

MEDIA & COMPOUNDS

バレル研磨用
研磨石・コンパウンド | **総合カタログ**

ABRASIVE MEDIA • COMPOUND FOR BARREL FINISHING



•INQUIRIES

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COMPOUNDS	8	● Powder Compound
	8	● Liquid Compound
	10	● ECO Compound
	10	Rust Inhibitor

Tipton · Abrasive Media

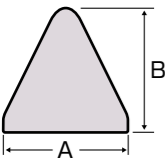
Molded media

Wet Type

Molded media is thermal cured media made of abrasive grits and thermosetting resin.

Benefit

- 1 Mild finishing.
- 2 Suitable for soft metal (especially aluminum & zinc).
- 3 Suitable for finishing hole and corner of un-even surface.
- 4 Light weight, less deformation, change in shape, and impingement.
- 5 Less surface hardening.
- 6 Smooth finishing.

Shape	Application	Item Name	Item Number	Size	Size Tolerance			
					A		B	
C (Cone) 	Heavy Grinding	HZC	30, 20, 15, 10, 7, 6, 4	(A × B mm)	Max.	Min.	Max.	Min.
	Light Grinding	XVC	40, 30, 20, 15, 10					
	Smoothing	AC	20, 15, 10, 7, 6, 4					
	Luster Finishing	HAC	15, 10, 7, 6, 4					
	Mirror Finishing	SAC	20, 15, 10, 7, 6, 4					
				40	+2.0	-2.0	+2.0	-2.0
				30	+2.0	-2.0	+2.0	-2.0
				20	+1.5	-1.5	+1.5	-1.5
				15	+1.5	-1.5	+1.5	-1.5
				10	+1.0	-1.0	+1.0	-1.0
				7	+1.0	-1.0	+1.0	-1.0
				6	+1.0	-1.0	+1.0	-1.0
				4	+0.5	-0.5	+0.5	-0.5



HZC



XVC



AC



HAC



SAC

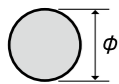
※ Triangular pyramid is available for special shape. Please contact us for more information. ※ Package : 20 kg
 ※ Only Bullet Shape available for No.6,4.

Steel media

Wet Type

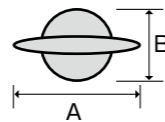
Steel media is mostly made of iron or stainless steel. Spherical shape and sputnik shape are available.

Shape	Application	Item Name	Item Number & Size	
			(φmm)	
(Sphere)	Mirror Finishing	Steel Ball (S.B.)	9.5	9.5
			6.3	7.9
			4.8	5.5
			3.2	4.0
			1.6	2.4
			0.8	1.2



Steel Ball

Shape	Application	Item Name	Item Number		Size	
					(A × B mm)	
(UFO shape)	Mirror Finishing	Sputnik (SP)	6.00	6.00	6.00	φ5.8×φ4.5
			4.00	4.00	4.00	φ3.8×φ3.2



Sputnik

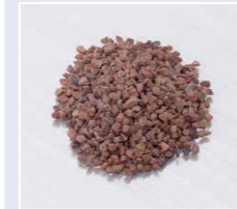
※ Please contact us for more information about stainless media.
 ※ Please contact us for more information about the packaging of steel media as packaging size is different depending on media size.
 ※ Size may be changed without prior notice.
 ※ Please contact us for more information about commodity specifications.

Soft media

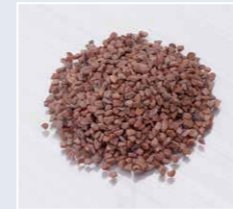
Dry Type

Soft media is impregnated firmly by abrasive grits such as aluminum oxide, diamond powder, etc, onto a walnut shell or a corn cob (core of corn) with a grease-based coating agent.

Item Name	Abrasive Grits	Material	Workpieces Material	Application
SMA	Aluminum	Walnut	All Metal	Rough (fast) & Medium Finish
SMB	Aluminum	Walnut	All Metal	Mirror Finishing
SMD	Diamond powder	Walnut	Cemented Carbide/High Speed Steel	Super mirror finishing, suitable for drilling
SF	Aluminum	Corn	All Metal	Mirror Finishing & Less Impingement
SFP	Aluminum	Corn	Calcium carbonate	Luster finish for pearl



SMA



SMB



SMD



SF



SFP

※ Please contact us for more information about the size. ※ Package : 20 kg (SMD also has 10kg packaging.)
 ※ Please contact us for more information about the minimum purchasing amount of Soft media inclusive of additives, because this product is made to order.

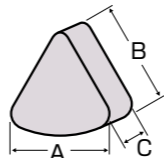
Additive for Soft Media

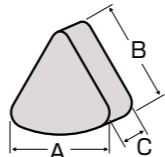
Item Name	Contents
Light 1A	Abrasive Grits for Luster and Mirror Finishing (Center Size 3μm)
Light 2A	Rough (fast) & Medium Finish (Center Size 50μm)
TU Wax	Liquid Oil Coating
Additive for SMD	Additives that are a mixture of diamond powder and oil and fats contents.
Package : Light 1A, Light 2A	20kg
TU Wax	16kg
Additive for SMD	400g λ, 1kg λ

Sahara media

Dry Type

Sahara media is thermal cured media made of abrasive grits and thermosetting resin.

Shape	Application	Item Name	Item Number and Size	Size Tolerance					
				A		B		C	
T (Original triangle shape ∠90°) 	General Grinding	O8T	(A × B × C mm)	Max.	Min.	Max.	Min.	Max.	Min.
			15×15×15	+0.5	-2.5	+0.5	-2.5	+1.3	-1.7
			10×10×10	+0.4	-1.6	+0.4	-1.6	+0.8	-1.2
			8× 8× 8	+0.6	-1.4	+0.6	-1.4	+0.8	-1.2
			6× 6× 6	+0.5	-1.5	+0.5	-1.5	+0.8	-1.2



O8T

※ Size may be changed without prior notice.
 ※ Please contact us for more information about commodity specifications. ※ Package : 20 kg

Plastic beads

Plastic beads are the additives to help sheet-shaped workpieces not to overlap each other, which will cause uneven finishing.

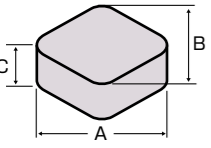
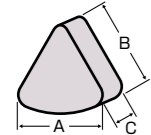
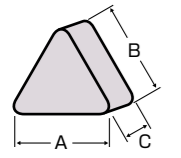
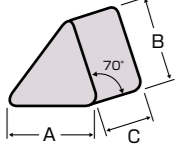
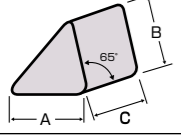
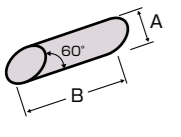
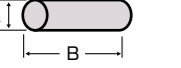


Additives ※ Package : 20kg

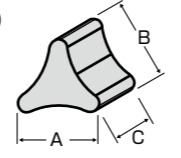
Ceramic media

Wet Type

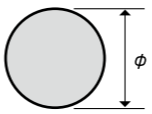
Ceramic media is product which abrasive grits and clay bonding materials are fired and bonded or only clay bonding materials or alumina bonding materials are fired.

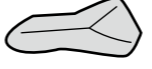
Shape	Application	Item Name	Item Number	Size	Size Tolerance		
					A	B	C
D (Diamond) 	Heavy Grinding	HD	00, 0	(A × B × C mm)			
				00 55×35×18	+2.0 -1.0	+2.0 -1.0	+1.0 -1.0
	General Grinding	GOD	00	(A × B × C mm)			
				00 55×35×24	+3.5 -0.5	+3.5 -0.5	+1.5 -0.5
T (Original triangle shape Triangle ∠90°) 	Heavy Grinding	HT	1, 2, 3, 4	(A × B × C mm)			
	General Grinding	AT	1, 2, 3, 4, 5	1 30×30×14	+2.0 -1.0	+2.0 -1.0	+1.0 -1.0
		AHT	1, 2, 3, 4, 5	2 20×20×12	+2.0 -1.0	+2.0 -1.0	+1.0 -1.0
	Light Grinding	AXT	2, 3, 4, 5	3 15×15×10	+2.0 -1.0	+2.0 -1.0	+1.0 -1.0
	Smoothing	AWT	3, 4, 5	4 10×10× 7	+2.5 -0.5	+2.5 -0.5	+1.0 -1.0
T (Straight Cut Triangle ∠90°) 	Heavy Grinding*	GUT	1, 2, 3, 4, 5	(A × B × C mm)			
	Heavy Grinding*	HVT	1, 2, 3, 4, 5	1 30×30×20	+1.5 -1.5	+1.5 -1.5	+2.0 -1.0
				2 22×22×16	+1.5 -1.5	+1.5 -1.5	+1.0 -1.0
				3 16×16×12	+1.5 -1.5	+1.5 -1.5	+1.0 -1.0
				4 10×10× 8	+1.5 -1.0	+1.5 -1.0	+1.5 -1.0
				5 6× 6× 6	+0.5 -0.5	+0.5 -0.5	+0.5 -0.5
	Luster Finishing	WT	13×9 10×7 6×5 4×4	(A × B × C mm)			
				13×9 13×13× 9	+2.5 -0.5	+2.5 -0.5	+4.5 -1.0
				10×7 10×10× 7	+2.5 -0.5	+2.5 -0.5	+2.0 -0.5
				6×5 6× 6× 5	+1.5 -0.5	+1.5 -0.5	+2.0 -0.5
4×4 4× 4× 4				+1.5 -0.5	+1.5 -0.5	+2.0 -0.5	
T (Angle Cut Triangle ∠70°) 	General Grinding	GOT	1, 2, 3, 4, 5, 6, 7	(A × B × C mm)			
	Light Grinding	GXT	1, 2, 3, 4	1 30×30×20	+1.5 -1.5	+1.5 -1.5	+2.0 -1.0
				2 22×22×16	+1.5 -1.5	+1.5 -1.5	+1.0 -1.0
				3 16×16×12	+1.5 -1.5	+1.5 -1.5	+1.0 -1.0
				4 10×10× 8	+1.5 -1.0	+1.5 -1.0	+1.5 -1.0
				5 6× 6× 6	+0.5 -0.5	+0.5 -0.5	+0.5 -0.5
				6 4× 4× 4	+0.5 -0.5	+0.5 -0.5	+1.0 -1.0
7 3× 3× 3	+0.5 -0.5	+0.5 -0.5	+1.5 -0.5				
				*Only Straight Cut available for No.5, 6, 7.			
T (Angle Cut Triangle ∠65°) 	Luster Finishing	WT	6×6 Angle Cut	(A × B × C mm)			
	6 × 6 Angle Cut 6 × 6 × 6	+1.5 -0.5	+1.5 -0.5	+2.5 -1.0			
RP (Angle Cut Cylinder ∠60°) 	Heavy Grinding*	GURP	3, 4, 5	(A × B mm)			
	Heavy Grinding*	HVRP	2, 3, 4, 5	2 φ20×30	+1.0 -0.5	+2.0 -1.0	-
	General Grinding	ARP	2, 3, 4, 5	3 φ15×20	+1.0 -0.5	+2.0 -1.0	-
	General Grinding	GORP	2, 3, 4, 5	4 φ10×15	+0.5 -0.5	+1.0 -1.0	-
	Light Grinding	GXRP	2, 3, 4, 5	5 φ 6×11	+0.5 -0.5	+1.0 -1.0	-
Luster Finishing	CRP	4, 5					
(Straight Cut Cylinder ∠90°) 	Luster Precise Finishing	HPR	6F, 5F, 4F, 3F, 2F, 1F	(A × B mm)			
	6F φ4.70×14.0	+0.2 -0.1	+0.4 -0.2	-			
	5F φ3.60×10.0	+0.2 -0.1	+0.3 -0.2	-			
	4F φ2.10× 8.0	+0.2 -0.1	+0.3 -0.2	-			
	3F φ1.88× 5.2	+0.2 -0.1	+0.1 -0.1	-			
	2F φ1.40× 2.7	+0.2 -0.1	+0.1 -0.1	-			
1F φ1.05× 1.8	+0.2 -0.1	+0.1 -0.1	-				

*GU: TOP Grinding Power HV: More grinding, Less wear

Shape	Application	Item Name	Item Number	Size			Size Tolerance				
				A	B	C	Max.	Min.	Max.	Min.	Max.
A (Star) 	Micro Finishing	EXA	5.0, 4.0, 3.0, 2.0	(A × B × C mm)							
	Luster Finishing	EWA	5.0, 4.0, 3.0, 2.0	5.0	5.0× 5.0× 5.0	+0.4 -0.4	+0.4 -0.4	+0.4 -0.4			
				4.0	4.0× 4.0× 4.0	+0.4 -0.4	+0.4 -0.4	+0.4 -0.4			
				3.0	3.0× 3.0× 3.0	+0.4 -0.4	+0.4 -0.4	+0.4 -0.4			
			2.0	2.0× 2.0× 2.0	+0.4 -0.4	+0.4 -0.4	+0.4 -0.4				

*Purchasing options package for EXA / EWA:5kg

Shape	Application	Item Name	Item Number	Size	
				(φ mm)	
S (Sphere) 	Heavy Grinding	HS	20, 15, 10, 6, 5, 4, 3, 2	20	15.0~20.0
	General Grinding	AS	20, 10, 6, 5, 4, 3, 2	15	10.0~15.0
	Light Grinding	AXS	20, 15, 10, 6, 5, 4, 3, 2	10	7.0~10.0
				6	5.0~ 7.0
				5	4.0~ 5.0
				4	3.0~ 4.0
				3	2.5~ 3.0
				2	2.0~ 2.5
	General Grinding	HBS	10, 8, 6, 5, 4, 3, 2, 1	12	11.0~13.0
	Micro Finishing • Luster Finishing	PS	12, 10, 8, 6, 5, 4, 3, 2, 1	10	9.0~11.0
Luster Finishing	HCS	10, 8, 6, 5, 4, 3, 2, 1	8	7.0~ 9.0	
Luster Finishing	CS	12, 10, 8, 6, 5, 4, 3, 2, 1	6	5.5~ 6.5	
			5	4.5~ 5.5	
			4	3.5~ 4.5	
			3	2.5~ 3.5	
			2	1.5~ 2.5	
			1	0.5~ 1.5	
Luster Finishing	WS	5, 4, 3, 2, 1, 0.5	5	4.3~ 5.7	
			4	3.3~ 4.7	
			3	2.5~ 3.5	
			2	1.5~ 2.5	
			1	0.7~ 1.3	
			0.5	0.2~ 0.8	

Shape	Application	Product Name	Product Number	Upper limit sieve	Lower limit sieve	Distribution rate	Short Diameter	Distribution	Major Diameter	Distribution	Long Diameter	Distribution
							Range	Rate	Range	Rate	Range	Rate
P (Random Shape) 	Heavy Grinding	HP	6	-	-	-	3.5>	Less than 5%	3.5~8.0	More than 85%	8.0<	More than 10%
			8	-	-	-	2.7>	Less than 5%	2.7~6.4	More than 85%	6.4<	More than 10%
			10	-	-	-	1.8>	Less than 5%	1.8~4.1	More than 85%	4.1<	More than 10%
			12	-	-	-	1.3>	Less than 5%	1.3~3.3	More than 85%	3.3<	More than 10%
			6	-	-	-	3.5>	Less than 5%	3.5~8.2	More than 85%	8.2<	More than 10%
			8	-	-	-	2.4>	Less than 5%	2.4~5.9	More than 85%	5.9<	More than 10%
	Micro Finishing • Luster Finishing	3P-N	10	-	-	-	1.8>	Less than 5%	1.8~4.3	More than 85%	4.3<	More than 10%
			12	-	-	-	1.3>	Less than 5%	1.3~3.4	More than 85%	3.4<	More than 10%
			16	2.00	1.00	More than 90%	-	-	-	-	-	
			20	1.70	0.71	More than 90%	-	-	-	-	-	
			6	-	-	-	3.5>	Less than 5%	3.5~8.6	More than 85%	8.6<	More than 10%
			8	-	-	-	2.7>	Less than 5%	2.7~6.2	More than 85%	6.2<	More than 10%
Luster Finishing	CP	10	-	-	-	1.8>	Less than 5%	1.8~5.4	More than 85%	5.4<	More than 10%	
		12	-	-	-	1.3>	Less than 5%	1.3~4.0	More than 85%	4.0<	More than 10%	

*Size may be changed without prior notice. Please contact us for more information about the order amount because some products are built to order.
 *Size shows actual figures based on internal inspection criteria.
 *Please ask our sales staff about the abrasive media specification as needed. *Package : 20 kg (HPR 1F~5F : 10 kg)

Abrasive media selection and order pattern utilizing catalogue

Selecting example

Please select each item of ① "Application", ② "Shape", ③ "Size" and ④ "Quantity".

① "Application"
 Please select from heavy grinding, general grinding, light grinding, smooth finishing, micro finishing, and luster finishing according to the finishing purpose.

② "Shape"
 Please select from D (diamond), T (triangle), RP (cylindrical), S (spherical), P (random shape), A (star) according to the workpiece portion to finish and the finishing conditions.

③ "Size"
 Please select the size according to the workpiece portion to finish and shape of the work piece (hole size if there is a hole), sorting condition, etc.

④ "Quantity"
 It is a unit based on the packing quantity. Please decide the box quantity.

Order example
 In case of ordering abrasive media with the application by Heavy grinding, shape by Spherical (S), size by 2.5-3.0, quantity by 20 kg, please order for "HS-3 20kg or "HS-3 1 box".

ELV • RoHS Restriction of Hazardous Substances

Our abrasive media does not intentionally include the environmentally hazardous substances that meet the ELV / RoHS Directive.

Heavy Grinding



HT



HS



HP



GUT



GURP



HVT



HVRP



HD

General Grinding



AT



ARP



AS



GOT



GORP



GOD



AHT



HBS

Light Grinding



AXT



AXS



GXT



GGRP

Smoothing



AWT

Micro Grinding



EXA

Micro Grinding · Luster Finishing



PS



3P-N

Luster Finishing



WT(Straight)



WT(Angle)



WS



HPR



HCS



EWA



CRP



CS



CP

5 Functions of Compound

- 1 Water Softening Function**
Softens water so as to make compound perform its function efficiently.
- 2 Cleaning Function**
Maintains the surface of workpieces and abrasive media clean and enhance finishing efficiency.
- 3 Shock Absorbing Function**
Foaming absorbs the impingement of workpieces and abrasive media, which reduces damages to workpieces as well as contributing to degree of luster.
- 4 Lubricating Function**
Contributes to luster finish and smoothing as well as enhancement of finishing efficiency by proper lubricity.

- 5 Rust Inhibiting Function**
Prevents workpieces from getting rusted during finishing process and separating process immediately after finishing process.

Powder Compound

Product Name	Finishing Purpose						Workpieces Material				
	Descaling	Degreasing	Rough Finishing	Middle Finishing	Luster Finishing	Rust Inhibiting	Iron-Steel	Stainless Steel	Aluminium	Zinc	Copper
CO-17			○				○	○	○	○	
CO-56		○	○			○	○	○			
CO-74		○	○	○			○	○			
CO-99		○	○				○	○			
CO-63B			○				○	○			
CO-900	○		○				○	○			
FX-06		○			○		○	○			
FX-18					○			○	○	○	○
FX-36					○		○	○			
FX-76					○		○	○	○		
FX-99					○		○	○			

○ Recommended ○ Suited Rough Finishing Descaling Luster Finishing

Environment • Workability					Benefit	Package (kg)
PRTR Law	Nitrogen	Phosphorus	pH (2%Solution)	Usage Amount (Per 1ltr Water)		
Not Applicable	Not Contained	Not Contained	10.9	10~20g	Abrasive grits contained, improved in moisture caking and redispersibility.	20
Not Applicable	Not Contained		12.2	10~20g	Excellent in degreasing and rust inhibiting performance BOD and COD free.	20
Not Applicable	Not Contained		11.4	10~20g	For rough finishing, excellent in degreasing and cleaning performances.	20
Not Applicable	Not Contained	Not Contained	10.9	10~20g	A completely dissolved compound in water and for rough finishing with no ingredients remained on the workpiece.	20
Not Applicable	Not Contained		12.8	10~20g	Abrasive grits contain. Not applicable to PRTR Law. For low BOD and low COD.	20
Not Applicable	Not Contained		6.7	10~20g	Long-life, Superior descaling, Heavy-grinding compound for iron, steel and stainless steel.	20
			10.3	10~20g	Cleaning specialization, for luster finishing.	15
Not Applicable	Not Contained		8.2	10~20g	For luster finishing for Non-ferrance iron.	20
	Not Contained		11.0	10~20g	Substances subject to Industrial Safety and Health Act notification and Nitrite-free.	15
		Not Contained	11.3	10~20g	Best for luster finishing by steel balls. Nitrite-free.	15
Not Applicable	Not Contained	Not Contained	10.7	10~20g	A completely dissolved compound in water and for luster finishing with no ingredients remained on the workpiece.	10

Liquid Compound

Product Name	Finishing Purpose						Workpieces Material				
	Descaling	Degreasing	Rough Finishing	Middle Finishing	Luster Finishing	Rust Inhibiting	Iron-Steel	Stainless Steel	Aluminium	Zinc	Copper
LC-102		○					○	○			
LC-125		○					○	○	○	○	○
LC-135		○	○	○			○	○	○		
LC-235			○	○			○	○	○	○	○
LC-285		○		○	○	○	○	○			
LC-613		○	○			○	○	○			
LC-400					○		○	○	○	○	○
LC-419					○		○	○	○	○	○
LC-475					○		○	○			
LC-496					○		○	○			○
LC-506					○		○	○			○
LC-513		○			○		○	○	○	○	○

○ Recommended ○ Suited Rough/Medium Finishing Luster Finishing Degreasing

Environment • Workability					Benefit	Package (kg)
PRTR Law	Nitrogen	Phosphorus	pH (1%Solution)	Usage Amount (Per 1ltr Water)		
Not Applicable			9.6	10~20mℓ	Effective as degreasing agent. Not applicable to PRTR Law. Nitrite-free.	18
Not Applicable			7.8	10~20mℓ	For degreasing, neutral and nitrite-free. Not applicable to PRTR Law.	18
			8.4	10~20mℓ	For degreasing, neutral and nitrite-free, medium finishing applicable.	18
Not Applicable			8.3	10~20mℓ	Best for rough to medium finishing, excellent in degreasing and rust inhibiting performance, stable in hard water.	18
		Not Contained	11.6	10~20mℓ	For medium finishing, excellent in degreasing and rust inhibiting performance, nitrite-free.	18
			11.6	10~20mℓ	Basic liquid compound for rough finishing, high performance in both cleaning and rust inhibiting function.	18
			8.5	10~20mℓ	Best for luster finish for aluminum. Nitrite-free.	18
		Not Contained	9.2	10~20mℓ	For luster finishing low BOD and low COD.	18
			9.7	10~20mℓ	Best for Centrifugal & Centrifugal Disc Finishing nitrite-free.	18
		Not Contained	9.7	10~20mℓ	For luster finish with redness of copper products. Nitrite-free .	18
		Not Contained	10.7	10~20mℓ	Best for luster finish for copper and copper alloy. Nitrite-free.	18
			8.9	10~20mℓ	Superior in degreasing and cleaning performances, applicable for luster finishing for all metals nitrite-free.	18

※ Standard endurance time of compound is 15 hours for Rotary Barrel, 2 hours for Vibratory Barrel, 0.5 hours for Centrifugal Barrel, 1 hour for Centrifugal Disc.
 If the finishing time excess the compound endurance time, change-over of water and compound is required.
 Workpieces material and mixing ratio affect the endurance time, which comes to be extended or decreased.
 ※ Natural raw materials are employed partially among raw materials.
 Therefore, appearance color of compound may change depending on the product lot and storage conditions, which does not affect the performance.
 ※ Compound should be stored in room temperature. Needle crystal, high viscosity, white turbidity and separation may happen unless stored in room temperature.
 If the phenomenon happens, restore the compound in room temperature, and continue to be used when the phenomenon disappears.
 If the phenomenon remains unchanged, please stop using such lot.

※ Ph value of compound shows a representative value, which does not show the specifications.
 ※ About the description of BOD/COD free:
 It is defined as the element free as well as BOD/COD free compound subject to less than 1 ppm of corresponding value based on 0.1% solution.
 ※ For materials (iron / steel) that may rust after barrel finishing, please treat rust prevention.

ECO Compound

There are various types of ECO compounds available including, Phosphorus Free, Nitrogen Free, BOD Free, COD Free, Low BOD, and Low COD Types.

Product Name	Finishing Purpose						Workpieces Material				
	Descaling	Degreasing	Rough Finishing	Middle Finishing	Luster Finishing	Rust Inhibiting	Iron+Steel	Stainless Steel	Aluminium	Zinc	Copper
ECO-568			○	○			○	○	○	○	○
ECO-582			○	○			○	○			
ECO-660		○	○			○	○	○	○	○	○
ECO-576L			○	○			○	○			
ECO-618L		○	○			○	○				

Rust Inhibitor

These products are developed for rust inhibiting and corrosion prevention of workpieces after barrel finishing.

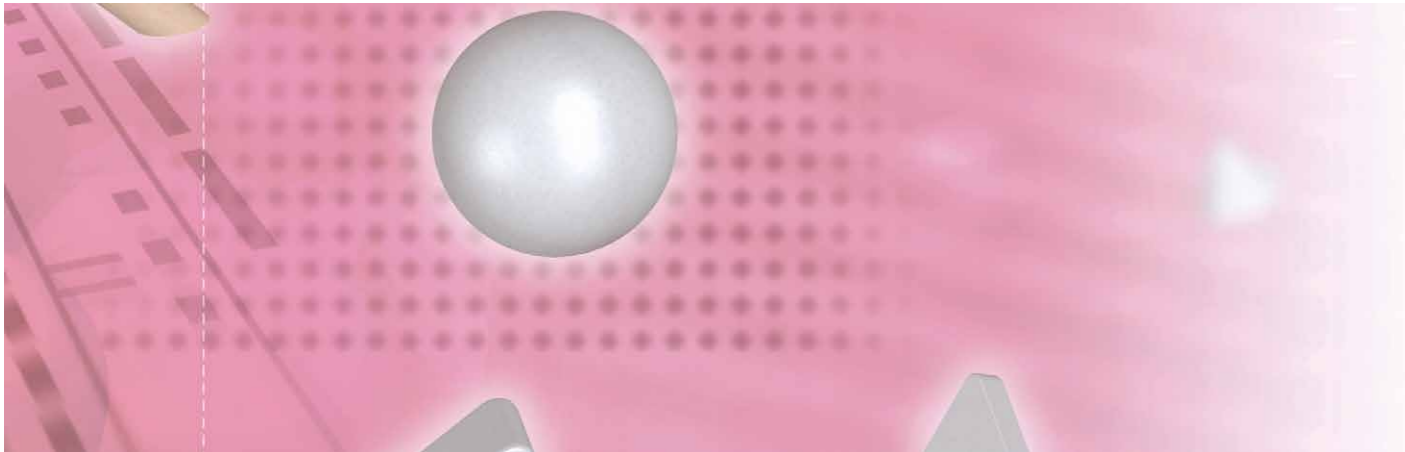
Product Name	Finishing Purpose						Workpieces Material				
	Descaling	Degreasing	Rough Finishing	Middle Finishing	Luster Finishing	Rust Inhibiting	Iron+Steel	Stainless Steel	Aluminium	Zinc	Copper
LC-801						○	○	○			
LC-802		○	○			○	○	○			
LC-842						○	○	○			
TH-BIS						○	○	○			
ECO-356L						○	○	○	○	○	○

- ※ Standard endurance time of compound is 15 hours for Rotary Barrel, 2 hours for Vibratory Barrel, 0.5 hours for Centrifugal Barrel, 1 hour for Centrifugal Disc. If the finishing time exceeds the compound endurance time, change-over of water and compound is required. Workpieces material and mixing ratio affect the endurance time, which comes to be extended or decreased.
- ※ Natural raw materials are employed partially among raw materials. Therefore, appearance color of compound may change depending on the product lot and storage conditions, which does not affect the performance.
- ※ Compound should be stored in room temperature. Needle crystal, high viscosity, white turbidity and separation may happen unless stored in room temperature. If the phenomenon happens, restore the compound in room temperature, and continue to be used when the phenomenon disappears. If the phenomenon remains uncharged, please stop using such lot.
- ※ Ph value of compound and rust inhibitor shows a representative value, which does not show the specifications.
- ※ About the description of compound element free and BOD/COD free: It is defined as the element free as well as BOD/COD free compound subject to less than 1 ppm of corresponding value based on 0.1% solution.
- ※ For materials (iron / steel) that may rust after barrel finishing, please treat rust prevention.

•ELV • RoHS Restriction of Hazardous Substances

Our abrasive media does not intentionally include the environmentally hazardous substances that meet the ELV / RoHS Directive.

- * BOD: Biochemical Oxygen Demand
- * COD: Chemical Oxygen Demand.
- * Ph : Density of Hydrogen Ion.
- * PRTR LAW : Information on total discharging amount of specified chemical substances and laws about promoting effective management.



○ Recommended ○ Suited Rough Finishing

Environment • Workability					Benefit	Package (kg)
PRTR Law	Nitrogen	Phosphorus	pH	Usage Amount (Per 1ltr Water)		
Not Applicable	Not Contained		12.4(2%)	10~20g	BOD and COD free and low foaming.	18(Powder)
Not Applicable	Not Contained	Not Contained	12.4(2%)	10~20g	BOD, COD, phosphorous and nitrogen free.	15(Powder)
Not Applicable	Not Contained		11.5(2%)	10~20g	Excellent in degreasing and rust inhibiting performances.	18(Powder)
Not Applicable	Not Contained		12.0(1%)	10~20mℓ	BOD and COD free and low foaming.	20(Liquid)
Not Applicable		Not Contained	10.8(1%)	10~20mℓ	Excellent in degreasing and rust inhibiting performances.	18(Liquid)

○ Recommended ○ Suited Rust Inhibitor

Environment • Workability					Benefit	Package
PRTR Law	Nitrogen	Phosphorus	pH	Usage Amount (Per 1ltr Water)		
		Not Contained	10.2(2%)	20~50mℓ	Water-soluble temporary rust inhibiting agent, colorless and transparent.	18kg(Liquid)
Not Applicable			10.3(2%)	20~50mℓ	Export water-base temporary rust inhibitor (transparent). Non-PRTR.	18kg(Liquid)
Not Applicable			10.4(2%)	20~50mℓ	Export water-base temporary rust inhibitor (transparent). Non-PRTR. (High anti-rust)	18kg(Liquid)
		Not Contained	11	20~50mℓ	Water-soluble temporary rust inhibiting agent.	18kg(Liquid)
Not Applicable	Not Contained	Not Contained	-	Undiluted Solution	Water-substitution long-term rust inhibiting agent.	18ℓ (Liquid)



Jewelry ●

● Accessory

Housing Equipment ●

● Automotive Parts



Industrial Equipment ●

● Electric and Electronic Parts

P r o c e s s e d P a r t s S a m p l e s