



N.T. Ruddock Company

Our Abrasives Hold Up Under Pressure™

Abrasive Consumption (LBS/Wheel Hour)

(Approximate)

	S-170	S-280 S-230	S-390 S-330	S-550 S-460	S-660
5 H.P	1.2	2.1	2.7	3.4	3.9
10 H.P	3.5	4.2	5.4	6.9	7.9
15 H.P	4.2	5.6	7.0	8.8	9.0
20 H.P	6.8	8.4	10.0	13.0	14.5
25 H.P	7.6	9.8	12.5	17.0	18.0
30 H.P	9.0	10.4	16.0	20.0	23.0
40 H.P	10.4	16.0	20.0	26.0	30.0
50 H.P	16.0	20.0	25.0	32.0	36.0
60 H.P	18.0	24.0	31.0	39.0	45.0
75 H.P	22.0	27.5	36.0	46.0	52.0
100	28.0	37.5	49.0	61.0	70.0



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WEIGHT PER CUBIC FOOT

SHOT		GRIT	
SIZE	WEIGHT	SIZE	WEIGHT
S-70	302	G-200	229
S-110	304	G-120	233
S-170	300	G-80	239
S-230	297	G-50	260
S-280	297	G-40	258
S-330	299	G-25	260
S-390	292	G-18	263
S-460	288	G-16	268
S-550	289	G-14	271
S-660	289	G-12	270
S-780	282	G-10	260

7/17/17



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THE EFFECT OF ABRASIVE SIZE ON IMPACT AND COVERAGE

SHOT SIZE	PELLETS PER ROUND	REALTIVE IMPACT VALUE
780	8,000	800
660	14,000	500
550	26,000	300
460	45,000	165
390	65,000	100
330	110,000	60
280	210,000	36
230	360,000	22
170	520,000	12
110	1,700,000	5
70	6,000,000	1

RELATIVE IMPACT VALUES

FROM S-780 to S-280:

ADJACENT SIZES (660 vs 550, 390 vs 330, etc.)

LARGER SIZE - TWO THIRDS MORE IMPACT

SMALLER SIZE - HALF AS MUCH IMPACT

TWO SIZES APART (660 vs 460, 390 vs 280, etc.)

LARGER SIZE - THREE TIMES MORE IMPACT

SMALLER SIZE - ONE THIRD AS MUCH IMPACT

FROM S-230 to S-70:

230 vs 170 - 230 has 80% MORE IMPACT

230 vs 110 - 230 has FOUR TIMES MORE IMPACT

170 vs 110 - 170 has 2 1/2 TIMRES MORE IMPACT

170 vs 70 - 170 has 12 TIMES MORE IMPACT

110 vs 70 - 110 has 5 TIMES MORE IMPACT



N.T. Ruddock Company
Sales & Service Since 1951

Work mix start up blends

STEEL SHOT

STARTING SIZE

	660	550	460	390	330	280	230	170	110
660	50%								
550	50%	50%							
460		50%	50%						
390			50%	50%					
330				50%	50%				
280					30%	50%			
230					20%	30%	50%		
170						20%	30%	50%	
110							20%	30%	70%
70								20%	30%

Work mix start up blends

STEEL GRIT

STARTING SIZE

	G18	G25	G40	G50	G80
G18	60%				
G25	40%	60%			
G40		40%	60%		
G50			40%	70%	
G80				30%	N/A



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NUMBER OF CUBIC FEET PER 50 POUNDS OF MATERIAL

<u>Material</u>	<u>Cubic Feet</u>
Grit-O'Cobs 2040	2.08
Grit-O'Cobs 1014	1.79
Lite-R-Cobs 2030	4.17
Walnut Shells	1.27
#4 Glass beads	0.56
#7 Dry Sand	0.53
Aluminum Oxide	0.83
#4 Steel Grit	0.23

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N.T. Ruddock Company Mission Statement

The N.T. Ruddock Company was founded in 1951 by Neil Ruddock on the values of hard work, integrity and innovation. The Ruddock Company is a leading distributor in the abrasive finishing and blasting industry, as well as in the metal and alloy industry. We are dedicated to providing quality customer support through technical assistance, a diagnostic approach to solving customer needs and timely deliveries. We continue to strive to be the industry's leading company in blasting abrasives and metals.

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