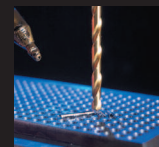
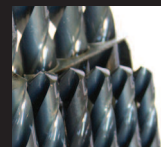


Material Application Chart

Material	Carbon Steel			Alloyed Steels			Steel Drop Forgings Heat Treated			Grey Cast Iron		
Level	Low	Medium	High							Soft	Medium	Hard
Hardness Brinell	85-125	125-175	175-225	<200	200-300	>300	330-370	370-420	>420	85-125	125-175	175-225
Hardness RC	-	1-9	9-22	<16	16-39	>39	35-40	40-44	>44	-	1-9	9-22
SFM	80-95	70-85	45-65	60-90	40-70	20-30	30-40	20-30	10-20	80-95	70-85	45-65

Product Categories - Best / Better / Good Suitability

BRUTE -	Best	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5
	Better												
	Good												
SCREW - MACHINE	Best	1705	1705	1705C	1705	1705C	1705C	1705	1705C	1705C	1705	1705C	1705C
	Better			1705		1705						1705	1705
	Good			2905		2905						2905	2905
JOBBER -	Best	700T	700T	700T	700T	700T	705C	705C	705C	705C	700T	700T	700T
	Better	XG0	XG0	705SP	XG0	705SP					XG0	705SP	705SP
	Good	US5	US5	705P	US5	705P					US5	705P	705P
JOBBER - (METRIC)	Best	708	708	708	708	708					708	XL8	XL8
	Better	XL8	XL8	XL8	XL8	XL8					XL8	708	708
	Good						XL8	XL8	XL8	XL8			
JOBBER - (LEFT HAND)	Best	705LH	705LH	XL5LH	705LH	XL5LH					705LH	XL5LH	XL5LH
	Better	XL5LH	XL5LH	705LH	XL5LH	705LH	XL5LH	XL5LH	XL5LH	XL5LH	XL5LH	705LH	705LH
	Good						705LH	705LH	705LH	705LH			
MECHANICS -	Best	XL28	XL28	XM28	XM28	XM28					XL28	XM28	XM28
	Better						XL28	XL28	XL28	XL28			
	Good						XM28	XM28	XM28	XM28			
3/8 SHANK -	Best	XG38	XG38	XL38	XG38	XL38					XG38	XL38	XL38
	Better	738	738	XG38	738	XG38	738	XL38	XL38	XL38	738	XG38	XG38
	Good			738		738	XG38	XG38	XG38	XG38		738	738
S&D -	Best	XL12	XL12	712C0	XL12	712C0	712C0	712C0	712C0	712C0	XL12	712C0	712C0
	Better	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12
	Good	712	712	US12	712	US12	712	712	712	712	712	US12	US12
TAPER - LENGTH	Best	704	704	704	704	704	704	704	704	704	704	704	704
	Better												
	Good												



Material Application Chart

Material	Titanium			Stainless Steel			Steel		Steel		
Level	T175A	Ti150A-RS120	140A-RC-130B & Ti 6AL 4V	300	400	Matenistic 416, 420, 416 PlusK, 400F, 416SE 440F	Heat Resisting	Nimonic Alloys	Manganese	Spring Steels	Armor Plate
Hardness Brinell	300-440	300-440	300-440	120-220	200-300	135 thru 450	175-225	200-300	125-220	402	200-350
Hardness RC	33-46	33-46	33-46	1-16	16-33	1 thru 47	9-21	16-33	1-21	43	16-37
SFM	50-60	40-50	30-40	20-40	40-70	20 thru 50	10-25	10-20	10-12	15-30	30-40

Product Categories - Best / Better / Good Suitability

BRUTE -	Best	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5	XL5
	Better											
	Good											
SCREW -	Best	1705C	1705C	1705C	1705C	1705C	1705C	1705C	1705C	1705C	1705C	1705C
	Better									1705		
	Good									2905		
JOBBER -	Best	705C	705C	705C	705C	705C	705C	705C	705C	700T	705C	705C
	Better									705SP		
	Good									705P		
JOBBER - (METRIC)	Best									XL8		
	Better									708		
	Good	XL8	XL8	XL8	XL8	XL8	XL8	XL8	XL8		XL8	XL8
JOBBER - (LEFT HAND)	Best						XL5	XL5		XL5LH		
	Better	XL5LH	XL5LH	XL5LH	XL5LH	XL5LH				705LH	XL5LH	XL5LH
	Good	705LH	705LH	705LH	705LH	705LH				705LH	705LH	
MECHANICS -	Best									XM28		
	Better	XL28	XL28	XL28	XL28	XL28	XL28	XL28			XL28	XL28
	Good	XM28	XM28	XM28	XM28	XM28	XM28	XM28			XM28	XM28
3/8 SHANK -	Best									XL38		
	Better	XL38	XL38	XL38	XL38	XL38	XL38	XM38		XG38	XL38	XL38
	Good	XG38	XG38	XG38	XG38	XG38	XL38	XM38		738	XG38	XG38
S&D -	Best	712C0	712C0	712C0	712C0	712C0	712C0	712C0	712C0	XL12	712C0	712C0
	Better	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12	XG12
	Good	712	712	712	712	712	712	712	712	712	712	712
TAPER - LENGTH	Best	704	704	704	704	704	704	704	704	704	704	704
	Better											
	Good											