

Anterior Trials Instruments Instructions

INTENDED USE

- Manual surgical instruments intended for use in confirming adequate disc space preparation for interbody spinal fusion.

INTENDED USER PROFILE

- Surgical procedures should be performed only by persons having adequate training and familiarity with surgical techniques.
- Consult medical literature relative to techniques, complications and hazards prior to performance of any surgical procedure. Before using the product, all instructions regarding its safety features must be read carefully.

DEVICE DESCRIPTION

- Surgical instruments comprising fixed assemblies, simple hinged instruments and simple assemblies generally composed of medical grade stainless steels, titanium, aluminum and silicone rubber.
- Devices are supplied NON-STERILE and must be inspected, cleaned and sterilized before each use.
- Devices are critical and require terminal sterilization.
- Devices are not implantable.

WARNINGS



- Aalign recommends thorough manual and automated cleaning of medical devices prior to sterilization. Automated methods alone may not adequately clean devices.
- Devices should be reprocessed as soon as possible following use. Instruments must be cleaned separately from cases and trays.
- Ensure inner shaft is removed from Inserter Handle prior to cleaning.
- Trial Depth Stop must be removed from Inserter Handle prior to cleaning.
- All cleaning agent solutions should be replaced frequently before becoming heavily soiled.
- Prior to cleaning, sterilization and use, remove all protective caps carefully. All instruments should be inspected to ensure proper function and condition. Do not use instruments if they do not perform satisfactorily.
- The sterilization methods described have been validated with the devices in predetermined placement locations per the case and tray designs. Areas intended for specific devices shall contain only those devices.
- Risk of damage – The surgical instruments are precision devices. Careful handling is important for the accurate functioning of the devices. Improper external handling can cause the devices to malfunction.
- Use caution when handling sharp instruments to avoid injury.
- If a device is/was used in a patient with, or suspected of having Creutzfeldt-Jakob Disease (CJD), the device cannot be reused and must be destroyed due to the inability to reprocess or sterilize to eliminate the risk of cross-contamination.

CAUTION



Federal U.S. Law restricts this device to sale, distribution, and use, by, or on order of a physician.

LIMITATIONS ON REPROCESSING

Repeated processing has minimal effect on these instruments. End of life is normally determined by wear and damage due to use.

DISCLAIMER

It is the responsibility of the reprocessor to ensure reprocessing is performed using equipment, materials and personnel in the reprocessing facility and achieves the desired result. This requires validation and routine monitoring of the process. Any deviation by the reprocessor from the instructions provided must be properly evaluated for effectiveness and potential adverse consequences.

Reprocessing Instructions

TOOLS AND ACCESSORIES

Water	Cold Tap Water (< 20°C / 68°F) Warm Water (38°- 49°C / 100°- 120°F) Hot Tap Water (> 40°C / 104°F) Deionized (DI) or Reverse Osmosis (RO) Water (ambient)
Cleaning Agents	Neutral Enzymatic Detergent pH 6.0-8.0 i.e. MetriZyme, EndoZime, Enzol
Accessories	Assorted Sizes of Brushes and/or Pipe Cleaners with Nylon Bristles Sterile Syringes or equivalent Absorbent, Low Lint Disposable Cloths or equivalent Soaking Pans
Equipment	Medical Compressed Air Ultrasonic Cleaner Automated Washer

POINT-OF-USE AND CONTAINMENT

- 1) Follow health care facility point of use practices. Keep devices moist after use to prevent soil from drying and remove excess soil and debris from all lumens, surfaces, crevices, sliding mechanisms, hinged joints, and all other hard-to-clean design features.
- 2) Suction or flush lumens with a cleaning solution immediately after use.
- 3) Follow universal precautions and contain devices in closed or covered containers for transport to central supply.

MANUAL CLEANING

- 4) Disassemble all devices as warranted per manufacturer's instructions include in the warnings section above.
- 5) Rinse devices under cold running tap water for a minimum of 3 minutes while wiping off residual soil or debris. Actuate moveable mechanisms and flush all lumens, cracks and/or crevices while rinsing.
- 6) Prepare an enzymatic cleaning solution per manufacturer's instructions including dilution/concentration, water quality and temperature. Immerse devices and soak for a minimum of 10 minutes. While in the solution, use a soft, bristle brush to remove all traces of blood and debris from the device, paying close attention to threads, crevices, seams, and any hard to reach areas.
 - a. If the device has sliding mechanisms or hinged joints, actuate the device while scrubbing to remove trapped soil.
 - b. If the device contains a lumen, use a tight-fitting nylon brush or pipe cleaner while pushing in and out with a twisting motion to facilitate removal of debris; ensure the full diameter and depth of the lumen is accessed. Flush the lumen, three times minimum, with a syringe containing a minimum solution of 60mL.
- 7) Remove devices and rinse/agitate in cold tap water for a minimum of 3 minutes. Actuate moveable mechanisms and flush all lumens, cracks and/or crevices while rinsing.
- 8) Prepare a neutral detergent cleaning solution per manufacturer's instructions including dilution/concentration, water quality and temperature. Immerse devices and soak for a minimum of 5 minutes. While in the solution, use a soft, bristle brush to remove all traces of blood and debris from the device, paying close attention to threads, crevices, seams, and any hard to reach areas.
 - a. If the device has sliding mechanisms or hinged joints, actuate the device while scrubbing to remove trapped soil.
 - b. If the device contains a lumen, use a tight-fitting nylon brush or pipe cleaner while pushing in and out with a twisting motion to facilitate removal of debris; ensure the full diameter and depth of the lumen is accessed. Flush the lumen, three times minimum, with a syringe containing a minimum solution of 60mL.
- 9) Remove devices and rinse/agitate in cold tap water for a minimum of 3 minutes. Actuate moveable mechanisms and flush all lumens, cracks and/or crevices while rinsing.
- 10) Prepare an enzymatic cleaning solution using hot water per manufacturer's recommendations in an ultrasonic unit. Sonicate the devices for a minimum of 15 minutes using a minimum frequency of 40 kHz. It is recommended to use an ultrasonic unit with flushing attachments. Devices with lumens should be flushed with cleaning solution under the surface of the solution to ensure adequate perfusion of channels.
- 11) Remove devices and rinse/agitate in ambient DI/RO water for a minimum of 4 minutes. Actuate moveable mechanisms and flush all lumens, cracks and/or crevices while rinsing. Flush internal lumens a minimum of 3 times with RO/DI water (minimum of 15mL) using an appropriately sized syringe. If available, use flush ports for flushing.
- 12) Dry the device using an absorbent cloth. Dry any internal areas with filtered, compressed air.

- 13) Visually inspect the device for soil under magnification including all actuating mechanisms, cracks, crevices, and lumens. If not visibly clean, repeat steps 4-13.
- 14) Submerge device in 2-3% hydrogen peroxide. The appearance of bubbles confirms the presence of hemoglobin. Repeat steps 5-14 if bubbles appear. Adequately rinse device with DI/RO water.

AUTOMATED CLEANING

Note: All devices must be manually pre-cleaned prior to any automated cleaning process, follow steps 1-9. Steps 10-14 are optional but advised.

- 15) Transfer the devices to an automatic washer/disinfector for processing per the below minimum parameters.

Phase	Time (minutes)	Temperature	Detergent Type & Concentration
Pre-wash 1	02:00	Cold Tap Water	N/A
Enzyme Wash	02:00	Hot Tap Water	Enzyme Detergent
Wash 1	02:00	63°C / 146°F	Neutral Detergent
Rinse 1	02:00	Hot Tap Water	N/A
Purified Water Rinse	02:00	146°F / 63°C	N/A
Drying	15:00	194°F / 90°C	N/A

- 16) Dry excess moisture using an absorbent cloth. Dry any internal areas with filtered, compressed air.
- 17) Visually inspect the device for soil under magnification including all actuating mechanisms, cracks, crevices and lumens. If not visibly clean, repeat steps 4-9, 15-17.
- 18) Submerge device in 2-3% hydrogen peroxide. The appearance of bubbles confirms the presence of hemoglobin. Repeat steps 5-9, 15-18 if bubbles appear. Adequately rinse device with DI/RO water.

DISINFECTION

- Devices must be terminally sterilized (See § Sterilization).
- Avalign instruments are compatible with washer/disinfector time-temperature profiles for thermal disinfection per ISO 15883.

INSPECTION AND FUNCTIONAL TESTING

- Visually inspect devices for damage or wear, including sharp edges. Instruments with broken, cracked, chipped or worn features, should not be used, but should be replaced immediately.
- Verify device interfaces (junctions and threads) continue to function as intended without complications.
- Check for smooth movement of hinges. Locking mechanisms should be free of nicks.
- Lubricate before autoclaving with Instra-Lube, or a steam permeable instrument lubricant.

PACKAGING

- Only FDA cleared sterilization packaging materials should be used by the end user when packaging the devices.
- The end user should consult ANSI/AAMI ST79 or ISO 17665-1 for additional information on steam sterilization.
- **Sterilization Wrap**
 - Cases may be wrapped in a standard, medical grade sterilization wrap using the AAMI double wrap method or equivalent.
- **Rigid Sterilization Container**
 - For information regarding rigid sterilization containers, please refer to appropriate instructions for use provided by the container manufacturer or contact the manufacturer directly for guidance.
 - The trial trays must be loaded as a single level tray for rigid container configuration. Only the following rigid containers may be used:
 - JN442 – Aesculap SterilContainer, Full Size, 6-inch height, Perforated Bottom
 - JK489 – Aesculap SterilContainer, Full Size, 2000 Lid, Aluminum
 - Devices must be placed in their designated locations within the tray inserts. Single devices or modules/caddies/racks may be placed into an Aesculap basket (JC223R or similar) which can be loaded into the Aesculap SterilContainer reusable, rigid sterilization containers. NOTE: Devices must be placed such that individual devices are not stacked and remain in an open position to allow uniform exposure to steam.
 - Container lids must be removed prior to use with the Aesculap reusable, rigid sterilization container.

STERILIZATION

Sterilize with steam. The tables below are minimum cycles required for steam sterilization of Avalign devices.

Loading: Single Level Trays for All Trials (Smooth, Rasp, Disc Prep)

US Sterilization Wraps:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	132°C (270°F)	4 minutes	4	60 Minutes

US Rigid Containers:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	132°C (270°F)	4 minutes	4	45 Minutes

Outside US Sterilization Wraps:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	134°C (273°F)	3 minutes	4	60 Minutes

Outside US Rigid Containers:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	134°C (273°F)	3 minutes	4	45 Minutes

For Part codes 48013000 (Inserter Handle), 48019115 (Trial Depth Stop), 48013001 (Inserter Inner Shaft), and 48019112 (Forceps), the following sterilization parameters are utilized.

Loading: Two Level Trays for Instrumentation (Inserter Handle, Trial Depth Stop, Inserter Inner Shaft, Forceps)

US Sterilization Wraps:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	132°C (270°F)	4 minutes	4	45 Minutes

US Rigid Containers:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	132°C (270°F)	4 minutes	4	45 Minutes

Outside US Sterilization Wraps:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	134°C (273°F)	3 minutes	4	45 Minutes

Outside US Rigid Containers:

Cycle Type	Temperature	Exposure Time	Pulses	Drying Time
Prevacuum	134°C (273°F)	3 minutes	4	45 Minutes

- The operating instructions and guidelines for maximum load configuration of the sterilizer manufacturer should be followed explicitly. The sterilizer must be properly installed, maintained, and calibrated.
- Time and temperature parameters required for sterilization vary according to type of sterilizer, cycle design, and packaging material. It is critical that process parameters be validated for each facility's individual type of sterilization equipment and product load configuration.
- A facility may choose to use different steam sterilization cycles other than the cycle suggested if the facility has properly validated the cycle to ensure adequate steam penetration and contact with the devices for sterilization. Note: rigid sterilization containers cannot be used in gravity steam cycles.
- Water droplets and visible signs of moisture on sterile packaging/wrap or the tape used to secure it may compromise the sterility of the processed loads or be indicative of a sterilization process failure. Visually check outside wrap for dryness. If there are water droplets for visible moisture observed the pack or instrument tray is considered unacceptable. Repackaging and re-sterilize the packages with visible signs of moisture.

STORAGE

- After sterilization, instruments should remain in sterilization packaging and be stored in a clean, dry cabinet or storage case.
- Care should be taken when handling devices to avoid damaging the sterile wrap barrier.

MAINTENANCE

- Attention: Apply lubricant only on the connecting elements (locking mechanism) and moving parts.
- Discard damaged, worn or non-functional devices.

WARRANTY

- All products are guaranteed to be free from defects in material and workmanship at the time of shipping.
- Aalign instruments are reusable and meet AAMI standards for sterilization. All our products are designed and manufactured to meet the highest quality standards. We cannot accept liability for failure of products which have been modified in any way from their original design.

CONTACT

- For further information or complaints, please contact:



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Label Glossary

Symbol	Title and Translations	Symbol	Title and Translations
	Manufacturer Date of Manufacture		Caution
	Lot Number / Batch Code		Non-Sterile
	Catalogue Number		Federal Law (USA) restricts this device to sale by or on the order of a physician
	Consult Instructions for Use		

PART LIST

Part Number	Description	GTIN
48013000	Inserter Handle (OEM)	00190776138202
48019115	Trial Depth Stop (OEM)	00190776138196
48013001	Inserter Inner Shaft (OEM)	00190776138288
48019112	Forceps (OEM)	00190776138189
48017006	6mm Disc Prep Trial (OEM)	00190776136093
48017007	7mm Disc Prep Trial (OEM)	00190776136109
48017008	8mm Disc Prep Trial (OEM)	00190776136116
48017010	10mm Disc Prep Trial (OEM)	00190776136123
48017012	12mm Disc Prep Trial (OEM)	00190776136130
48017014	14mm Disc Prep Trial (OEM)	00190776136147
48017016	16mm Disc Prep Trial (OEM)	00190776136154
48017018	18mm Disc Prep Trial (OEM)	00190776136161
48017020	20mm Disc Prep Trial (OEM)	00190776136178
48017022	22mm Disc Prep Trial (OEM)	00190776136185
48017024	24mm Disc Prep Trial (OEM)	00190776136192
480137531	7mm X 25mm X 33mm X 10° Trial (OEM)	00190776136208
480139531	8mm X 25mm X 33mm X 10° Trial (OEM)	00190776136215
480131531	10mm X 25mm X 33mm X 10° Trial (OEM)	00190776136222
480132531	12mm X 25mm X 33mm X 10° Trial (OEM)	00190776136239
480134531	14mm X 25mm X 33mm X 10° Trial (OEM)	00190776136246
480136531	16mm X 25mm X 33mm X 10° Trial (OEM)	00190776136253
480138531	18mm X 25mm X 33mm X 10° Trial (OEM)	00190776136260
480130531	20mm X 25mm X 33mm X 10° Trial (OEM)	00190776136277
480132535	12mm X 25mm X 33mm X 15° Trial (OEM)	00190776136284
480134535	14mm X 25mm X 33mm X 15° Trial (OEM)	00190776136291
480136535	16mm X 25mm X 33mm X 15° Trial (OEM)	00190776136307
480138535	18mm X 25mm X 33mm X 15° Trial (OEM)	00190776136314
480130535	20mm X 25mm X 33mm X 15° Trial (OEM)	00190776136321
480134530	14mm X 25mm X 33mm X 20° Trial (OEM)	00190776136338
480136530	16mm X 25mm X 33mm X 20° Trial (OEM)	00190776136345
480138530	18mm X 25mm X 33mm X 20° Trial (OEM)	00190776136352
480130530	20mm X 25mm X 33mm X 20° Trial (OEM)	00190776136369
480136532	16mm X 25mm X 33mm X 25° Trial (OEM)	00190776136376
480138532	18mm X 25mm X 33mm X 25° Trial (OEM)	00190776136383
480130532	20mm X 25mm X 33mm X 25° Trial (OEM)	00190776136390
480138533	18mm X 25mm X 33mm X 30° Trial (OEM)	00190776136406
480130533	20mm X 25mm X 33mm X 30° Trial (OEM)	00190776136413
480137861	7mm X 28mm X 36mm X 10° Trial (OEM)	00190776136420
480139861	8mm X 28mm X 36mm X 10° Trial (OEM)	00190776136437
480131861	10mm X 28mm X 36mm X 10° Trial (OEM)	00190776136444
480132861	12mm X 28mm X 36mm X 10° Trial (OEM)	00190776136451
480134861	14mm X 28mm X 36mm X 10° Trial (OEM)	00190776136468
480136861	16mm X 28mm X 36mm X 10° Trial (OEM)	00190776136475
480138861	18mm X 28mm X 36mm X 10° Trial (OEM)	00190776136482
480130861	20mm X 28mm X 36mm X 10° Trial (OEM)	00190776136499
480132865	12mm X 28mm X 36mm X 15° Trial (OEM)	00190776136505
480134865	14mm X 28mm X 36mm X 15° Trial (OEM)	00190776136512
480136865	16mm X 28mm X 36mm X 15° Trial (OEM)	00190776136529
480138865	18mm X 28mm X 36mm X 15° Trial (OEM)	00190776136536
480130865	20mm X 28mm X 36mm X 15° Trial (OEM)	00190776136543
480134860	14mm X 28mm X 36mm X 20° Trial (OEM)	00190776136550
480136860	16mm X 28mm X 36mm X 20° Trial (OEM)	00190776136567
480138860	18mm X 28mm X 36mm X 20° Trial (OEM)	00190776136574
480130860	20mm X 28mm X 36mm X 20° Trial (OEM)	00190776136581
480132860	22mm X 28mm X 36mm X 20° Trial (OEM)	00190776136598
480138862	18mm X 28mm X 36mm X 25° Trial (OEM)	00190776136604
480130862	20mm X 28mm X 36mm X 25° Trial (OEM)	00190776136611
480132862	22mm X 28mm X 36mm X 25° Trial (OEM)	00190776136628
480130863	20mm X 28mm X 36mm X 30° Trial (OEM)	00190776136635
480132863	22mm X 28mm X 36mm X 30° Trial (OEM)	00190776136642
480137161	7mm X 31mm X 36mm X 10° Trial (OEM)	00190776136659

Part Number	Description	GTIN
480139161	8mm X 31mm X 36mm X 10° Trial (OEM)	00190776136666
480131161	10mm X 31mm X 36mm X 10° Trial (OEM)	00190776136673
480132161	12mm X 31mm X 36mm X 10° Trial (OEM)	00190776136680
480134161	14mm X 31mm X 36mm X 10° Trial (OEM)	00190776136697
480136161	16mm X 31mm X 36mm X 10° Trial (OEM)	00190776136703
480138161	18mm X 31mm X 36mm X 10° Trial (OEM)	00190776136710
480130161	20mm X 31mm X 36mm X 10° Trial (OEM)	00190776136727
480132165	12mm X 31mm X 36mm X 15° Trial (OEM)	00190776136734
480134165	14mm X 31mm X 36mm X 15° Trial (OEM)	00190776136741
480136165	16mm X 31mm X 36mm X 15° Trial (OEM)	00190776136758
480138165	18mm X 31mm X 36mm X 15° Trial (OEM)	00190776136765
480130165	20mm X 31mm X 36mm X 15° Trial (OEM)	00190776136772
480136160	16mm X 31mm X 36mm X 20° Trial (OEM)	00190776136789
480138160	18mm X 31mm X 36mm X 20° Trial (OEM)	00190776136796
480130160	20mm X 31mm X 36mm X 20° Trial (OEM)	00190776136802
480138162	18mm X 31mm X 36mm X 25° Trial (OEM)	00190776136819
480130162	20mm X 31mm X 36mm X 25° Trial (OEM)	00190776136826
480130163	20mm X 31mm X 36mm X 30° Trial (OEM)	00190776136833
480137101	7mm X 31mm X 40mm X 10° Trial (OEM)	00190776136840
480139101	8mm X 31mm X 40mm X 10° Trial (OEM)	00190776136857
480131101	10mm X 31mm X 40mm X 10° Trial (OEM)	00190776136864
480132101	12mm X 31mm X 40mm X 10° Trial (OEM)	00190776136871
480134101	14mm X 31mm X 40mm X 10° Trial (OEM)	00190776136888
480136101	16mm X 31mm X 40mm X 10° Trial (OEM)	00190776136895
480138101	18mm X 31mm X 40mm X 10° Trial (OEM)	00190776136901
480130101	20mm X 31mm X 40mm X 10° Trial (OEM)	00190776136918
480132105	12mm X 31mm X 40mm X 15° Trial (OEM)	00190776136925
480134105	14mm X 31mm X 40mm X 15° Trial (OEM)	00190776136932
480136105	16mm X 31mm X 40mm X 15° Trial (OEM)	00190776136949
480138105	18mm X 31mm X 40mm X 15° Trial (OEM)	00190776136956
480130105	20mm X 31mm X 40mm X 15° Trial (OEM)	00190776136963
480136100	16mm X 31mm X 40mm X 20° Trial (OEM)	00190776136970
480138100	18mm X 31mm X 40mm X 20° Trial (OEM)	00190776136987
480130100	20mm X 31mm X 40mm X 20° Trial (OEM)	00190776136994
480132100	22mm X 31mm X 40mm X 20° Trial (OEM)	00190776137007
480130102	20mm X 31mm X 40mm X 25° Trial (OEM)	00190776137014
480132102	22mm X 31mm X 40mm X 25° Trial (OEM)	00190776137021
480132103	22mm X 31mm X 40mm X 30° Trial (OEM)	00190776137038
480139401	8mm X 34mm X 40mm X 10° Trial (OEM)	00190776137045
480130401	10mm X 34mm X 40mm X 10° Trial (OEM)	00190776137052
480132401	12mm X 34mm X 40mm X 10° Trial (OEM)	00190776137069
480134401	14mm X 34mm X 40mm X 10° Trial (OEM)	00190776137076
480136401	16mm X 34mm X 40mm X 10° Trial (OEM)	00190776137083
480138401	18mm X 34mm X 40mm X 10° Trial (OEM)	00190776137090
480131402	20mm X 34mm X 40mm X 10° Trial (OEM)	00190776137106
480134405	14mm X 34mm X 40mm X 15° Trial (OEM)	00190776137113
480136405	16mm X 34mm X 40mm X 15° Trial (OEM)	00190776137120
480138405	18mm X 34mm X 40mm X 15° Trial (OEM)	00190776137137
480130405	20mm X 34mm X 40mm X 15° Trial (OEM)	00190776137144
480136400	16mm X 34mm X 40mm X 20° Trial (OEM)	00190776137151
480138400	18mm X 34mm X 40mm X 20° Trial (OEM)	00190776137168
480130400	20mm X 34mm X 40mm X 20° Trial (OEM)	00190776137175
480130402	20mm X 34mm X 40mm X 25° Trial (OEM)	00190776137182
480132402	22mm X 34mm X 40mm X 25° Trial (OEM)	00190776137199
480134403	24mm X 34mm X 40mm X 30° Trial (OEM)	00190776137205
480149531	8mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137212
480141531	10mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137229
480142531	12mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137236
480144531	14mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137243
480146531	16mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137250
480148531	18mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137267
480140531	20mm X 25mm X 33mm X 10° Rasp Trial (OEM)	00190776137274
480142535	12mm X 25mm X 33mm X 15° Rasp Trial (OEM)	00190776137281
480144535	14mm X 25mm X 33mm X 15° Rasp Trial (OEM)	00190776137298

Part Number	Description	GTIN
480146535	16mm X 25mm X 33mm X 15° Rasp Trial (OEM)	00190776137304
480148535	18mm X 25mm X 33mm X 15° Rasp Trial (OEM)	00190776137311
480140535	20mm X 25mm X 33mm X 15° Rasp Trial (OEM)	00190776137328
480144530	14mm X 25mm X 33mm X 20° Rasp Trial (OEM)	00190776137335
480146530	16mm X 25mm X 33mm X 20° Rasp Trial (OEM)	00190776137342
480148530	18mm X 25mm X 33mm X 20° Rasp Trial (OEM)	00190776137359
480140530	20mm X 25mm X 33mm X 20° Rasp Trial (OEM)	00190776137366
480146532	16mm X 25mm X 33mm X 25° Rasp Trial (OEM)	00190776137373
480148532	18mm X 25mm X 33mm X 25° Rasp Trial (OEM)	00190776137380
480140532	20mm X 25mm X 33mm X 25° Rasp Trial (OEM)	00190776137397
480148533	18mm X 25mm X 33mm X 30° Rasp Trial (OEM)	00190776137403
480140533	20mm X 25mm X 33mm X 30° Rasp Trial (OEM)	00190776137410
480149861	8mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137427
480141861	10mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137434
480142861	12mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137441
480144861	14mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137458
480146861	16mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137465
480148861	18mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137472
480140861	20mm X 28mm X 36mm X 10° Rasp Trial (OEM)	00190776137489
480142865	12mm X 28mm X 36mm X 15° Rasp Trial (OEM)	00190776137496
480144865	14mm X 28mm X 36mm X 15° Rasp Trial (OEM)	00190776137502
480146865	16mm X 28mm X 36mm X 15° Rasp Trial (OEM)	00190776137519
480148865	18mm X 28mm X 36mm X 15° Rasp Trial (OEM)	00190776137526
480140865	20mm X 28mm X 36mm X 15° Rasp Trial (OEM)	00190776137533
480144860	14mm X 28mm X 36mm X 20° Rasp Trial (OEM)	00190776137540
480146860	16mm X 28mm X 36mm X 20° Rasp Trial (OEM)	00190776137557
480148860	18mm X 28mm X 36mm X 20° Rasp Trial (OEM)	00190776137564
480140860	20mm X 28mm X 36mm X 20° Rasp Trial (OEM)	00190776137571
480142860	22mm X 28mm X 36mm X 20° Rasp Trial (OEM)	00190776137588
480148862	18mm X 28mm X 36mm X 25° Rasp Trial (OEM)	00190776137595
480140862	20mm X 28mm X 36mm X 25° Rasp Trial (OEM)	00190776137601
480142862	22mm X 28mm X 36mm X 25° Rasp Trial (OEM)	00190776137618
480140863	20mm X 28mm X 36mm X 30° Rasp Trial (OEM)	00190776137625
480142863	22mm X 28mm X 36mm X 30° Rasp Trial (OEM)	00190776137632
480149161	8mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137649
480141161	10mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137656
480142161	12mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137663
480144161	14mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137670
480146161	16mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137687
480148161	18mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137694
480140161	20mm X 31mm X 36mm X 10° Rasp Trial (OEM)	00190776137700
480142165	12mm X 31mm X 36mm X 15° Rasp Trial (OEM)	00190776137717
480144165	14mm X 31mm X 36mm X 15° Rasp Trial (OEM)	00190776137724
480146165	16mm X 31mm X 36mm X 15° Rasp Trial (OEM)	00190776137731
480148165	18mm X 31mm X 36mm X 15° Rasp Trial (OEM)	00190776137748
480140165	20mm X 31mm X 36mm X 15° Rasp Trial (OEM)	00190776137755
480146160	16mm X 31mm X 36mm X 20° Rasp Trial (OEM)	00190776137762
480148160	18mm X 31mm X 36mm X 20° Rasp Trial (OEM)	00190776137779
480140160	20mm X 31mm X 36mm X 20° Rasp Trial (OEM)	00190776137786
480148162	18mm X 31mm X 36mm X 25° Rasp Trial (OEM)	00190776137793
480140162	20mm X 31mm X 36mm X 25° Rasp Trial (OEM)	00190776137809
480140163	20mm X 31mm X 36mm X 30° Rasp Trial (OEM)	00190776137816
480149101	8mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137823
480141101	10mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137830
480142101	12mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137847
480144101	14mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137854
480146101	16mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137861
480148101	18mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137878
480140101	20mm X 31mm X 40mm X 10° Rasp Trial (OEM)	00190776137885
480142105	12mm X 31mm X 40mm X 15° Rasp Trial (OEM)	00190776137892
480144105	14mm X 31mm X 40mm X 15° Rasp Trial (OEM)	00190776137908
480146105	16mm X 31mm X 40mm X 15° Rasp Trial (OEM)	00190776137915
480148105	18mm X 31mm X 40mm X 15° Rasp Trial (OEM)	00190776137922
480140105	20mm X 31mm X 40mm X 15° Rasp Trial (OEM)	00190776137939

Part Number	Description	GTIN
480146100	16mm X 31mm X 40mm X 20° Rasp Trial (OEM)	00190776137946
480148100	18mm X 31mm X 40mm X 20° Rasp Trial (OEM)	00190776137953
480140100	20mm X 31mm X 40mm X 20° Rasp Trial (OEM)	00190776137960
480142100	22mm X 31mm X 40mm X 20° Rasp Trial (OEM)	00190776137977
480140102	20mm X 31mm X 40mm X 25° Rasp Trial (OEM)	00190776137984
480142102	22mm X 31mm X 40mm X 25° Rasp Trial (OEM)	00190776137991
480142103	22mm X 31mm X 40mm X 30° Rasp Trial (OEM)	00190776138004
480149401	8mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138011
480141401	10mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138028
480142401	12mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138035
480144401	14mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138042
480146401	16mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138059
480148401	18mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138066
480140401	20mm X 34mm X 40mm X 10° Rasp Trial (OEM)	00190776138073
480144405	14mm X 34mm X 40mm X 15° Rasp Trial (OEM)	00190776138080
480146405	16mm X 34mm X 40mm X 15° Rasp Trial (OEM)	00190776138097
480148405	18mm X 34mm X 40mm X 15° Rasp Trial (OEM)	00190776138103
480140405	20mm X 34mm X 40mm X 15° Rasp Trial (OEM)	00190776138110
480146400	16mm X 34mm X 40mm X 20° Rasp Trial (OEM)	00190776138127
480148400	18mm X 34mm X 40mm X 20° Rasp Trial (OEM)	00190776138134
480140400	20mm X 34mm X 40mm X 20° Rasp Trial (OEM)	00190776138141
480140402	20mm X 34mm X 40mm X 25° Rasp Trial (OEM)	00190776138158
480142402	22mm X 34mm X 40mm X 25° Rasp Trial (OEM)	00190776138165
480144403	24mm X 34mm X 40mm X 30° Rasp Trial (OEM)	00190776138172