

Sl. No.	Parameters	Description as per Specification				
1	Specification	A519 SAE 1045 /DIN 17204 CK45 / Gr. EN8D				
2	Size	OD 43.00 X WT 7.00 MM				
3	Application	A519 SAE 1045 - Standard Specification for seamless Pipe				
		DIN 17204 CK45 - Seamless circular steel tubes.				
		Gr. EN8D - Forgings and general engineering parts e.g.: Dynamo and motor shafts, heat-treated bolts, crankshafts, connecting rods, driving rings, and flanges. railway couplings, axles, brackets, housings, miscellaneous gun carriages, and small arms parts not subjected to high stress. or severe Wear.				
4	Process of Manufacture	Cold drawn seamless				
5	Specification Grade	A519 SAE 1045	DIN 17204 CK45	Gr. EN8D	Lalbaba Offer	
6	Mechanical test	Yst in Mpa	483 min	350 min	441 min	500 min
		UTS in Mpa	552 min	640-760	620 min	650-720
		E%	8 min	8 min	10 min	12 min
		Hardness	85 HRB min	Not Applicable	Not Specified	85 HRB min
		Bend test	Not Applicable	Not Applicable	Not Applicable	Not Applicable
		Flattening	Not Applicable	Not Applicable	Not Applicable	Not Applicable
		Flarring	Not Applicable	Not Applicable	Not Applicable	Not Applicable
		Impact	As per customer Requirement	As per customer Requirement	As per customer Requirement	OK
7	Chemical composition	%C	0.43-0.50	0.42-0.50	0.40-0.45	0.38-0.40
		%Mn	0.60 -0.90	0.50-0.80	0.70-0.90	0.65-0.85
		%Si	-	0.40 Max	0.05-0.35	0.210-0.230
		%p	0.040 Max	0.035 Max	0.060 Max	0.040 Max
		%S	0.050 Max	0.04 Max	0.060 Max	0.050 Max
		%Cr	-	0.40 Max	-	0.005-0.010
		%Cu	-	-	-	0.005-0.006
		%Mo	-	0.10 Max	-	0.005-0.008
		%Ni	-	-	-	0.002-0.006
		%V	-	-	-	0.001-0.004
		Others	-	-	-	-
8	NDT	ECT	Applicable as per specification ASME E309	Applicable as per specification ISO 10893-2	Applicable as per specification ISO 10893-2	As per specification with minimum 0.8 mm drill hole
		UT	Applicable as per specification ASME E213	Applicable as per specification ISO 10893-10	Applicable as per specification ISO 10893-10	As per specification with minimum 0.3 mm notch depth
9	Hydrostatic Test	Not specified	Not specified	Not specified	Not Required	
10	Dimension Tolerance (mm)	OD	OD (+0.23/-0.00)	OD (+0.30/-0.30)	As per customer requirement	OD (+0.23/-0.00)
		WT / ID	ID (+0.00/-0.23)	ID (+0.30/-0.30)	As per customer requirement	ID (+0.00/-0.23)
11	Heat Treatments Condition	Strss Relieve	Strss Relieve	Strss Relieve	Strss Relieve	
12	Surface condition	-	-	-	Scale & defect free smooth black surface	
13	End Condition	Plain end	Plain end	Plain end	Plain end	
14	Straightness	Reasonably staright	Reasonably staright	Reasonably staright	0.8 : 1000 MM	
15	Ovality	-	-	-	0.3 mm Max	
16	Eccentricity	-	-	-	5% Max	
17	Stencil Marking	LALBABA/LOGO/ A519 SAE 1045 /DIN 17204 CK45 / Gr. EN8D / OD 43.00 X WT 7.00 MM / MADE IN INDIA				
18	Coating	Bare/Rust preventive coating			Bare/Oiling/Varnish	

Reach Us At

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