

### ALLOYS – COLD DRAWN

Grade	C	Mn.	P (Max)	S (Max)	Si	CR	Ni	Mo	Pb	Tensile Strength PSI (1000)	Yield Strength PSI (1000)	Hardness		Machinability % of B-1112  CD
												Brinell	Rockwell	
41L40	.38/.43	.75/1.00	.035	.040	.20/.35	.80/1.10	-	.15/.25	.15/.35	95/100	85/100	187/229	90/96B	90
61L50	.48/.53	.70/.90	.035	.040	.20/.35	.80/1.10	-	-	.15/.35	100/115	85/100	183/241	90/98B	60
86L20	.18/.23	.70/.90	.035	.040	.20/.35	.40/.60	.40/.70	.15/.25	.15/.35	90/105	65/80	179/235	89/97B	92
E.T.D.150	.40/.48	.75/1.00	.035	.040	.20/.35	.80/1.10	-	.15/.25	-	150 Min.	130 Min.	302 Min.	32C	75
52L100	.98/1.10	.25/.45	.025	.025	.20/.35	1.30/1.60	-	-	.15/.35	100/115	80/95	183/241	90/98B	52

### ALLOYS – HOT ROLLED

Grade	C	Mn.	P (Max)	S (Max)	Si	CR	Ni	Mo	Pb	Tensile Strength	Yield Strength	Hardness		Machinability % of B-1112  CD
												Brinell	Rockwell	
41L50	.48/.53	.75/1.00	.035	.040	.20/.35	.80/1.10	-	.15/.25	.15/.35	90/105	65/75	185/215	92/96B	80
6150	.48/.53	.70/.90	.035	.040	.20/.35	.80/1.10	-	-	-	95/110	75/85	200/230	14/21C	50
86L20	.18/.23	.70/.90	.035	.040	.20/.35	.40/.60	.40/.70	.15/.25	.15/.35	80/95	55/65	160/200	85/95B	88

## CARBON – COLD DRAWN

Grade	Chemical Analysis					Tensile Strength	Yield Strength PSI (1000)	Hardness		Machinability % of B-1112  CD
	C	Mn.	P (Max)	S (Max)	Pb.			Brinell	Rockwell	
1018	.15/.20	.60/.90	.04	.05	-	64	54	126	72B	70
1045	.43/.50	.60/.90	.04	.05	-	91	77	179	89B	55
1215	.09 (Max)	.75/.1.05	.04/.09	.26/.35	-	78	60	167	86B	135
12L14	.15 (Max)	.85/1.15	.04/.09	.26/.35	.15/.35	78	60	163	85B	160
Lead X	.09 (Max)	.85/1.15	.04/.09	.26/.35	.15/.35 + Tellurium	78	60	163	85B	290
1117	.14/.20	1.0/1.30	.04	.08/.13	-	69	58	137	76B	90
11L17	.14/.20	1.0/1.30	.04	.08/.13	.15/.35	69	58	137	76B	115
1137	.32/.39	1.35/1.65	.04	.08/.13	-	98	82	197	90B	70
1141	.37/.45	1.35/1.65	.04	.08/.13	-	105	88	212	95B	70
1144	.40/.48	1.35/1.65	.04	.24/.33	-	108	90	217	96B	80
STRESSPROOF	.40/.48	1.35/1.65	.04	.24/.33	-	115	100	255	20/30C	83