

# Alloy Steel

**Size Range:** 10MM – 105MM

**Shapes Available:** Round & Hexagonal

**Grades Available:** Below Mention Grades in the Table



## Features:

- Grain Free Smooth Finish
- Straightened & Aligned Bars available
- Size Precision
- Cost Effective Solution

## Chemical Composition

Grade	C%	Mn%	Si%	P%	S%	Cr% –	Ni%	Mo%	V%	B%
EN-1A	.07/.15	.80/1.20	.10max	.07max	0.20/0.30					
EN-8	.35 – .40	.70/.90	.10/.35	.030max	.030max	–	–	–	–	–
EN-4	.40 – .45	.70/.90	.10/.35	.030max	.030max	–	–	–	–	–
EN-8M	.35 – A5	1.00/1.30	.25max	.030max	.12/.20	–	–	–	–	–
EN-9	.50 – .60	.60/.80	.15/.35	.035max	.020/1.030	–	–	–	–	–

<b>EN-15</b>	.30 – .40	1.30/1.7 0	.101.35	.030ma x	.030max	–	–	–	–	–
<b>EN-15 AM</b>	.30 – .40	1.30/1.7 0	.05/.25	.035ma x	.12/.20	–	–	–	–	–
<b>EN-16</b>	.30 – .40	1.30/1.8 0	.10/.35	.030ma x	.030max	–	–	.20/3 5	–	–
<b>EN-18</b>	.35 – .45	.60/.95	.10/.35	.030ma x	.030max	.85/1.15	–		–	
<b>EN-19</b>	.35 – .45	.50/.80	.10/.35	.030ma x	.030max	.90/1.15 0	–	.20/4 0	–	
<b>EN-24i</b>	.35 – .45	.45/.70	.10/.35	.040ma x	.040max	.90/1.40	1.30/1.8 0	.20/3 5	–	
<b>EN-31</b>	.98 – 1.10	.25/.40	.15/.35	.020ma x	.020max	1.40/1.6 0	–	–	–	
<b>EN-32B</b>	10 – .18	.60/1.00	.10max	.035ma x	.035max	–	–	–	–	
<b>EN-45</b>	.55 – .65	.70/1.00	1.50/2.0 0	.035ma x	.035max	–	–	–	–	–
<b>EN- 353</b>	.20max	.60/1.00	.05/.35	.040ma x	.040max	.75/1.25	1.00/ 1.50	.08/1 5		
	.12 – .18	.40/.60	.15/.35	-15Cr3 .035ma x	.035max	.50/.80	–	–	–	–
<b>31 CrV3</b>	.28 – .35	.40/.60	.25/.40	.035ma x	.035max	.40/.70	–	–	.07/1 2	
	.38 / .44	.60/.90	.10/.35	.035ma x	-40Cr4 .035max	.90/1.20	–	–	–	–
<b>42 CrMo 4</b>	.38/.45	.60/.80	.15/.35	.035ma x	.035max	.90/1.20		.15/3 0	–	–
<b>16Mncr 5</b>	.14/.19	1.00/1.3 0	.15/.35	.035ma x	.035max	.80/1.10	–	–	–	–
<b>20Mncr 5</b>	.17/.22	1.10/1.4 0	.15/.35	.035ma x	.035max	1.00- 1.30	–	–	–	–
<b>20Mn2</b>	.18/.24	1.30/1.7 0	.10/.35	.035ma x	.035max	–			–	–
<b>27M n2</b>	.22 – .32	1.30/1.7 0	.10/.35	.035ma x	.035max	–	–	–	–	–
<b>31 Cr4</b>	.28/.35	.60/.90	.15/.35	.035ma x	.035max	.90/1.20	–	–	–	–

<b>SAE - 1010</b>	.08/.13	.30/.60	.05/.35	.035ma x	.035max	-	-	-	-	-
<b>SAE - 1018</b>	.15/.20	.60/.90	.15/.30	.035ma x	.035max	-	-	-	-	-
<b>SAE - 4042</b>	.42/.50	.75/.90	.15/.35	.035ma x	.035max	-	-	.25/.3 0	-	-
<b>SAE - 4140</b>	.38/.43	.75/1.00	.20/.35	.035ma x	.035max	.90/1.10	-	.15/.2 5	-	-
<b>SAE - 8620</b>	.18/.13	.70/.90	.15/.35	.035ma x	.035max	.40/.60	.40/.70	.15/.2 5	-	-
<b>SAE - 52100 a</b>	.98/1.1 0	.25/.45	.15/.30	.025ma x	.025max	1.30/1.6 0	-	-	-	-
<b>SAE - 1524</b>	.19/.25	1.35/1.6 5	.15/.35	.035ma x	.035max	-	-	-	-	-
<b>SCM - 435</b>	.32/.39	.70/.90	1.30ma x	.035ma x	.035max	.90/1.20	-	.20/.3 0	-	-
<b>10B - 21</b>	.18/.23	.80/1.20	.15/.35	.030ma x	.030max	.020max	-	-	-	.0005 / .003
<b>158 - 25</b>	.19/.25	1.35/1.6 5	.15/.30	.030ma x	.030max	.20max	-	-	-	.0005 / .003
<b>C-20</b>	.15/.25	.60/.90	.05/.035	.035ma x	.035max -.4	-	-	-	-	-
<b>C-50</b>	.45/.55	.60/.90	.15/.35	.035ma x	.035max	-	-	-	-	-
<b>35C8</b>	.33/.38	.70/.90	.15/.25	.035ma x	.035max	-	-	-	-	-