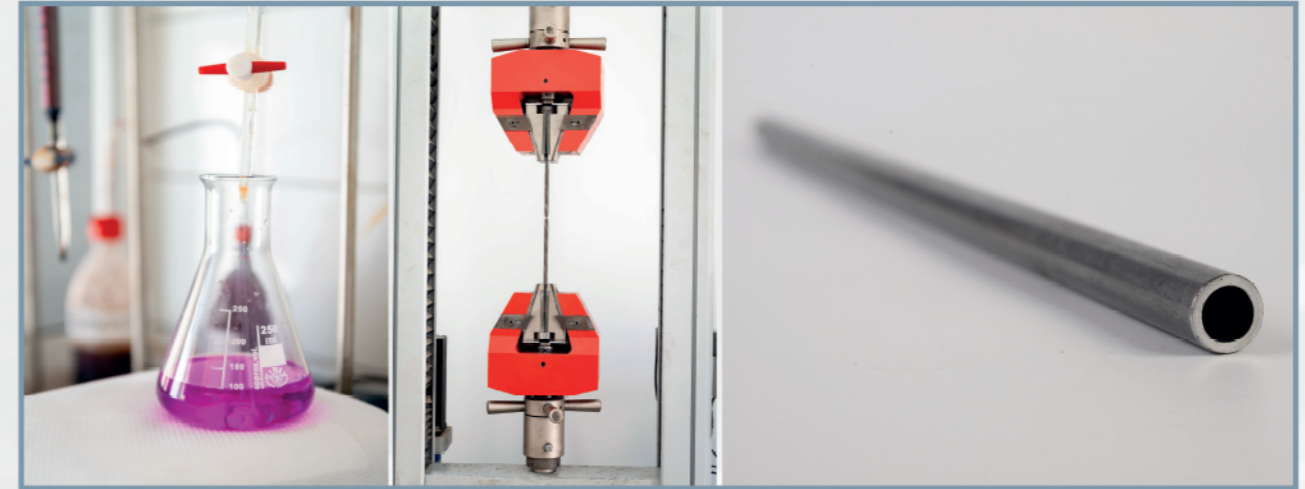


Agriculture machinery



## QUALITY COMPLIANCE

At PAF Tube, we adhere to stringent quality norms, ensuring each cold drawn tube meets the highest standards of accuracy and reliability. Our unwavering respect for these norms is bolstered by actively involving our employees in the quality assurance process, fostering a culture of precision and excellence at every production stage. Our commitment is further validated by our extensive certifications, maintaining industry-leading standards since 1995.



## CERTIFICATIONS



### CERTIFICATE



This is to certify that



**Société de transformation de  
Metaux SA- PAF**  
Zone Industrielle Borj Cedria  
2064 Den Arous  
Tunis

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System**.

Scope:  
Manufacture of cold drawn steel tubes

Through an audit, documented in a report, it was verified that the management system  
fulfills the requirements of the following standard:

**ISO 9001 : 2015**

Certificate registration no. 40550643 OM15  
Valid from 2023-08-19  
Valid until 2025-08-16  
Date of certification 2023-08-19




**DQS GmbH**  
*Christian Gering*  
Christian Gering  
Managing Director

Accredited Body: DQS GmbH, August-Schne-Strasse 21, 66483 Frankfurt am Main, Germany  
Administrative Office: DQS MAG4888, Avenue Habib Bourguiba, Immeuble 1a Forum B 3.3,  
Boulevard El-2025 Arania, Tunisia  
The validity of this certificate can only be verified by the QR-code.

