

FILE No. DCEO/GeM/AVM/

Draft 1 07.01.2019

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Major category : Tools and General Machinery-UNSPSC - - 27000000

Sub Category : Hand Tools - UNSPSC Code - 27110000

Wrenches and drivers - UNSPSC Code - 27111700

CHAIN PIPE WRENCHES : UNSPSC Code - 27111708 (temp)

S.No.	Parameters	Grouping		Value 1	Value2	Value 3	Value 4	Value 5	Value 6	Golden	Validation	Whether Filter Required	Priority	Unit	
1	Conformity to Standard	S	E	As per IS:4123 1982/95 with amendment 1 to 3 or with all latest amendments						G					
2	BIS marked	S	E	Yes	No										
3	If BIS marked Yes indicate BIS lisenace number otherwise put N/A	S	T												
4	Purpose	P	E	Chain pipe wrenches that are designed to turn threaded pipe and pipe fittings for assembly (tightening) or disassembly (loosening) by holding pipe outer diameter						G					
5	Type of pipe wrenches	P	E	Chain Pipe Wrenches						G					
6	Nominal Size in mm	D	E	50	80	100	150	200	300	G				mm	
7	Capacity (Range) in mm	P	E	10 - 60	15 - 90	27 - 115	35 - 165	50 - 220	50 - 300	G				mm	
8	Total Length (with tolerance ± 10) in mm	D	E	510	710	920	1100	1250	1610	G				mm	
9	Minimum Jaw Length in mm	D	E	125	150	170	180	200	250	G				mm	
10	Minimum Width of Jaw in mm	D	E	55	60	75	80	85	105	G				mm	

11	Minimum Diameter of Handle in mm	D	E	22	28	28	30	30	32	G				mm
12	minimum Thickness of Jaws in mm	D	E	9.5	11	11.5	13.5	15	16.5	G				mm
13	Minmum Length of Chain in mm	D	E	385	465	565	800	975	1350	G				mm
14	Minimum Pitch of Chain in mm	D	E	19.05	25.4	31.75				G				mm
15	Minimum Hardness of Jaws	P	E	450										HV
16	Handle grip test torque in N-m	P	E	300	550	900	1550	1800	2100	G				N.m
17	Breaking load of Chain	P	E	3500	3600	4000	4500	6000		G				da N
18	Material of Handle	M	E	Carbon Steel										Forge d
19	Material of Jaws	M	E	35C4 Carbon Steel										Forge d
20	Material of Bolts	M	E	35C4 Carbon Steel										Forge d
21	Weight of Chain Pipe wrenches	D	N											Kg.
22	Warranty in years	P	E	1	2	3	4	5		G				Years
23	Number of set of nut & bolt for assemble /disassemble chain provided	P	E	2										
24	Handle should be made in single solid piece	P	E	Yes										
25	Jaws should be forged to shape & teeth not slip over pipe surface	P	E	Yes										
26	Chain pipe wrenches finishing	P	E	It shall be free from manufacturing defect ,flaws cranks,rust,burrs etc.										
27	Chain shall be properly lubricated with greased or high viscosity oils	P	E	Yes										
28	Marking to Chain pipe wrenches	P	E	The chain pipe wrenches shall be marked with capacity,manufacture name and or trade mark										

29	Availability of ISO certification Number to manufacturer	R	E	Yes	No									
30	ISO certification issued date, If ISO certificate not available then put NA	R	T											
31	Availability of test report from central Govt/ NABL/ILAC accredited lab covering all parameters	R	E	Yes	No									
32	Test Report Number, If no test report available put NA	R	T											
33	Test report date	R	T											
34	Name of the test lab	R	T											
35	Address of test lab	R	T											
36	Copies of test Reports/certificates and other certifications to be furnished to buyer on demand at time of supplies	R	E	Yes										
	Mr.Ajmer Singh (TA)								Shri A. V. MURALIDHARAN (Dy. CEO)					