

MOUNTED POINTS

SHANK $\phi 6.0$
10 pcs./pack GC V M GREEN

30,000 min⁻¹ 25,000 min⁻¹ 60,000 min⁻¹ 30,000 min⁻¹

SHANK $\phi 6.0$
10 pcs./pack A-WA B Q BROWN

102,000 min⁻¹ 90,000 min⁻¹ 81,000 min⁻¹ 66,000 min⁻¹ 55,000 min⁻¹ 40,000 min⁻¹ 30,000 min⁻¹ 25,000 min⁻¹

SHANK $\phi 6.0$
10 pcs./pack A B Q BLACK

102,000 min⁻¹ 90,000 min⁻¹ 81,000 min⁻¹ 66,000 min⁻¹ 55,000 min⁻¹ 40,000 min⁻¹ 30,000 min⁻¹ 25,000 min⁻¹

Grinding disk for metal grinding, slitting and cutting. Can easily be attached to mandrels (P.29)
*Mandrel is purchased separately.

SHANK $\phi 6.0$
10 pcs./pack WA

15,000 min⁻¹ 13,000 min⁻¹ 8,000 min⁻¹

SHANK $\phi 6.0$
20 pcs./pack GC Center Hole Diameter $\phi 1.8$ mm

15,000 min⁻¹

SHANK $\phi 2.34$
18 pcs./pack Assorted Set

43401			
Set (18 pieces) (Each code No. one piece-pack)			
WA		GC	
#80 42011	#80 42020	#100 42101	
#80 42012	#120 42047	#100 42102	
#80 42013	#120 42048	#100 42103	
#80 42014	#120 42050	#100 42104	
#80 42016	#120 42051	#100 42108	
#80 42018		#100 42110	

SHANK $\phi 3.0$
18 pcs./pack Assorted Set

43405			
Set (18 pieces) (Each code No. one piece-pack)			
WA		PA	
#80 42421	#90 42428	#120 42484	
#80 42422	#80 42430	#120 42485	
#80 42423	#80 42454	#120 42486	
#80 42424	#80 42455	#120 42487	
#80 42425	#80 42456	#120 42488	
#80 42427		#120 42489	
		#120 42490	

SHANK $\phi 3.0$
15 pcs./pack Assorted Set

43410			
Set (15 pieces) (Each code No. one piece-pack)			
PAW		PA	
#320 42612	#120 42616	#60 42631	
#220 42613	#120 42617	#60 42632	
#120 42614	#120 42618	#60 42633	
#120 42615	#120 42619	#60 42634	
		#60 42635	
		#60 42636	
		#60 42637	

SHANK $\phi 3.0$
12 pcs./pack Assorted Set

43415			
Set (12 pieces) (Each code No. one piece-pack)			
GC			
#100 42681	#100 42688		
#100 42682	#100 42690		
#100 42683	#100 42692		
#100 42684	#100 42694		
#100 42685	#100 42695		
#100 42687	#100 42696		

RUBBERIZED ABRASIVES

SHANK $\phi 1.6$
10 pcs./pack WA Silicon Polisher

1.6 mm shank diameter series. Short type for high-speed rotation. Ideal for grinding very small parts.

SHANK $\phi 1.6$
10 pcs./pack WA Silicon Polisher

30,000 min⁻¹

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Soft

SHANK $\phi 2.34$
10 pcs./pack WA GC Green Polisher

2.34 mm shank diameter series. Perfect for precision finishing and deburring.

SHANK $\phi 2.34$
10 pcs./pack WA GC Green Polisher

30,000 min⁻¹ 20,000 min⁻¹ 15,000 min⁻¹ 8,000 min⁻¹ 30,000 min⁻¹ 20,000 min⁻¹ 8,000 min⁻¹

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Medium

Grit	Color	#120 (GC) Green	#120 (WA) Green	#320 (WA) Green
#120	Green	46111	46115	46121
#220	Green	46116	46122	46125
#320	Green	46117	46123	46127
#400	Green	46118	46124	46128
#500	Green	46119	46125	46129
#600	Green	46120	46126	46130
#800	Green	46121	46127	46131
#1000	Green	46122	46128	46132
#1200	Green	46123	46129	46133
#1500	Green	46124	46130	46134
#2000	Green	46125	46131	46135
#2500	Green	46126	46132	46136
#3000	Green	46127	46133	46137
#4000	Green	46128	46134	46138
#5000	Green	46129	46135	46139
#6000	Green	46130	46136	46140
#8000	Green	46131	46137	46141
#10000	Green	46132	46138	46142
#12000	Green	46133	46139	46143
#15000	Green	46134	46140	46144
#20000	Green	46135	46141	46145
#25000	Green	46136	46142	46146
#30000	Green	46137	46143	46147
#40000	Green	46138	46144	46148
#50000	Green	46139	46145	46149
#60000	Green	46140	46146	46150
#80000	Green	46141	46147	46151
#100000	Green	46142	46148	46152
#120000	Green	46143	46149	46153
#150000	Green	46144	46150	46154
#200000	Green	46145	46151	46155
#250000	Green	46146	46152	46156
#300000	Green	46147	46153	46157
#400000	Green	46148	46154	46158
#500000	Green	46149	46155	46159
#600000	Green	46150	46156	46160
#800000	Green	46151	46157	46161
#1000000	Green	46152	46158	46162
#1200000	Green	46153	46159	46163
#1500000	Green	46154	46160	46164
#2000000	Green	46155	46161	46165
#2500000	Green	46156	46162	46166
#3000000	Green	46157	46163	46167
#4000000	Green	46158	46164	46168
#5000000	Green	46159	46165	46169
#6000000	Green	46160	46166	46170
#8000000	Green	46161	46167	46171
#10000000	Green	46162	46168	46172
#12000000	Green	46163	46169	46173
#15000000	Green	46164	46170	46174
#20000000	Green	46165	46171	46175
#25000000	Green	46166	46172	46176
#30000000	Green	46167	46173	46177
#40000000	Green	46168	46174	46178
#50000000	Green	46169	46175	46179
#60000000	Green	46170	46176	46180
#80000000	Green	46171	46177	46181
#100000000	Green	46172	46178	46182
#120000000	Green	46173	46179	46183
#150000000	Green	46174	46180	46184
#200000000	Green	46175	46181	46185
#250000000	Green	46176	46182	46186
#300000000	Green	46177	46183	46187
#400000000	Green	46178	46184	46188
#500000000	Green	46179	46185	46189
#600000000	Green	46180	46186	46190
#800000000	Green	46181	46187	46191
#1000000000	Green	46182	46188	46192
#1200000000	Green	46183	46189	46193
#1500000000	Green	46184	46190	46194
#2000000000	Green	46185	46191	46195
#2500000000	Green	46186	46192	46196
#3000000000	Green	46187	46193	46197
#4000000000	Green	46188	46194	46198
#5000000000	Green	46189	46195	46199
#6000000000	Green	46190	46196	46200
#8000000000	Green	46191	46197	46201
#10000000000	Green	46192	46198	46202
#12000000000	Green	46193	46199	46203
#15000000000	Green	46194	46200	46204
#20000000000	Green	46195	46201	46205
#25000000000	Green	46196	46202	46206
#30000000000	Green	46197	46203	46207
#40000000000	Green	46198	46204	46208
#50000000000	Green	46199	46205	46209
#60000000000	Green	46200	46206	46210

SHANK $\phi 2.34$
10 pcs./pack WA Silicon Polisher

20,000 min⁻¹ 15,000 min⁻¹ 15,000 min⁻¹ 30,000 min⁻¹

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Soft

Grit	Color	#120	#220	#320	#500	#1000	#2000
#120	Gray	46315	46316	46322	46326	46331	46342
#220	Brown	46312	46316	46322	46326	46331	46342
#320	Dark Brown	*46311				*46344	*46348
#500	Green	46313	46323	46327		46343	46347
#1000	Blue	*46314				*46345	*46349

* 46344, 46345, 46348, 46349 is diameter $\phi 12$.
* 48344, 48345, 48348, 48349 is Total Length 42mm.
* 46311, 46314 is Total Length 50mm.

SHANK $\phi 2.34$
10 pcs./pack WA High Shine Polisher

24,000 min⁻¹ 15,000 min⁻¹ 24,000 min⁻¹ 20,000 min⁻¹ 24,000 min⁻¹ 24,000 min⁻¹

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Hard

Grit	Color	#120	#220	#320	#500
#120	Blue	46211	46215	46221	46225
#220	Violet	46212	46216	46222	46226
#320	Brown	46213	46217	46223	46227
#500	Brown	46214	46218	46224	46228
#1000	Brown	46215	46219	46225	46229
#2000	Brown	46216	46220	46226	46230
#3000	Brown	46217	46221	46227	46231
#4000	Brown	46218	46222	46228	46232
#5000	Brown	46219	46223	46229	46233
#6000	Brown	46220	46224	46230	46234
#8000	Brown	46221	46225	46231	46235
#10000	Brown	46222	46226	46232	46236
#12000	Brown	46223	46227	46233	46237
#15000	Brown	46224	46228	46234	46238
#20000	Brown	46225	46229	46235	46239
#25000	Brown	46226	46230	46236	46240
#30000	Brown	46227	46231	46237	46241
#40000	Brown	46228	46232	46238	46242
#50000	Brown	46229	46233	46239	46243
#60000	Brown	46230	46234	46240	46244
#80000	Brown	46231	46235	46241	46245
#100000	Brown	46232	46236	46242	46246
#120000	Brown	46233	46237	46243	46247
#150000	Brown	46234	46238	46244	46248
#200000	Brown	46235	46239	46245	46249
#250000	Brown	46236	46240	46246	46250
#300000	Brown	46237	46241	46247	46251
#400000	Brown	46238	46242	46248	46252
#500000	Brown	46239	46243	46249	46253
#600000	Brown	46240	46244	46250	46254
#800000	Brown	46241	46245	46251	46255
#1000000	Brown	46242	46246	46252	46256
#1200000	Brown	46243	46247	46253	46257
#1500000	Brown	46244	46248	46254	46258
#2000000	Brown	46245	46249	46255	46259
#2500000	Brown	46246	46250	46256	46260
#3000000	Brown	46247	46251	46257	46261
#4000000	Brown	46248	46252	46258	46262
#5000000	Brown	46249	46253	46259	46263
#6000000	Brown	46250	46254	46260	46264
#8000000	Brown	46251	46255	46261	46265
#10000000	Brown	46252	46256	46262	46266
#12000000	Brown	46253	46257	46263	46267
#15000000	Brown	46254	46258	46264	46268
#20000000	Brown	46255	46259	46265	46269
#25000000	Brown	46256	46260	46266	46270
#30000000	Brown	46257	46261	46267	46271
#40000000	Brown	46258	46262	46268	46272
#50000000	Brown	46259	46263	46269	46273
#60000000					

RUBBERIZED ABRASIVES

SHANK 3.0
10 pcs./pack WA GC Green Polisher

Abrasive Power: ★★★★★☆
Grinding Power: ★★★★★☆
Rubber Hardness: Medium

Grit	Color	46721	46731	46741	46751	46761	46771
#150 (GC)	Green	46721	46731	46741	46751	46761	46771
#220 (WA)	Green	46722	46732	46742	46752	46762	46772
#320 (WA)	Green	46724	46734	46744	46754	46764	46774
#400 (WA)	Green	46723	46733	46743	46753	46763	46773

SHANK 3.0
10 pcs./pack WA High Shine Polisher

Abrasive Power: ★★★★★☆
Grinding Power: ★★★★★☆
Rubber Hardness: Hard

Grit	Color	46802	46812	46822	46832
#120	Blue	46802	46812	46822	46832
#220	Green	46805	46815	46825	46835
#320	Violet	46803	46813	46823	46833
#500	Brown	46804	46814	46824	46834

SHANK 3.0
10 pcs./pack WA Green Polisher

Abrasive Power: ★★★★★☆
Grinding Power: ★★★★★☆
Rubber Hardness: Medium

Grit	Color	46861	46871
#120	Green	46861	46871
#180	Green	46862	46872
#320	Green	46863	46873
#400	Green	46864	46874

SHANK 3.0
10 pcs./pack WA Long Reach Power Polisher

Abrasive Power: ★★★★★☆
Grinding Power: ★★★★★☆
Rubber Hardness: Medium

Grit	Color	46901	46911	46921	46931
#80	Red	46901	46911	46921	46931
#120	Dark Green	46902	46912	46922	46932
#180	Olive	46903	46913	46923	46933
#220	Green	46904	46914	46924	46934
#320	Brown	46905	46915	46925	46935

SHANK 3.0
10 pcs./pack WA Special Rubber Grindstone For High-Speed Rotation (For 60,000min⁻¹)

Special rubber grindstones for high speed rotation. Useful for grinding and polishing with IMPULSE & ESPERT 500 (Both Nakanishi Micro-grinder Series) because of long durability at high speeds of 60,000min⁻¹.

- Micro Air Grinder "IMPULSE".....Max. Speed: 60,000min⁻¹
- Brushless Micro-Grinder "ESPERT 500".....Max. Speed: 50,000min⁻¹

Abrasive Power: ★★★★★☆
Grinding Power: ★★★★★☆
Rubber Hardness: Medium

Grit	Color	46951	46956	46961	46966
#80	Brown	46951	46956	46961	46966
#120	Black	46952	46957	46962	46967
#220	Red	46953	46958	46963	46968
#320	Violet	46954	46959	46964	46969

RUBBERIZED ABRASIVES

Spiral abrasive rubber disk for finishing. Useful for efficient finishing because of the spiral shape. These tools can be used with mandrels (37011,37051,37052,47042,47043,47044). Please use a mandrel of suitable size.

SHANK 3.0
10 pcs./pack

Grit	Color	47001	47011	47021
#120	White	47001	47011	47021
#220	Brown	47002	47012	47022
#400	Blue	47003	47013	47023
#600	Pink	47004	47014	47024
#800	Beige	47005	47015	
#1000	Green	47006	47016	

Assorted Set: 47009 (Set 12 pieces), 47019 (Set 12 pieces), 47029 (Set 8 pieces)

SHANK 3.0
5 pcs./pack

Grit	Color	47031	47032	47033	47034	47035	47036	47037
#80	Yellow	47031	47032	47033	47034	47035	47036	47037
#120	White							
#220	Brown							
#400	Blue							
#600	Pink							
#800	Beige							
#1000	Green							

Assorted Set: 47039 (Set 7 pieces)

SHANK 6.0
10 pcs./pack, 3 pcs./pack, 1 pc./pack

Assorted Set: 37011, 37051, 37052, 47042, 47043, 47044

6.0 mm shank diameter series. Easy to use rubber grindstone's feature low noise levels and because of increased pliability produce very fine surface finishes.

SHANK 6.0
10 pcs./pack WA Power Polisher

Abrasive Power: ★★★★★☆
Grinding Power: ★★★★★☆
Rubber Hardness: Medium

Grit	Color	47501	47511	47521	47531
#80	Red	47501	47511	47521	47531
#120	Dark Green	47502	47512	47522	47532
#220	Green	47503	47513	47523	47533
#320	Brown	47504	47514	47524	47534

RUBBERIZED ABRASIVES

SHANK $\phi 6.0$
10 pcs./pack WA Green Polisher

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Medium

Grit	Color	47551	47561	47571	47581
#120	Green	47551	47561	47571	47581
#220	Green	47552	47562	* 47572	47582
#320	Green	47553	47563	47573	47583
#400	Green	47554	47564	* 47574	47584

*47572, 47574 is Total Length 60mm.

SHANK $\phi 6.0$
10 pcs./pack WA High Shine Polisher

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Hard

Grit	Color	47601	47611	47621	47631
#80	Red	47601	47611	47621	47631
#120	Blue	47602	47612	47622	47632
#220	Green	47603	47613	47623	47633
#320	Violet	47604	47614	47624	47634
#500	Brown	47605	47615	47625	47635

SHANK $\phi 2.34$
3 pcs./pack

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Soft

Grit	Color	47751	47752	47753	47754
#120	Black	47751	47752	47753	47754

SHANK $\phi 6.0$
10 pcs./pack WA Silicon Wheel Rubber Grindstone

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Soft

Grit	Color	47804	47805	47806	47807
#120	Black	47804	47805	47806	47807
#180	Gray	47805	47806	47807	
#320	Brown	47802	47806	47808	
#500	Dark Brown	47808			
#800	Green	47803	47807		

SHANK $\phi 6.0$
10 pcs./pack WA Green Wheel Rubber Grindstone

Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Medium

Grit	Color	47841	47851	47861	47871
#120	Green	47841	47851	47861	47871
#220	Green	47842	47852	47862	47872
#320	Green	47843	47853	47863	47873

*Use after attaching to mandrel P.36 (No. 37011~37051).
*Mandrel needs to be purchased separately.

SHANK $\phi 2.34$
12 pcs./pack Abrasive Rubber Point Assortment Set

47901
Set (12 pieces) (Each code No. one piece-pack)

Green Polisher (#220)	High Shine Polisher (#320)	Silicon Polisher (#500)
46112	46212	46312
46122	46216	46316
46152	46232	46342
46156	46236	46346

SHANK $\phi 3.0$
12 pcs./pack Abrasive Rubber Point Assortment Set

47905
Set (12 pieces) (Each code No. one piece-pack)

Power Polisher (#180)	Green Polisher (#150)	High Shine Polisher (#320)
46623	46741	46803
46633	46751	46813
46643	46761	46823
46653	46771	46833

FLAP WHEELS



SHANK $\phi 2.34$
10 pcs./pack

Grit	Color	48701	48711
#180	Brown	48701	48711

SHANK $\phi 3.0$

5 pcs./pack 5 pcs./pack 10 pcs./pack 10 pcs./pack

Grit	Color	48681	48691	48704	48714
#120	Red Brown	48681	48691	48704	48714
#180	Brown	48682	48692	48705	48715
#320	Red Brown	48683	48693	48706	48716
#400	Green	48684	48694	48708	48718
#600	Gray	48685	48695	48707	48717

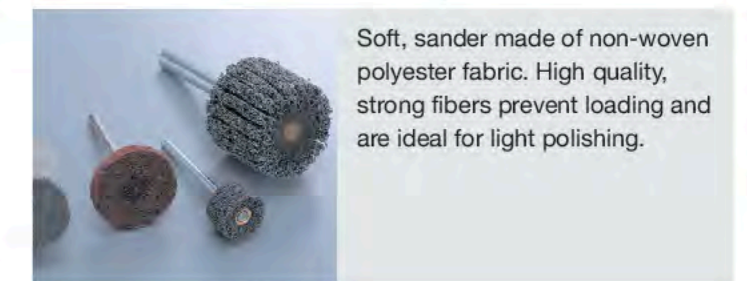
SHANK $\phi 6.0$
3 pcs./pack 10 pcs./pack

Grit	Color	48724	48731	48725	48732	48726	48733	48728	48734	48727	48735
#120	Red Brown	48724	48731	48725	48732	48726	48733	48728	48734	48727	48735
#180	Brown										
#320	Red Brown										
#400	Green										
#600	Gray										

*Use after attaching to mandrel P.29.
*Mandrel needs to be purchased separately.

SHANK $\phi 6.0$
3 pcs./pack

Grit	Color	48744	48754	48745	48755	48747	48757
#120	Red Brown	48744	48754	48745	48755	48747	48757
#180	Brown						
#320	Red Brown						



SHANK $\phi 3.0$
3 pcs./pack ⚠ Need to be used dry. (Do not use water or grinding solution)

Grit	48783	48793	48803	48813
#120	48783	48793	48803	48813
#240	48785	48795	48805	48815
#400	48786	48796	48806	48816
#600	48787	48797	48807	48817

SHANK $\phi 6.0$
3 pcs./pack ⚠ Need to be used dry. (Do not use water or grinding solution)

Grit	48823	48833	48843
#120	48823	48833	48843
#240	48825	48835	48845
#400	48826	48836	48846
#600	48827	48837	48847

Diamond / CBN
Carbide Cutters
Specialty Tools
Mounted Points
Rubberized Abrasives
Flap Wheels
Polishing Brushes
Felt Bobs
Abrasive Compounds & Polishing Tools
NSK Exclusive Tools

Diamond / CBN
Carbide Cutters
Specialty Tools
Mounted Points
Rubberized Abrasives
Flap Wheels
Polishing Brushes
Felt Bobs
Abrasive Compounds & Polishing Tools
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