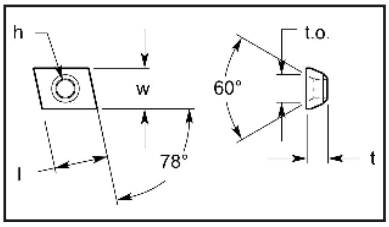
Ultra-met®

carbide technologies

# Milling

ON EDGE MILLING
PARALLELOGRAMS
SQUARE SHOULDER MILLING
GEAR BLANK
WEDGE BLANK PCD
HEXAGONS
OCTOGONS
PENTAGONS
ROUND
SQUARE
TRIANGLE

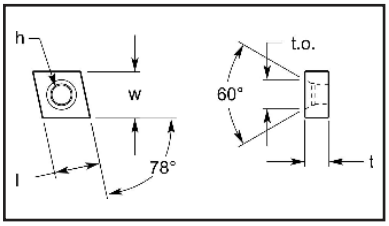
## Positive On Edge Milling With Hole and Chamfers



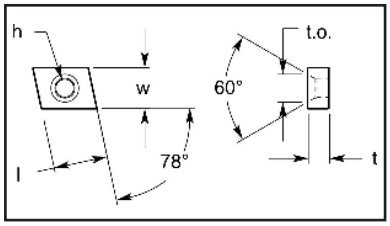

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| CDR322L | .160/.168 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR322R | .160/.168 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR323L | .200/.208 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR323R | .200/.208 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |

## On Edge Milling With Hole

- variable thickness quoted on request



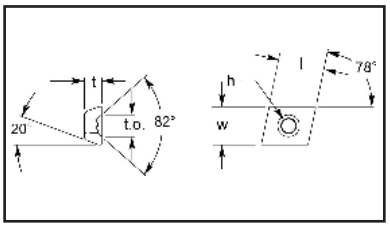

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| CDR313L32-NEG | .198/.206 | .391/.401 | .391/.401 | .160/.170 | .245/.255 |




- variable thickness quoted on request

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| CDR322L-NEG | .160/.168 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR322R-NEG | .160/.168 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR323L-NEG | .200/.208 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR323R-NEG | .200/.208 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR324L25-NEG | .260/.268 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |
| CDR324R25-NEG | .260/.268 | .385/.395 | .510/.522 | .162/.174 | .257/.269 |

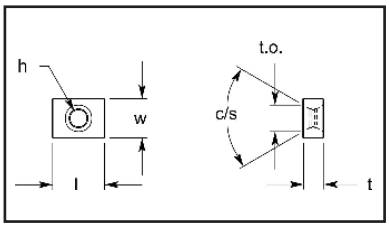
## Positive On Edge Milling With Hole And Chamfers



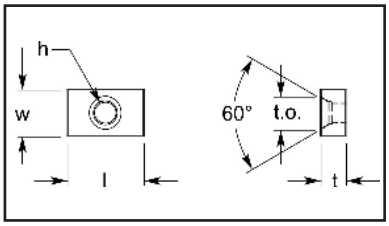

Left hand shown

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| CDR424L30 | .263/.271 | .578/.586 | .702/712 | .207/.219 | .331/.337 |
| CDR424R30 | .263/.271 | .578/.586 | .702/.712 | .207/.219 | .331/.337 |

## On Edge Milling With Hole • variable thickness quoted on request



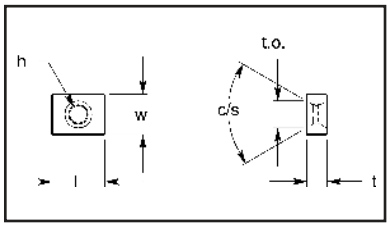

| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/s |
| LNR313 | .202/.207 | .389/.395 | .515/.525 | .162/.174 | .257/.269 | 60° |
| LNR314 | .265/.270 | .389/.395 | .515/.525 | .162/.174 | .257/.269 | 60° |
| LNR323 | .202/.207 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR323-01 | .202/.207 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR323-02 | .202/.207 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR323-03 | .232/.240 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR323-24 | .232/.240 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR323MOD | .202/.207 | .389/.395 | .639/.645 | .197/.209 | .322/.334 | 82° |
| LNR324 | .265/.270 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR324-01 | .265/.270 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR325 | .322/.330 | .389/.395 | .640/.650 | .162/.174 | .257/.269 | 60° |
| LNR423 | .202/.207 | .515/.525 | .640/.650 | .207/.219 | .328/.340 | 82° |
| LNR423-20 | .202/.207 | .515/.525 | .640/.650 | .207/.219 | .328/.340 | 82° |
| LNR424 | .265/.270 | .515/.525 | .640/.650 | .207/.219 | .328/.340 | 82° |
| LNR425 | .324/.330 | .515/.525 | .640/.650 | .207/.219 | .328/.340 | 82° |
| LNR425-MOD | .324/.330 | .515/.525 | .640/.650 | .207/.219 | .306/.318 | 82° |
| LNR433 | .202/.207 | .515/.525 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR433-16 | .198/.206 | .579/.585 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR434-02 | .265/.270 | .579/.585 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR434-05 | .265/.270 | .579/.585 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR434-20 | .265/.270 | .515/.525 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR435 | .322/.330 | .515/.525 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR436 | .385/.393 | .579/.585 | .765/.775 | .207/.219 | .328/.340 | 82° |
| LNR443-01 | .202/.207 | .579/.585 | 1.020/1.040 | .207/.219 | .328/.340 | 82° |
| LNR443-20 | .202/.207 | .515/.525 | 1.020/1.040 | .207/.219 | .328/.340 | 82° |
| LNR444 | .265/.270 | .515/.525 | 1.020/1.040 | .207/.219 | .328/.340 | 82° |
| LNR445 | .327/.322 | .515/.525 | 1.020/1.040 | .207/.219 | .328/.340 | 82° |
| LNR445-.250RAD | .328/.333 | .577/.587 | 1.020/1.040 | .207/.219 | .328/.340 | 82° |
| LNRQ3.524.177H | .265/.270 | .450/.456 | .516/.524 | .174/.180 | .233/.239 | 40° |
| LNRQ42.54.220H | .257/.261 | .512/.530 | .642/.662 | .216/.224 | .291/.295 | 40° |
| LNRY32.53 | .203/.208 | .390/.395 | .640/.645 | .165/.171 | .257/.263 | 60° |




• variable thickness quoted on request

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| LNRW-200X375X625 | .210/.218 | .390/.395 | .640/.645 | .162/.174 | .260/.266 |
| LNRW125X375X625 | .135/.143 | .389/.395 | .640/.650 | .163/.173 | .258/.268 |
| LNRW14X375X625DU | .151/.157 | .389/.395 | .652/.662 | .162/.174 | .260/.266 |
| LNRW170X375X625 | .181/.187 | .389/.395 | .640/.645 | .165/.171 | .260/.266 |
| LNRW222X375X625 | .233/.239 | .389/.395 | .640/.650 | .165/.171 | .260/.266 |
| LNRW32.530 | .198/.203 | .390/.395 | .640/.645 | .165/.171 | .257/.263 |

## NEW On Edge Milling With Hole




| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| LNRW187X312X7750 | .197/.205 | .327/.337 | .768/.778 | .165/.171 | .260/.266 |

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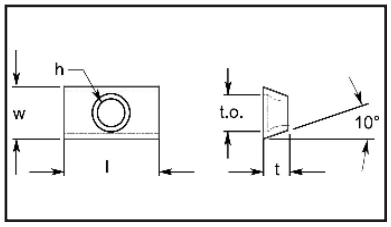
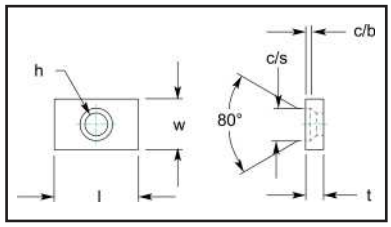
## Positive On Edge Milling With ISO Style Hole




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/s |
| 21.000473.100.2 | .260/.268 | .517/.523 | .891/.897 | .173/.177 | .234/.238 | iso |
| LNRW21.001593 | .260/.268 | .517/.523 | .986/.992 | .173/.177 | .234/.238 | iso |

NEW

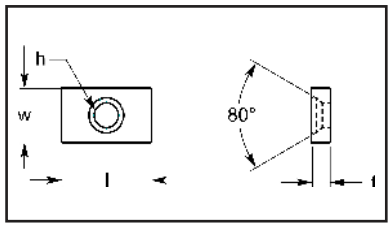
## On Edge Milling




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | c/s | c/b |
| LNRB32.52-UM | .135/.143 | .387/.393 | .640/.650 | .165/.185 | .240/.260 | .033/.041 |

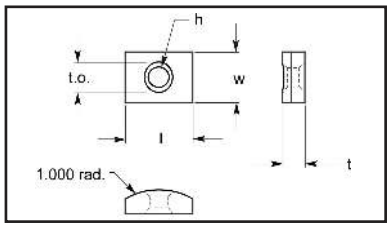
NEW

## On Edge Milling

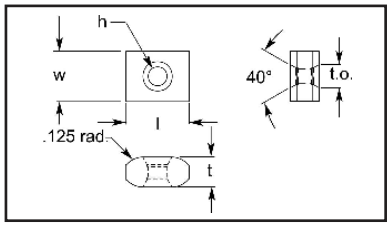



| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | t | w | l | h |
| 059X297X472-BLK | .075/.083 | .294/.300 | .468/.476 | .151/.157 |

## On Edge Milling With Hole

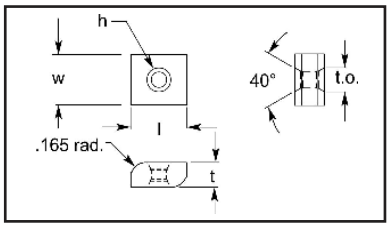



| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| LNR434-1.000RAD | .265/.270 | .579/.585 | .765/.775 | .207/.219 | .349/.361 |

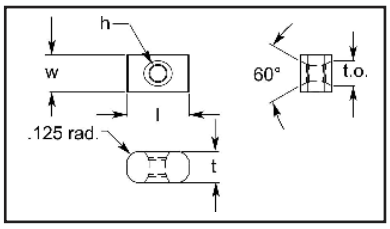



| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | r |
| D-21-1457-00 | .325/.331 | .445/.455 | .512/.522 | .161/.167 | .249/.259 | .081/.091 |
| LNRQ11.14.06.00 | .267/.273 | .449/.457 | .566/.576 | .174/.180 | .233/.239 | 0.125 |

## On Edge Milling With Hole

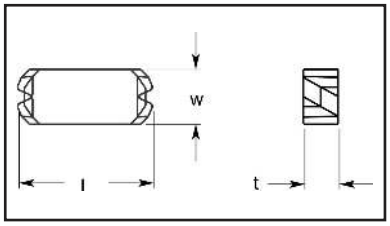



| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| LNRQ13.15.06.00 | .267/.273 | .548/.556 | .610/.620 | .167/.180 | .233/.239 |



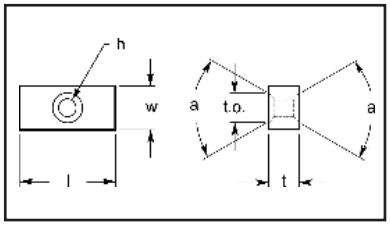

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| LNR325.125R | .322/.330 | .389/.395 | .640/.650 | .164/.172 | .259/.267 |

## On Edge Milling

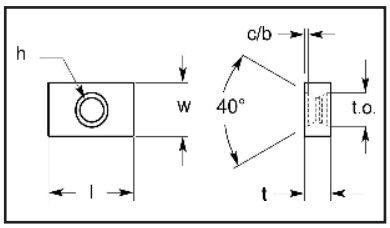



| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| LNRX1806AZL11 | .265/.275 | .408/.418 | .972/.982 |
| LNRX1806AZR11 | .265/.275 | .408/.418 | .972/.982 |

## On Edge Milling With Hole




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | a |
| 1035AS | .327/.337 | .765/.775 | 1.270/1.290 | .216/.221 | .439/.445 | 82° |
| 22-000060-100-1 | .257/.261 | .512/.530 | .642/.662 | .216/.224 | .291/.295 | 40° |
| 9ZE2448-1 | .329/.335 | .515/.525 | .765/.775 | .201/.206 | .350/.358 | 82° |
| DWG#M8932C | .198/.206 | .389/.395 | .640/.650 | .201/.205 | .306/.316 | 82° |
| DWG#M8932-DET#3A | .185/.191 | .389/.395 | .640/.650 | .201/.205 | .306/.316 | 82° |
| DWG#T604207 | .202/.207 | .390/.395 | .642/.648 | .167/.171 | .297/.313 | 82° |
| DWG#U-4682 | .265/.270 | .450/.456 | .516/.524 | .174/.180 | .233/.239 | 40° |
| SCBI353A | .202/.207 | .390/.400 | .644/.654 | .202/.210 | .323/.333 | 82° |
| SK#2329-7 | .322/.330 | .515/.525 | .640/.650 | .207/.219 | .331/.337 | 82° |
| SK#DT-30 | .198/.206 | .389/.395 | .640/.650 | .200/.206 | .325/.331 | 82° |
| TD-11950-2 | .257/.261 | .512/.530 | .642/.662 | .216/.224 | .291/.295 | 40° |




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| M56288-07 | .305/.311 | .447/.453 | .514/.520 | .172/.182 | .223/.233 | .053/.059 |
| M56288-25 | .309/.315 | .488/.498 | .725/.735 | .172/.182 | .224/.234 | .044/.054 |
| M56288-26 | .313/.319 | .453/.463 | .571/.581 | .172/.182 | .224/.234 | .049/.054 |

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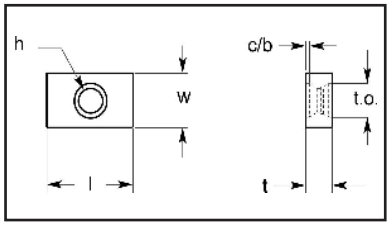
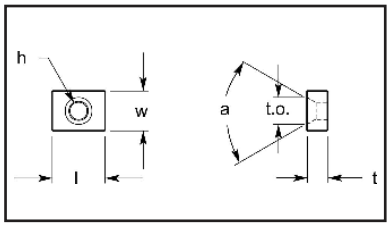
# On Edge Milling

## On Edge Milling With ISO Style Hole




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| A-102-0703 | .263/.271 | .389/.395 | .640/.650 | .168/.178 | .234/.244 | .030 |
| DWG#E-17099-020BLANK | .198/.206 | .389/.395 | .640/.650 | .170/.176 | .236/.242 | .030 |

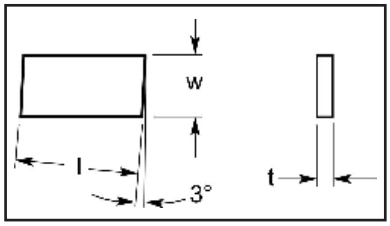
## On Edge Milling With Hole And Countersink



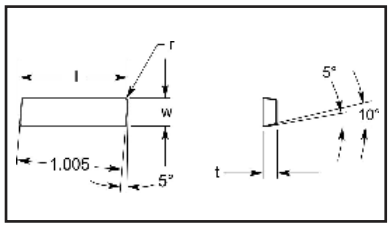

| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | a |
| MTB8761-31B | .135/.143 | .389/.395 | .640/.650 | .163/.173 | .258/.268 | 60° |
| U-4150-NEG | .200/.206 | .389/.395 | .515/.525 | .158/.162 | .237/.243 | 50° |

# Parallelogarms

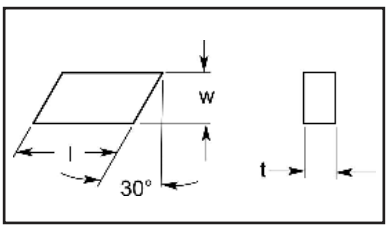
## Parallelogram




| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| UBCBP15"0"-NEG | .140/.145 | .517/.523 | 1.028.1.035 |

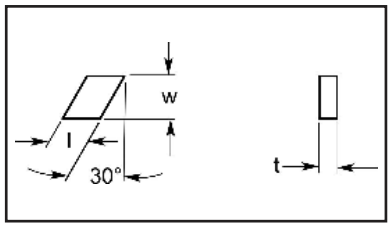



| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | t | w | l | r |
| UABC2442 | .136/.142 | .263/.269 | 1.020/1.030 | 1/32 |
| UABC2448 | .136/.142 | .263/.269 | 1.006/1.016 | 1/8 |

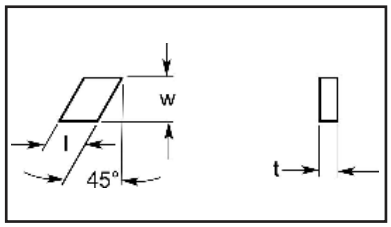



| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| OSP-5 | .198/.206 | .425/.431 | .640/.650 |
| OSP-6 | .229/.237 | .425/.431 | .642/.648 |
| UOSP5 | .202/.207 | .428/.433 | .640/.645 |

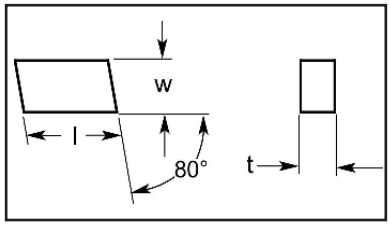
## Parallelogram



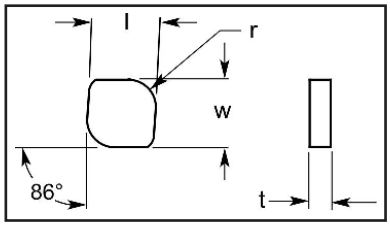

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| DWG#U-5616 | .105/.111 | .200/.206 | .262/.268 |



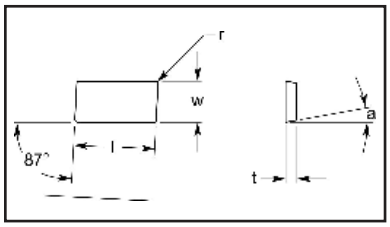

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| DWG#U-5617 | .105/.111 | .200/.206 | .262/.268 |



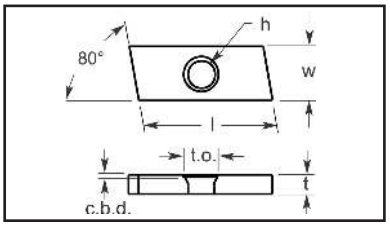

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| UM-1376 | .262/.268 | .392/.398 | .702/.710 |




| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | t | w | l | r |
| #2558-5972 | .327/.332 | 1.020/1.030 | 1.028/1.038 | 16/39 |




| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | r | a |
| BCBP15-NEG | .140/.145 | .517/.523 | 1.025/1.035 | 0 | 0° |
| BCBP15RH | .140/.145 | .517/.523 | 1.020/1.035 | 3/64 | 10° |




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| SK-1783-EMP | .100/.106 | .276/.284 | .685/.695 | .131/.137 | .174/.180 | .009/.015 |

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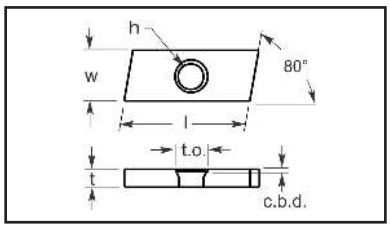
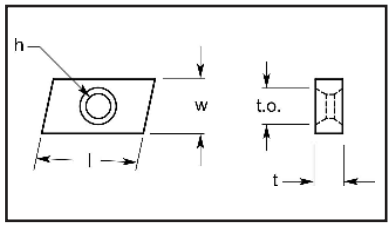
# Parallelograms

## Parallelogram



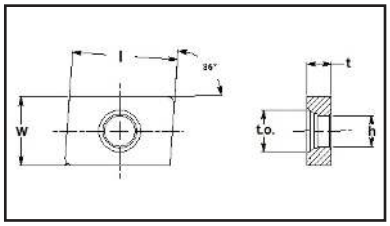

| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| SK-1783-L-EMP | .100/.106 | .276/.284 | .685/.695 | .131/.137 | .174/.180 | .009/.015 |

## Parallelogram Milling Blank With ISO Style Hole




| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| CNR343-02 | .260/.268 | .448/.458 | 1.152/1.164 | .163/.173 | .251/.261 |

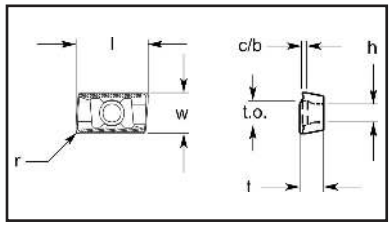
## NEW Parallelogram



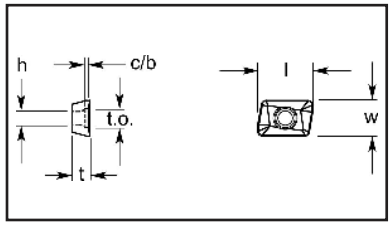

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | w | l | h | t.o. |
| CNDR322 | .135/.145 | .387/.397 | .601/.611 | .173/.183 | .244/.254 |

# Square Shoulder

## Square Shoulder Milling Blank With Chipbreaker And ISO Style Hole

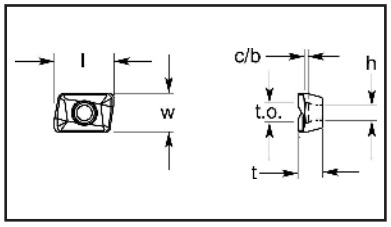



| Part No. | Dimensional Specifications | | | | | | |
|---|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b | r |
| APRX1604PDR-ME12 | .227/.233 | .389/.395 | .690/.696 | .170/.176 | .233/.239 | .047/.053 | .031 |

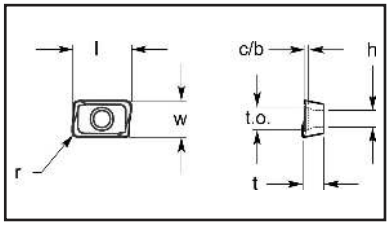



| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| ADRT100308 | .140/.146 | .277/.283 | .406/.412 | .107/.113 | .143/.149 | .037/.043 |

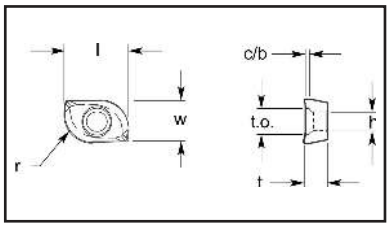
# Square Shoulder Milling Blank With Chipbreaker And ISO Style Hole



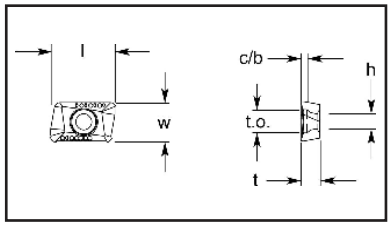

| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| ADRT100304HM | .174/.180 | .277/.283 | .406/.412 | .107/.113 | .143/.149 | .037/.043 |



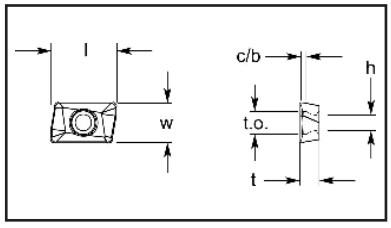

| Part No. | Dimensional Specifications | | | | | | |
|---|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b | r |
| ADST150516RHM | .224/.228 | .373/.377 | .612/.616 | .176/.182 | .244/.250 | .027/.033 | .063 |




| Part No. | Dimensional Specifications | | | | | | |
|---|---|---|---|---|---|---|---|
| | t | w | l | h | t.o | c/b | r |
| ADRT150564RHM | .212/.216 | .390/.394 | .593/.597 | .177/.183 | .245/.251 | .027/.033 | .250 |

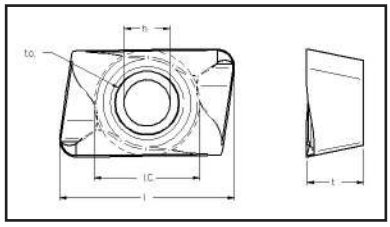



| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| APRT160412EXM | .193/.199 | .408/.414 | .644/.650 | .157/.163 | .233/.239 | .022/.028 |




| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| APRT160412 | .193/.199 | .408/.414 | .644/.650 | .157/.163 | .233/.239 | .052/.058 |

NEW



| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | t | w | l | h | t.o. | c/b |
| APST434 | .209/.215 | .393/.399 | .649/.655 | .168/.178 | .231/.241 | 0.031 |

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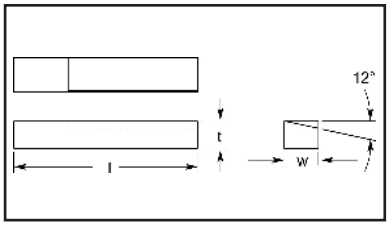
# Gear Blank

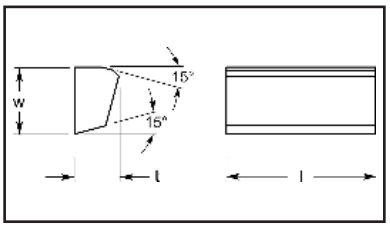
## NEW Stick Blank Gear Blanks




| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| 4X5X4.0-12LH | .420/.430 | .520/.530 | 4.000/4.030 |
| 4X5X4.0-12RH | .420/.430 | .520/.530 | 4.000/4.030 |
| 6/775/4.25/12L | .620/.630 | .795/.805 | 4.250/4.280 |
| 6/775/4.25/12R | .620/.630 | .795/.805 | 4.250/4.280 |

# Wedge Blank PCD

## Wedge Style Milling Blank

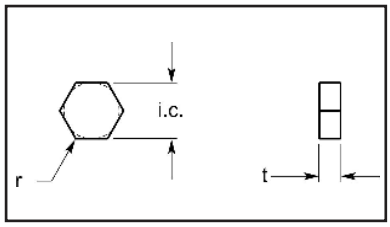



| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | w | l |
| UDLB1 | .262/.272 | .390/.400 | .890/.900 |

# Hexagons

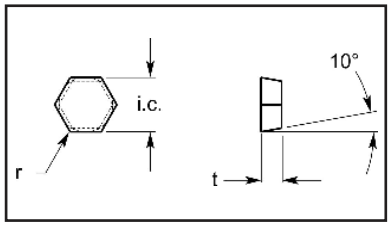
## Negative Hexagon

- variable thickness quoted on request




| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | i.c. | r |
| HNR532 | .195/.200 | .638/.642 | 1/32 |
| HNR530 | .198/.206 | .639/.645 | 0 |
| HNR630 | .198/.206 | .764/.770 | 0 |
| HNR633 | .198/.206 | .764/.770 | 3/64 |

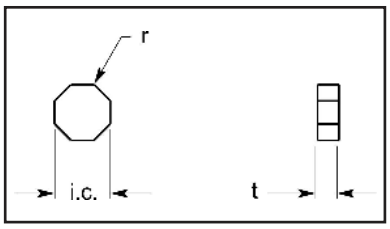
## Positve Hexagon




| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | i.c. | r |
| HPR531 | .198/.206 | .639/.645 | 1/64 |
| HPR631 | .198/.206 | .764/.770 | 1/64 |
| WHPR532 | .202/.207 | .663/.673 | 1/32 |
| WHPR633 | .202/.207 | .788/.798 | 3/64 |

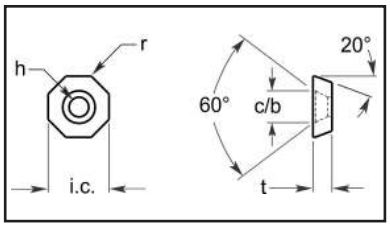
## Negative Octagon

- variable thickness quoted on request



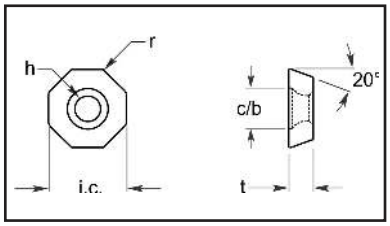

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | i.c. | r |
| ONR320 | .137/.143 | .390/.396 | 0 |
| ONR420 | .135/.143 | .514/.520 | 0 |
| ONR430 | .202/.207 | .514/.520 | 0 |
| ONR630 | .198/.206 | .760/.766 | 0 |
| ONR640 | .260/.268 | .764/.770 | 0 |

## Positive Octagon With Hole And Countersink



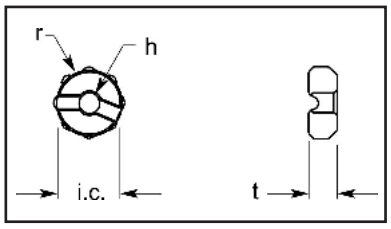

| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | i.c. | h | c/b | r |
| OERW532-UM | .198/.206 | .639/.645 | .211/.217 | .307/.313 | 1/32 |

## Positive Octagon With ISO Style Hole




| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | i.c. | h | c/b | r |
| OERB532-UM | .205/.213 | .639/.645 | .201/.207 | .327/.333 | 1/32 |

## Negative Octagon With Hole




| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | t | i.c. | h | r |
| 853OCTX343T | .360/.366 | .848/.858 | .245/.255 | .317/.327 |
| 997OCTX445T | .462/.468 | .992/1.002 | .290/.300 | .560/.570 |

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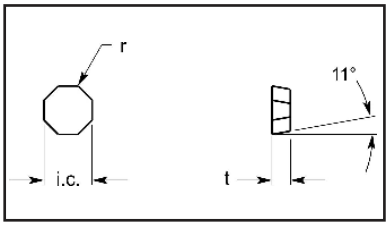
# Octagons

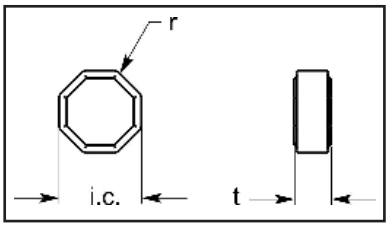
## Positive Octagon




| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | | |
| OPR430 | .198/.206 | .514/.520 | 0 |
| OPR640 | .260/.268 | .764/.770 | 0 |

## Negative Octagon With Chipbreakers

- variable thickness quoted on request



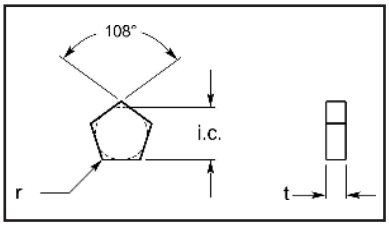

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | t | i.c. | r |
| ONSF544F | .276/.282 | .620/.630 | 1/16 |

# Pentagons



## Negative Pentagon

• variable thickness quoted on request

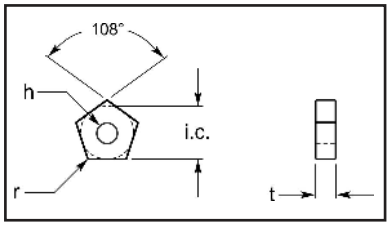



| | Part No. | Dimensional Specifications t | i.c. | r |
|---|---|---|---|---|
| | PM10-3-0 | .104/.112 | .325/.332 | 0 |
| | PNR220 | .104/.114 | .260/.268 | 0 |
| | PNR320 | .135/.143 | .389/.395 | 0 |
| | PNR420 | .135/.143 | .514/.520 | 0 |
| | PNR430 | .198/.206 | .514/.520 | 0 |
| | PNR432 | .198/.206 | .514/.520 | 1/32 |
| | PNR630 | .200/.208 | .767/.777 | 0 |
| | PNR634 | .202/.208 | .767/.777 | 1/16 |
| ✻ | PNS332 | .200/.208 | .372/.378 | 1/32 |
| ✻ | PNS433 | .199/.205 | .497/.503 | 3/64 |

✻ No grind stock on periphery

## Negative Pentagon With Hole

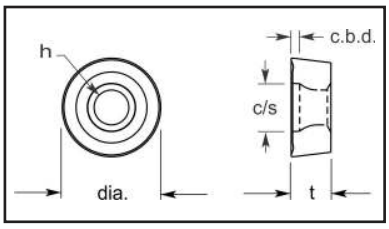
• variable thickness quoted on request




| | Part No. | Dimensional Specifications t | i.c. | r | h |
|---|---|---|---|---|---|
| | PNRA640 | .265/.275 | .767/.777 | 0 | .247/.253 |
| ✻ | PNSA332 | .200/.208 | .372/.378 | 1/32 | .148/.152 |
| ✻ | PNSA433 | .199/.205 | .497/.503 | 3/64 | .200/.206 |

✻ No grind stock on periphery

## NEW Round Positive Milling Insert




| Part No. | Dimensional Specifications t | dia. | h | c/s | c.b.d |
|---|---|---|---|---|---|
| RCRT1204MOHP | .194/.200 | .486/.492 | .170/.176 | .233/.239 | .032/.038 |

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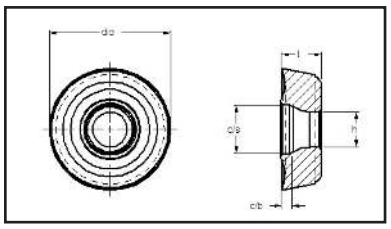
# Round

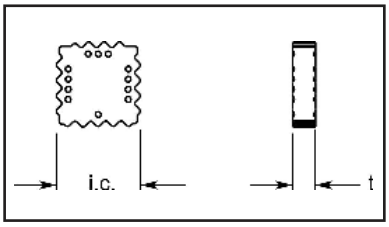
## NEW Round Positive Milling Insert



| Part No. | Dimensional Specifications | | | | |
|---|---|---|---|---|---|
| | t | dia. | h | c/s | c/b |
| RPLH190500TN-B | .243/.253 | .748/.754 | .213/.219 | .292/.298 | .062/.072 |

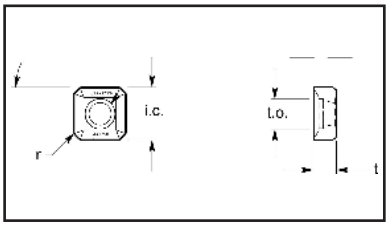
# Square

## Square Negative Serrated Milling



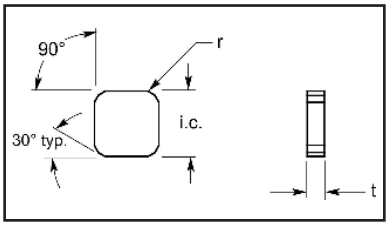

| Part No. | Dimensional Specifications | |
|---|---|---|
| | i.c. | t |
| U4T75 | .747/.753 | .202/.206 |
| U4T75Q | .747/.753 | .265/.269 |

## Utility Square Negative Chipbreaker With ISO Style Hole



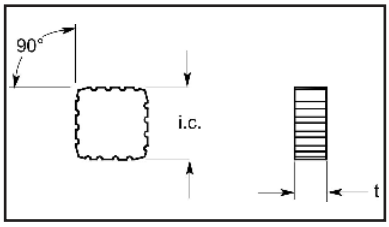

| Part No. | Dimensional Specifications | | | | | |
|---|---|---|---|---|---|---|
| | i.c. | t | h | t.o. | c/b | r |
| SNSX1305AN | .509/.515 | .224/.230 | .214/.220 | .292/.298 | .016 deep | .016 |

## Square Negative Double Facets



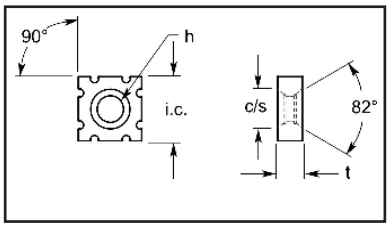

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | i.c. | t | r |
| SNR63K | .764/.770 | .198/.206 | 0 |

## Utility Serrated Square Negative • variable thickness quoted on request



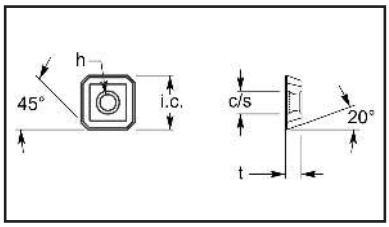

| Part No. | Dimensional Specifications | |
|---|---|---|
| | i.c. | t |
| DWG#U-3326.187T | .752/.758 | .202/.207 |
| DWG#U-3326.250T | .752/.758 | .265/.270 |

## Serrated Square With Hole And Dbl Countersink



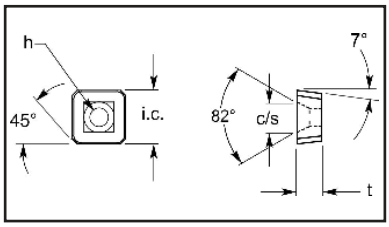

| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | i.c. | t | h | c/s |
| SCBIR430-MOD | .514/.520 | .198/.206 | .206/.212 | .320/.326 |

## Square Positive Chipbreaker With ISO Style Hole



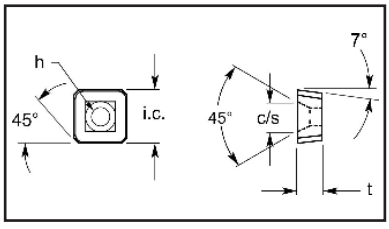

| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | i.c. | t | h | c/s |
| SERX.528IC.156T | .542/.548 | .161/.167 | .178/.164 | .229/.235 |
| SERX1304AFN | .527/.533 | .193/.199 | .214/.220 | .292/.298 |

## Square Positive Chipbreaker With Hole And Countersink



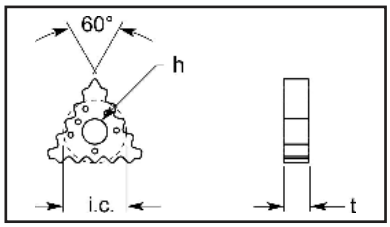

| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | i.c. | t | h | c/s |
| DWG#U-3766 | .514/.520 | .200/.206 | .198/.202 | .289/.295 |

## Square Positive Chipbreaker With Hole And Countersink



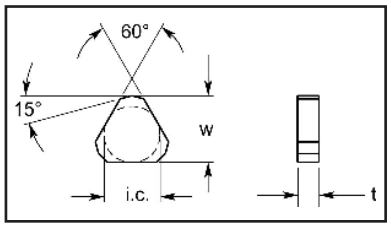

| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | i.c. | t | h | c/s |
| DWG#U4171 | .514/.520 | .200/.206 | .212/.218 | .275/.281 |

## Triangle Negative Serrated Milling With Hole • variable thickness quoted on request



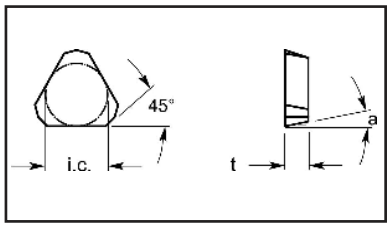

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | i.c. | t | h |
| U3T50 | .497/.503 | .202/.206 | .200/.206 |
| U3T50Q | .497/.503 | .264/.268 | .200/.206 |

## Triangle Negative Double Facet



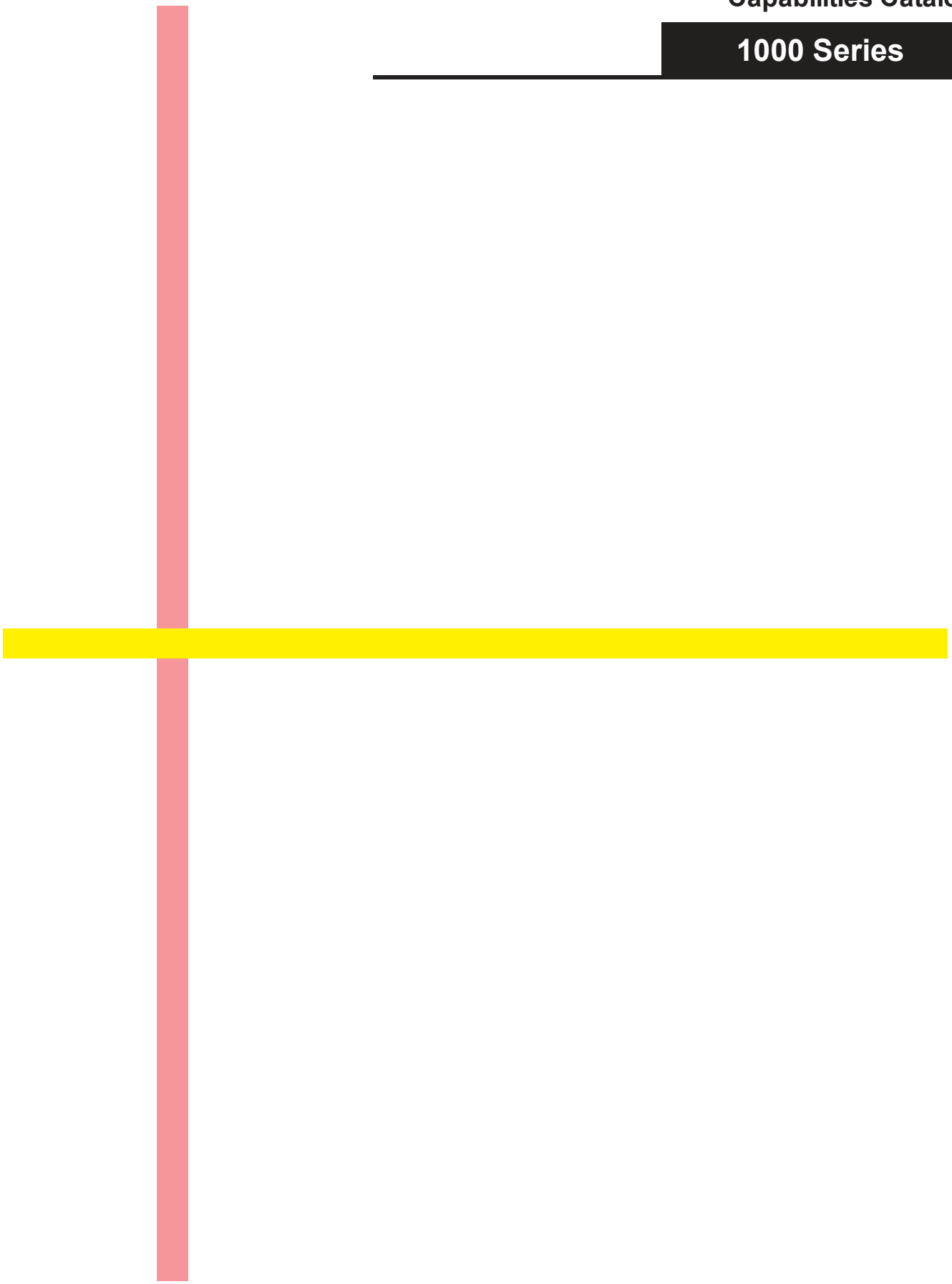

| Part No. | Dimensional Specifications | | |
|---|---|---|---|
| | i.c. | t | w |
| TNRN1204AN | .520/.527 | .198/.206 | .609/.623 |

## Triangle Positive Double Facet




| Part No. | Dimensional Specifications | | | |
|---|---|---|---|---|
| | i.c. | t | clear | flat |
| TPK43PDR/PDL | .497/.503 | .198/.202 | 11° 30' | .008 max |

# 1000 Series



# 1000 Series

# 1000 Series

# 1000 Series