

# MATERIAL CROSS REFERENCE CHART

## Steel

CLASS	USA AISI / SAE	JAPAN JIS	CHINA GB	UK BS	GERMANY DIN	FRANCE NF	RUSSIA ГОСТ	
MANGANESE CHROMIUM STEEL MANGANESE STEEL	1522	SMn420	20Mn2	150M19	20Mn5			
	1534	SMn433	30Mn2 35Mn2	150M36	34Mn5		30Г2 35Г2	
	1541	SMn438	40Mn2	150M36	36Mn5		35Г2 40Г2	
	1541	SMn443	45Mn2				40Г2 45Г2	
	5115	SMnC420	15CrMn		16MnCr5			
	5140	SMnC443	40CrMn					
STRUCTURAL STEEL WITH SPECIFIED HARDENABILITY BAND (H-SHAPE STEEL)	1522H	SMn420H						
		SMn433H						
	1541H	SMn438H						
	1541H	SMn443H						
		SMnC420H						
		SMnC443H						
		SCr415H	15CrH		17Cr3 17CrS3		15X	
	5120H	SCr420H	20Cr1H		17Cr3		20X	
	5130H 5132H	SCr430H		34Cr4 34CrS4	34Cr4 34CrS3	34Cr4 34CrS4	30X	
	5135H	SCr435H		37Cr4 37CrS4	37Cr4 34CrS4	37Cr4 37CrS4	35X	
	5140H	SCr440H	40CrH	41Cr4 41CrS4	41Cr4 41CrS4	41Cr4 41CrS4	40X	
	4118H	SCN415H	15CrMoH		15CrMo5			
		SCM418H			18CrMo4 18CrMoS4			
	4118H	SCM420H	20CrMoH	708H20	18CrMo4			
	4135H 4137H	SCM435H		34CrMo4 34CrMoS4	34CrMo4 34CrMoS4	34CrMo4 34CrMoS4		
	4140H 4142H	SCM440H		42CrMo4 42CrMoS4	42CrMo4 42CrMoS4	42CrMo4 42CrMoS4		
	4145H 4147H	SCM445H						
		SCM822H						
		SNC415H						
		SNC631H						
		SNC815H	12Cr2Ni4H		655H13	15NiCr13		
	8617H 8620H 8622H	SNCM220H	20CrNiMoH		805H17 805H20 805H22	21NiCrMo2	20N CD 2	
	4320H	SNCM420H	20CrNi2MoH			20NiCrMoS6-4		

GRADES	<b>A</b>
LINEUP / INSERTS	<b>B</b>
45° / 70° LEAD	<b>C</b>
75° LEAD	<b>D</b>
90° LEAD	<b>E</b>
HIGH FEED	<b>F</b>
MULTI-FUNCTION	<b>G</b>
SLOT MILLS	<b>H</b>
RADIUS / BALL-NOSE	<b>J</b>
OTHER APPLICATIONS	<b>K</b>
TOOL HOLDING	<b>O</b>
SPARE PARTS	<b>P</b>
<b>TECHNICAL</b>	<b>R</b>
INDEX	<b>T</b>