



TYROLIT PREMIUM ★★★ POLISHING PROGRAM

FOLLOW OUR METHOD TO TRANSFORM A RAW SURFACE INTO A MIRROR FINISH

- PREMIUM*** CONDITIONING Flap discs
- PREMIUM*** PRE-POLISH Discs
- PREMIUM*** POLISH Flap discs and pastes
- PREMIUM*** COMBI Flap discs

TYROLIT PREMIUM ★★★ POLISHING RANGE

FOUR STEPS TO A MIRROR FINISH



Preparation

Preparing the untreated workpiece

For preparing untreated materials, we recommend:

- PREMIUM*** ZA-P47 fibre discs
- PREMIUM*** 2in1 flap discs
- STANDARD** Soft Job

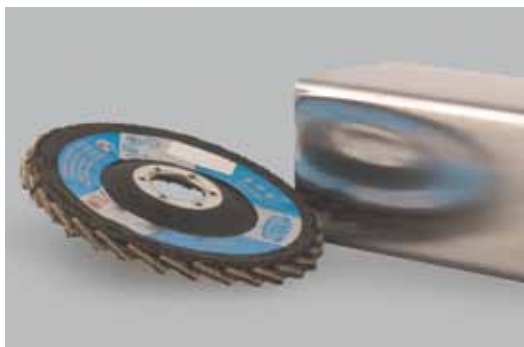
Recommendation: grit size 120 or 80
(depending on the material)

1

Removing rough scratches

PREMIUM*** CONDITIONING is the perfect solution for this step. It removes all rough scratch marks from the surfaces to be machined. A multi-dimensional flap design reduces clogging and prevents unwanted material discoloration.

Recommendation: grit size „Medium“

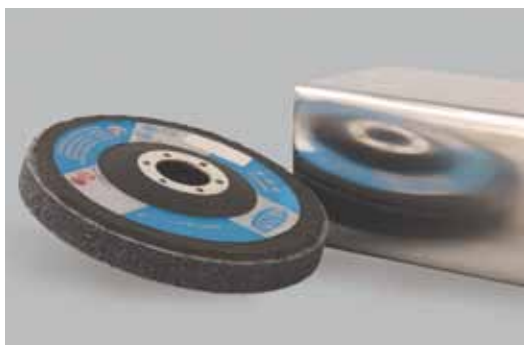


2

Preparing to polish

PREMIUM*** PRE-POLISH provides the finest surface preparation for polishing and adapts to the material surface.

Recommendation: grit size „Fine-P“



3

Polishing

PREMIUM*** POLISH creates the perfect mirror finish. Different grinding pastes enable the machining of different materials, such as steel, stainless steel and nonferrous metals.

Recommendation: SHF with polishing paste
„S-POLISH“





PREMIUM ★★★ CONDITIONING

IDEAL FOR REMOVING ROUGH SCRATCHES

PREMIUM*** CONDITIONING removes all rough scratch marks from surfaces to be machined. It has been specially developed to achieve good results at high speeds, even on non-adjustable angle grinders (max. 11,000 rpm).

A multi-dimensional flap design reduces clogging to a minimum. Furthermore, its low levels of heat build-up prevent unwanted discolouration on the workpiece.

Can be used on a wide range of materials, such as stainless steel, steel, alloys, aluminium, copper, brass, bronze and plastics.



Target groups for PREMIUM*** CONDITIONING

- Apparatus engineering and tank construction
- Chemicals and process industry
- Motor industry
- Gas turbine construction and repair
- Aerospace industry
- Machine construction
- Locksmiths
- Steel construction
- Tool making

Application examples:

- Manufacture and maintenance of equipment for chemical and food industries
- Machining of stainless steel fixtures and fittings
- Machining of plastic products
- Preparing to polish
- Removing paint and rust
- Preparing welding seams
- Correcting surface damage

SHAPE	DIMENSIONS	SPECIFICATION	TYPE NO.	MATERIAL	APPLICATION	MACHINE
28PCA	115x22,23	Coarse	742155		Cleaning; preparing to polish; removing scratch and chatter marks	
	115x22,23	Medium	742157			
	115x22,23	Very fine	742158			
	125x22,23	Coarse	742148			
	125x22,23	Medium	742153			
	125x22,23	Very fine	742154			

Convincing benefits:

- Can be used at high speeds
- No disc clogging
- Quiet, with little heat build-up

Recommended speeds:

115x22,23	3.500 U/min
125x22,23	3.000 U/min

PREMIUM ★★★ PRE-POLISH PREPARING TO POLISH

This step provides the finest surface preparation for polishing. PREMIUM*** PRE-POLISH comprises several layers of abrasive fabric. It offers a long lifetime, is extremely robust and is also suitable for light deburring. It has been specially developed to achieve good results at high speeds, even on non-adjustable angle grinders (max. 11,000 rpm).



Two designs facilitate wide-ranging machining:

Design "P" (soft)

Available as FINE and VERY FINE

- For maximum surface quality
- Extremely resistant to clogging
- Final step before polishing

Design "Q" (medium-soft)

Available as MEDIUM

- High stability when used on edges
- Extremely well-suited to cleaning
- Removes adhesive residues and rust

Can be used on various materials, such as stainless steel, steel, alloys, aluminium, copper, brass and bronze.

Target groups for PREMIUM*** PRE-POLISH

- Apparatus engineering and tank construction
- Chemicals and process industry
- Motor industry
- Gas turbine construction and repair
- Aerospace industry
- Machine construction
- Locksmiths
- Steel construction
- Tool making

Application examples:

- Light deburring
- Pre-polishing and finishing
- Tank and tool machining for chemical and food industries
- Turbine blade maintenance
- Polishing medical instruments
- Cleaning welding seams and moulds

SHAPE	DIMENSIONS	SPECIFICATION	TYPE NO.	MATERIAL	APPLICATION	MACHINE
28PUA	115x22,23	Medium Q	742379		Light deburring; cleaning; pre-polishing and polishing	
	115x22,23	Fine P	742380			
	115x22,23	Very fine P	742381			
	125x22,23	Medium Q	742382			
	125x22,23	Fine P	742384			
	125x22,23	Very fine P	742385			

Convincing benefits:

- Exceptional near-mirror finish quality
- Adapts to the workpiece surface
- Extremely robust, also suitable for light deburring

Recommended speeds:

115x22,23	4.000 U/min
125x22,23	3.600 U/min

PREMIUM ★★★ POLISH

FINAL STEP TO A MIRROR FINISH

Compared to conventional compact felt grinding wheels, the PREMIUM*** POLISH uses highly flexible flaps on a fibreglass core for optimum heat distribution and a cool polished section. Unwanted discolouration is prevented. The grinding pastes needed for this final step deliver the perfect mirror finish on a variety of materials.




Target groups for PREMIUM*** POLISH

- Apparatus engineering and tank construction
- Chemicals and process industry
- Motor industry
- Gas turbine construction and repair
- Aerospace industry
- Machine construction
- Locksmiths
- Steel construction
- Tool making

Application examples:

- Tank and tool machining for chemical and food industries
- Polishing medical instruments

SHAPE	DIMENSIONS	SPECIFICATION	TYPE NO.	APPLICATION	MACHINE
28PWA	115x22,23	SHF	742378	To achieve surfaces with a mirror finish	
	125x22,23	SHF	742375		

Convincing benefits:

- Perfect mirror finish
- Cool grinding due to flaps
- High flexibility






Recommended speeds:

115x22,23	1.800 U/min
125x22,23	1.500 U/min

PREMIUM ★★★ POLISHING PASTES

PREMIUM*** POLISHING PASTES in different specifications deliver the final mirror finish. They can be used to perform precise machining depending on the desired surface finish.

In combination with PREMIUM* POLISH, two different grades enable machining on a wide range of materials, such as stainless steel, steel, alloys, aluminium, copper, brass and bronze.**

SHAPE	DIMENSIONS	SPECIFICATION	TYPE NO.	MATERIAL	APPLICATION	MACHINE
90 PP	30x20x90 (100g)	Polish (white)	741230		POLISH for preparing for a mirror finish; S-POLISH for the perfect mirror finish	
	30x20x90 (100g)	S-Polish (blue)	741291			
	65x45x160 (600g)	Polish (white)	741347			
	65x45x160 (600g)	S-Polish (blue)	741349			
	30x20x90 (100g)	Polish-NE (brown)	741285		POLISH-NE, specially developed for high gloss polishing of nonferrous metals	100g 
	65x45x160 (600g)	Polish-NE (brown)	741348			600g 

PREMIUM *** COMBI FLAP DISCS FOR UNIVERSAL USE

PREMIUM*** COMBI combines abrasive cloth and fabric onto a single tool, allowing two different actions to be performed at the same time. The abrasive cloth removes small welding seams, while the abrasive fabric simultaneously provides an optimum surface finish. The long lifetime of the PREMIUM*** COMBI dramatically increases economic efficiency in comparison to conventional “surface conditioning” discs. It has been specially developed to achieve good results at high speeds, even on non-adjustable angle grinders (max. 80 m/s).



Target groups for PREMIUM*** COMBI

- Apparatus engineering and tank construction
- Food, pharmaceuticals and chemical industries
- Aerospace industry
- Sanitary installations
- Locksmiths
- Tank and boiler construction
- Stairway and railing construction

Application examples:

- General machining of stainless steel
- Removing small welding seams
- Machining corners and toothed surfaces
- Smoothing surfaces
- Homogenising surfaces
- Preparing to polish
- Light deburring
- Machining aluminium constructions

SHAPE	DIMENSIONS	SPECIFICATION	TYPE NO.	MATERIAL	APPLICATION	MACHINE
27PLCA	115x22,23	120-M	742167		Light deburring; removing smaller welding seams; finishing	
	125x22,23	120-M	742168			

Convincing benefits:

- Far longer service life than conventional conditioning discs
- Removing and finishing in a single step
- Low dust formation

Recommended speeds:

115x22,23	4.000 U/min
125x22,23	3.600 U/min

APPLICATION RECOMMENDATIONS AND NOTES ON USE

Recommended speeds:

PREMIUM*** CONDITIONING

115mm – 3.500 U/min
125mm – 3.000 U/min

PREMIUM*** POLISH

115mm – 1.800 U/min
125mm – 1.500 U/min

PREMIUM*** PRE-POLISH

115mm – 4.000 U/min
125mm – 3.600 U/min

PREMIUM*** COMBI

115mm – 4.000 U/min
125mm – 3.600 U/min

Polishing pastes:

White – high gloss pre-polish (POLISH)

Blue – high gloss polish (S-POLISH)

Brown - special polish for nonferrous metals (POLISH-NE)

Quality lines:

PREMIUM★★★

Quality tools for maximum performance:

Maximum performance and lifetime, wide product range

STANDARD★★

Quality tools for daily use:

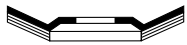
Impressive performance and lifetime for professional applications

BASIC★

Quality tools for universal use:

Good performance and lifetime, highly versatile range

Shapes:



Form 27 - depressed-centre design with fibreglass core
This shape creates the perfect angle of 15° - 20°.



Form 28 - straight design with fibreglass core
Ideal for use on flat surfaces, angles of 0° - 15° possible.

Pictograms:



2in1 (Steel and INOX)



Nonferrous metals



Plastics



Composites



Personal safety



Use gloves



Pay attention to the safety
recommendations



Do not use damaged discs



Free from
Fe, S, Cl (< 0,1%)

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