

Depressed Center Wheel



【Applications】

- Deburring cast iron and others.
- Smoothing weld seams of a wide variety of steels (structural steel, and stainless steel, etc).

【Features & Benefits】

- Super Zircon / Zircon :
 - Offers superior cutting ability and enhanced long wheel life by employing zirconia abrasives.
- Zircon Ace :
 - Offers excellent cutting ability and long wheel life by employing zirconia abrasives.
 - Designed to more readily conform to work surfaces than "Super Zircon", and "Zircon".

(* L : Large box, S : Small box, Q : Quantity)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Grade				M.O.S.	Packing L (S x Q)*	Remarks
			N	O	P	Q			
Super Zircon (SZN)	100×6×15	24	—	—	BD8001	BD8002	72	200(25×8)	
		36	—	—	BD8003	BD8004	72	200(25×8)	
Zircon (ZN)	125×6×22	24	—	—	—	BD8005	72	100(25×4)	
	180×6×22	24	—	BD8006	BD8007	BD8008	72	50(25×2)	
		36	—	BD8009	BD8010	BD8010	72	50(25×2)	
Zircon (for high speed) (ZN)	180×6×22.23	24	—	BD8011	BD8012	BD8013	80	50(25×2)	
Zircon Ace (ZNA)	100×6×15	24	—	—	BD8021	BD8022	72	200(25×8)	
		36	—	—	BD8023	BD8024	72	200(25×8)	
	180×6×22	24	BD8025	BD8026	BD8027	BD8028	72	50(25×2)	
		36	—	—	—	BD8029	72	50(25×2)	
Zircon Ace (for high speed) (ZNA)	180×6×22.23	24	—	BD8030	BD8031	BD8032	80	50(25×2)	
		36	—	—	BD8033	—	80	50(25×2)	Made-to-order



【Applications】

- Deburring cast iron and others.
- Smoothing weld seams of a wide variety of steels (structural steel, and stainless steel, etc.).

【Features & Benefits】

- A/WA :
 - Standard type depressed center wheel, having good grinding performance for structural steel.
- For Stainless Steel :
 - Provides enhanced cutting ability for stainless steel by employing optimal abrasives.

(* L : Large box, S : Small box, Q : Quantity)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Grade		M.O.S.	Packing L (S x Q)*	Remarks
			P	Q			
A/WA (A/WA)	100×4×15	24	BD3220	—	72	200(25×8)	
		36	BD3230	—	72	200(25×8)	
	100×6×15	24	BD2570	BD2580	72	200(25×8)	
		36	BD2590	BD2600	72	200(25×8)	
	125×6×22	24	BD2630	—	72	100(25×4)	
		36	BD2640	—	72	100(25×4)	
	150×6×22	24	BD2650	—	72	100(10×10)	
		36	BD2660	—	72	100(10×10)	
180×6×22	24	BD2610	—	72	50(10×5)		
	36	BD2620	—	72	50(10×5)		
A/WA (for high speed) (A/WA)	180×6×22.23	24	BD5010	—	80	50(10×5)	
		36	BD5020	—	80	50(10×5)	

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	M.O.S.	Packing L (S x Q)*	Remarks
For stainless steel (For stainless steel)	100×6×15	24	BD4010	72	200(25×8)	
		36	BD4020	72	200(25×8)	
	180×6×22	24	BD4030	72	50(10×5)	
		36	BD4040	72	50(10×5)	

Depressed Center Wheel

Flexible Depressed Center Wheel

Cutting-off Wheel

Coated Abrasives/ Non-Woven Abrasives

Alumina Fiber Stones

Mounted Wheel

Straight Wheel

Other Shapes

Diamond /CBN Wheel

Truing & Dressing Tools

Grinding & Cutting Fluids

Filter

Safety Products

Flexible Depressed Center Wheel

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【Applications】

- Deburring, smoothing, and surface finishing weld seams of structural steel and stainless steel.

【Features & Benefits】

- Gold Tentomushi Touch :
 - High performance SG (*) abrasives allow for superior cutting ability and longer wheel life than standard wheels, which contributes to higher productivity.
- Silver Tentomushi Touch :
 - High performance SG (*) abrasives allow for excellent cutting ability and longer wheel life than standard wheels.
 - Provides a wide range of grit size (36 to 120).
- Tentomushi Touch :
 - Standard flexible depressed center wheel, having optimal flexibility.
 - Offers good grinding performance and great surface finish.
- Tentomushi Touch Soft :
 - More flexible than standard flexible depressed center wheels, which contributes to control broad work surfaces on thin steel, so that this wheel offers good surface finishes.
 - By employing high performance abrasives, this wheel offers good cutting ability, which helps minimize burn marks on surfaces of stainless steel and structural steel. (*Seeded gel-ceramic aluminum oxide)

M.O.S.: 72 m/s (Packing) Large box (Small box x Quantity) : O.D.:100mm 200(20×10), O.D.:180mm 50(10×5)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Remarks
Gold Tentomushi Touch (SGF)	100×3×15	36	BF1035	
		46	BF1036	
	100×2×15	60	BF1037	
Silver Tentomushi Touch (SGS)	100×3×15	36	BF1019	
		46	BF1020	
	100×2×15	60	BF1021	
		80	BF1022	
		100	BF1023	
Tentomushi Touch (NFS)	100×3×15	46	BF1002	
		60	BF1003	
		80	BF1004	
	100×2×15	100	BF1005	
		120	BF1006	
		150	BF1007	
		100×3×16	36	BF1009
46	BF1010			
60	BF1011			
80	BF1012			
100	BF1013			
180×3×22	120	BF1014	Made-to-order	
	36	BF0050	Made-to-order	
	46	BF0100		
	60	BF0120		
180×2.5×22	80	BF0160		
	120	BF0170	Made-to-order	
	60	BF2043	Made-to-order	
Tentomushi Touch Soft (HA)	100×2×15	80	BF2044	
		100	BF2045	Made-to-order



【Applications】

- Deburring, smoothing, and surface finishing weld seams of structural steel and stainless steel.

【Features & Benefits】

- Powerful Tentomushi Z36 :
 - A combination of "tapered shape" and "deep and wide groove" brings excellent grinding performance and keeps excellent cutting ability.
 - Helps promote more efficient operations than ever before.
- Super Tentomushi :
 - Readily conforms to work surface due to higher flexibility than conventional depressed center wheels.
 - Offers great grinding performance and good surface finish for a wide variety of steels (structural steel, and stainless steel, etc).
 - No pad required.

M.O.S.: 72 m/s (Packing) Large box (Small box x Quantity) : 200(25×8)

Item name	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Remarks
Powerful Tentomushi Z36	100×4×15	36	BF9001	
Super Tentomushi		36	BF9111	
	46	BF9112	Made-to-order	
	60	BF9113		
	80	BF9114		
	100	BF9115	Made-to-order	
	120	BF9116		



【Applications】

- Deburring, smoothing, and surface finishing weld seams of structural steel and stainless steel.

【Features & Benefits】

- Perforated Tentomushi:
 - Advanced perforated design (Eight through-holes in the wheel).
 - Provides a complete view into the grinding area while grinding.
 - Allows for more air flow in the grinding area, which contributes to a cooler cutting action.
- Perforated Tentomushi Tsuyoshi:
 - Longer wheel life than "Perforated Tentomushi".

M.O.S.: 72 m/s (Packing) Large box (Small box x Quantity) : 200(20×10)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Remarks
Perforated Tentomushi (NFT)	100×2×15	60	BF2011	
		80	BF2012	
		120	BF2014	Made-to-order
Perforated Tentomushi Tsuyoshi (NFTT)	100×2×15	60	BF2021	
		80	BF2022	Made-to-order

Cutting-off Wheel



【Applications】

- K-Cut Mukade Ichijin :
 - Cutting off thin steel sheet, corrugated sheet, small diameter round bar, and thin stainless steel sheet.
- K-Cut Mukade Shogun :
 - Cutting off structural steel, stainless steel, and small diameter round bar, etc.

【Features & Benefits】

- K-Cut Mukade Ichijin :
 - Achieve excellent cutting results at high cutting speed due to ultra-thin type (1.0mm - 1.7mm thick).
 - Offers less grinding burn and less burr.
- K-Cut Mukade Shogun :
 - Offers excellent cutting ability and long wheel life by employing zirconia abrasives and advanced bond system.

M.O.S.: 80 m/s (* L : Large box, S : Small box, Q : Quantity)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Packing L (S x Q)*	Remarks
K-Cut Mukade Ichijin (Z)	105×1.0×15	60	BC0520	200(10×20)	
	105×1.6×15	36	BC0530	200(10×20)	
	125×1.4×22	46	BC0650	100(10×10)	
	150×1.5×22	46	BC0660	100(10×10)	
	180×1.7×22	46	BC0670	50(10×5)	
K-Cut Mukade Shogun (Z)	105×2.5×15	36	BC0540	200(10×20)	
	150×2.3×22	36	BC0560	100(10×10)	
	180×2.3×22	36	BC0570	50(10×5)	
	205×2.3×22	36	BC0580	50(10×5)	
	305×2.3×25.4	36	BC0300	20(10×2)	for LGS
355×3.0×25.4	36	BC0311	20(10×2)	for LGS	



【Applications】

- Cutting off light-gauge steel, thin steel sheet, small diameter round bar, pipe, etc.

【Features & Benefits】

- SG Cut :(*1:Seeded gel-ceramic aluminum oxide)
 - Offers superior cutting ability and long wheel life by employing SG(*1) abrasives.
- Super Zircon Cut :
 - Offers great cutting ability and long wheel life due to Zirconia abrasives combined with 1.7mm wheel thick.

M.O.S.: 80 m/s (* L : Large box, S : Small box, Q : Quantity)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Packing L (S x Q)*	Remarks
SG Cut (SG)	105×2.5×15	36	SGC001	200(10×20)	
Super Zircon Cut (SZN)	105×1.7×15	36	BC8001	200(10×20)	



【Applications】

- K-Cut G type :
 - Cutting off structural steel (angle, channel, and pipe, etc).
- K-Cut S type :
 - Cutting off gauge steel (pipe, tube, bar, etc) made from stainless steel, cast iron, and structural steel, etc.

【Features & Benefits】

- K-Cut G type :
 - Standard cut-off wheel designed for cutting a wide variety of structural steels.
- K-Cut S type :
 - Suited for cutting off gauge or alloy steel by employing high performance abrasives and our own manufacturing method.

M.O.S. O.D.: Less than 355 mm: 72 m/s, More than 405 mm: 63 m/s

(* L : Large box, S : Small box, Q : Quantity)

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Packing L (S x Q)*	Remarks
K-Cut G type (A)	100×2×15	46	BC0030	200(10×20)	
	125×2×22	46	BC0080	200(10×20)	
	150×2×22	46	BC0060	100(10×10)	
	180×2×22	46	BC0040	100(10×10)	
	205×2×22	46	BC0100	100(10×10)	
	305×2.6×25.4	46	BC0220	25	
	355×3×25.4	36	BC0230	25	
	405×3×25.4	30	BC0240	25	
	455×3.5×25.4	36	BC0120	20	
	K-Cut S type (A/WA)	305×2.6×25.4	36	BC0610	25
355×3×25.4		36	BC0620	25	
405×3×25.4		36	BC0460	25	



【Applications】

- Cutting off structural steel (angle, channel, and pipe, etc).

【Features & Benefits】

- Offers great cutting ability with low pressure and long wheel life by employing zirconia abrasives.

M.O.S.: 63m/s

Item name (Abrasive)	Size (mm) (O.D. x Thk. x Hole)	Grit size	Item No.	Packing	Remarks
Zircon Cut (ZN)	405×3×25.4	30	BC8002	25	

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