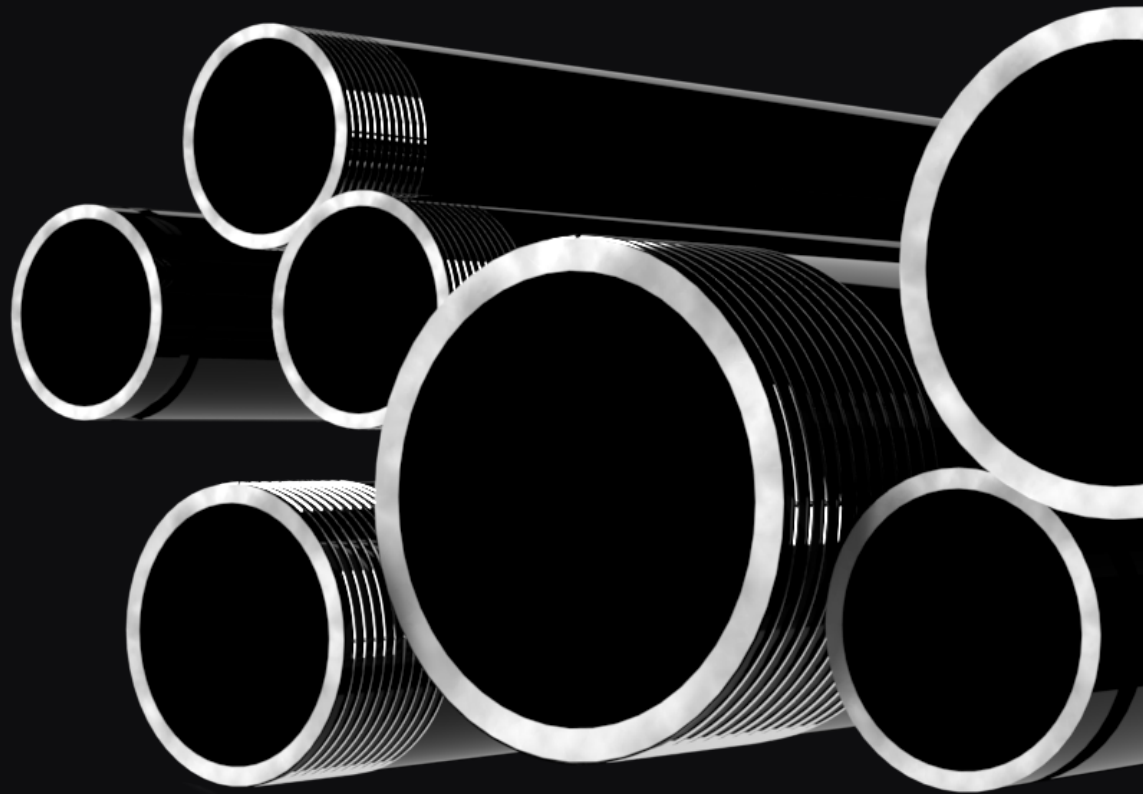


# NEXUM

THE MOST SOPHISTICATED  
PIPE WE'VE EVER ENGINEERED.



**UTP**  
GROUP

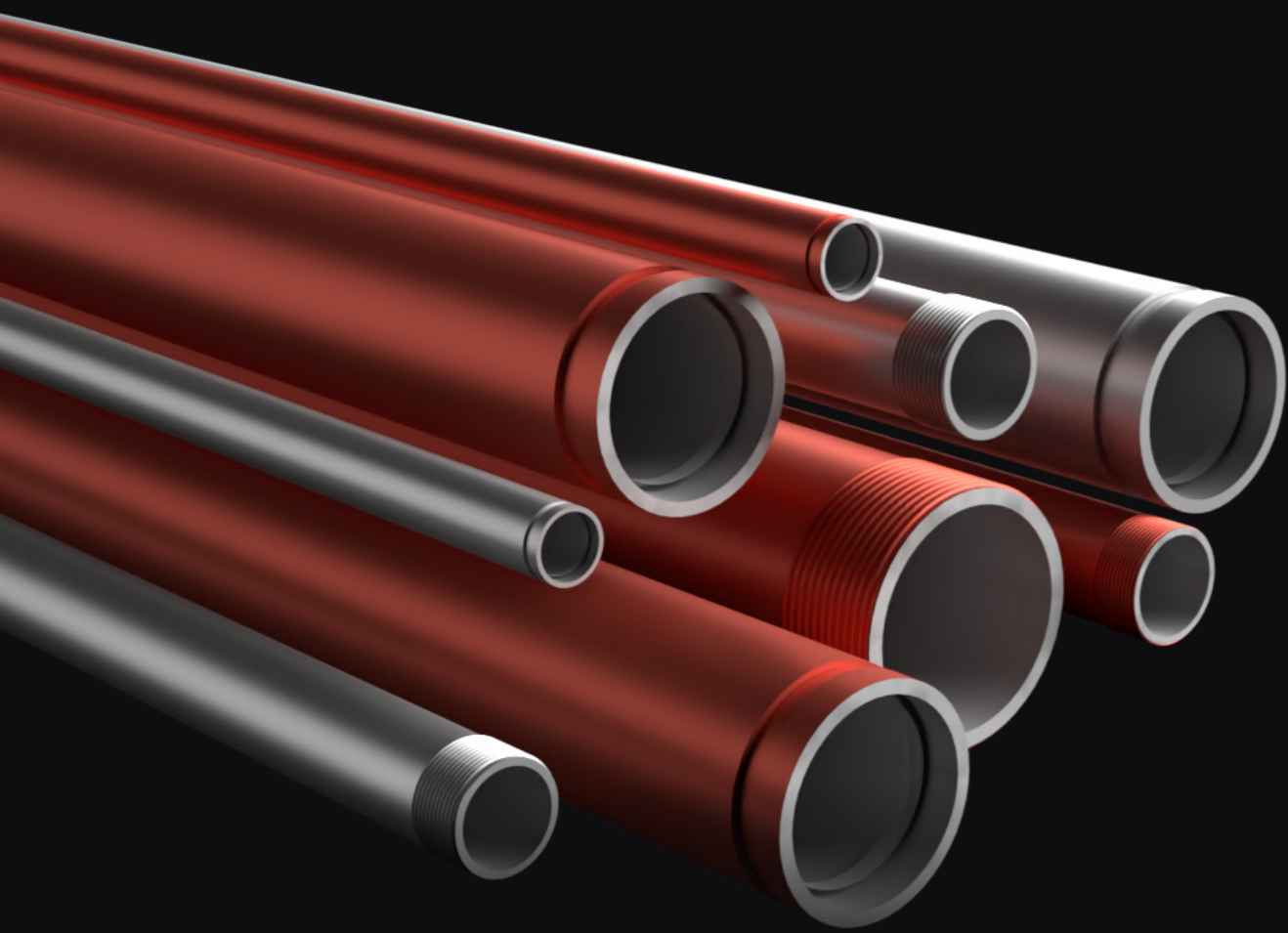


**THERMALX**

**total  
wall**

**LOOP360**

**HYPER-FIT PRO**



## NEXUM

Manufactured using advanced technology for the ultimate solution in gas, water tube and pressure equipment. Highly engineered welded pipe for the end user.

## FEATURES & BENEFITS

### THERMAL X

#### THERMAL X COATING

Elevated temperature properties with improved or added corrosion resistance, toughness and endurance. Suitable for temperature ranges -10C to +100/200C.

### total wall

#### TOTAL WALL RELIABILITY

Precision wall thickness for consistent end matching. Size range from ½ inch to 6 in (15mm – 150mm NB).

### LOOP360

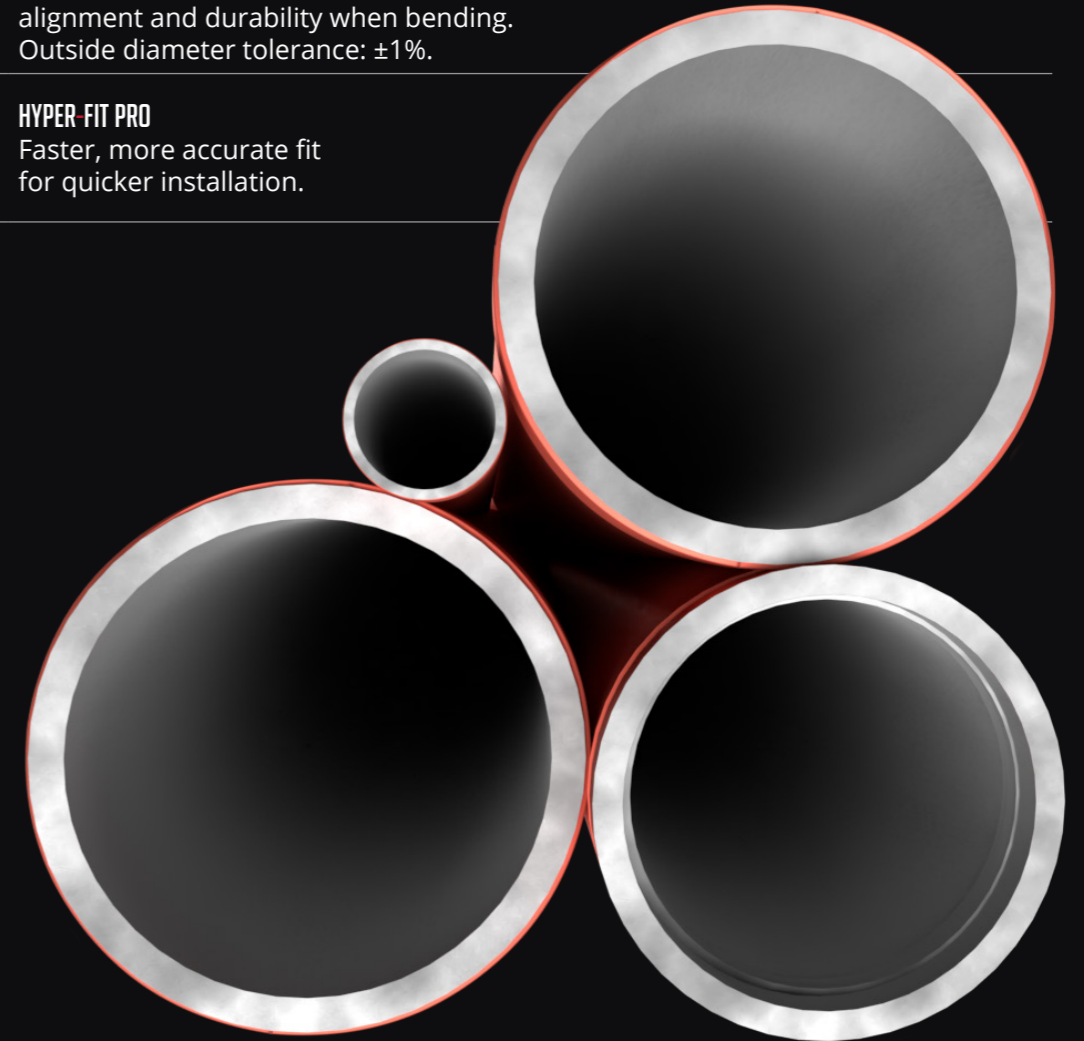
#### LOOP360 PRECISION

Ultimate roundness for accurate alignment and durability when bending. Outside diameter tolerance: ±1%.

### HYPER-FIT PRO

#### HYPER-FIT PRO

Faster, more accurate fit for quicker installation.



# Technical Data Sheet for Hot Finish Product

Specification: EN 10217-1 TR2, Brand: Nexum

Product category : Hot finish Product (Full body Normalizing)

1.0 TUBE	Size						
	SIZE	SPECIFIED OUTSIDE DIAMETER		WALL THICKNESS	Weight of Tube		PRESSURE
	INCH	NB	MM	NOM	BLACK	S/S	BAR
<b>MEDIUM</b>	1/2"	15	21.3	2.6	1.21	1.22	70
	3/4"	20	26.9	2.6	1.56	1.57	70
	1"	25	33.7	3.2	2.41	2.43	70
	1 1/4"	32	42.4	3.2	3.10	3.13	70
	1 1/2"	40	48.3	3.2	3.56	3.6	70
	2"	50	60.3	3.6	5.03	5.1	70
	2 1/2"	65	76.1	3.6	6.42	6.54	70
	3"	80	88.9	4.0	8.36	8.53	70
	4"	100	114.3	4.5	12.2	12.5	70
	5"	125	139.7	5.0	16.6	17.1	70
6"	150	165.1	5.0	19.8	20.4	70	

<b>HEAVY</b>	1/2"	15	21.3	3.2	1.44	1.45	70
	3/4"	20	26.9	3.2	1.87	1.88	70
	1"	25	33.7	4.0	2.93	2.95	70
	1 1/4"	32	42.4	4.0	3.79	3.82	70
	1 1/2"	40	48.3	4.0	4.37	4.41	70
	2"	50	60.3	4.5	6.19	6.26	70
	2 1/2"	65	76.1	4.5	7.93	8.05	70
	3"	80	88.9	5.0	10.3	10.5	70
	4"	100	114.3	5.4	14.5	14.8	70
	5"	125	139.7	5.4	17.9	18.4	70
6"	150	165.1	5.4	21.3	21.9	70	

# Technical Data Sheet for Hot Finish Product

Specification: EN 10217-1 TR2, Brand: Nexum

Product category : Hot finish Product (Full body Normalizing)

Steel Grade		C	Si	Mn	P	S	Cr	Mo	Ni	Al	Cu	Nb	Ti	V	Cr+Cu+Mo+Ni
Steel Name	Steel Number	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Min.	Max.	Max.	Max.	Max.	Max.
P195TR2	1.0108	0,13	0,35	0,70	0,025	0,015	0,30	0,08	0,30	0,02	0,30	0,010	0,04	0,02	0,70
P235TR2	1.0255	0,16	0,35	1,20	0,025	0,015	0,30	0,08	0,30	0,02	0,30	0,010	0,04	0,02	0,70
P265TR2	1.0259	0,20	0,40	1,40	0,025	0,015	0,30	0,08	0,30	0,02	0,30	0,010	0,04	0,02	0,70

### 3. MECHANICAL PROPERTIES

Steel Grade		YS minimum for T <sub>≤</sub> 16mm	Tensile Strength	Elongation min. %		Impact Properties Minimum Avg. (J) At a temperature of °C		
Steel Name	Steel Number	Mpa	Mpa	Longitudinal	Transverse	Longitudinal		Transverse
						0	-10	0
P195TR2	1.0108	195	320-440	27	25	40	28	27
P235TR2	1.0255	235	360-500	25	23	40	28	27
P265TR2	1.0259	265	410-570	21	19	40	28	27

4. FLATTENING TEST	The flattening test shall be carried out in accordance with EN ISO 8492. The tube section shall be flattened in a press until the distance H between the Platens reaches the value calculated by the following equation: $H = ((1+C) / C + (T/D)) \times T$ Where: - H is the distance between platens to be measured under load, in mm. - D is the specified outside diameter, in mm. - T is the specified wall thickness, in mm. - C is a constant, the value of which is . - 0.09 for steel grades P195 and P235TR2 - 0.07 for steel grades P265TR2
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5. DRIFT TEST	Tube shall be expanded with a 60°conical tool, until the percentage increase in outside diameter as below.			
	Steel Grade		% Increase in outside diameter for d/D	
	Steel Name	Steel Number	≤ 0,8	> 0,8
	P195TR2	1.0108	10	12
	P235TR2	1.0255	10	12
	P265TR2	1.0259	8	10
d= D-2T				



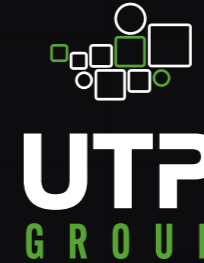
# Technical Data Sheet for Hot Finish Product

**Specification: EN 10217-1 TR2, Brand: Nexum**

Product category : Hot finish Product (Full body Normalizing)

TOLERANCES	
6. OUTSIDE DIAMETER.	D $\leq$ 219.1 = $\pm$ 1% or $\pm$ 0.5mm whichever is the greater.
7. STRAIGHTNESS	Straightness shall not exceed 0.0015 L. Deviations from straightness over any one meter length not exceed 3mm
8. THICKNESS	+/-10 % for wall thickness $\leq$ 5mm    +/-8% for wall thickness 5<T $\leq$ 40mm
9. WELD BEAD HEIGHT	For TR2 inside 0.5 + 0.05T mm maximum and outside shall be Trimmed (Inside Bead shall be trimmed from size 2" and above)

10. ENDS	Cut cleanly and nominally square with the axis of the tube and free from excessive burrs.		
11. LEAK TIGHTNESS TEST	a)	On line NDT(Eddy Current)	
	b)	Hydro testing pressure shall be as per above Table and holding time Min. 5 Second.	
12. ZINC COATING	As per EN10240A1/ISO 1461		
13. THREADING	For 1/2" to 3/4" - 14 TPI and from 1" to 6" - 11 TPI. Check with standard ring and plug gauges.		
14. MARKING	We can do online stenciling as per this standard & as per customer needs at one meter interval		
15. PACKING	Hexagonal Type		
16. COLOR CODING	Sr.No.	Description	Color
	1	MEDIUM	Blue
	2	HEAVY	Red
17. RELEVANT CERTIFICATION	BSI (PED)		
18. MILL TEST CERTIFICATE:-	We can issue a MTC as per EN 10204 Type:3.1, Certifying that the tubes supplied comply with this standard.		
19. ADVANTAGE OVER COLD FORMED TUBES	<ol style="list-style-type: none"> <li>1) Consistent Micro Structure</li> <li>2) Internal stress relief helps to avoid Seam Cracking.</li> <li>3) Consistency in Physical/Mechanical properties.</li> <li>4) Improved Ductility.</li> <li>5) Refined Grain Structure &amp; Consistence Toughness.</li> <li>6) High pressure integrity.</li> <li>7) No loss of strength in further application like fabrication, heating , etc.</li> <li>8) Preferred for processes like Grooving and Threading, with minimal risk of weld seam split/cracking.</li> </ol>		



Nexum pipes will be produced by Universal Tube & Plastic Industries, a subsidiary of the iconic global conglomerate Taurani Holdings Ltd. UTP has full CE/PED certification and a track record of engineering excellence, ensuring that all Nexum products will be manufactured to a superior standard. Once produced, they will be distributed through Brisko Metal Resources, a leading UK stockholder specialising in pipes, scaffolding and structural steel.



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