

GOLD RUSH

Member IMC Group
Ingersoll
Cutting Tools

GENERAL PRODUCT CATALOG





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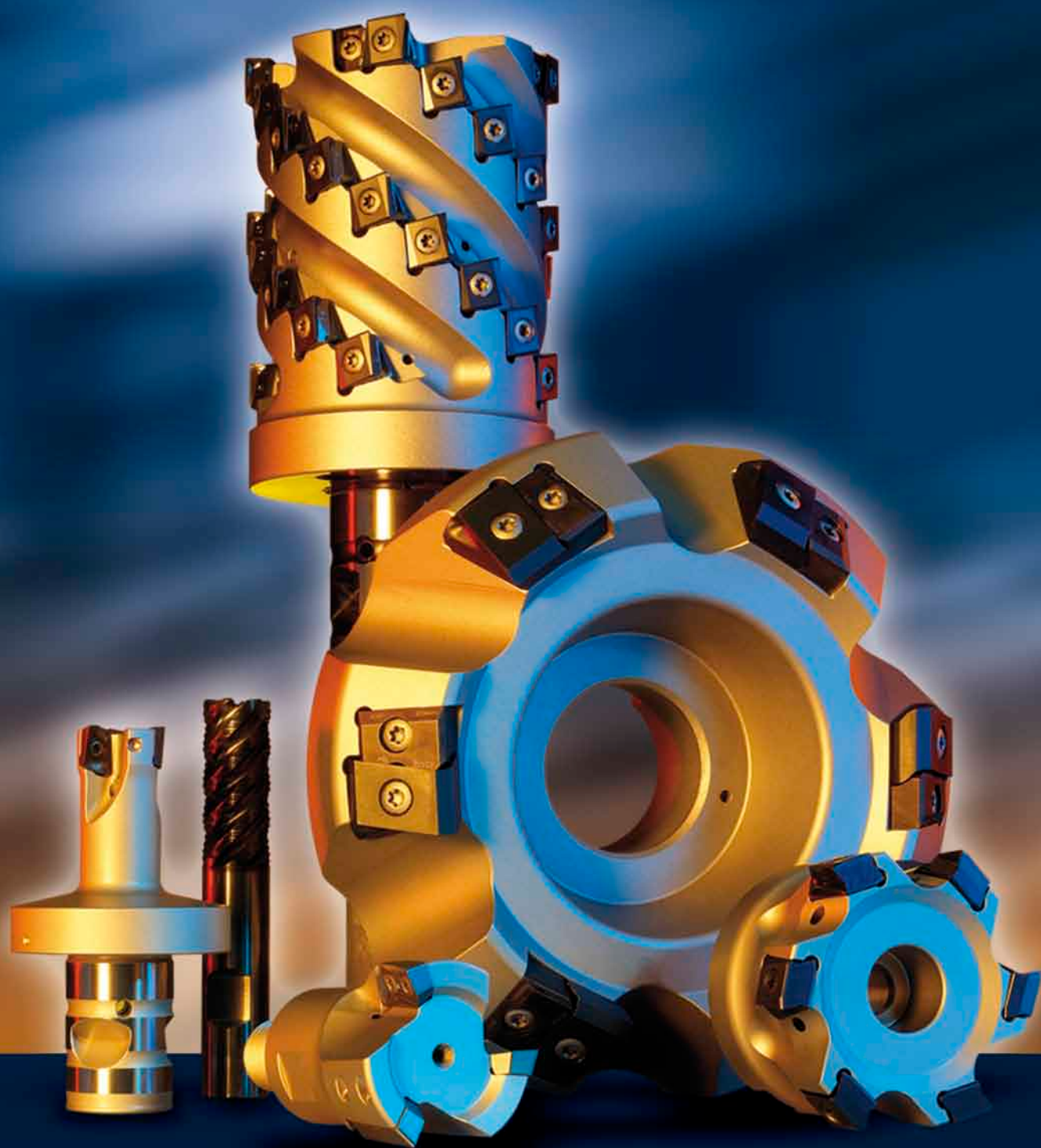
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Indersoll

0° END MILLS

LONG-EDGE END MILLS

0° FACE MILLS

LEAD ANGLE FACE MILLS

SLOTTING MILLS

LEAD ANGLE & FORM MILLS

PROFILE, HI FEED & PLUNGING MILLS

SOLID CARBIDE MILLING CUTTERS

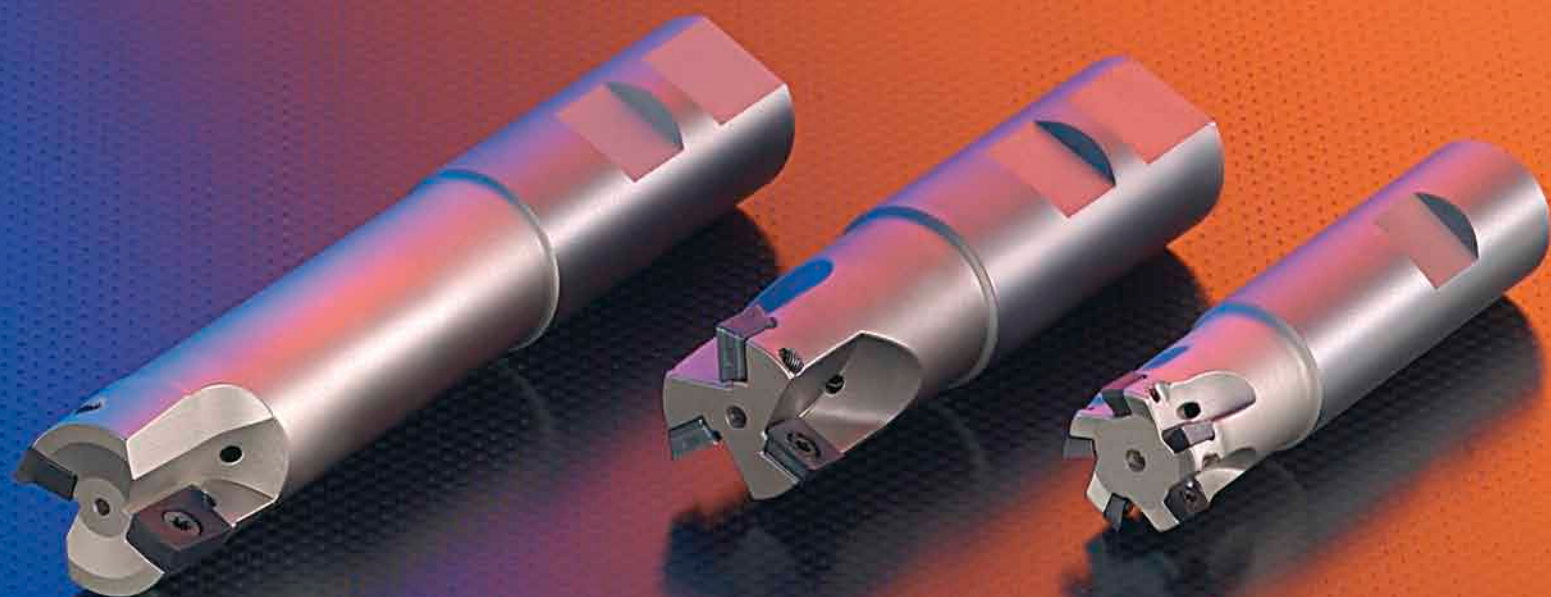
THREAD & BORING TOOLS

Ingersoll



0° END MILLS.

Cutting Tools



Member IMC Group
Ingersoll
Cutting Tools

0° END MILLS.

	Diameter	Depth of Cut	Description	Series	Page
	.375 - 1.000	.22	Hi-POS® 0° Lead End Mill	12J1D	14
	.750 - 2.000	.22	Hi-POS® 0° Lead End Mill Shank for Live Tooling & Swiss	12J1D (Straight Shank)	16
	.500 - 1.500	.22	Hi-POS® 0° Lead End Mill	12J1D (Top-On Style)	17
	.375 - .750	.22	Hi-POS® 0° Lead End Mill	12J1D (Chip-Surfer Style)	18
	.500 - 1.500	.25	Hi-POS+ 0° Lead End Mill	12J1P	20
	.625 - 1.250	.35	Hi-POS+ 0° Lead End Mill	12J1P (Top-On Style)	22
	.725 - 1.500	.50	Hi-POS+ 0° Lead End Mill	12J1X	24
	2.000	.21	Hi-POS+ 15° Lead End Mill	12R1X	26
	.750 - 1.500	.50	Hi-POS+ 0° Lead End Mill	12J1X (Top-On Style)	28
	.750 - 1.500	.50	Hi-POS+ Back Drafted End Mill	12V1X (Top-On Style)	30

	Diameter	Cutting Depth	Description	Series	Page
	.750 - 1.500	.50	Hi-POS+ 0° Lead End Mill	12J1R	32
	.750 - 2.000	.63	Hi-POS+ 0° Lead End Mill	12J1G	34
	1.000 - 1.250	.60	Hi-POS+ 0° Lead End Mill	12J1G (Top-On Style)	36
	.970 - 2.000	.66	Hi-POS+ 0° Lead End Mill	12J1E, 12J4E	38
	1.000 - 1.250	.66	Hi-POS+ 0° Lead End Mill	12J1E (Top-On Style)	40
	1.250 - 2.000	.59	TETRA 0° Lead End Mill	1TJ1N	42
	1.250 - 1.500	.59	TETRA 0° Lead End Mill	1TJ1N (Top-On Style)	43
	.750 - 1.500	.31	EVO-TEC MINI 0° Lead End Mill	1SJ1Y	44
	.750 - 1.500	.31	EVO-TEC MINI 0° Lead End Mill	1SJ1Y (Top-On Style)	46
	.750 - 1.000	.31	EVO-TEC MINI 0° Lead End Mill	1SJ1Y (Chip Surfer Style)	47

0° END MILLS.

	Diameter	Cutting Depth	Description	Series	Page
	1.000 - 1.500	.42	EVO•TEC 0° Lead End Mill	1SJ1F	48
	1.000 - 1.500	.42	EVO•TEC 0° Lead End Mill (Top-On Style)	1SJ1F (Top-On Style)	50
	.625 - 1.250	.31	HI•POSQUAD 0° Lead End Mill	15J1E	52
	.750 - 1.500	.61	ROUGH•AIR 0° Lead High-Speed Router End Mill (Aluminum)	15X1W	54
	1.500 - 3.000	.61	ROUGH•AIR 0° Lead High-Speed Router End Mill (Aluminum) (HSK Adaption)	15X1W (HSK Adaption)	56
	.750 - 1.500	.61	ROUGH•AIR 0° Lead High-Speed Router End Mill (Aluminum) (Top-On Style)	15X1W (Top-On Style)	57
	1.000 - 2.000	.62	ROUGH•AIR 0° Lead High-Speed Router End Mill (Aluminum)	15X1X	58
	1.250 - 1.500	.82	ROUGH•AIR 0° Lead High-Speed Router End Mill (Aluminum) (Top-On Style)	15X1X (Top-On Style)	59
	2.000	.99	ROUGH•AIR 0° Lead High-Speed Router End Mill (Aluminum)	15X1Z	60
	1.000 - 2.000	.43	ALUMINATOR 0° Lead High-Speed Router End Mill (Aluminum)	15U1G	62

	Diameter	Cutting Depth	Description	Series	Page
	1.000 - 1.500	.41	ALUMINATOR 0° Lead High-Speed Router End Mill (Aluminum)	15U1G (Top-On Style)	63



HIOPOS™ SERIES 12J1D

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



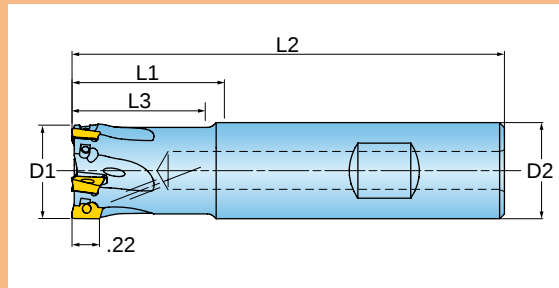
Pocket



Facing



Coolant

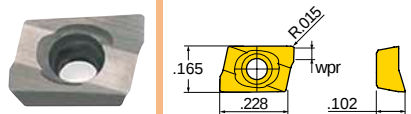


Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	L3 Projection Length	D2 Shank Size/Style	Number of Inserts	Ramp Angles
12J1D-0300587R01	0.375	0.72	2.50	0.52	.500" Weldon	2	9.6
12J1D-03009R8R01	0.375	1.00	2.50	0.90	.375" Cylindrical	2	9.6
12J1D-04009S4R01	0.490	1.00	2.75	0.90	.500" Cylindrical	2	6.0
12J1D-05009S4R01	0.500	1.00	2.75	0.90	.500" Cylindrical	3	6.0
12J1D-0500979R01	0.500	1.09	3.00	0.90	.625" Weldon	3	6.0
12J1D-05011S4R01	0.500	1.25	3.00	1.15	.500" Cylindrical	2	6.0
12J1D-0601479R01	0.620	0.72	2.50	0.52	.625" Weldon	4	4.0
12J1D-06014S6R01	0.620	1.50	6.00	1.40	.625" Cylindrical	3	Not Recomm.
12J1D-0701684R02	0.720	1.75	3.75	1.65	.750" Weldon	4	2.6
12J1D-0701684R01	0.750	1.75	3.75	1.65	.750" Weldon	5	2.6
12J1D-07016S7R01	0.750	1.75	6.00	1.65	.750" Weldon	4	Not Recomm.
12J1D-0801784R01	0.875	1.75	3.75	1.75	.750" Weldon	5	2.3
12J1D-1001784R01	1.000	1.75	3.75	1.75	.750" Weldon	7	1.9
12J1D-1001784R02	1.000	1.75	3.75	1.75	.750" Weldon	5	1.9
12J1D-1001780R01	1.000	1.75	4.00	1.75	1.000" Weldon	7	1.9
12J1D-1001780R02	1.000	1.75	4.00	1.75	1.000" Weldon	5	1.9
12J1D-10021S1R01	1.000	2.25	8.00	2.15	1.000" Cylindrical	5	Not Recomm.
12J1D-1003480R01	1.000	3.50	5.75	3.40	1.000" Weldon	5	Not Recomm.

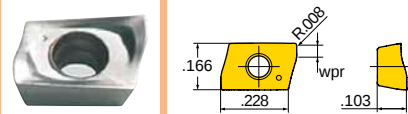
Operating guidelines on [347](#).

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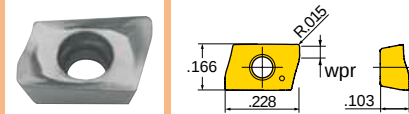
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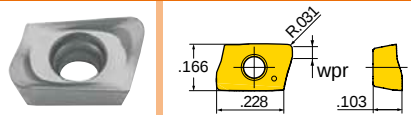
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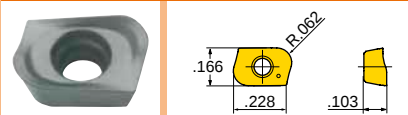
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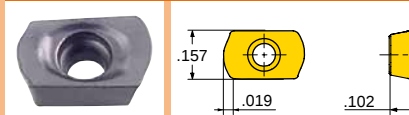
AOMT060208R



AOMT060216R



UOMT0602TR



Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2030	IN2505				
AOCT060204FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT060202R	Multi-Purpose - 0.008" R			●	●	●					
AOMT060204R	Multi-Purpose - 0.015" R				●	●	●				
AOMT060208R	Multi-Purpose - 0.031" R				●	●	●				
AOMT060216R*	Multi-Purpose - 0.062" R				●	●	●				
UOMT0602TR	High-Feed - 0.040" R**					●	●				

* Cutter body must be relieved to accept R. 062

** Programming Radius

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Opt. Torque Driver Handle



Opt. Bit for DTN005S

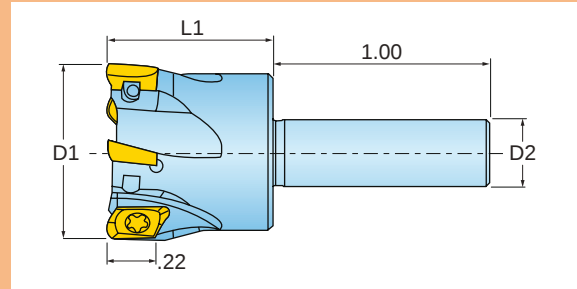
SM18-041-00

DS-TP06S

DTN005S

DS-TP06TB

0 DEGREE LEAD END MILL
SHANK FOR LIVE TOOLING & SWISS

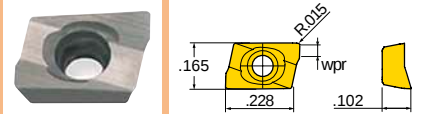


Cutter Number	D1 Nominal Diameter	L1 Extension Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
12J1D-07007R8R01	0.750	0.75	.375" Cylindrical	5	2.6
12J1D-10007R8R01	1.000	0.75	.375" Cylindrical	5	1.9
12J1D-15007S4R01	1.500	0.75	.500" Cylindrical	7	1.2
12J1D-20007S6R01	2.000	0.75	.625" Cylindrical	7	.4

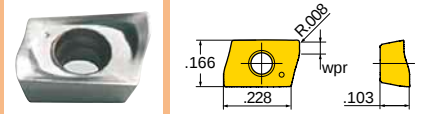
Operating guidelines on [347](#).

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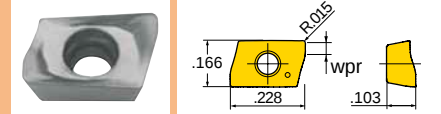
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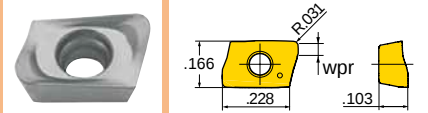
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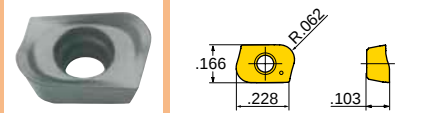
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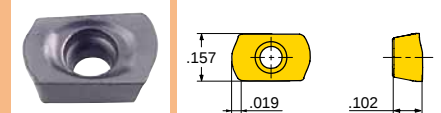
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AOMT060216R



UOMT0602TR



Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2030	IN2505				
AOCT060204FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT060202R	Multi-Purpose - 0.008" R			●	●	●					
AOMT060204R	Multi-Purpose - 0.015" R				●	●	●				
AOMT060208R	Multi-Purpose - 0.031" R				●	●	●				
AOMT060216R*	Multi-Purpose - 0.062" R				●	●					
UOMT0602TR	High-Feed - 0.040" R**					●	●				

* Cutter body must be relieved to accept R. 062

** Programming Radius

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Opt. Bit for DTN005S



Opt. Torque Driver Handle

SM18-041-00

DS-TP06S

DS-TP06TB

DTN005S

HI-POS[®] SERIES 12J1D (TOP-ON STYLE)

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



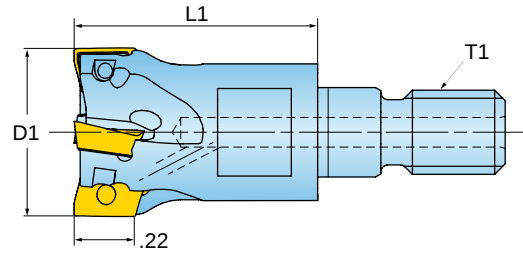
Pocket



Facing



Coolant

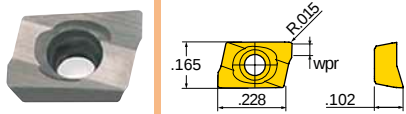


Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
12J1D-05010X4R01	0.500	M6	1.00	3	7mm	6.0
12J1D-06010X5R01	0.620	M8	1.00	4	10mm	4.0
12J1D-07015X6R01	0.750	M10	1.50	5	15mm	2.6
12J1D-10015X7R01	1.000	M12	1.50	7	17mm	1.9
12J1D-12017X8R01	1.250	M16	1.75	8	22mm	1.6
12J1D-15017X8R01	1.500	M16	1.75	9	22mm	1.2

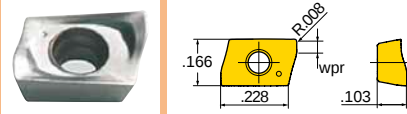
For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [347](#).

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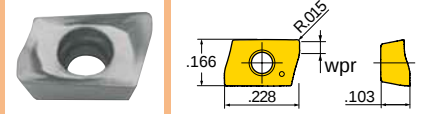
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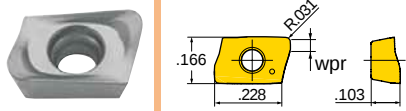
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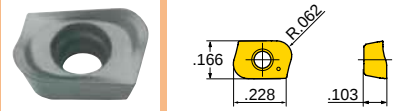
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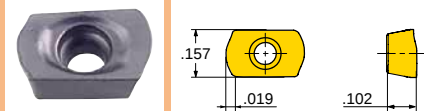
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AOMT060216R



UOMT0602TR



Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2030	IN2505				
AOCT060204FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT060202R	Multi-Purpose - 0.008" R			●	●	●					
AOMT060204R	Multi-Purpose - 0.015" R				●	●	●				
AOMT060208R	Multi-Purpose - 0.031" R				●	●	●				
AOMT060216R*	Multi-Purpose - 0.062" R				●	●	●				
UOMT0602TR	High-Feed - 0.040" R**					●	●				

* Cutter body must be relieved to accept R. 062

** Programming Radius

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Opt. Torque Driver Handle



Opt. Bit for DTN005S

SM18-041-00

DS-TP06S

DTN005S

DS-TP06TB



HI-POS™ SERIES 12J1D (CHIP-SURFER STYLE)

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



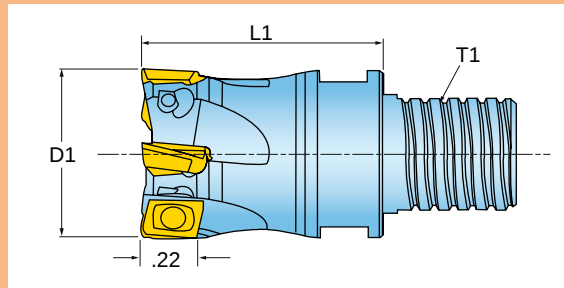
Corkscrew



Pocket



Facing

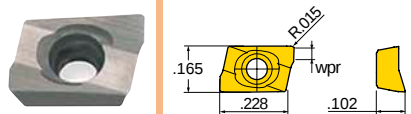


Cutter Number	D1 Nominal Diameter	# Inserts	T1 Thread Size	L1 Extension Length	Ramp Angle
12J1D-03006T6R01	0.375	2	T06	0.63	9.6
12J1D-05006T8R01	0.500	2	T08	0.65	6
12J1D-05006T8R02	0.500	3	T08	0.65	6
12J1D-06008TRR01	0.625	4	T10	0.80	4
12J1D-07010TSR01	0.750	5	T12	1.00	2.6
12J1D-07010TSR02	0.750	3	T12	1.00	2.6

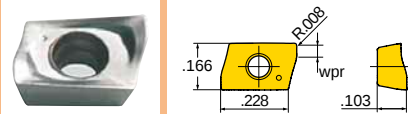
For Chip-Surfer shank selection, see [page 422](#).
Operating guidelines on [347](#).

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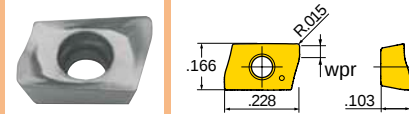
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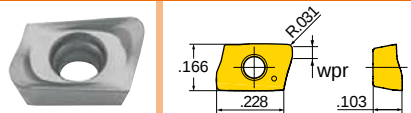
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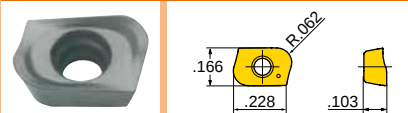
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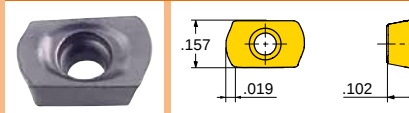
AOMT060208R



AOMT060216R



UOMT0602TR



Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2030	IN2505				
AOCT060204FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT060202R	Multi-Purpose - 0.008" R			●	●	●					
AOMT060204R	Multi-Purpose - 0.015" R				●	●	●				
AOMT060208R	Multi-Purpose - 0.031" R				●	●	●				
AOMT060216R**	Multi-Purpose - 0.062" R				●	●	●				
UOMT0602TR	High-Feed - 0.040" R*					●	●				

* Programming Radius

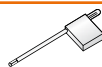
** Cutter body must be relieved to accept R .062"

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Wrench



Opt. Bit for DTN005S

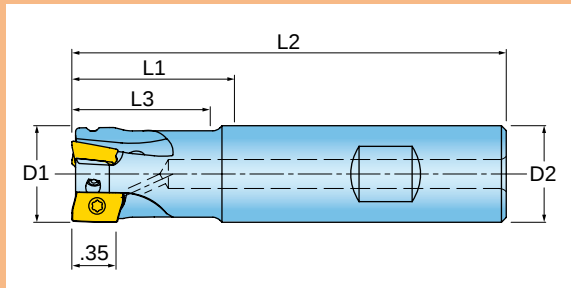


Opt. Torque Driver Handle

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12J1D-05006T8R01	SM18-041-00	DS-TP06S	WS-0030	DS-TP06TB	DTN005S
12J1D-05006T8R02	SM18-041-00	DS-TP06S	WS-0030	DS-TP06TB	DTN005S
12J1D-06008TRR01	SM18-041-00	DS-TP06S	WS-0044	DS-TP06TB	DTN005S
12J1D-07010TSR01	SM18-041-00	DS-TP06S	WS-0059	DS-TP06TB	DTN005S
12J1D-07010TSR02	SM18-041-00	DS-TP06S	WS-0059	DS-TP06TB	DTN005S



0 DEGREE LEAD END MILL

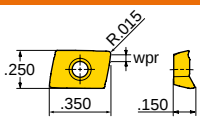
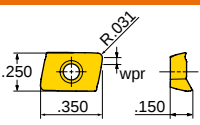
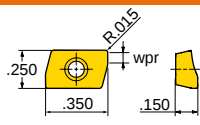
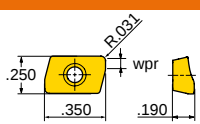
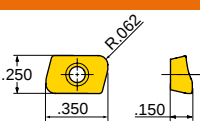


Cutter Number	D1 Nominal Diameter	L1 Extension Length	L2 Overall Length	L3 Projection Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
12J1P-0501379R01	0.500	1.34	3.25	1.18	.625" Weldon	1	12.5
12J1P-0601379R01	0.625	1.34	3.25	1.18	.625" Weldon	2	11
12J1P-0701784R01	0.750	1.75	3.25	1.18	.750" Weldon	2	8
12J1P-0701784R02	0.750	1.75	3.25	1.18	.750" Weldon	3	8
12J1P-0702784R01	0.750	2.75	4.75	2.75	.750" Weldon	2	8
12J1P-0704084R01	0.750	4.00	6.00	2.75	.750" Weldon	2	Not Recomm.
12J1P-0801784R01	0.875	1.75	3.75	1.18	.750" Weldon	3	5.5
12J1P-1001784R01	1.000	1.75	3.75	1.75	.750" Weldon	3	4
12J1P-1001784R02	1.000	1.75	3.75	1.75	.750" Weldon	4	4
12J1P-1201584R01	1.250	1.50	3.75	1.50	.750" Weldon	5	2.5
12J1P-1501780R01	1.500	1.75	4.00	1.75	1.000" Weldon	6	2

Operating guidelines on [349](#).



INSERTS

BOCT09T304FR-P	BOCT09T308FR-P	BOMT09T304R
		
		
BOMT09T308R	BOMT09T316R	
		
		

Part Number	Applications	Grade	IN10K	IN2030	IN2505						
BOCT09T304FR-P	Grd/Pol for Al - 0.015" R		●								
BOCT09T308FR-P	Grd/Pol for Al - 0.031" R		●								
BOMT09T304R	Multi-Purpose - 0.015" R			●	●						
BOMT09T308R	Multi-Purpose - 0.031" R			●	●						
BOMT09T316R	Multi-Purpose - 0.062" R			●	●						

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw	Driver
12J1P-0501379R01	SM25-054-00 DS-T08W
12J1P-0601379R01	SM25-054-00 DS-T08W
12J1P-0701784R01	SM25-064-00 DS-T08W
12J1P-0701784R02	SM25-064-00 DS-T08W
12J1P-0702784R01	SM25-064-00 DS-T08W
12J1P-0704084R01	SM25-064-00 DS-T08W
12J1P-0801784R01	SM25-064-00 DS-T08W
12J1P-1001784R01	SM25-064-00 DS-T08W
12J1P-1001784R02	SM25-064-00 DS-T08W
12J1P-1201584R01	SM25-064-00 DS-T08W
12J1P-1501780R01	SM25-064-00 DS-T08W



SERIES 12J1P (TOP-ON STYLE)

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



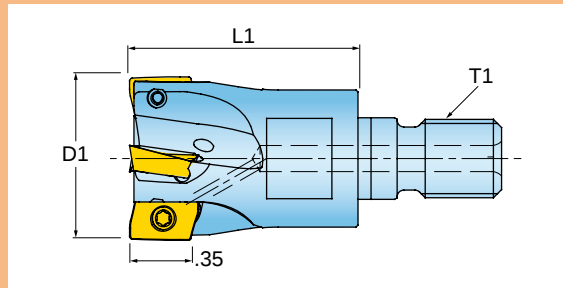
Pocket



Facing



Coolant



Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
12J1P-06015X5R01	0.625	M8	1.50	2	10mm	11
12J1P-07015X6R01	0.750	M10	1.50	3	15mm	8
12J1P-10015X7R01	1.000	M12	1.50	4	17mm	4
12J1P-12017X8R01	1.250	M16	1.75	5	22mm	2.5

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [349](#).



INSERTS

BOCT09T304FR-P

BOCT09T308FR-P

BOMT09T304R

BOMT09T308R

BOMT09T316R



Part Number	Applications	Grade	IN10K	IN2030	IN2505						
BOCT09T304FR-P	Grd/Pol for Al - 0.015" R		●								
BOCT09T308FR-P	Grd/Pol for Al - 0.031" R		●								
BOMT09T304R	Multi-Purpose - 0.015" R			●	●						
BOMT09T308R	Multi-Purpose - 0.031" R			●	●						
BOMT09T316R	Multi-Purpose - 0.062" R			●	●						

● = P ● = M ● = K ● = N ○ = S

HARDWARE



	Screw	Driver
12J1P-06015X5R01	SM25-054-00	DS-T08W
12J1P-07015X6R01	SM25-064-00	DS-T08W
12J1P-10015X7R01	SM25-064-00	DS-T08W
12J1P-12017X8R01	SM25-064-00	DS-T08W



HI-POS⁺ SERIES 12J1X

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



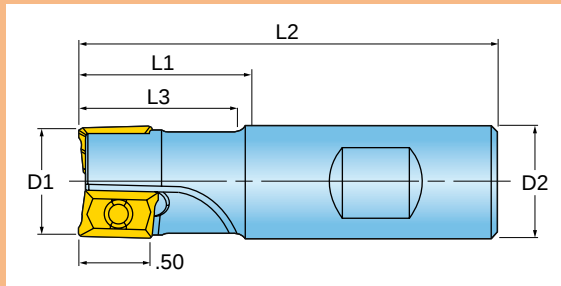
Pocket



Facing



Coolant

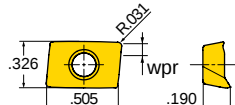


Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	L3 Projection Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
12J1X-0702084R01	0.725	2.00	4.00	1.80	.750" Weldon	2	7.0
12J1X-0701184R01	0.750	1.25	3.25	1.05	.750" Weldon	2	7.0
12J1X-0701784R01	0.750	1.75	3.75	1.55	.750" Weldon	2	7.0
12J1X-0703084R01	0.750	3.00	5.00	2.80	.750" Weldon	2	7.0
12J1X-0705780R01	0.750	5.75	8.00	5.55	1.000" Weldon	2	Not Recommended
12J1X-0801784R01	0.875	1.75	3.75	1.75	.750" Weldon	2	5.5
12J1X-1001784R01	1.000	1.75	3.75	1.75	.750" Weldon	3	4.5
12J1X-1001780R01	1.000	1.75	4.00	1.55	1.000" Weldon	3	4.5
12J1X-1003780R01	1.000	3.75	6.00	3.55	1.000" Weldon	3	Not Recommended
12J1X-1201784R01	1.250	1.75	3.75	1.75	.750" Weldon	4	3.5
12J1X-1201780R01	1.250	1.75	4.00	1.75	1.000" Weldon	4	3.5
12J1X-1501784R01	1.500	1.75	3.75	1.75	.750" Weldon	4	2.0
12J1X-1502281R01	1.500	2.25	4.50	2.25	1.250" Weldon	4	2.0

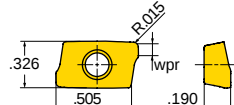
Operating guidelines on [346](#).

INSERTS

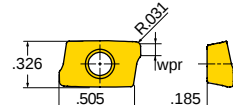
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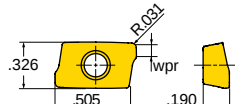
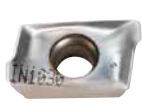
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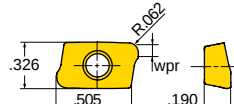
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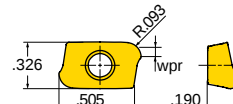
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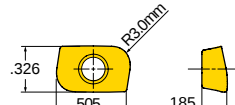
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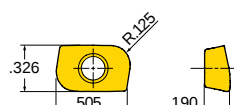
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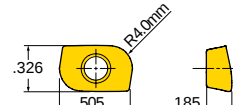
AOMT120430FR



AOMT120432R



AOMT120440R



Part Number	Applications	Grade	IN1030	IN10K	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	
AOCT120408FR-P	Grd/Pol for Al - 0.031" R			●							
AOMT120404R	Multi-Purpose - 0.015" R		●		●						
AOMT120408FR	Hi-Temp/Ti - 0.031" R			●	●		●				
AOMT120408R	Multi-Purpose - 0.031" R		●	●	●	●	●	●	●		
AOMT120416R	Multi-Purpose - 0.062" R		●	●	●		●			●	
AOMT120424R	Multi-Purpose - 0.093" R			●	●		●				
AOMT120430FR	Multi-Purpose - 3.000 mm R			●	●						
AOMT120432R	Multi-Purpose - 0.125" R		●	●	●	●	●				
AOMT120440R*	Multi-Purpose - 4.000 mm R								●		

* Cutter body must be relieved to accept R 4.000mm

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM35-076-10

DS-T10T



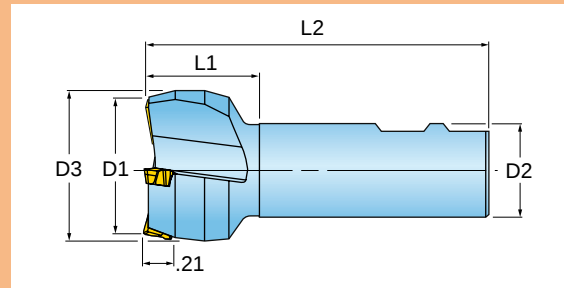
15 DEGREE LEAD END MILL



Facing



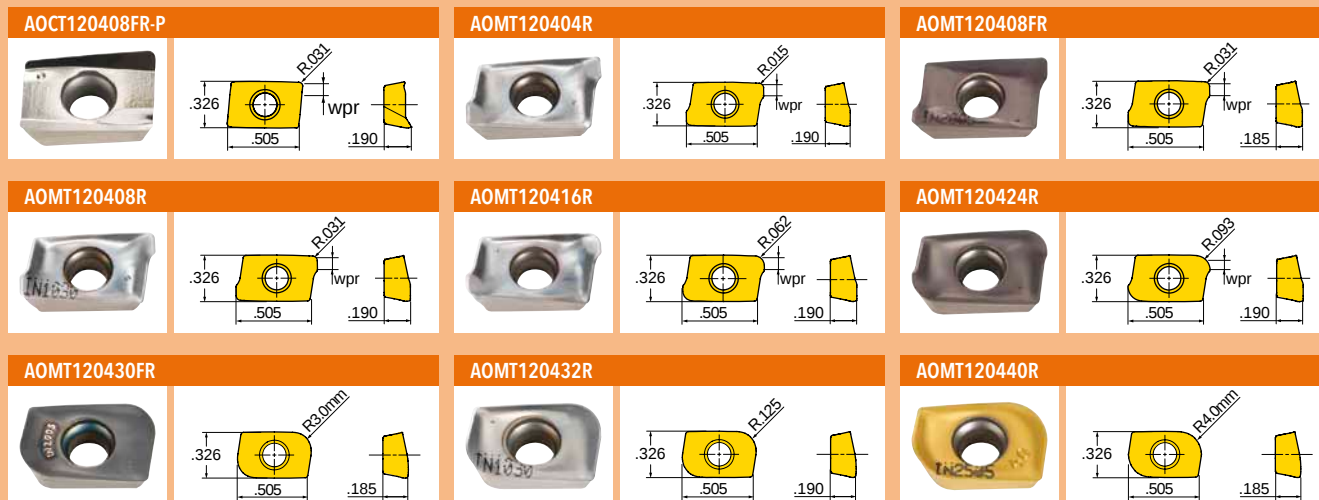
Coolant



Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	D2 Bore Diameter	D3 Overall Dia.	Number of Inserts
12R1X-2001084R01	2.000	1.00	3.00	.750" Weldon	2.15	3

Operating guidelines on [346](#).

INSERTS



Part Number	Applications	Grade	IN1030	IN10K	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	
AOCT120408FR-P	Grd/Pol for Al - 0.031" R										
AOMT120404R	Multi-Purpose - 0.015" R										
AOMT120408FR	Hi-Temp/Ti - 0.031" R										
AOMT120408R	Multi-Purpose - 0.031" R										
AOMT120416R	Multi-Purpose - 0.062" R										
AOMT120424R	Multi-Purpose - 0.093" R										
AOMT120430FR	Multi-Purpose - 3.000 mm R										
AOMT120432R	Multi-Purpose - 0.125" R										
AOMT120440R	Multi-Purpose - 4.000 mm R										

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM35-076-10

DS-T10T



HI-POS⁺ SERIES 12J1X (TOP-ON STYLE)

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



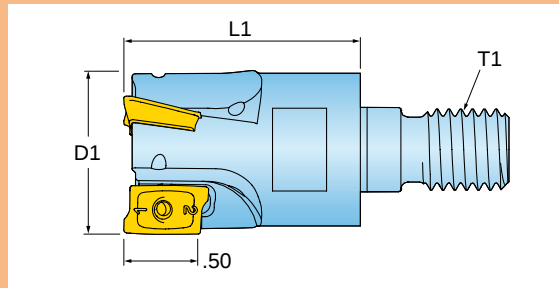
Pocket



Facing



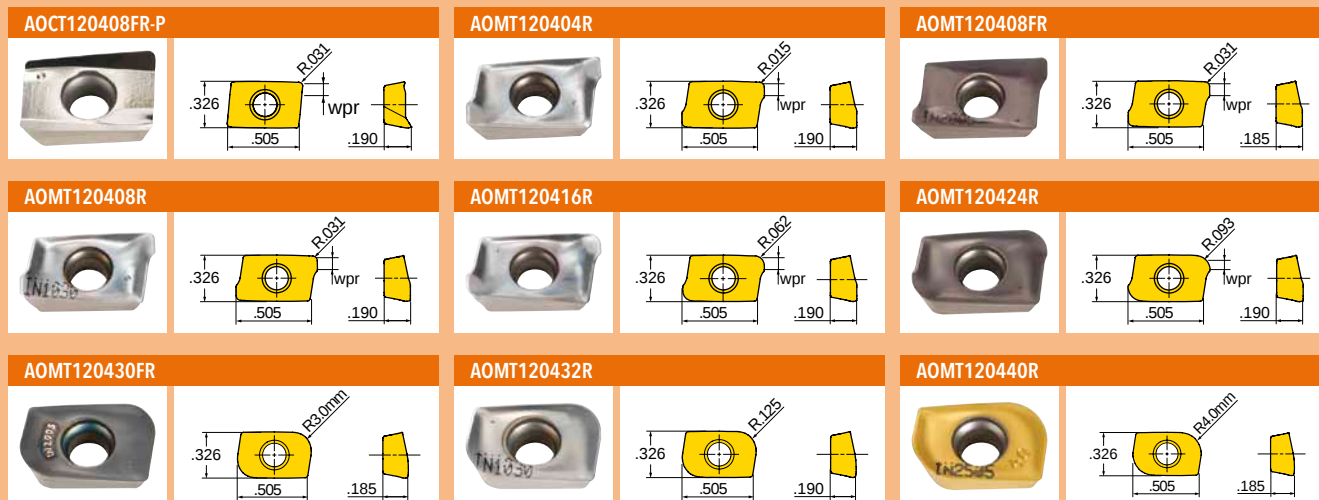
Coolant



Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
12J1X-07015X6R01	0.750	M10	1.50	2	15mm	7
12J1X-10015X7R01	1.000	M12	1.50	3	17mm	4.5
12J1X-12017X8R01	1.250	M16	1.75	4	22mm	3.5
12J1X-15017X8R01	1.500	M16	1.75	5	22mm	2.0

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on 346.

INSERTS<?><?>



Part Number	Applications	Grade	IN1030	IN10K	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	
AOCT120408FR-P	Grd/Pol for Al - 0.031" R										
AOMT120404R	Multi-Purpose - 0.015" R										
AOMT120408FR	Hi-Temp/Ti - 0.031" R										
AOMT120408R	Multi-Purpose - 0.031" R										
AOMT120416R	Multi-Purpose - 0.062" R										
AOMT120424R	Multi-Purpose - 0.093" R										
AOMT120430FR	Multi-Purpose - 3.000 mm R										
AOMT120432R	Multi-Purpose - 0.125" R										
AOMT120440R*	Multi-Purpose - 4.000 mm R										

* Cutter body must be relieved to accept R 4.000mm

● = P ● = M ● = K ● = N ○ = S

HARDWARE			
	Screw	Driver	
	SM35-076-10	DS-T10T	



HI-POS⁺ SERIES 12V1X (TOP-ON STYLE)

BACK DRAFTED END MILL



Shoulder



Channel



Ramping



Corkscrew



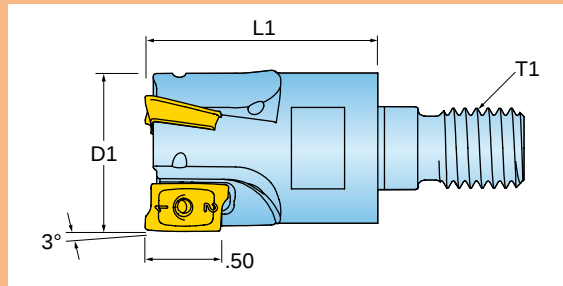
Pocket



Facing



Coolant

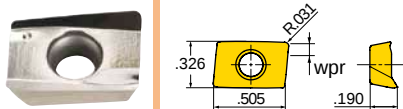


Cutter Number	D1 Nominal Diameter	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size
12V1X-07015X6R01	0.750	M10	1.50	2	15mm
12V1X-10015X7R01	1.000	M12	1.50	2	17mm
12V1X-10015X7R02	1.000	M12	1.50	3	17mm
12V1X-12017X8R01	1.500	M16	1.75	4	22mm

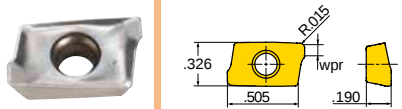
For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [346](#).

INSERTS

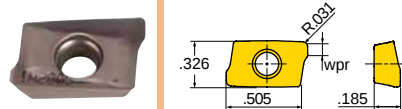
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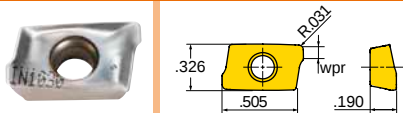
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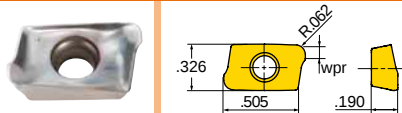
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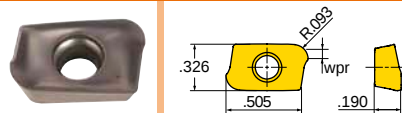
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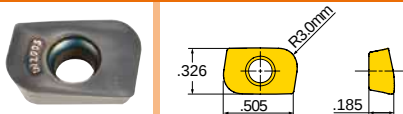
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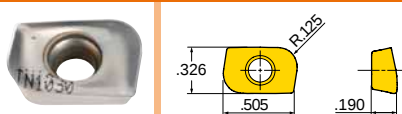
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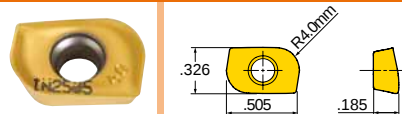
AOMT120430FR



AOMT120432R



AOMT120440R



Part Number	Applications	Grade	IN1030	IN10K	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	
AOCT120408FR-P	Grd/Pol for Al - 0.031" R			●							
AOMT120404R	Multi-Purpose - 0.015" R		●		●						
AOMT120408FR	Hi-Temp/Ti - 0.031" R			●	●		●				
AOMT120408R	Multi-Purpose - 0.031" R		●	●	●	●	●	●	●		
AOMT120416R	Multi-Purpose - 0.062" R		●	●	●		●			●	
AOMT120424R	Multi-Purpose - 0.093" R			●	●		●				
AOMT120430FR	Multi-Purpose - 3.000 mm R			●	●						
AOMT120432R	Multi-Purpose - 0.125" R		●	●	●	●	●				
AOMT120440R*	Multi-Purpose - 4.000 mm R								●		

* Cutter body must be relieved to accept R 4.000mm

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

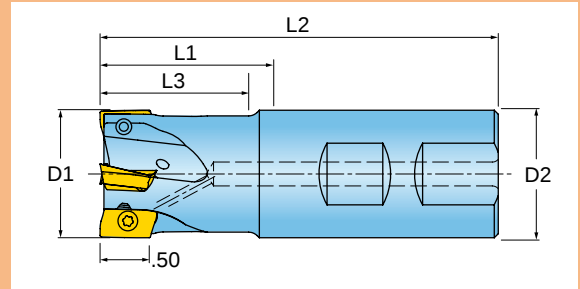
SM35-076-10

DS-T15T



SERIES 12J1R

0 DEGREE LEAD END MILL



Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Projection Length	L3 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
12J1R-0702084R01	0.750	2.00	1.75	4.00	.750" Cylindrical	1	8
12J1R-1001780R01	1.000	1.75	1.72	4.00	1.000" Cylindrical	3	7.9
12J1R-1003780R01	1.000	3.75	3.72	6.00	1.000" Cylindrical	3	7.9
12J1R-1202281R01	1.250	2.25	2.22	4.50	1.250" Weldon	4	5
12J1R-1502281R01	1.500	2.25	2.25	4.50	1.250" Weldon	4	3.5

Operating guidelines on [346](#).



INSERTS

BOCT130404FR-P		BOMT130404R		BOMT130408R	
BOMT130416R		BOMT130420R		BOMT130424R	
BOMT130431R		BOMT130440R			

Part Number	Applications	Grade	IN10K	IN2030	IN2505						
BOCT130404FR-P	Grd/Pol for Al - 0.015" R		●								
BOMT130404R	Multi-Purpose - 0.015" R			●	●						
BOMT130408R	Multi-Purpose - 0.031" R			●	●						
BOMT130416R	Multi-Purpose - 0.062" R			●	●						
BOMT130420R	Multi-Purpose - 0.078" R			●	●						
BOMT130424R	Multi-Purpose - 0.093" R			●	●						
BOMT130431R	Multi-Purpose - 0.125" R			●	●						
BOMT130440R*	Multi-Purpose - 0.156" R			●	●						

* Cutter body must be relieved to accept R. 156

● = P ● = M ● = K ● = N ○ = S

HARDWARE			
	Screw	Driver	
	SM35-088-10	DS-T15T	



HIOPOS+[™] SERIES 12J1G

0 DEGREE LEAD END MILL



Shoulder



Channel



Corkscrew



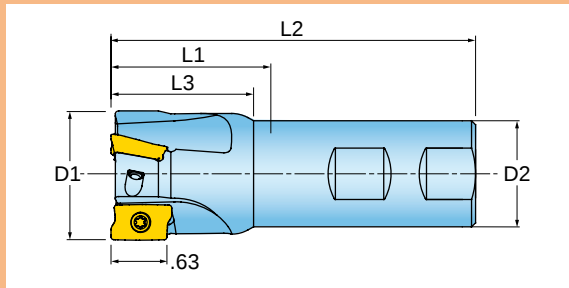
Pocket



Facing



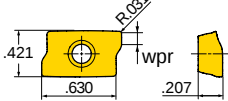
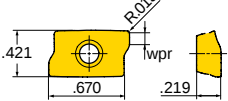
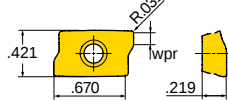
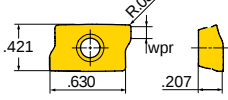
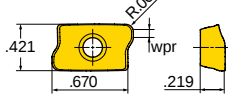
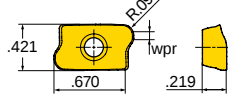
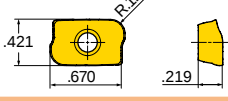
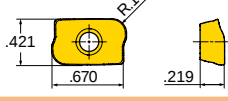
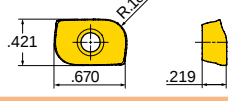
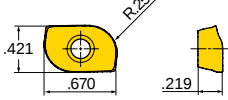
Coolant



Cutter Number	D1 Nom. Dia.	L1 Extension Length	L3 Projection Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle	Coolant Thru
12J1G-0701284R01	0.750	1.75	1.25	3.75	.750" Weldon	1	11	No
12J1G-1001580R01	1.000	1.75	1.50	4.00	1.000" Weldon	2	5.8	No
12J1G-1001580R02	1.000	1.75	1.50	4.00	1.000" Weldon	2	5.8	Yes
12J1G-1003780R01	1.000	3.75	3.50	6.00	1.000" Weldon	2	5.8	No
12J1G-1006080R01	1.000	6.00	5.75	8.00	1.000" Weldon	2	Not Recomm.	No
12J1G-1008080R01	1.000	8.00	7.75	10.00	1.000" Weldon	2	Not Recomm.	No
12J1G-1201681R01	1.250	2.25	1.60	4.50	1.250" Weldon	3	3.5	No
12J1G-1201681R02	1.250	2.25	1.60	4.50	1.250" Weldon	3	3.5	Yes
12J1G-1204281R01	1.250	4.25	3.75	6.50	1.250" Weldon	3	3.5	No
12J1G-1205281R01	1.250	5.75	5.25	8.00	1.250" Weldon	3	Not Recomm.	No
12J1G-1207281R01	1.250	7.75	7.25	10.00	1.250" Weldon	3	Not Recomm.	No
12J1G-1501681R03	1.500	2.25	2.25	4.50	1.250" Weldon	4	2.3	Yes
12J1G-1501681R04	1.500	2.25	2.25	4.50	1.250" Weldon	3	2.3	Yes
12J1G-1501681R01	1.500	2.25	2.25	4.50	1.250" Weldon	4	2.3	No
12J1G-1501681R02	1.500	2.25	2.25	4.50	1.250" Weldon	3	2.3	No
12J1G-1501881R01	1.500	4.25	4.25	6.50	1.250" Weldon	3	2.3	No
12J1G-1505586R01	1.500	5.50	5.50	8.00	1.500" Weldon	3	Not Recomm.	No
12J1G-1501881R02	1.500	5.75	5.75	8.00	1.250" Weldon	3	Not Recomm.	No
12J1G-1507586R01	1.500	7.50	7.50	10.00	1.500" Weldon	3	Not Recomm.	No
12J1G-1701781R01	1.750	2.25	2.25	4.50	1.250" Weldon	4	1.8	No
12J1G-2001781R01	2.000	2.25	2.25	4.50	1.250" Weldon	5	1.6	No

Relieve cutter body for insert radii larger than 0.125" R
Operating guidelines on [346](#).

INSERTS

AOCT170508FR-P  	AOMT170504R  	AOMT170508R  
AOMT170508R-HS  	AOMT170516R  	AOMT170524R  
AOMT170532R  	AOMT170540R-EM  	AOMT170548R  
AOMT170564R  		

Part Number	Applications	Grade	IN1030	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	INDD15	IN10K
AOCT170508FR-P	Grd/Pol for Al - 0.031" R										●
AOMT170504R	Multi-Purpose - 0.015" R		●				●				
AOMT170508R	Multi-Purpose - 0.031" R		●	●		●	●	●	●	●	
AOMT170508R-HS	Hi-Temp/Ti - 0.031" R		●	●	●	●					
AOMT170516R	Multi-Purpose - 0.062" R		●	●	●	●					
AOMT170524R	Multi-Purpose - 0.093" R		●	●	●						
AOMT170532R	Multi-Purpose - 0.125" R		●	●			●				
AOMT170540R-EM*	Multi-Purpose - 0.156" R		●	●							
AOMT170548R*	Multi-Purpose - 0.187" R		●	●			●				
AOMT170564R*	Multi-Purpose - 0.250" R		●	●						●	

* Cutter body must be relieved to accept radii

● = P ● = M ● = K ● = N ○ = S

HARDWARE		
.750 - 1.00	SM40-084-20	DS-T15T
1.125 - 2.00	SM40-093-10	DS-T15T



HI-POS⁺ SERIES 12J1G (TOP-ON STYLE)

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



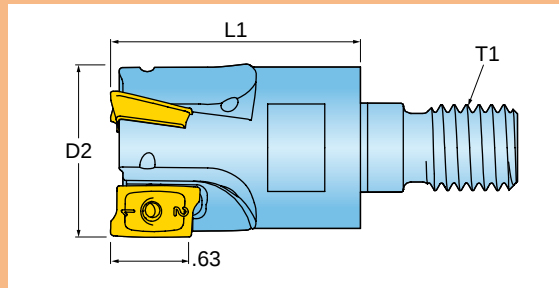
Pocket



Facing



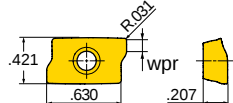
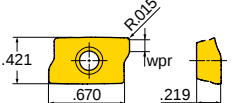
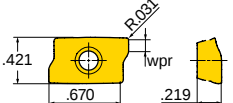
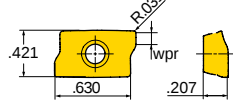
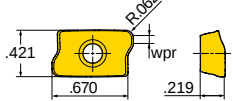
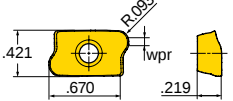
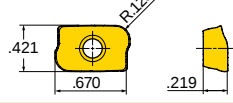
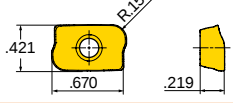
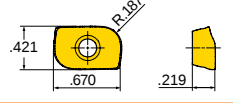
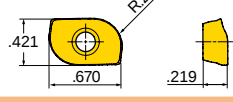
Coolant



Cutter Number	D1 Nominal Diameter	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size
12J1G-10015X7R01	1.000	M12	1.50	2	17mm
12J1G-12017X8R01	1.250	M16	1.75	3	22mm

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [346](#).

INSERTS

AOCT170508FR-P  	AOMT170504R  	AOMT170508R  
AOMT170508R-HS  	AOMT170516R  	AOMT170524R  
AOMT170532R  	AOMT170540R-EM  	AOMT170548R  
AOMT170564R  		

Part Number	Applications	Grade	IN1030	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	INDD15	IN10K
AOCT170508FR-P	Grd/Pol for Al - 0.031" R										
AOMT170504R	Multi-Purpose - 0.015" R										
AOMT170508R	Multi-Purpose - 0.031" R										
AOMT170508R-HS	Hi-Temp/Ti - 0.031" R										
AOMT170516R	Multi-Purpose - 0.062" R										
AOMT170524R	Multi-Purpose - 0.093" R										
AOMT170532R	Multi-Purpose - 0.125" R										
AOMT170540R-EM*	Multi-Purpose - 0.156" R										
AOMT170548R*	Multi-Purpose - 0.187" R										
AOMT170564R*	Multi-Purpose - 0.250" R										

* Cutter body must be relieved to accept radii

● = P ● = M ● = K ● = N ○ = S

HARDWARE		
.750 - 1.00	SM40-084-20	DS-T15T
1.125 - 2.00	SM40-093-10	DS-T15T

**HIOPOS⁺****SERIES 12J1E, 12J4E****0 DEGREE LEAD END MILL**

Shoulder



Channel



Ramping



Corkscrew



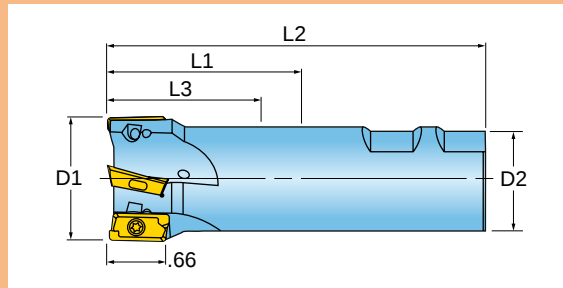
Pocket



Facing



Coolant



Cutter Number	D1 Nominal Diameter	L1 Extension Length	L2 Overall Length	L3 Projection Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
12J1E-0901780R01	0.970	1.75	4.00	1.50	1.000" Weldon	2	6.2
12J1E-1001780R01	1.000	1.75	4.00	1.50	1.000" Weldon	2	6.0
12J1E-1002780R01	1.000	2.75	5.00	2.50	1.000" Weldon	2	6.0
12J1E-1003780R01	1.000	3.75	6.00	3.50	1.000" Weldon	2	6.0
12J1E-1004029R01	1.000	4.00	6.69	2.50	#40 V-Flange	2	6.0
12J1E-1005780R01	1.000	5.75	8.00	5.72	1.000" Weldon	2	Not Recommended
12J4E-1001780R01**	1.000	1.75	4.00	1.50	1.000" Weldon	2	4.0
12J4E-1002780R01**	1.000	2.75	5.00	2.50	1.000" Weldon	2	4.0
12J1E-1202281R01	1.250	2.25	4.50	1.50	1.250" Weldon	3	4.1
12J1E-1202829R01	1.250	2.87	5.56	2.00	#40 V-Flange	3	4.1
12J1E-1204281R01	1.250	4.25	6.50	4.25	1.250" Weldon	3	4.1
12J1E-1206281R01	1.250	6.25	8.50	6.22	1.250" Weldon	2	Not Recommended
12J4E-1202281R01**	1.250	2.25	4.50	1.50	1.250" Weldon	3	3.0
12J4E-1204281R01**	1.250	4.25	6.50	3.50	1.250" Weldon	3	Not Recommended
12J1E-1502281R01	1.500	2.25	4.50	2.25	1.250" Weldon	4	3.0
12J1E-1502281R03	1.500	2.25	4.50	2.25	1.250" Weldon	3	3.0
12J1E-1502829R01	1.500	2.87	5.56	2.00	#40 V-Flange	3	3.0
12J1E-1504281R01	1.500	4.25	6.50	4.25	1.250" Weldon	3	3.0
12J4E-1502281R01**	1.500	2.25	4.50	2.25	1.250" Weldon	3	2.0
12J1E-2002281R01	2.000	2.25	4.50	2.25	1.250" Weldon	5	3.0
12J4E-2002281R01**	2.000	2.25	4.50	2.25	1.250" Weldon	5	2.0

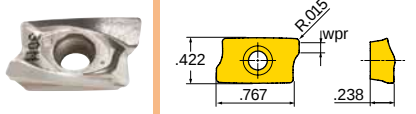
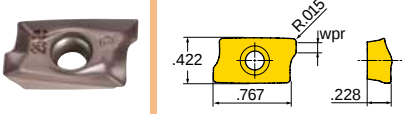
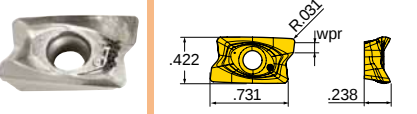
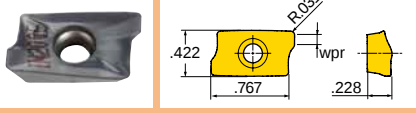
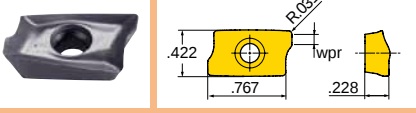
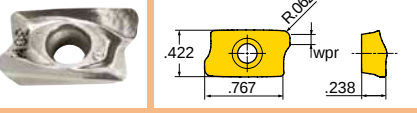
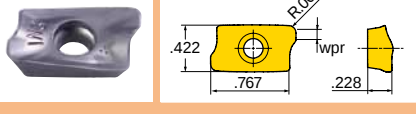
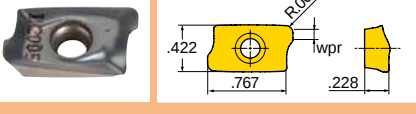
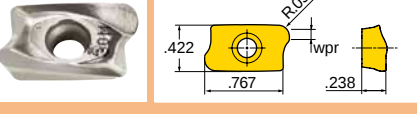
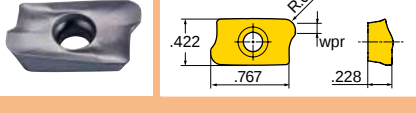
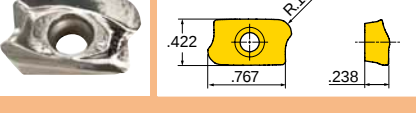
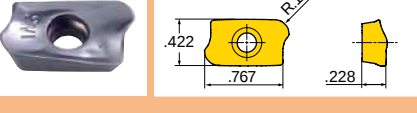
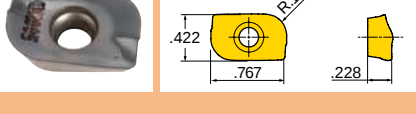
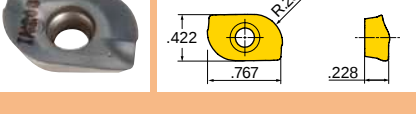
** Cutters utilize large radius inserts > .125" R Operating guidelines on 352.

Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M		
AOMT180504FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT180504R-HS	Hi-Temp/Ti - 0.015" R						●				
AOMT180508FR-P	Grd/Pol for Al - 0.031" R								●		
AOMT180508R	Multi-Purpose - 0.031" R		●	●	●	●	●	●			
AOMT180508R-HS	Hi-Temp/Ti - 0.031" R			●	●	●	●		●		
AOMT180516FR-P	Grd/Pol for Al - 0.062" R								●		
AOMT180516R	Multi-Purpose - 0.062" R		●	●	●	●	●	●			
AOMT180516R-HS	Hi-Temp/Ti - 0.062" R			●							
AOMT180524FR-P	Grd/Pol for Al - 0.093" R								●		
AOMT180524R	Multi-Purpose - 0.093" R		●	●				●			
AOMT180532FR-P	Grd/Pol for Al - 0.125" R								●		
AOMT180532R	Multi-Purpose - 0.125" R		●	●	●	●	●	●			
AOMT180548R*	Multi-Purpose - 0.187" R			●							
AOMT180564R*	Multi-Purpose - 0.250" R		●	●				●			

* Use in 12J4E bodies

● = P ● = M ● = K ● = N ○ = S

INSERTS

AOMT180504FR-P		AOMT180504R-HS		AOMT180508FR-P	
AOMT180508R		AOMT180508R-HS		AOMT180516FR-P	
AOMT180516R		AOMT180516R-HS		AOMT180524FR-P	
AOMT180524R		AOMT180532FR-P		AOMT180532R	
AOMT180548R		AOMT180564R			

HARDWARE



Screw



Driver

12J1E-0901780R01	SM40-084-20	DS-T15T
12J1E-1001780R01	SM40-084-20	DS-T15T
12J1E-1002780R01	SM40-084-20	DS-T15T
12J1E-1003780R01	SM40-084-20	DS-T15T
12J1E-1004029R01	SM40-084-20	DS-T15T
12J1E-1005780R01	SM40-080-30	DS-T15T
12J4E-1001780R01	SM40-084-20	DS-T15T
12J4E-1002780R01	SM40-084-20	DS-T15T
12J1E-1202281R01	SM40-093-20	DS-T15T
12J1E-1202829R01	SM40-093-20	DS-T15T
12J1E-1204281R01	SM40-093-20	DS-T15T
12J1E-1206281R01	SM40-093-20	DS-T15T
12J4E-1202281R01	SM40-093-20	DS-T15T
12J4E-1204281R01	SM40-093-20	DS-T15T
12J1E-1502281R01	SM40-093-20	DS-T15T
12J1E-1502281R03	SM40-093-20	DS-T15T
12J1E-1502829R01	SM40-093-20	DS-T15T
12J1E-1504281R01	SM40-093-20	DS-T15T
12J4E-1502281R01	SM40-093-20	DS-T15T
12J1E-2002281R01	SM40-093-20	DS-T15T
12J4E-2002281R01	SM40-093-20	DS-T15T



HI-POS⁺ SERIES 12J1E (TOP-ON STYLE)

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



Corkscrew



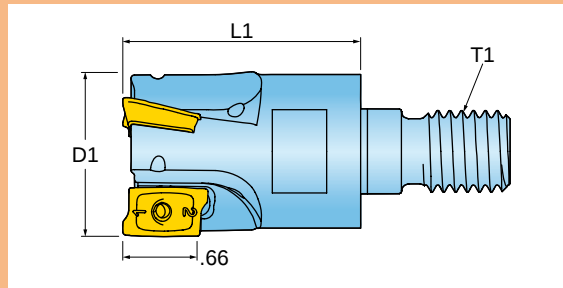
Pocket



Facing



Coolant



Cutter Number	D1 Nominal Diameter	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size
12J1E-10015X7R01	1.000	M12	1.50	2	17mm
12J1E-12017X8R01	1.250	M12	1.75	3	22mm

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [352](#).

INSERTS

AOMT180504FR-P		AOMT180504R-HS		AOMT180508FR-P	
AOMT180508R		AOMT180508R-HS		AOMT180516FR-P	
AOMT180516R		AOMT180516R-HS		AOMT180524FR-P	
AOMT180524R		AOMT180532FR-P		AOMT180532R	
AOMT180548R		AOMT180564R			

Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M		
AOMT180504FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT180504R-HS	Hi-Temp/Ti - 0.015" R						●				
AOMT180508FR-P	Grd/Pol for Al - 0.031" R								●		
AOMT180508R	Multi-Purpose - 0.031" R			●	●	●	●	●			
AOMT180508R-HS	Hi-Temp/Ti - 0.031" R				●		●		●		
AOMT180516FR-P	Grd/Pol for Al - 0.062" R								●		
AOMT180516R	Multi-Purpose - 0.062" R			●	●	●	●	●			
AOMT180516R-HS	Hi-Temp/Ti - 0.062" R				●						
AOMT180524FR-P	Grd/Pol for Al - 0.093" R								●		
AOMT180524R	Multi-Purpose - 0.093" R			●	●			●			
AOMT180532FR-P	Grd/Pol for Al - 0.125" R								●		
AOMT180532R	Multi-Purpose - 0.125" R			●	●	●	●	●			

● = P ○ = M ● = K ● = N ○ = S

HARDWARE		
Screw	Driver	
12J1E-10015X7R01	SM40-084-20	DS-T15T
12J1E-12017X8R01	SM40-093-20	DS-T15T



TETRA™ SERIES 1TJ1N

0 DEGREE LEAD END MILL WITH 4 INDEXES



Shoulder



Slabbing



Channel



Ramping



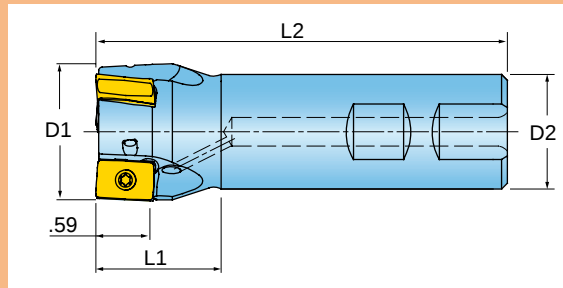
Corkscrew



Facing



Coolant

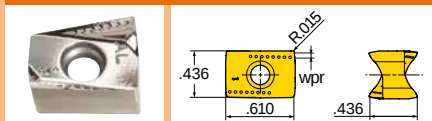


Cutter Number	D1 Nominal Diameter	L1 Extension Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
1TJ1N-1202281R01	1.250	2.25	4.50	1.250" Weldon	2	1.2
1TJ1N-1204281R01	1.250	4.25	6.50	1.250" Weldon	2	1.2
1TJ1N-1206281R01	1.250	6.25	8.50	1.250" Weldon	2	1.2
1TJ1N-1502281R01	1.500	2.25	4.50	1.250" Weldon	3	1.1
1TJ1N-1504281R01	1.500	4.25	6.50	1.250" Weldon	3	1.1
1TJ1N-2002281R01	2.000	2.25	4.50	1.250" Weldon	4	1.0

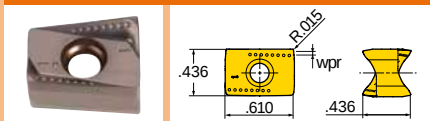
Operating guidelines on [353](#).

INSERTS

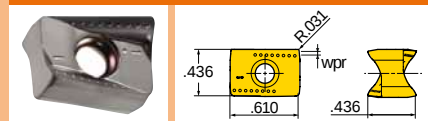
ANHU160704FR-P



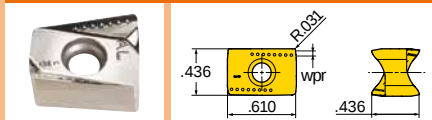
ANHU160704R



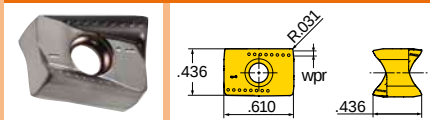
ANHU160708FR



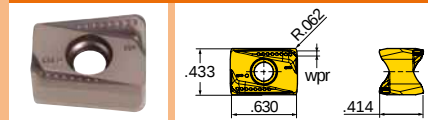
ANHU160708FR-P



ANHU160708R



ANHU160716R



Part Number	Applications	Grade	IN10K	IN2010	IN2030	IN2505	IN2540	INDD15			
ANHU160704FR-P	Grd/Pol for Al - 0.015" R		●								
ANHU160704R	Multi-Purpose - 0.015" R				●						
ANHU160708FR	Hi-Temp/Ti - 0.031" R				●						
ANHU160708FR-P	Grd/Pol for Al - 0.031" R		●								
ANHU160708R	Multi-Purpose - 0.031" R			●	●	●	●	●			
ANHU160716R	Multi-Purpose - 0.062" R			●	●	●	●				

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-120-20

DS-T15T

TETRA™ SERIES 1TJ1N (TOP-ON STYLE)

0 DEGREE LEAD END MILL WITH 4 INDEXES



Shoulder



Channel



Ramping



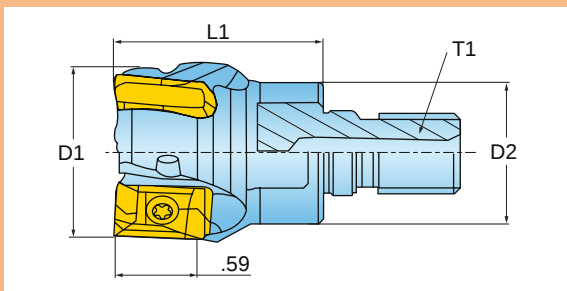
Corkscrew



Facing



Coolant



Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
1TJ1N-12015X8R01	1.250	M16	1.50	2	22mm	1.2
1TJ1N-15015X8R01	1.500	M16	1.50	3	22mm	1.1

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [353](#).

INSERTS

ANHU160704FR-P 		ANHU160704R 		ANHU160708FR 	
ANHU160708FR-P 		ANHU160708R 		ANHU160716R 	

Part Number	Applications	Grade	IN10K	IN2010	IN2030	IN2505	IN2540	INDD15			
ANHU160704FR-P	Grd/Pol for Al - 0.015" R		●								
ANHU160704R	Multi-Purpose - 0.015" R				●						
ANHU160708FR	Hi-Temp/Ti - 0.031" R				●						
ANHU160708FR-P	Grd/Pol for Al - 0.031" R		●								
ANHU160708R	Multi-Purpose - 0.031" R			●	●	●	●	●			
ANHU160716R	Multi-Purpose - 0.062" R			●	●	●	●	●			

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-120-20

DS-T15T



SERIES 1SJ1Y

0 DEGREE LEAD END MILL WITH 4 INDEXES



Shoulder



Channel



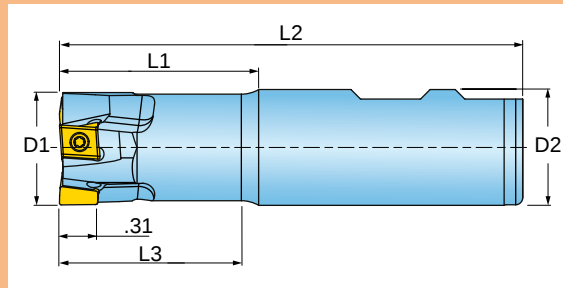
Facing



Slabbing



Coolant

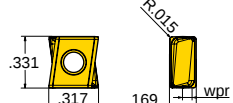
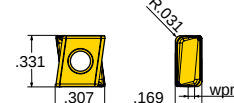
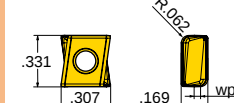


Cutter Number	D1 Eff. Dia.	Number of Inserts	Number of Effective Inserts	L1 Extension Length	L2 Overall Length	L3 Projection Length	D2 Shank Size/Style
1SJ1Y-0701284R01	0.750	2	2	1.25	3.25	1.06	.750" Weldon
1SJ1Y-0701280R01	0.750	2	2	1.25	3.50	0.95	1.000" Weldon
1SJ1Y-0701280R02	0.750	3	3	1.25	3.50	0.95	1.000" Weldon
1SJ1Y-0702280R01	0.750	2	2	2.25	4.50	1.95	1.000" Weldon
1SJ1Y-0703280R01	0.750	2	2	3.25	5.50	2.95	1.000" Weldon
1SJ1Y-1001784R01	1.000	3	3	1.75	3.75	1.75	.750" Weldon
1SJ1Y-1001780R01	1.000	3	3	1.75	4.00	1.56	1.000" Weldon
1SJ1Y-1001780R02	1.000	4	4	1.75	4.00	1.56	1.000" Weldon
1SJ1Y-1003280R01	1.000	3	3	3.25	5.50	3.06	1.000" Weldon
1SJ1Y-1201784R01	1.250	3	3	1.75	3.75	1.75	.750" Weldon
1SJ1Y-1201781R01	1.250	3	3	1.75	4.00	1.56	1.250" Weldon
1SJ1Y-1201781R02	1.250	5	5	1.75	4.00	1.56	1.250" Weldon
1SJ1Y-1203281R01	1.250	4	4	3.25	5.50	3.06	1.250" Weldon
1SJ1Y-1501781R01	1.500	4	4	1.75	4.00	1.75	1.250" Weldon
1SJ1Y-1501781R02	1.500	6	6	1.75	4.00	1.75	1.250" Weldon
1SJ1Y-1502281R01	1.500	5	5	2.25	4.50	2.25	1.250" Weldon

Operating guidelines on [355](#).



INSERTS

DGM212R100	DGM212R101	DGM212R103
 	 	 

Part Number	Applications	Grade	IN2005	IN2015	IN2030						
-------------	--------------	-------	--------	--------	--------	--	--	--	--	--	--

DGM212R100	Multi-Purpose - 0.015" R										
DGM212R101	Multi-Purpose - 0.031" R										
DGM212R103	Multi-Purpose - 0.062" R										

 = P
  = M
  = K
  = N
  = S

HARDWARE



Insert Screw

Driver

1SJ1Y-0701284R01	SM30-074-21	DS-T08W
1SJ1Y-0701280R01	SM30-074-21	DS-T08W
1SJ1Y-0701280R02	SM30-074-21	DS-T08W
1SJ1Y-0702280R01	SM30-074-21	DS-T08W
1SJ1Y-0703280R01	SM30-074-21	DS-T08W
1SJ1Y-1001784R01	SM30-082-21	DS-T08W
1SJ1Y-1001780R01	SM30-082-21	DS-T08W
1SJ1Y-1001780R02	SM30-082-21	DS-T08W
1SJ1Y-1003280R01	SM30-082-21	DS-T08W
1SJ1Y-1201784R01	SM30-082-21	DS-T08W
1SJ1Y-1201781R01	SM30-082-21	DS-T08W
1SJ1Y-1201781R02	SM30-082-21	DS-T08W
1SJ1Y-1203281R01	SM30-082-21	DS-T08W
1SJ1Y-1501781R01	SM30-082-21	DS-T08W
1SJ1Y-1501781R02	SM30-082-21	DS-T08W
1SJ1Y-1502281R01	SM30-082-21	DS-T08W


0 DEGREE LEAD END MILL WITH 4 INDEXES


Shoulder



Channel



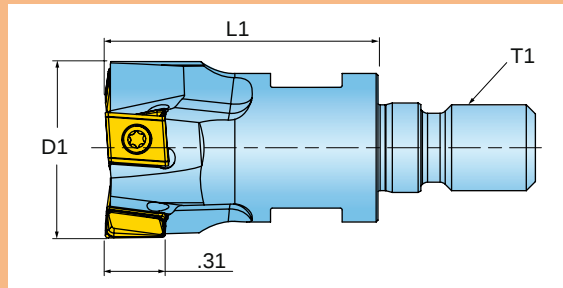
Facing



Slabbing

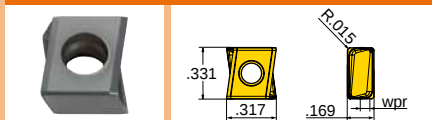
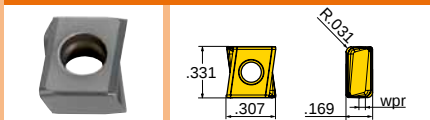
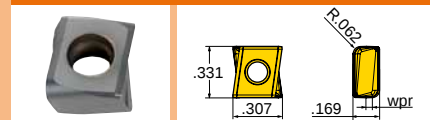


Coolant



Cutter Number	D1 Nominal Diameter	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size
1SJ1Y-07015X6R01	0.750	M10	1.50	2	15mm
1SJ1Y-07015X6R02	0.750	M10	1.50	3	15mm
1SJ1Y-10015X7R01	1.000	M12	1.50	3	17mm
1SJ1Y-10015X7R02	1.000	M12	1.50	4	17mm
1SJ1Y-12017X8R01	1.250	M16	1.75	3	22mm
1SJ1Y-12017X8R02	1.250	M16	1.75	5	22mm
1SJ1Y-15017X8R01	1.500	M16	1.75	4	22mm
1SJ1Y-15017X8R02	1.500	M16	1.75	6	22mm

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [355](#).

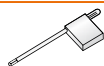
INSERTS
DGM212R100

DGM212R101

DGM212R103


Part Number	Applications	Grade	IN2005	IN2015	IN2030						
DGM212R100	Multi-Purpose - 0.015" R										
DGM212R101	Multi-Purpose - 0.031" R										
DGM212R103	Multi-Purpose - 0.062" R										

● = P ● = M ● = K ● = N ○ = S

HARDWARE


Insert Screw



Driver

1SJ1Y-07015X6R01	SM30-074-21	DS-T08W
1SJ1Y-07015X6R02	SM30-074-21	DS-T08W
1SJ1Y-10015X7R01	SM30-082-21	DS-T08W
1SJ1Y-10015X7R02	SM30-082-21	DS-T08W
1SJ1Y-12017X8R01	SM30-082-21	DS-T08W
1SJ1Y-12017X8R02	SM30-082-21	DS-T08W
1SJ1Y-15017X8R01	SM30-082-21	DS-T08W
1SJ1Y-15017X8R02	SM30-082-21	DS-T08W

0 DEGREE LEAD END MILL WITH 4 INDEXES



Shoulder



Channel



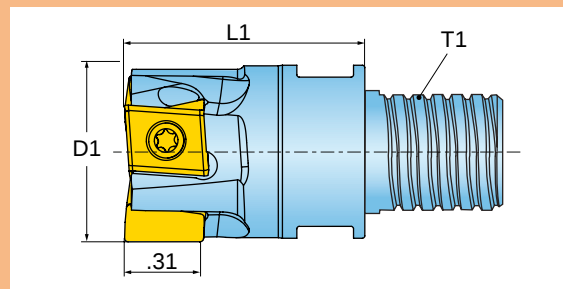
Facing



Slabbing



Coolant

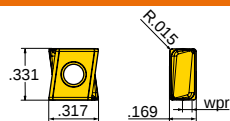


Cutter Number	D1 Nominal Diameter	T1 Adaption	L1 Extension Length	Number of Inserts
1SJ1Y-07010TSR01	0.750	T12	1.00	3
1SJ1Y-10012TUR01	1.000	T15	1.25	4

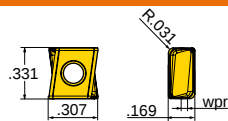
For Chip-Surfer shank selection, see [page 422](#).
Operating guidelines on [355](#).

INSERTS

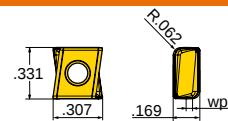
DGM212R100



DGM212R101



DGM212R103



Part Number	Applications	Grade	IN2005	IN2015	IN2030						
DGM212R100	Multi-Purpose - 0.015" R										
DGM212R101	Multi-Purpose - 0.031" R										
DGM212R103	Multi-Purpose - 0.062" R										

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Insert Screw



Driver



Wrench

1SJ1Y-07010TSR01	SM30-074-21	DS-T08W	WS-0059
1SJ1Y-10012TUR01	SM30-082-21	DS-T08W	WS-0061



0 DEGREE LEAD END MILL WITH 4 INDEXES



Shoulder



Channel



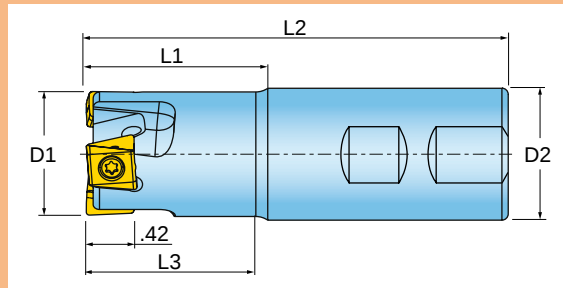
Facing



Slabbing



Coolant



Cutter Number	D1 Eff. Dia.	L1 Extension Length	L2 Overall Length	L3 Projection Length	D2 Shank Size/Style	Number of Inserts
1SJ1F-1001780R01	1.000	1.75	4.00	1.59	1.000" Weldon	2
1SJ1F-1003780R01	1.000	3.75	6.00	3.59	1.000" Weldon	2
1SJ1F-1201781R01	1.250	1.75	4.00	1.59	1.250" Weldon	3
1SJ1F-1501781R01	1.500	1.75	4.00	1.75	1.250" Weldon	4
1SJ1F-1501781R02	1.500	1.75	4.00	1.75	1.250" Weldon	3

Operating guidelines on [356](#).



INSERTS

DGE314R001 	DGE314R002 	DGE314R004
DGM314R001 	DGM314R002 	DGM314R003
DGM314R004 		

Part Number	Applications	Grade	IN2005	IN2015	IN2030	IN2040	IN6515				
DGE314R001	SS/Hi-Temp/Ti - 0.031" R										
DGE314R002	SS/Hi-Temp/Ti - 0.062" R										
DGE314R004	SS/Hi-Temp/Ti - 0.125" R										
DGM314R001	Multi-Purpose - 0.031" R										
DGM314R002	Multi-Purpose - 0.062" R										
DGM314R003	Multi-Purpose - 0.093" R										
DGM314R004	Multi-Purpose - 0.125" R										

● = P
 ● = M
 ● = K
 ● = N
 ○ = S

HARDWARE	 Screw	 Driver	
	SM35-114-H0	DS-T15T	



EVO•TEC™ SERIES 1SJ1F (TOP-ON STYLE)

0 DEGREE LEAD END MILL WITH 4 INDEXES



Shoulder



Channel



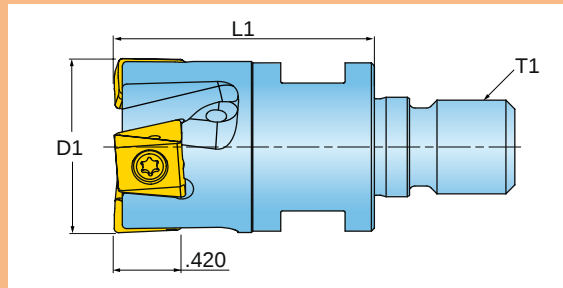
Facing



Slabbing



Coolant



Cutter Number	D1 Eff. Dia.	L1 Extension Length	T1 Shank Size/Style	Number of Inserts
1SJ1F-10015X7R01	1.000	1.50	M12	2
1SJ1F-12015X8R01	1.250	1.75	M16	3
1SJ1F-12015X8R02	1.250	1.75	M16	2
1SJ1F-15015X8R01	1.500	1.75	M16	4
1SJ1F-15015X8R02	1.500	1.75	M16	3

For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [356](#).



INSERTS

DGE314R001 	DGE314R002 	DGE314R004
DGM314R001 	DGM314R002 	DGM314R003
DGM314R004 		

Part Number	Applications	Grade	IN2005	IN2015	IN2030	IN2040	IN6515				
DGE314R001	SS/Hi-Temp/Ti - 0.031" R										
DGE314R002	SS/Hi-Temp/Ti - 0.062" R										
DGE314R004	SS/Hi-Temp/Ti - 0.125" R										
DGM314R001	Multi-Purpose - 0.031" R										
DGM314R002	Multi-Purpose - 0.062" R										
DGM314R003	Multi-Purpose - 0.093" R										
DGM314R004	Multi-Purpose - 0.125" R										

● = P
 ● = M
 ● = K
 ● = N
 ○ = S

HARDWARE		
	Screw	Driver
	SM35-114-H0	DS-T15T



HI-POSQUAD™ SERIES 15J1E

0 DEGREE LEAD END MILL



Shoulder



Channel



Ramping



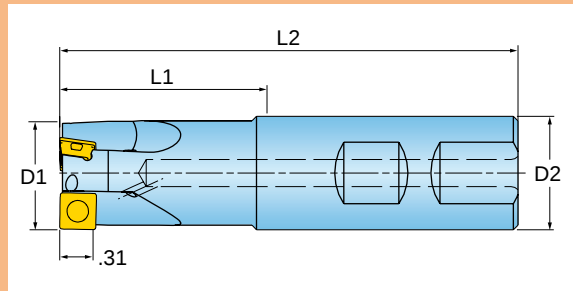
Corkscrew



Facing



Coolant

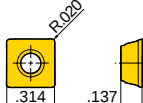
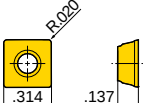
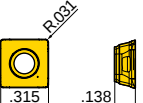
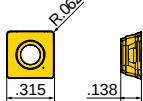
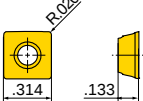
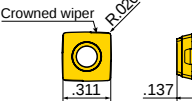
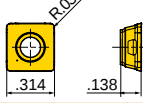


Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
15J1E-0601584R01	0.625	1.50	3.50	.750" Weldon	1	2.5
15J1E-0701784R01	0.750	1.75	3.75	.750" Weldon	2	2.5
15J1E-0703084R01	0.750	3.00	5.00	.750" Weldon	2	2.5
15J1E-1001780R01	1.000	1.75	4.00	1.000" Weldon	3	1.5
15J1E-1003580R01	1.000	3.50	5.75	1.000" Weldon	2	1.5
15J1E-1201780R01	1.250	1.75	4.00	1.000" Weldon	4	1

Operating guidelines on [353](#).



INSERTS

SDCT080305FN-P  	SDMT080305N  	SDMT080308N  
SDMT080316N  	SDMW080305TN  	SDMW080305TN-W  
SDMW080308TN  		

Part Number	Applications	Grade	IN1030	IN1530	IN2005	IN2015	IN2030	IN2040	IN30M		
SDCT080305FN-P	Grd/Pol for Al - 0.020" R										
SDMT080305N	Multi-Purpose - 0.020" R										
SDMT080308N	Multi-Purpose - 0.031" R										
SDMT080316N	Multi-Purpose - 0.062" R										
SDMW080305TN	Heavy-Duty - 0.020" R										
SDMW080305TN-W*	Crowned Wiper - 0.020" R										
SDMW080308TN	Heavy-Duty - 0.031" R										

*When used, wiper inserts should be loaded in all stations.

● = P ● = M ● = K ● = N ○ = S

HARDWARE			
	Screw	Driver	
	SM30-065-00	DS-T09W	



ROUGH-AIR™ SERIES 15X1W

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)



Shoulder



Channel



Ramping



Corkscrew



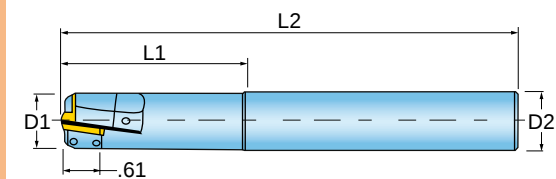
Pocket



Balanced



Coolant



Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
15X1W-07020S1R01	0.750	2.20	5.00	.750" Cylindrical	1	4.6
15X1W-10020S1R01	1.000	2.20	4.50	1.000" Cylindrical	2	9.6
15X1W-12020S9R01	1.250	2.20	4.50	1.250" Cylindrical	3	12.0
15X1W-15040S5R01	1.500	4.06	6.75	1.500" Cylindrical	3	8.5

Prebalanced to: G6.3 @ 20,000 RPM
Operating guidelines on [352](#).



INSERTS

XPET140405FR-P 	XPET140408FR-P 	XPET140408FR-PW
XPET140416FR-P 	XPET140424FR-P 	XPET140432FR-P

Part Number	Applications	Grade	IN15K									
XPET140405FR-P	Grd/Pol for Al - 0.020" R		●									
XPET140408FR-P	Grd/Pol for Al - 0.031" R		●									
XPET140408FR-PW	Grd/Pol for Al - 0.031" Wiper w/Radius		●									
XPET140416FR-P	Grd/Pol for Al - 0.062" R		●									
XPET140424FR-P	Grd/Pol for Al - 0.093" R		●									
XPET140432FR-P	Grd/Pol for Al - 0.125" R		●									

● = P ● = M ● = K ● = N ○ = S

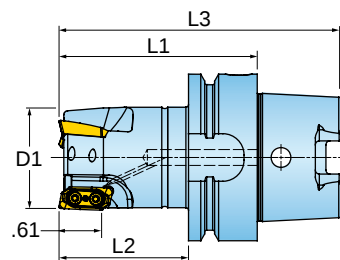
HARDWARE



Screw	Driver
15X1W-07020S1R01	SM30-065-00 DS-T09W
15X1W-10020S1R01	SM30-065-00 DS-T09W
15X1W-12020S9R01	SM30-082-00 DS-T09W
15X1W-15040S5R01	SM30-082-00 DS-T09W

ROUGH-AIR™ SERIES 15X1W (HSK ADAPTION)

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)

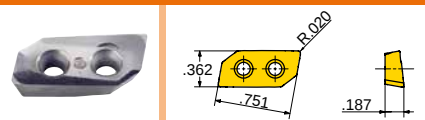


Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Projection Length	L3 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
15X1W-15040H5R01	1.500	4.00	2.35	5.25	HSK-63-A	3	8.5
15X1W-15040H7R01	1.500	4.00	2.35	5.57	HSK-80-A	3	8.5
15X1W-20040H5R01	2.000	4.00	2.35	5.25	HSK-63-A	4	6.0
15X1W-20040H7R01	2.000	4.00	2.35	5.57	HSK-80-A	4	6.0
15X1W-20055H5R01	2.000	5.50	3.85	6.75	HSK-63-A	4	6.0
15X1W-30040H7R01	3.000	4.00	2.98	5.57	HSK-80-A	5	4.0
15X1W-30040H5R01	3.000	4.00	4.00	5.25	HSK-63-A	5	4.0
15X1W-30055H5R01	3.000	5.50	5.50	6.75	HSK-63-A	5	4.0

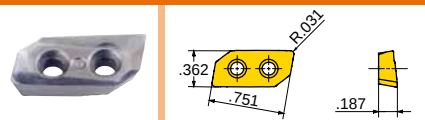
Prebalanced to: G2.5 @ 20,000 RPM
Operating guidelines on [352](#).

INSERTS

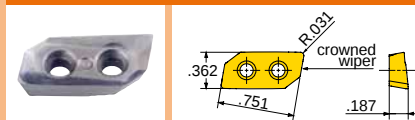
XPET140405FR-P



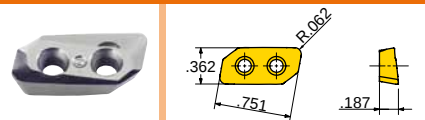
XPET140408FR-P



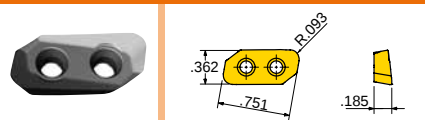
XPET140408FR-PW



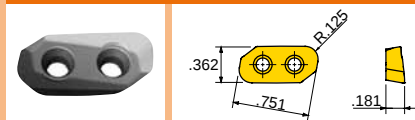
XPET140416FR-P



XPET140424FR-P



XPET140432FR-P



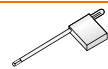
Part Number	Applications	Grade	IN15K								
XPET140405FR-P	Grd/Pol for Al - 0.020" R		●								
XPET140408FR-P	Grd/Pol for Al - 0.031" R		●								
XPET140408FR-PW	Grd/Pol for Al - 0.031" Wiper w/Radius		●								
XPET140416FR-P	Grd/Pol for Al - 0.062" R		●								
XPET140424FR-P	Grd/Pol for Al - 0.093" R		●								
XPET140432FR-P	Grd/Pol for Al - 0.125" R		●								

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM30-082-00

DS-T09W

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)



Shoulder



Channel



Ramping



Corkscrew



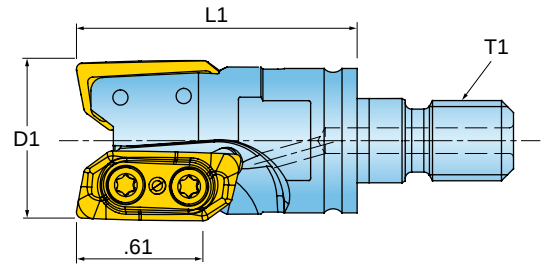
Pocket



Facing



Coolant

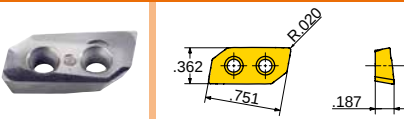


Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
15X1W-07013X6R01	0.750	M10	1.38	1	15mm	4.6
15X1W-10017X7R01	1.000	M12	1.75	2	17mm	9.6
15X1W-12017X8R01	1.250	M16	1.75	3	22mm	12
15X1W-15017X8R01	1.500	M16	1.75	3	22mm	8.5

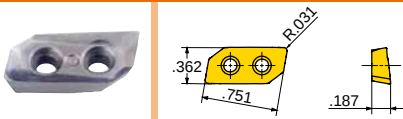
For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [352](#).

INSERTS

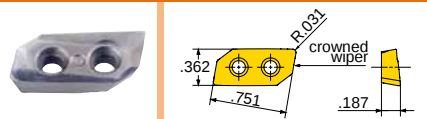
XPET140405FR-P



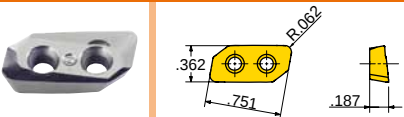
XPET140408FR-P



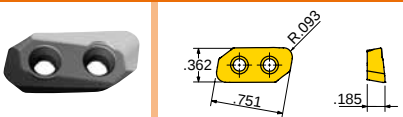
XPET140408FR-PW



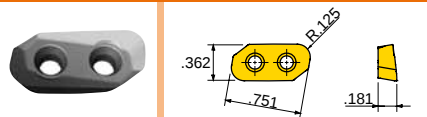
XPET140416FR-P



XPET140424FR-P



XPET140432FR-P



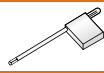
Part Number	Applications	Grade	IN15K								
XPET140405FR-P	Grd/Pol for Al - 0.020" R		●								
XPET140408FR-P	Grd/Pol for Al - 0.031" R		●								
XPET140408FR-PW	Grd/Pol for Al - 0.031" Wiper w/Radius		●								
XPET140416FR-P	Grd/Pol for Al - 0.062" R		●								
XPET140424FR-P	Grd/Pol for Al - 0.093" R		●								
XPET140432FR-P	Grd/Pol for Al - 0.125" R		●								

● = P ● = M ● = K ● = N ○ = S

HARDWARE



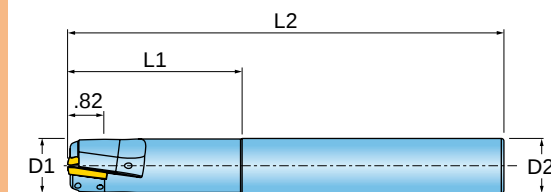
Screw



Driver

15X1W-07013X6R01	SM30-065-00	DS-T09W
15X1W-10017X7R01	SM30-065-00	DS-T09W
15X1W-12017X8R01	SM30-082-00	DS-T09W
15X1W-15017X8R01	SM30-082-00	DS-T09W

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)

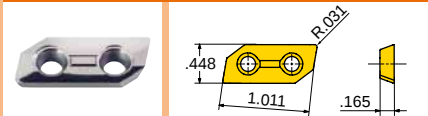


Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
15X1X-10020S1R01**	1.000	2.00	8.00	1.000" Cylindrical	2	21.0 (XR-P)
15X1X-12020S9R01	1.250	2.00	8.00	1.250" Cylindrical	2	20.8
15X1X-15040S9R02	1.500	4.00	10.00	1.250" Cylindrical	3	14.2
15X1X-15040S5R01	1.500	4.00	10.00	1.500" Cylindrical	2	14.2
15X1X-20040S2R01	2.000	4.00	10.00	2.000" Cylindrical	3	8.7

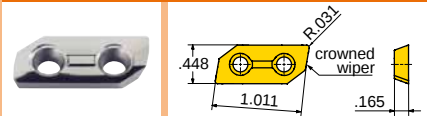
** Accepts XEET25040XR-P Insert Only
Operating guidelines on [352](#).

INSERTS

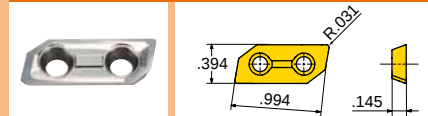
XEET250408R-P



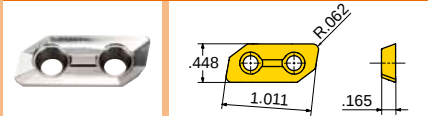
XEET250408R-PWRWK



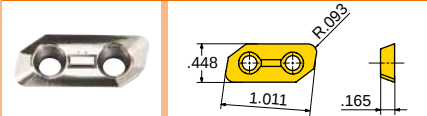
XEET25040XR-P



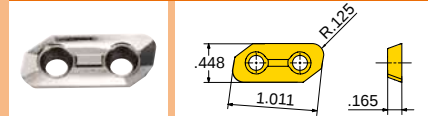
XEET250416R-P



XEET250424R-P



XEET250432R-P



Part Number	Applications	Grade	IN15K								
XEET250408R-P	Grd/Pol for Al - 0.031" R	●									
XEET250408R-PWRWK	Wiper - 0.031" R	●									
XEET25040XR-P**	Grd/Pol for Al - 0.031" R	●									
XEET250416R-P	Grd/Pol for Al - 0.062" R	●									
XEET250424R-P	Grd/Pol for Al - 0.093" R	●									
XEET250432R-P	Grd/Pol for Al - 0.125" R	●									

** 1.00" Diameter Tool Only

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-070-00

DS-T15T

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)



Shoulder



Channel



Ramping



Corkscrew



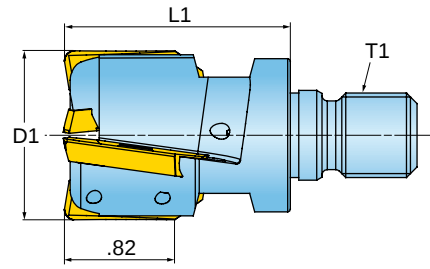
Pocket



Facing



Coolant

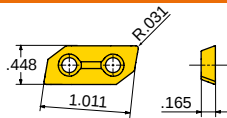


Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
15X1X-12017X8R01	1.250	M16	1.75	2	22mm	20.8
15X1X-15018X8R01	1.500	M16	1.88	2	22mm	14.2

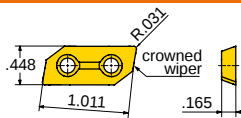
For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [352](#).

INSERTS

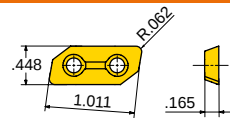
XEET250408R-P



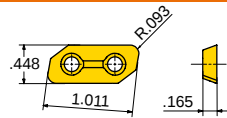
XEET250408R-PWRWK



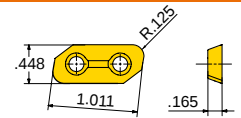
XEET250416R-P



XEET250424R-P



XEET250432R-P



Part Number	Applications	Grade	IN15K									
XEET250408R-P	Grd/Pol for Al - 0.031" R		●									
XEET250408R-PWRWK	Wiper - 0.031" R		●									
XEET250416R-P	Grd/Pol for Al - 0.062" R		●									
XEET250424R-P	Grd/Pol for Al - 0.093" R		●									
XEET250432R-P	Grd/Pol for Al - 0.125" R		●									

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-070-00

DS-T15T



ROUGH-AIR™ SERIES 15X1Z

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)



Shoulder



Channel



Ramping



Corkscrew



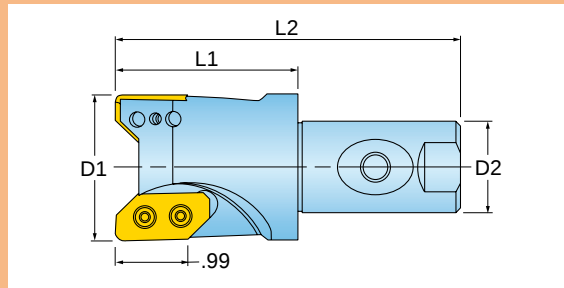
Pocket



Facing



Coolant



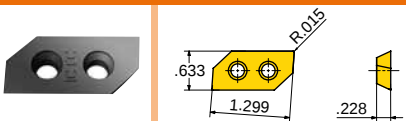
Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
15X1Z-2002581R01	2.000	2.50	4.75	1.250" Weldon	2	15.0
15X1Z-2002581R02	2.000	2.50	4.75	1.250" Weldon	2	15.0
15X1Z-2005548R01	2.000	5.50	9.50	ICT #50 V-Flange	2	15.0
15X1Z-20060S2R01	2.000	6.00	9.75	2.000" Cylindrical	2	15.0

Operating guidelines on [352](#).

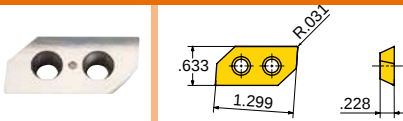


INSERTS

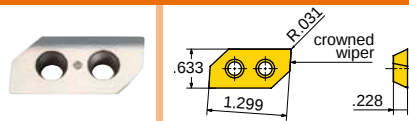
XFEB330504R-P



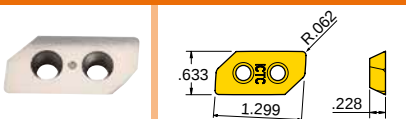
XFEB330508R-P



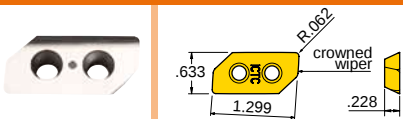
XFEB330508R-PW



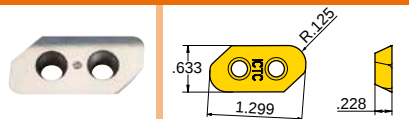
XFEB330516R-P



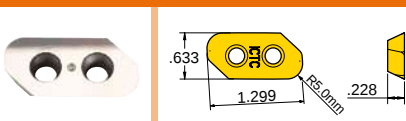
XFEB330516R-PW



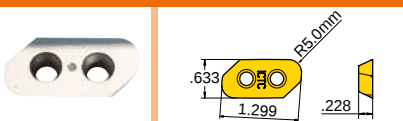
XFEB330532R-P



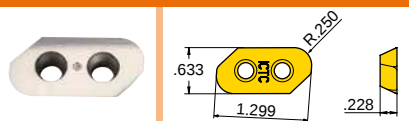
XFEB330550L-P



XFEB330550R-P



XFEB330564R-P



Part Number	Applications	Grade	IN15K										
XFEB330504R-P	Grd/Pol for Al - 0.020" (.5mm) R		●										
XFEB330508R-P	Grd/Pol for Al - 0.031" R		●										
XFEB330508R-PW	Wiper - 0.031" R		●										
XFEB330516R-P	Grd/Pol for Al - 0.062" R		●										
XFEB330516R-PW	Wiper - 0.062" R		●										
XFEB330532R-P	Grd/Pol for Al - 0.125" R		●										
XFEB330550L-P	Grd/Pol for Al - 0.197" (5mm) R		●										
XFEB330550R-P	Grd/Pol for Al - 0.197" (5mm) R		●										
XFEB330564R-P	Grd/Pol for Al - 0.250" R		●										

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

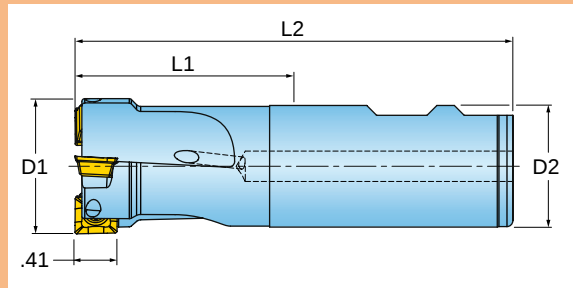
SM50-100-10

DS-T20T



ALUMINATOR SERIES 15U1G

0 DEGREE LEAD HIGH-SPEED ROUTER END MILL (ALUMINUM)

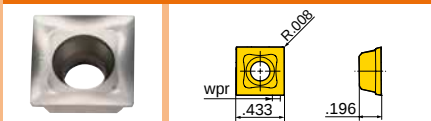


Cutter Number	D1 Nom. Dia.	L1 Extension Length	L2 Overall Length	D2 Shank Size/Style	Number of Inserts	Ramp Angle
15U1G-1001780R01	1.000	1.75	4.00	1.000" Weldon	2	2
15U1G-1202281R01	1.250	2.25	4.50	1.250" Weldon	3	6
15U1G-1502281R01	1.500	2.25	4.50	1.250" Weldon	3	4
15U1G-2002281R01	2.000	2.25	4.50	1.250" Weldon	4	1

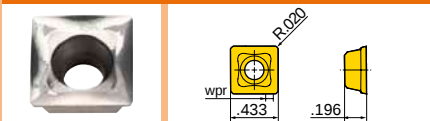
Operating guidelines on [352](#).

INSERTS

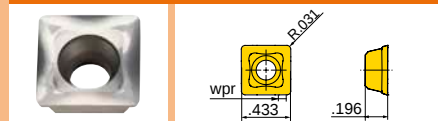
SHET110502FR-P



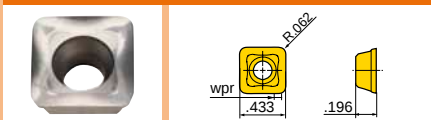
SHET110505FR-P



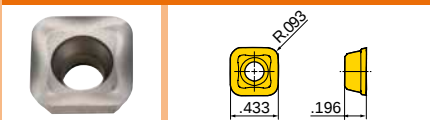
SHET110508FR-P



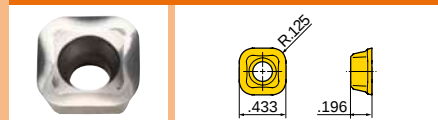
SHET110516FR-P



SHET110524FN-P



SHET110532FN-P



Part Number	Applications	Grade	IN15K								
SHET110502FR-P	Grd/Pol for Al - 0.008" R		●								
SHET110505FR-P	Grd/Pol for Al - 0.020" R		●								
SHET110508FR-P	Grd/Pol for Al - 0.031" R		●								
SHET110516FR-P	Grd/Pol for Al - 0.062" R		●								
SHET110524FN-P	Grd/Pol for Al - 0.093" R		●								
SHET110532FN-P	Grd/Pol for Al - 0.125" R		●								

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-093-20

DS-T15T

ALUMINATOR SERIES 15U1G (TOP-ON STYLE)

0 DEGREE LEAD HIGH SPEED ROUTER END MILL (ALUMINUM)



Shoulder



Channel



Ramping



Corkscrew



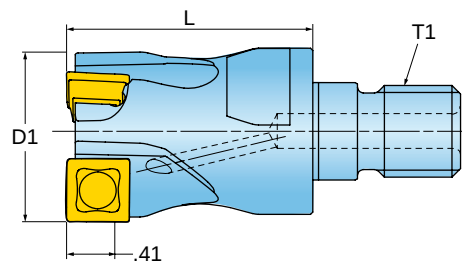
Pocket



Facing



Coolant

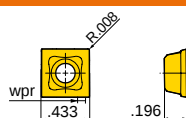


Cutter Number	D1 Nom. Dia.	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size	Ramp Angle
15U1G-10015X7R01	1.000	M12	1.50	2	17mm	2
15U1G-12017X8R01	1.250	M16	1.75	3	22mm	6
15U1G-15017X8R01	1.500	M16	1.75	3	22mm	4

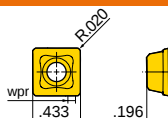
For Top-On shanks and adaptors, see [pages 730-737](#).
Operating guidelines on [352](#).

INSERTS

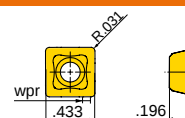
SHET110502FR-P



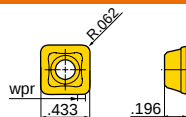
SHET110505FR-P



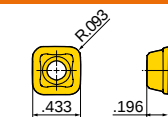
SHET110508FR-P



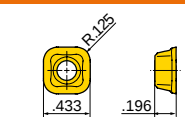
SHET110516FR-P



SHET110524FN-P



SHET110532FN-P



Part Number	Applications	Grade	IN15K									
SHET110502FR-P	Grd/Pol for Al - 0.008" R		●									
SHET110505FR-P	Grd/Pol for Al - 0.020" R		●									
SHET110508FR-P	Grd/Pol for Al - 0.031" R		●									
SHET110516FR-P	Grd/Pol for Al - 0.062" R		●									
SHET110524FN-P	Grd/Pol for Al - 0.093" R		●									
SHET110532FN-P	Grd/Pol for Al - 0.125" R		●									

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw

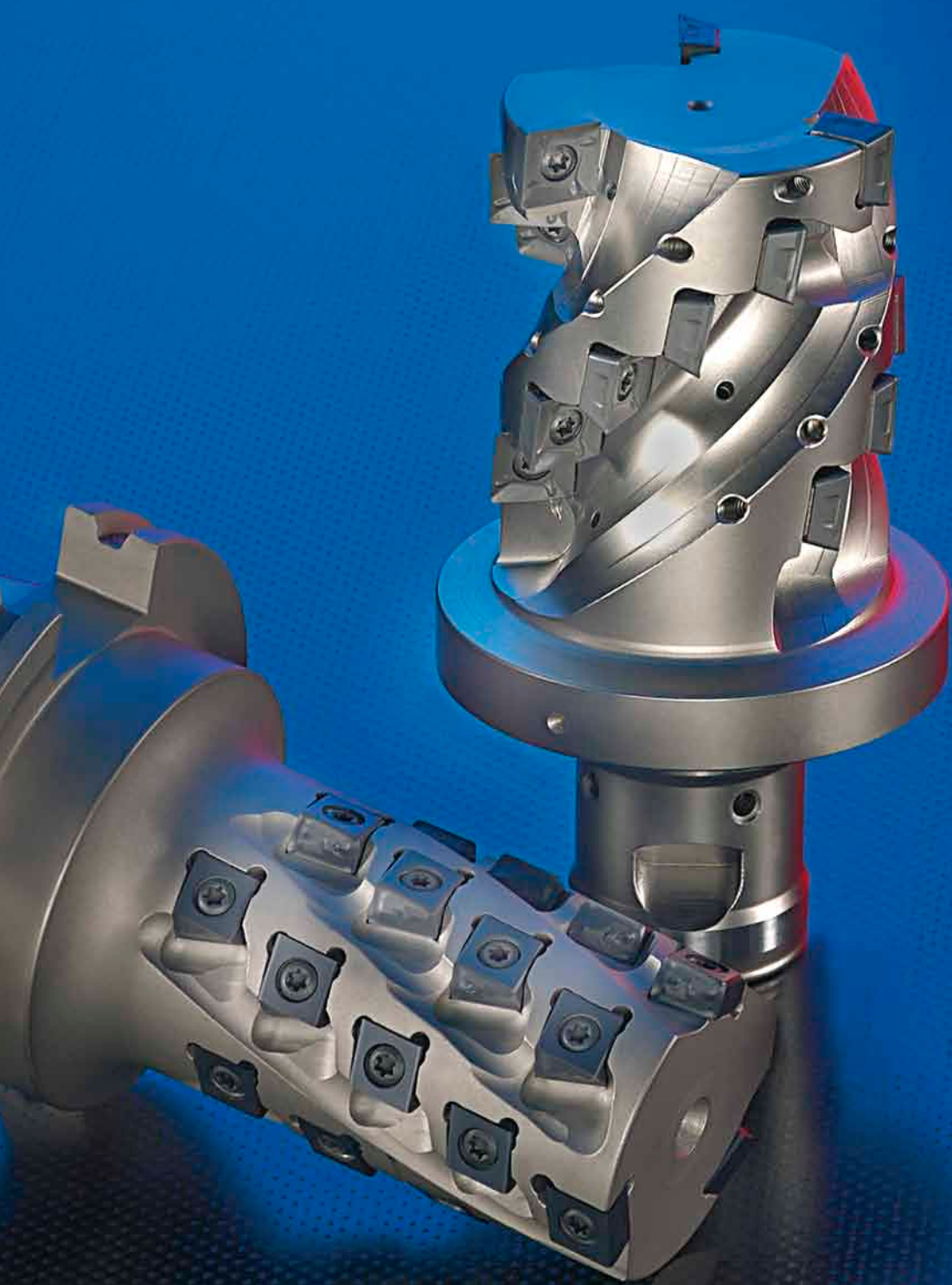


Driver

SM40-093-20

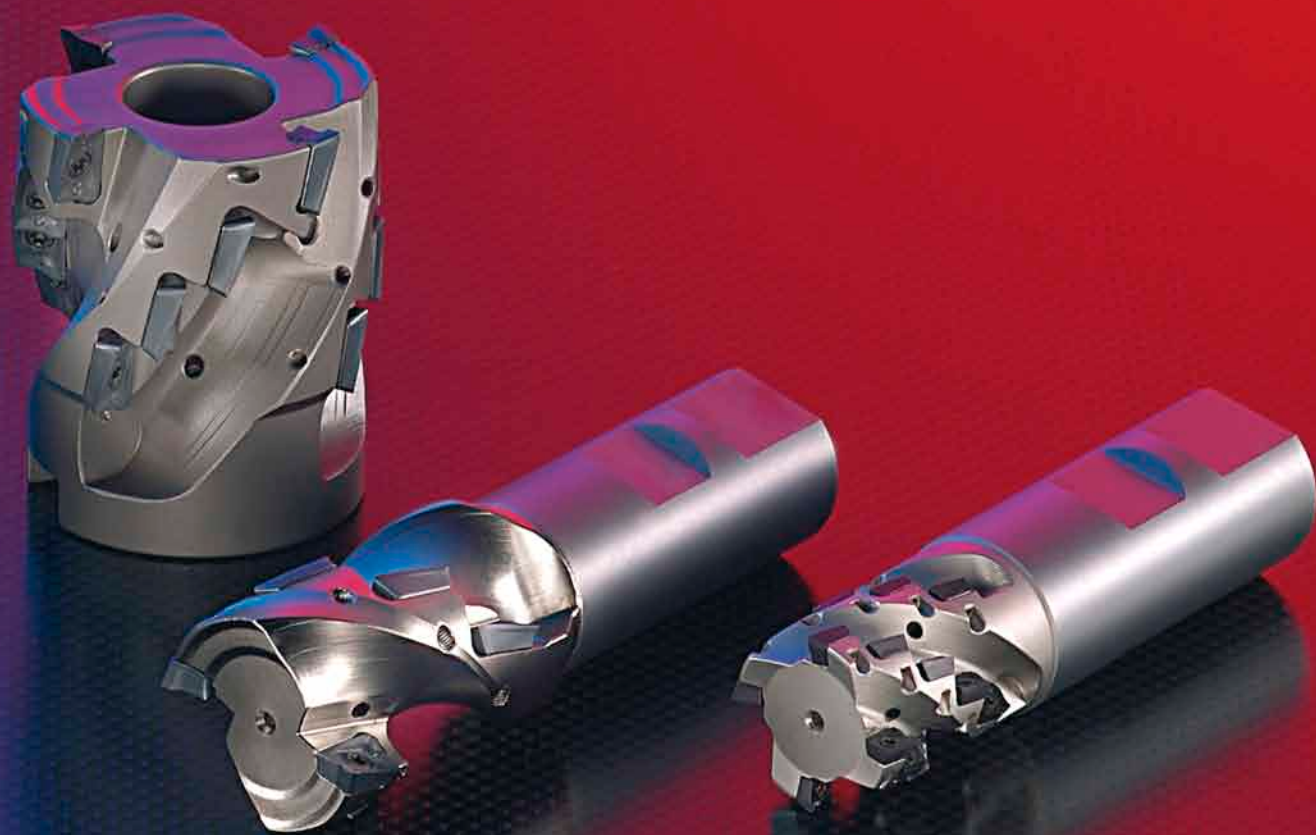
DS-T15T

Ingersoll



LONG-EDGE END MILLS.

Cutting Tools



Member IMC Group
Ingersoll
Cutting Tools



LONG-EDGE END MILLS.

	Diameter	Cutting Length	Description	Series	Page
	.625 - 1.000	.65 - 1.27	Hi-POS® 0° Lead Extended Flute End Mill	22J3D	70
	1.000 - 1.500	1.35 - 2.00	Hi-POS+ 0° Lead Extended Flute End Mill	22J3P	71
	1.000 - 2.000	.92 - 3.80	Hi-POS+ 0° Lead Extended Flute End Mill	22J3X	72
	2.00 - 2.500	1.73 - 2.60	Hi-POS+ 0° Lead Extended Flute End Mill	22J3X (Shell Mill)	74
	1.500	1.74	Hi-POS+ 0° Lead Extended Flute End Mill	22J3G	76
	1.500 - 2.000	1.66	Hi-POS+ 0° Lead Fluted Precision End Mill	22J3E	78
	1.500 - 2.500	2.26 - 4.42	Hi-POS+ 0° Fluted Precision Finishing End Mill	22J3E (Inno-Fit Style)	80
	2.000	3.87	Hi-POS+ 0° Lead Fluted Precision Finishing End Mill	22J3E (V-Flange)	80
	2.000 - 4.000	1.74 - 3.78	Hi-POS+ 0° Lead Fluted Precision Finishing Shell Mill	22J3E (Shell Mill)	82
	1.000 - 1.500	1.14 - 1.68	EVO-TEC™ 0° Lead Extended Flute End Mill	2SJ3Y	84

	Diameter	Cutting Length	Description	Series	Page
	1.250 - 2.000	1.40 - 2.29	EVO•TEC™ 0° Lead Extended Flute End Mill	2SJ3F	85
	2.500 - 3.000	2.66 - 3.04	EVO•TEC™ 0° Lead Extended Flute Shell Mill	2SJ3F (Shell Mill)	86
	2.500 - 4.000	2.44 - 3.90	EVO•TEC™ 0° Lead Extended Flute Shell Mill	2SJ3J (Shell Mill)	87
	3.000 - 4.000	3.29 - 4.03	SOMAX™ 0° Lead Extended Flute Shell Mill	2SJ1H, 2SJ1L (Shell Mill)	88
	4.000	3.49	SOMAX™ 0° Lead Extended Flute Shell Mill	2SJ1N (Shell Mill)	89
	2.000	2.21 - 3.31	TETRA™ 0° Lead Extended Flute End Mill	2TJ3N	90
	2.500 - 4.000	2.74 - 3.28	TETRA™ 0° Lead Extended Flute Shell Mill	2TJ3N (Shell Mill)	91
	1.250 - 1.500	1.85 - 2.16	HI•POSQUAD™ 0° Lead Extended Flute End Mill	25J3F, 25J3G	92
	2.000 - 4.000	1.10 - 4.35	HI•POSQUAD™ 0° Lead Extended Flute Shell Mill	25J3G, 25J3J (Shell Mill)	93
	2.500	4.38 - 5.82	HI•POSQUAD™ 0° Replaceable End Cap End Mill Assembly	25J3J (End Cap Style)	94



LONG-EDGE END MILLS.

	Diameter	Cutting Length	Description	Series	Page
	2.000	4.00 - 4.50	HI-POSQUAD 0° Replaceable End Cap End Mill Cap	23J2G (End Cap Style)	96
	1.500 - 2.000	2.35 - 6.10	HI-POSQUAD 0° Lead Heavy-Duty Fluted End Mill	23J6G	98
	2.000 - 3.000	2.33 - 4.01	HI-POSQUAD 0° Lead Extended Flute End Mill	25J3H	100
	2.000 - 3.000	2.33 - 4.01	HI-POSQUAD 0° Lead Extended Flute Shell Mill	25J3H (Shell Mill)	102

[illegible]



0 DEGREE LEAD EXTENDED FLUTE END MILL



Shoulder



Slabbing



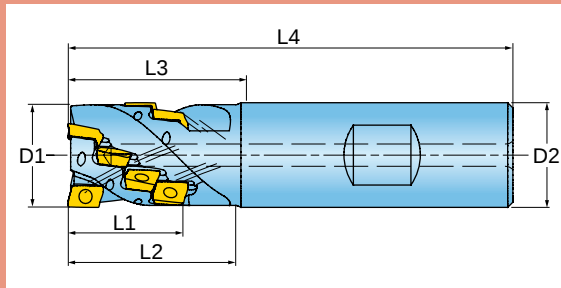
Channel



Facing



Coolant

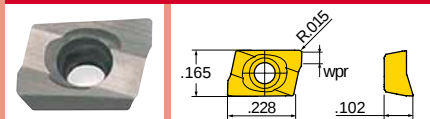


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	L2 Projection Length	L3 Extension Length	L4 Overall Length	D2 Shank Size/Style	Number of Flutes Total	Number of Flutes Effective	Number of Inserts
22J3D-0601179R01	0.625	0.65	1.18	1.25	3.50	.625" Weldon	2	2	6
22J3D-0701484R01	0.750	0.86	1.43	1.50	3.50	.750" Weldon	3	3	12
22J3D-1001880R01	1.000	1.27	1.75	1.80	4.00	1.000" Weldon	4	4	24

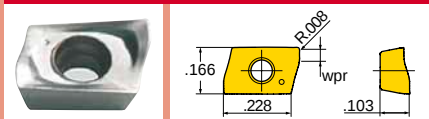
In side stations, use insert with .015" R or smaller to ensure overlap.
Operating instructions on [page 347](#).

INSERTS

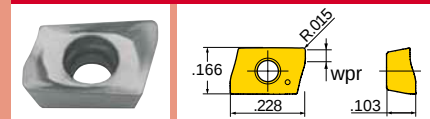
AOCT060204FR-P



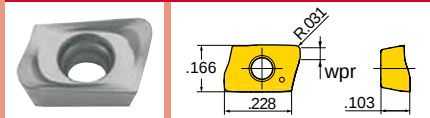
AOMT060202R



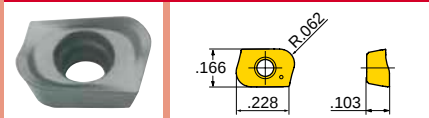
AOMT060204R



AOMT060208R



AOMT060216R



Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2030	IN2505				
AOCT060204FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT060202R	Multi-Purpose - 0.008" R			●	●	●					
AOMT060204R	Multi-Purpose - 0.015" R				●	●	●				
AOMT060208R	Multi-Purpose - 0.031" R					●	●				
AOMT060216R*	Multi-Purpose - 0.062" R					●	●				

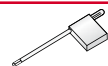
* Cutter body must be relieved to accept .062" R.

● = P ● = M ● = K ● = N ● = S

HARDWARE



Screw



Driver



Opt. Torque Driver Handle



Opt. Bit for DTN005S

SM18-041-00

DS-TP06S

DTN005S

DS-TP06TB

0 DEGREE LEAD EXTENDED FLUTE END MILL



Shoulder



Slabbing



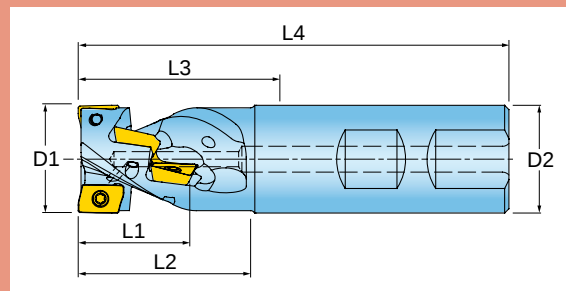
Channel



Facing



Coolant

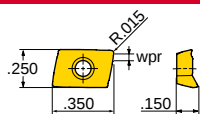


Cutter Number	D1 Nom. Dia.	L1 Max Depth of Cut	L2 Projection Length	L3 Extension Length	L4 Overall Length	D2 Shank Size/Style	Number of Flutes	Number of Inserts
22J3P-1001780R01	1.000	1.35	1.75	1.75	4.00	1.000" Weldon	2	8
22J3P-1202480R01	1.250	1.68	2.00	2.45	4.70	1.000" Weldon w/Flange	3	15
22J3P-1502881R01	1.500	2.00	2.36	2.80	5.00	1.250" Weldon w/Flange	4	24

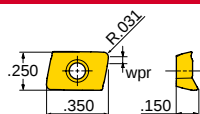
In side stations, use insert with .015" R or smaller to ensure overlap.
Operating instructions on [page 349](#).

INSERTS

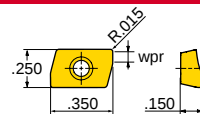
BOCT09T304FR-P



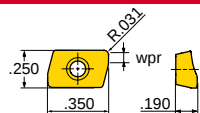
BOCT09T308FR-P



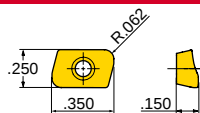
BOMT09T304R



BOMT09T308R



BOMT09T316R



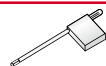
Part Number	Applications	Grade	IN10K	IN2030	IN2505							
BOCT09T304FR-P	Grd/Pol for Al - 0.015" R		●									
BOCT09T308FR-P	Grd/Pol for Al - 0.031" R		●									
BOMT09T304R	Multi-Purpose - 0.015" R			●	●							
BOMT09T308R	Multi-Purpose - 0.031" R			●	●							
BOMT09T316R	Multi-Purpose - 0.062" R			●	●							

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM25-064-00

DS-T08W



0 DEGREE LEAD EXTENDED FLUTE END MILL



Shoulder



Slabbing



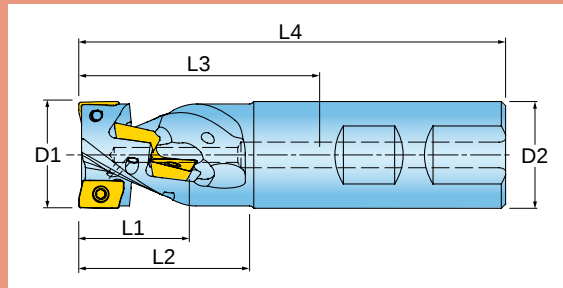
Channel



Facing



Coolant

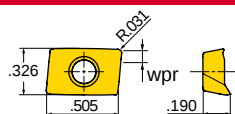


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	L2 Projection Length	L3 Extension Length	L4 Overall Length	D2 Flange Diameter	Number of Effective Flutes	Number of Inserts
22J3X-1001680R01	1.000	0.92	1.50	1.60	3.85	1.000" Weldon	2	4
22J3X-1002080R01	1.000	1.35	1.64	2.02	4.27	1.000" Weldon w/Flange	2	6
22J3X-1002780R01	1.000	2.20	2.31	2.70	5.00	1.000" Weldon	2	10
22J3X-1201680R01	1.250	0.92	1.21	1.60	3.85	1.000" Weldon w/Flange	2	4
22J3X-1202480R01	1.250	1.76	2.07	2.45	4.70	1.000" Weldon w/Flange	3	12
22J3X-1203380R01	1.250	2.63	2.97	3.37	5.62	1.000" Weldon w/Flange	2	12
22J3X-1502381R01	1.500	1.35	2.31	2.31	4.56	1.250" Weldon w/Flange	3	9
22J3X-1502881R01	1.500	2.20	2.43	2.80	5.05	1.250" Weldon w/Flange	3	15
22J3X-1503429R01	1.500	2.20	2.43	3.93	6.61	#40 V-Flange	3	15
22J3X-1504484R01	1.500	2.20	3.23	4.45	7.03	#40 BT-Flange	3	15
22J3X-2002781R01	2.000	1.76	2.75	2.75	5.00	1.250" Weldon	4	16
22J3X-2005548R01	2.000	3.80	4.50	5.50	9.50	ICT #50 V-Flange	5	45

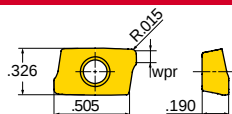
In side stations, use insert with .031" R or smaller to ensure overlap.
Operating instructions on [page 346](#).

INSERTS

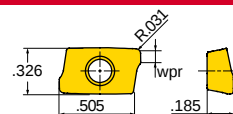
AOCT120408FR-P



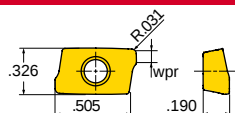
AOMT120404R



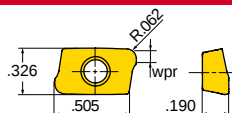
AOMT120408FR



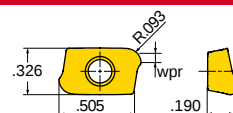
AOMT120408R



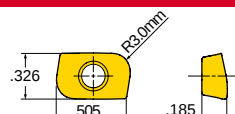
AOMT120416R



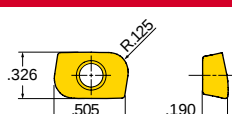
AOMT120424R



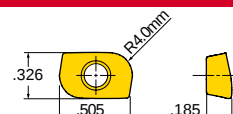
AOMT120430FR



AOMT120432R



AOMT120440R



Part Number	Applications	Grade	IN1030	IN10K	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	
AOCT120408FR-P	Grd/Pol for Al - 0.031" R			●							
AOMT120404R	Multi-Purpose - 0.015" R		●		●						
AOMT120408FR	Hi-Temp/Ti - 0.031" R				●		●				
AOMT120408R	Multi-Purpose - 0.031" R		●		●	●	●	●	●		
AOMT120416R	Multi-Purpose - 0.062" R		●		●		●			●	
AOMT120424R	Multi-Purpose - 0.093" R				●		●				
AOMT120430FR	Multi-Purpose - 3.000 mm R				●						
AOMT120432R	Multi-Purpose - 0.125" R		●		●	●	●	●			
AOMT120440R*	Multi-Purpose - 4.000 mm R								●		

* Cutter body must be relieved to accept 4mm R.

● = P ● = M ● = K ● = N ● = S

HARDWARE



Screw



Driver

SM35-076-10

DS-T10T



SERIES 22J3X (SHELL MILL)

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL



Shoulder



Slabbing



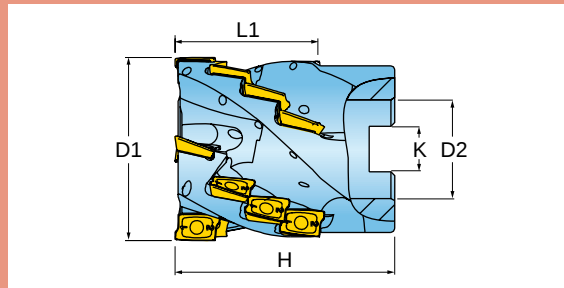
Channel



Facing



Coolant

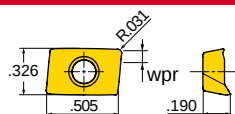


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	H Height	D2 Bore Dia.	Keyway Width	No. of Flutes Effective	No. of Flutes Total	Total Inserts
22J3X-20022D1R01	2.000	1.73	2.20	0.750	0.312	3	3	12
22J3X-20025D1R01	2.000	2.16	3.00	0.750	0.312	5	5	25
22J3X-25030D3R01	2.500	2.60	3.50	1.000	0.375	5	5	30

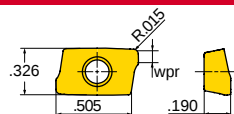
* In side stations, use insert with .031" R or smaller to ensure overlap.
Operating instructions on [page 346](#).

INSERTS

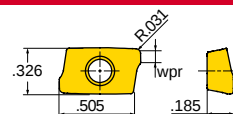
AOCT120408FR-P



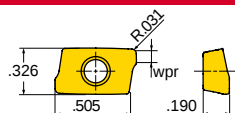
AOMT120404R



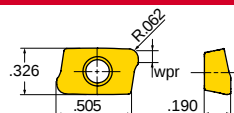
AOMT120408FR



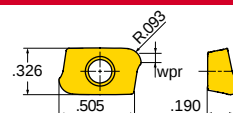
AOMT120408R



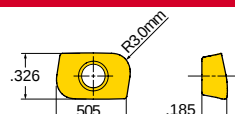
AOMT120416R



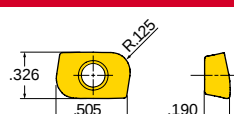
AOMT120424R



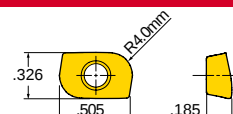
AOMT120430FR



AOMT120432R



AOMT120440R



Part Number	Applications	Grade	IN1030	IN10K	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	
AOCT120408FR-P	Grd/Pol for Al - 0.031" R			●							
AOMT120404R	Multi-Purpose - 0.015" R		●		●						
AOMT120408FR	Hi-Temp/Ti - 0.031" R			●	●		●				
AOMT120408R	Multi-Purpose - 0.031" R		●	●	●	●	●	●	●		
AOMT120416R	Multi-Purpose - 0.062" R		●	●	●		●			●	
AOMT120424R	Multi-Purpose - 0.093" R			●	●		●				
AOMT120430FR	Multi-Purpose - 3.000 mm R			●	●						
AOMT120432R	Multi-Purpose - 0.125" R		●	●	●	●	●				
AOMT120440R*	Multi-Purpose - 4.000 mm R								●		

* Cutter body must be relieved to accept 4mm R.

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Retention Bolt

22J3X-20022D1R01	SM35-076-10	DS-T10T	SD-06-49
22J3X-20025D1R01	SM35-076-10	DS-T10T	SD-06-49
22J3X-25030D3R01	SM35-076-10	DS-T10T	SD-08-52



0 DEGREE LEAD EXTENDED FLUTE END MILL



Shoulder



Slabbing



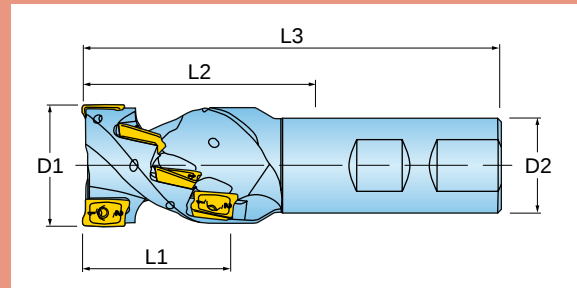
Channel



Facing



Coolant

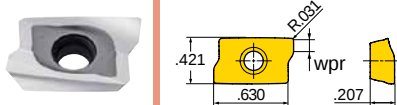


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	Number of Flutes Effective	Number of Flutes Total	Number of Inserts
22J3G-1502581R01	1.500	1.74	3.25	5.50	1.250" Weldon	2	2	6

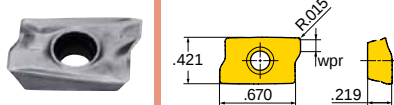
In side stations, use insert with .031" R or smaller to ensure overlap.
Operating instructions on [page 346](#).

INSERTS

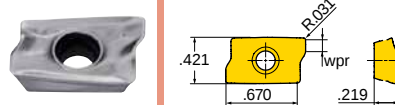
AOCT170508FR-P



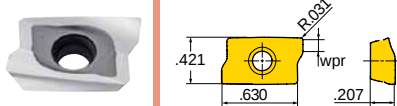
AOMT170504R



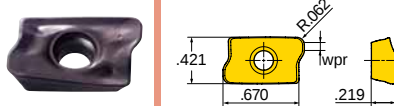
AOMT170508R



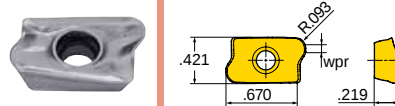
AOMT170508R-HS



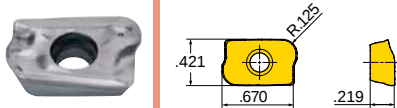
AOMT170516R



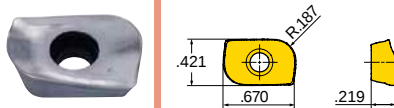
AOMT170524R



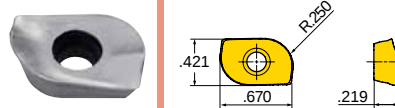
AOMT170532R



AOMT170548R



AOMT170564R



Part Number	Applications	Grade	IN1030	IN2005	IN2010	IN2030	IN2040	IN2505	IN2510	INDD15	IN10K
AOCT170508FR-P	Grd/Pol for Al - 0.031" R										
AOMT170504R	Multi-Purpose - 0.015" R										
AOMT170508R	Multi-Purpose - 0.031" R										
AOMT170508R-HS	Hi-Temp/Ti - 0.031" R										
AOMT170516R	Multi-Purpose - 0.062" R										
AOMT170524R	Multi-Purpose - 0.093" R										
AOMT170532R	Multi-Purpose - 0.125" R										
AOMT170548R*	Multi-Purpose - 0.187" R										
AOMT170564R*	Multi-Purpose - 0.250" R										

* Cutter body must be relieved to accept radii.

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-093-20

DS-T15T



0 DEGREE LEAD FLUTED PRECISION FINISHING END MILL



Shoulder



Slabbing



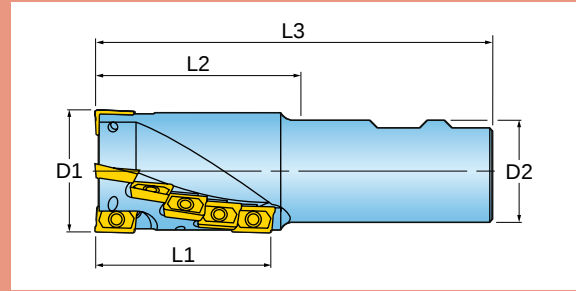
Channel



Facing



Coolant

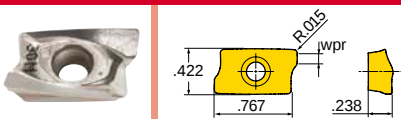


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	No. of Flutes Effective	No. of Flutes Total	Number of Inserts
22J3E-1502381R01	1.500	1.66	2.33	4.58	1.250" Weldon	2	2	6
22J3E-2002381R01	2.000	1.66	2.33	4.58	1.250" Weldon	3	3	9

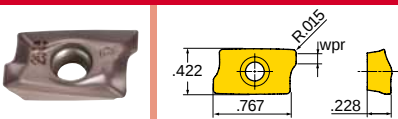
In side stations, use insert with .031" R or smaller to ensure overlap.
Operating instructions on [page 352](#).

INSERTS

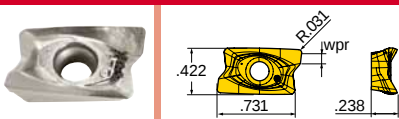
AOMT180504FR-P



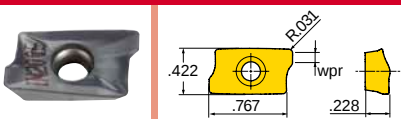
AOMT180504R-HS



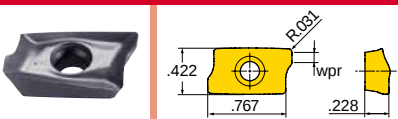
AOMT180508FR-P



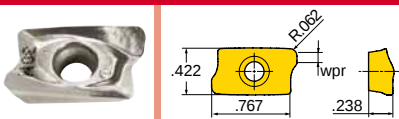
AOMT180508R



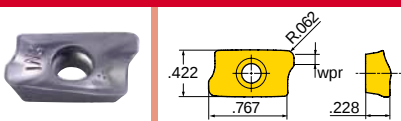
AOMT180508R-HS



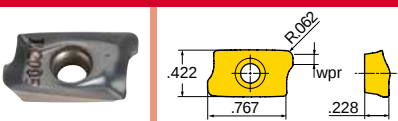
AOMT180516FR-P



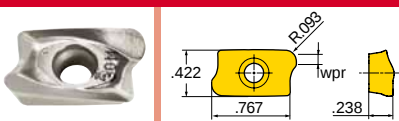
AOMT180516R



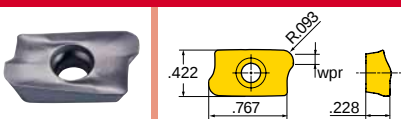
AOMT180516R-HS



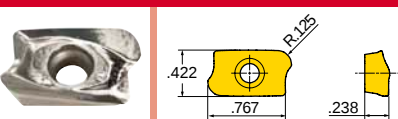
AOMT180524FR-P



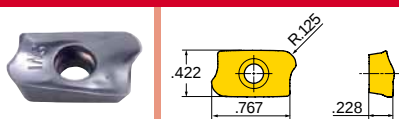
AOMT180524R



AOMT180532FR-P



AOMT180532R



Part Number

Applications

Grade

IN05S

IN1030

IN2005

IN2015

IN2030

IN2040

IN30M

AOMT180504FR-P Grd/Pol for Al - 0.015" R

AOMT180504R-HS Hi-Temp/Ti - 0.015" R

AOMT180508FR-P Grd/Pol for Al - 0.031" R

AOMT180508R Multi-Purpose - 0.031" R

AOMT180508R-HS Hi-Temp/Ti - 0.031" R

AOMT180516FR-P Grd/Pol for Al - 0.062" R

AOMT180516R Multi-Purpose - 0.062" R

AOMT180516R-HS Hi-Temp/Ti - 0.062" R

AOMT180524FR-P Grd/Pol for Al - 0.093" R

AOMT180524R Multi-Purpose - 0.093" R

AOMT180532FR-P Grd/Pol for Al - 0.125" R

AOMT180532R Multi-Purpose - 0.125" R

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

22J3E-1502381R01

SM40-093-20

DS-T15T

22J3E-2002381R01

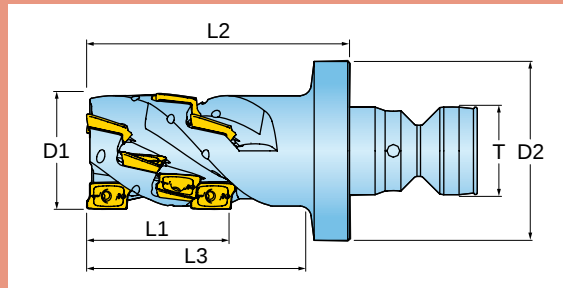
SM40-120-20

DS-T15T



HI-POS⁺ SERIES 22J3E (INNO-FIT STYLE)

0 DEGREE FLUTED PRECISION FINISHING END MILL

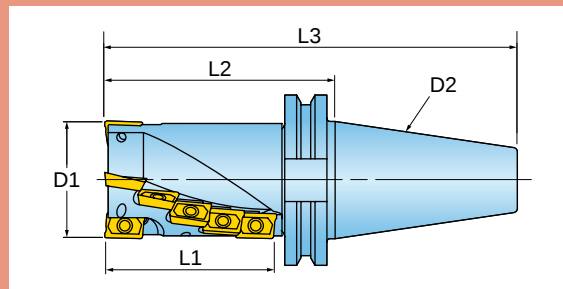


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	L2 Extension Length	L3 Projection Length	T Shank Size/Style	D2 Flange Dia.	No. of Flutes Effective	No. of Flutes Total	Number of Inserts
22J3E-15035Z5R01	1.500	2.26	3.55	2.85	SK50	3.07	2	2	8
22J3E-20035Z5R01	2.000	2.26	3.55	2.85	SK50	3.07	3	3	12
22J3E-25055Z5R01	2.500	4.42	5.55	4.85	SK50	3.07	4	4	32

In side stations, use insert with .031" R or smaller to ensure overlap.
For Inno-Fit master shanks and adaptors, see [pages 726-729](#).
Operating instructions on [page 352](#).

HI-POS⁺ SERIES 22J3E (V-FLANGE)

0 DEGREE LEAD FLUTED PRECISION FINISHING END MILL

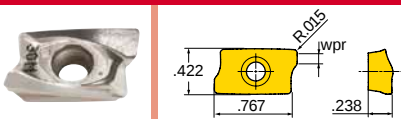


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	No. of Flutes Eff. Side	No. of Flutes Eff. End	Number of Inserts
22J3E-2005548R01	2.000	3.87	5.50	9.50	ICT #50 V-Flange	3	3	21

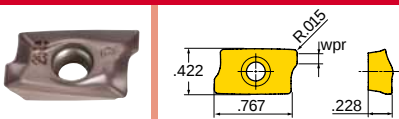
In side stations, use .031" R or smaller to ensure overlap.
Operating instructions on [page 352](#).

INSERTS

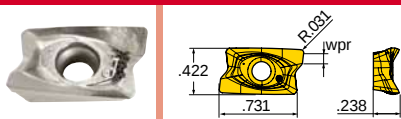
AOMT180504FR-P



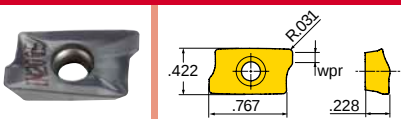
AOMT180504R-HS



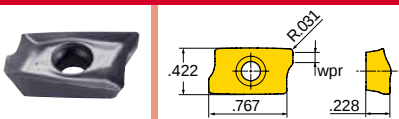
AOMT180508FR-P



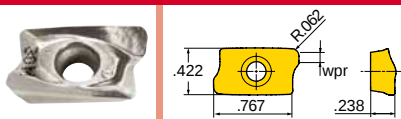
AOMT180508R



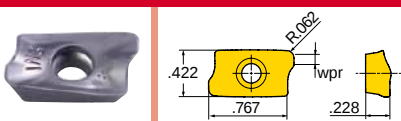
AOMT180508R-HS



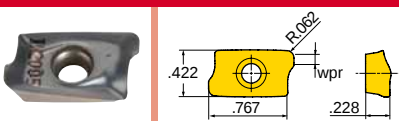
AOMT180516FR-P



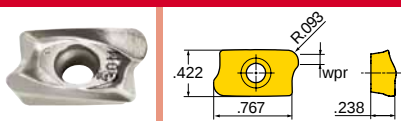
AOMT180516R



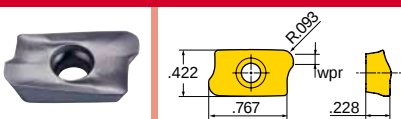
AOMT180516R-HS



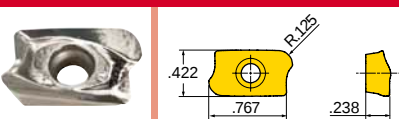
AOMT180524FR-P



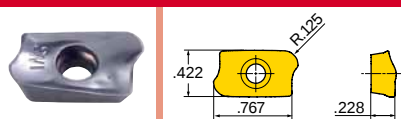
AOMT180524R



AOMT180532FR-P



AOMT180532R



Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M		
AOMT180504FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT180504R-HS	Hi-Temp/Ti - 0.015" R						●				
AOMT180508FR-P	Grd/Pol for Al - 0.031" R								●		
AOMT180508R	Multi-Purpose - 0.031" R		●	●	●	●	●	●			
AOMT180508R-HS	Hi-Temp/Ti - 0.031" R			●		●			●		
AOMT180516FR-P	Grd/Pol for Al - 0.062" R								●		
AOMT180516R	Multi-Purpose - 0.062" R		●	●	●	●	●	●			
AOMT180516R-HS	Hi-Temp/Ti - 0.062" R			●							
AOMT180524FR-P	Grd/Pol for Al - 0.093" R								●		
AOMT180524R	Multi-Purpose - 0.093" R		●	●				●			
AOMT180532FR-P	Grd/Pol for Al - 0.125" R								●		
AOMT180532R	Multi-Purpose - 0.125" R		●	●	●	●	●	●			

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

22J3E-15035Z5R01	SM40-093-20	DS-T15T
22J3E-20035Z5R01	SM40-120-20	DS-T15T
22J3E-25055Z5R01	SM40-120-20	DS-T15T



SERIES 22J3E (SHELL MILL)

0 DEGREE LEAD FLUTED PRECISION FINISHING SHELL MILL



Shoulder



Slabbing



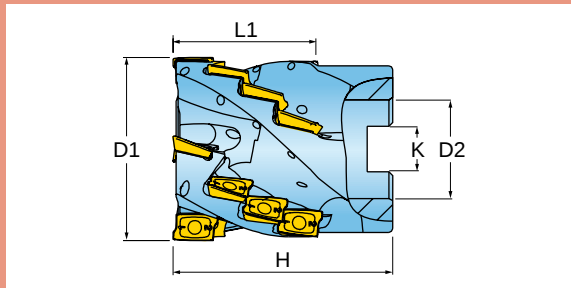
Channel



Facing



Coolant



Cutter Number	D1 Nom. Dia.	L1 Length of Cut	H Height	D2 Bore Dia.	K Keyway Width	No. of Flutes Effective	No. of Flutes Total	Total Inserts	Coolant
22J3E-20022D1R01	2.000	1.74	2.25	0.750	0.312	4	4	12	Yes
22J3E-25030D3R01	2.500	2.26	3.06	1.000	0.375	4	4	16	No
22J3E-30033D4R01	3.000	2.76	3.36	1.250	0.500	4	4	20	No
22J3E-40044D5R01	4.000	3.78	4.47	1.500	0.625	5	5	35	No

In side stations, use .031" R or smaller to ensure overlap.
Operating instructions on [page 352](#).

INSERTS

AOMT180504FR-P		AOMT180504R-HS		AOMT180508FR-P	
AOMT180508R		AOMT180508R-HS		AOMT180516FR-P	
AOMT180516R		AOMT180516R-HS		AOMT180524FR-P	
AOMT180524R		AOMT180532FR-P		AOMT180532R	
AOMT180548R		AOMT180564R			

Part Number	Applications	Grade	IN05S	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M		
AOMT180504FR-P	Grd/Pol for Al - 0.015" R		●								
AOMT180504R-HS	Hi-Temp/Ti - 0.015" R						●				
AOMT180508FR-P	Grd/Pol for Al - 0.031" R								●		
AOMT180508R	Multi-Purpose - 0.031" R		●	●	●	●	●	●			
AOMT180508R-HS	Hi-Temp/Ti - 0.031" R			●			●		●		
AOMT180516FR-P	Grd/Pol for Al - 0.062" R								●		
AOMT180516R	Multi-Purpose - 0.062" R		●	●	●	●	●	●			
AOMT180516R-HS	Hi-Temp/Ti - 0.062" R			●					●		
AOMT180524FR-P	Grd/Pol for Al - 0.093" R								●		
AOMT180524R	Multi-Purpose - 0.093" R		●	●				●			
AOMT180532FR-P	Grd/Pol for Al - 0.125" R								●		
AOMT180532R	Multi-Purpose - 0.125" R		●	●	●	●	●	●			

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



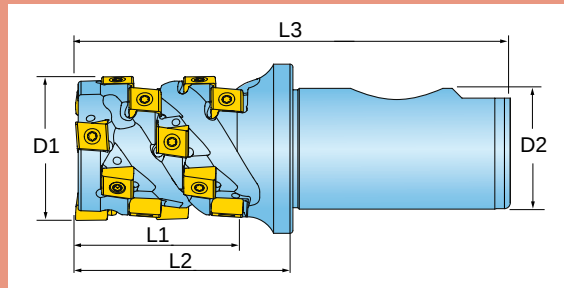
Retention Bolt

22J3E-20022D1R01	SM40-093-20	DS-T15T	SD-06-49
22J3E-25030D3R01	SM40-120-20	DS-T15T	SD-08-52
22J3E-30033D4R01	SM40-120-20	DS-T15T	SD-10-52
22J3E-40044D5R01	SM40-120-20	DS-T15T	SD-12-54



SERIES 2SJ3Y

0 DEGREE LEAD EXTENDED FLUTE END MILL WITH 4 INDEXES

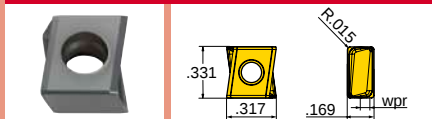


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	Number of Effective Flutes	Number of Flutes Total	Number of Inserts
2SJ3Y-1001780R01	1.000	1.14	1.75	4.00	1.000" Weldon w/Flange	2	2	8
2SJ3Y-1201781R01	1.250	1.14	1.75	4.00	1.250" Weldon w/Flange	3	3	12
2SJ3Y-1502281R01	1.500	1.68	2.25	4.50	1.250" Weldon w/Flange	3	3	18

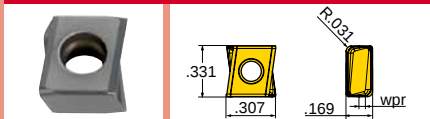
Operating instructions on [page 355](#).

INSERTS

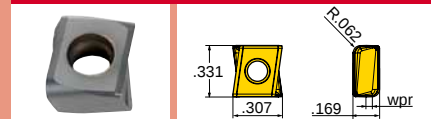
DGM212R100



DGM212R101



DGM212R103



Part Number	Applications	Grade	IN2005	IN2015	IN2030						
DGM212R100	Multi-Purpose - 0.015" R										
DGM212R101	Multi-Purpose - 0.031" R										
DGM212R103*	Multi-Purpose - 0.062" R										

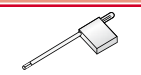
*End Station Only

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM30-082-21

DS-T08W

0 DEGREE LEAD EXTENDED FLUTE END MILL WITH 4 INDEXES



Shoulder



Slabbing



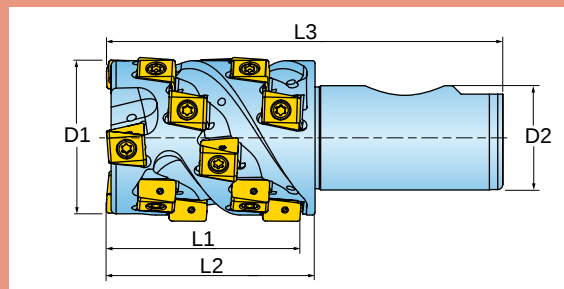
Facing



Channel



Coolant



Cutter Number	D1 Nom. Dia.	L1 Length of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	Number of Effective Flutes	Number of Flutes Total	Number of Inserts
2SJ3F-1201781R01	1.250	1.40	1.75	4.00	1.250" Weldon w/Flange	2	2	6
2SJ3F-1502081R01	1.500	1.54	2.00	4.25	1.250" Weldon w/Flange	2	2	8
2SJ3F-2002581R01	2.000	2.29	2.50	4.75	1.250" Weldon w/Flange	3	3	18

Operating instructions on [page 356](#).

INSERTS

DGE314R001			DGE314R002			DGE314R004	
DGM314R001			DGM314R002			DGM314R003	
DGM314R004							

Part Number	Applications	Grade	IN2005	IN2015	IN2030	IN2040	IN6515				
DGE314R001	SS/Hi-Temp/Ti - 0.031" R										
DGE314R002	SS/Hi-Temp/Ti - 0.062" R										
DGE314R004*	SS/Hi-Temp/Ti - 0.125" R										
DGM314R001	Multi-Purpose - 0.031" R										
DGM314R002	Multi-Purpose - 0.062" R										
DGM314R003*	Multi-Purpose - 0.093" R										
DGM314R004*	Multi-Purpose - 0.125" R										

*End Station Only

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM35-114-H0

DS-T15T



EVOO TEC™ SERIES 2SJ3F (SHELL MILL)

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL WITH 4 INDEXES



Shoulder



Slabbing



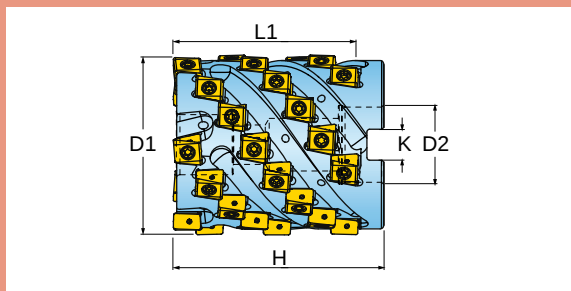
Channel



Facing



Coolant

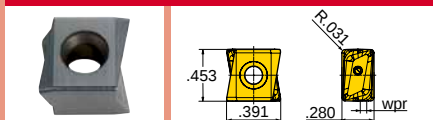


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	H Height	D2 Bore Dia.	Keyway	Number of Effective Flutes	Number of Total Flutes	Number of Inserts
2SJ3F-25030D3R01	2.500	2.66	3.00	1.000	0.375	4	4	28
2SJ3F-30035D4R01	3.000	3.04	3.50	1.250	0.500	5	5	40

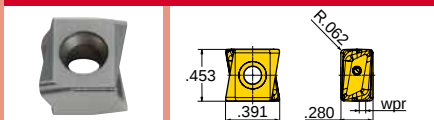
Operating instructions on [page 356](#).

INSERTS

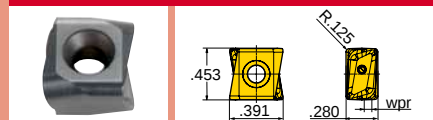
DGE314R001



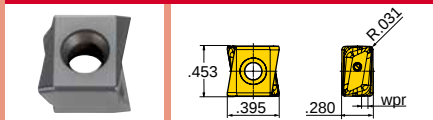
DGE314R002



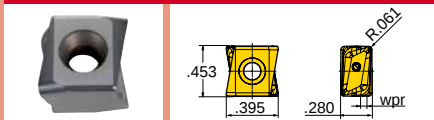
DGE314R004



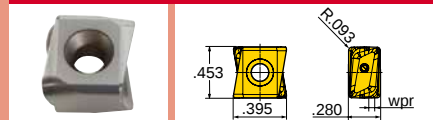
DGM314R001



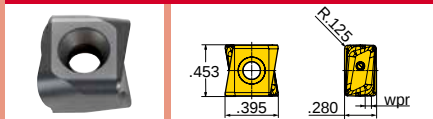
DGM314R002



DGM314R003



DGM314R004



Part Number	Applications	Grade	IN2005	IN2015	IN2030	IN2040	IN6515					
DGE314R001	SS/Hi-Temp/Ti - 0.031" R											
DGE314R002	SS/Hi-Temp/Ti - 0.062" R											
DGE314R004*	SS/Hi-Temp/Ti - 0.125" R											
DGM314R001	Multi-Purpose - 0.031" R											
DGM314R002	Multi-Purpose - 0.062" R											
DGM314R003*	Multi-Purpose - 0.093" R											
DGM314R004*	Multi-Purpose - 0.125" R											

*End Station Only

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Retention Bolt

2SJ3F-25030D3R01	SM35-114-H0	DS-T15T	SD-08-50
2SJ3F-30035D4R01	SM35-114-H0	DS-T15T	SD-10-52

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL WITH 4 INDEXES



Shoulder



Slabbing



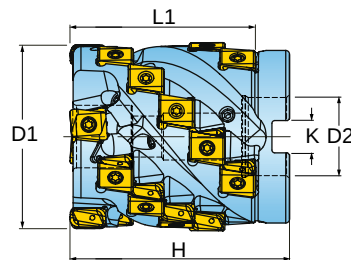
Channel



Facing



Coolant

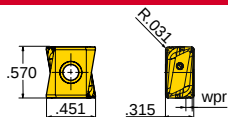


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	H Height	D2 Bore Dia.	Keyway Width	No. of Flutes Effective	No. of Flutes Total	Total Inserts
2SJ3J-25030D3R01	2.500	2.44	3.00	1.000	0.375	3	3	15
2SJ3J-30035D4R01	3.000	2.92	3.50	1.250	0.500	4	4	24
2SJ3J-40045D5R01	4.000	3.90	4.50	1.500	0.625	5	5	40

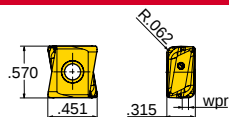
Operating instructions [onpage 356](#).

INSERTS

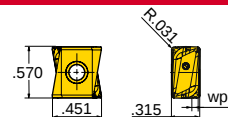
DGE324R001



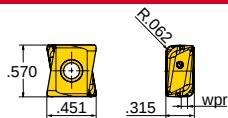
DGE324R002



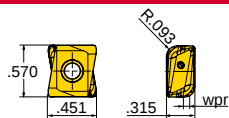
DGM324R001



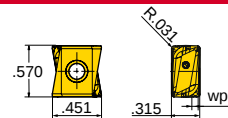
DGM324R002



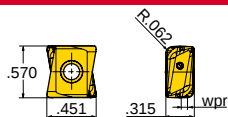
DGM324R003



DGM324R201



DGM324R202



Part Number	Applications	Grade	IN2005	IN2015	IN2030	IN2040	IN6515				
DGE324R001	SS/Hi-Temp/Ti - 0.031" R										
DGE324R002	SS/Hi-Temp/Ti - 0.062" R										
DGM324R001	Multi-Purpose - 0.031" R										
DGM324R002	Multi-Purpose - 0.062" R										
DGM324R004*	Multi-Purpose - 0.125" R										
DGM324R201	Heavy-Duty - 0.031" R										
DGM324R202	Heavy-Duty - 0.062" R										

*End Station Only

● = P ● = M ● = K ● = N ● = S

HARDWARE



Screw



Driver



Retention Bolt



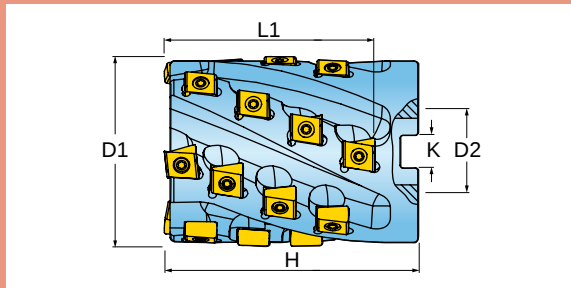
Set Screw Style Office for coolant

2SJ3J-25030D3R01	SM40-143-H0	DS-T15T	SD-08-50	CZ-0090
2SJ3J-30035D4R01	SM40-143-H0	DS-T15T	SD-10-52	CZ-0090
2SJ3J-40045D5R01	SM40-143-H0	DS-T15T	SD12-54	CZ-0090



SERIES 2SJ1H, 2SJ1L (SHELL MILL)

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL WITH 4 INDEXES

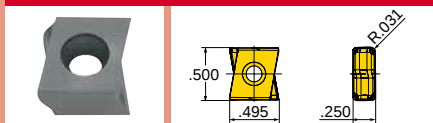


Cutter Number	D1 Nominal Diameter	L1 Max. DOC	H Height	D2 Bore Diameter	K Keyway	Number of Flutes Effective	Number Flutes Total	Total Number of Inserts	Accepts Insert Series
2SJ1H-30040D4R01	3.000	3.29	4.00	1.250	0.500	3	6	24	DPM324
2SJ1L-40047D5R01	4.000	4.03	4.75	1.500	0.625	3	6	24	DPM424
2SJ1L-40047D5R02	4.000	4.03	4.75	1.500	0.625	4	8	32	DPM424

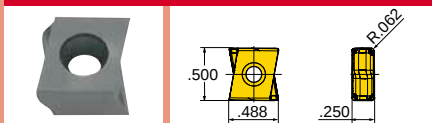
Operating instructions on [page 354, 355](#).

INSERTS

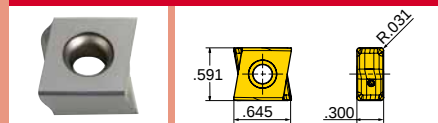
DPM324R001



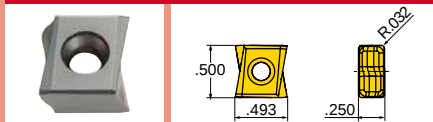
DPM324R002



DPM424R001



DTM324R001



Part Number	Applications	Grade	IN1530	IN2005	IN2015	IN2040					
DPM324R001	Multi-Purpose - 0.031" R										
DPM324R002	Multi-Purpose - 0.062" R										
DPM424R001	Multi-Purpose - 0.031" R										
DTM324R001	Heavy-Duty - 0.031" R										

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Retention Bolt

2SJ1H-30040D4R01	SM40-120-20	DS-T15T	SD-10-54
2SJ1L-40047D5R01	SM50-160-10	DS-T20T	SD-12-79
2SJ1L-40047D5R02	SM50-160-10	DS-T20T	SD-12-79

0 DEGREE LEAD FLUTED SHELL MILL WITH 4 INDEXES



Shoulder



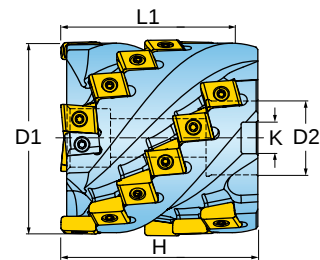
Slabbing



Channel



Facing

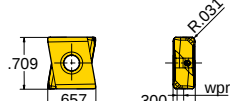


Cutter Number	D1 Nom. Dia.	Rotation	L1 Length of Cut	H Height	Adaption	D2 Bore Dia.	Keyway	Number of Effective Flutes	Number of Total Flutes	Number of Inserts
2SJ1N-40040D5L01	4.000	Left	3.49	4.00	Closed CBore	1.500	0.625	4	4	24
2SJ1N-40040D5R01	4.000	Right	3.49	4.00	Closed CBore	1.500	0.625	4	4	24

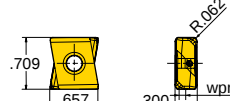
Operating instructions on [page 366](#).

INSERTS

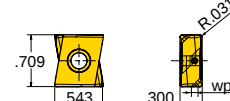
DNM434L201



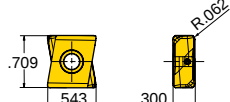
DNM434L202



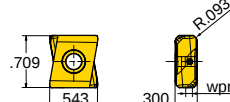
DNM434R201



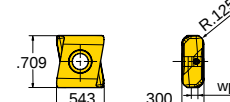
DNM434R202



DNM434R203



DNM434R204



Part Number	Applications	Grade	IN2005	IN2015	IN2030	IN2040					
DNM434L201	Heavy-Duty - 0.031" R										
DNM434L202	Heavy-Duty - 0.062" R										
DNM434R201	Heavy-Duty - 0.031" R										
DNM434R202	Heavy-Duty - 0.062" R										
DNM434R203*	Heavy-Duty - 0.093" R										
DNM434R204*	Heavy-Duty - 0.125" R										

*End Station Only

● = P ● = M ● = K ● = N ● = S

HARDWARE



Screw



Driver



Anvil



Retention Bolt

2SJ1N-40040D5R01	SM50-127-10	DS-T20T	PAR0636	SD12-54
2SJ1N-40040D5L01	SM50-127-10	DS-T20T	PAL0636	SD12-54



TETRA™ SERIES 2TJ3N

0 DEGREE LEAD EXTENDED FLUTE END MILL WITH 4 INDEXES



Shoulder



Slabbing



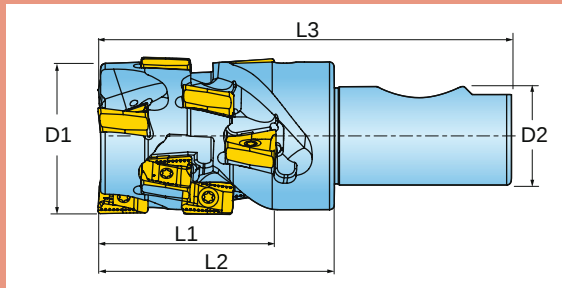
Channel



Facing



Coolant

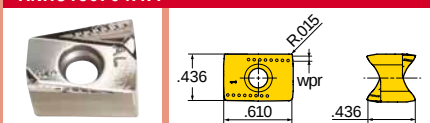


Cutter Number	D1 Effective Dia.	L1 Length of Cut	L2 Extension Length	L3 Overall Length	D2 Adaption Style	Number of Effective Flutes	Number of Total Flutes	Number of Inserts
2TJ3N-2003081R01	2.000	2.21	3.00	5.25	1.250" Weldon	3	3	21
2TJ3N-2005548R01	2.000	3.31	3.31	9.50	ICT #50 V-Flange	3	3	21

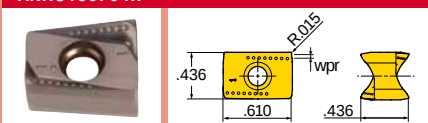
Operating instructions on [page 353](#).

INSERTS

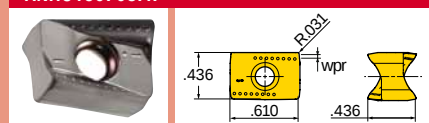
ANHU160704FR-P



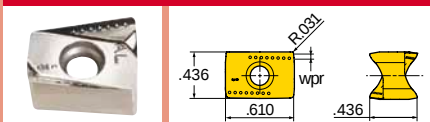
ANHU160704R



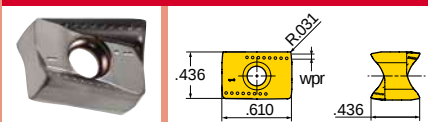
ANHU160708FR



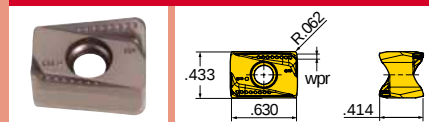
ANHU160708FR-P



ANHU160708R



ANHU160716R



Part Number	Applications	Grade	IN10K	IN2010	IN2030	IN2505	IN2540	INDD15			
ANHU160704FR-P	Grd/Pol for Al - 0.015" R		●								
ANHU160704R	Multi-Purpose - 0.015" R				●						
ANHU160708FR	Hi-Temp/Ti - 0.031" R				●						
ANHU160708FR-P	Grd/Pol for Al - 0.031" R		●								
ANHU160708R	Multi-Purpose - 0.031" R			●	●	●	●	●			
ANHU160716R	Multi-Purpose - 0.062" R			●	●	●	●				

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver

SM40-093-20

DS-T15T

TETRA™ SERIES 2TJ3N (SHELL MILL)

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL WITH 4 INDEXES



Shoulder



Slabbing



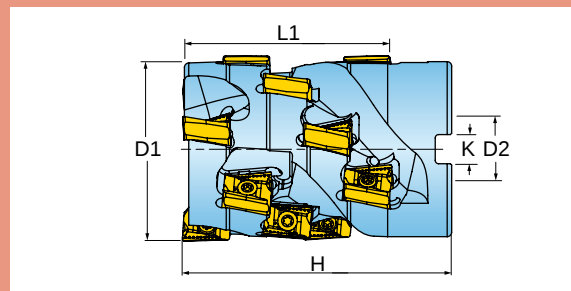
Channel



Facing



Coolant

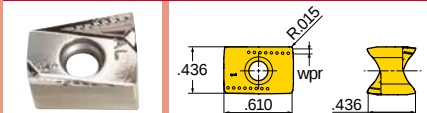


Cutter Number	D1 Nom. Dia.	L1 Length of Cut	D2 Bore Dia.	H Height	K Keyway	Number of Effective Flutes	Number of Total Flutes	Number of Inserts
2TJ3N-25036D3R01	2.500	2.74	1.000	3.60	0.375	3	3	15
2TJ3N-30040D4R01	3.000	3.28	1.250	4.00	0.500	4	4	24
2TJ3N-40040D5R01	4.000	3.28	1.500	4.00	0.625	5	5	30

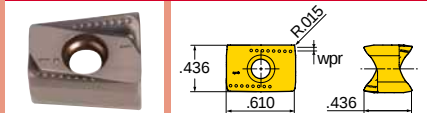
Operating instructions on [page 353](#).

INSERTS

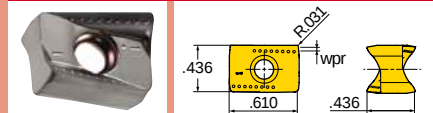
ANHU160704FR-P



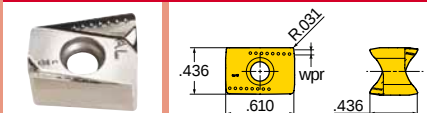
ANHU160704R



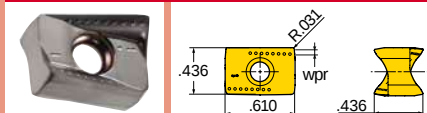
ANHU160708FR



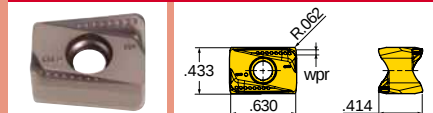
ANHU160708FR-P



ANHU160708R



ANHU160716R



Part Number	Applications	Grade	IN10K	IN2010	IN2030	IN2505	IN2540	INDD15			
ANHU160704FR-P	Grd/Pol for Al - 0.015" R		●								
ANHU160704R	Multi-Purpose - 0.015" R				●						
ANHU160708FR	Hi-Temp/Ti - 0.031" R				●						
ANHU160708FR-P	Grd/Pol for Al - 0.031" R		●								
ANHU160708R	Multi-Purpose - 0.031" R			●	●	●	●	●			
ANHU160716R	Multi-Purpose - 0.062" R			●	●	●	●				

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Retention Bolt

2TJ3N-25036D3R01	SM40-093-20	DS-T15T	SD-08-52
2TJ3N-30040D4R01	SM40-093-20	DS-T15T	SD-10-54
2TJ3N-40040D5R01	SM40-093-20	DS-T15T	SD12-54



HI-POSQUAD™ SERIES 25J3F, 25J3G

0 DEGREE LEAD EXTENDED FLUTE END MILL



Shoulder



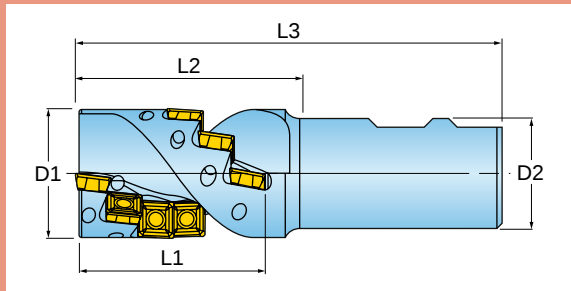
Slabbing



Channel



Facing

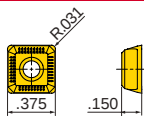


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	No. of Flutes Effective	No. of Flutes Total	No. of Inserts	Insert Series
25J3F-1202281R01	1.250	1.85	2.25	4.50	1.250" Weldon	2	2	12	SHLT09
25J3G-1502681R01	1.500	2.16	2.60	4.85	1.250" Weldon	3	3	18	SHLT11

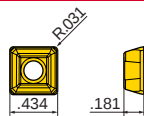
Operating instructions on [page 351](#).

INSERTS

SHLT090308N-HR



SHLT110408TN-HR



Part Number	Applications	Grade	IN1030	IN2005	IN30M	IN40P	IN6530				
SHLT090308N-HR	Multi-Purpose - 0.031" R										
SHLT110408TN-HR	Multi-Purpose - 0.031" R										

● = P ● = M ● = K ● = N ○ = S

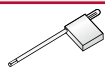
HARDWARE



Screw



Driver



Driver

25J3F-1202281R01	SM30-065-00	-	DS-T09W
25J3G-1502681R01	SM40-093-20	DS-T15T	-

HIPOPOSQUAD™ SERIES 25J3G, 25J3J (SHELL MILL)

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL



Shoulder



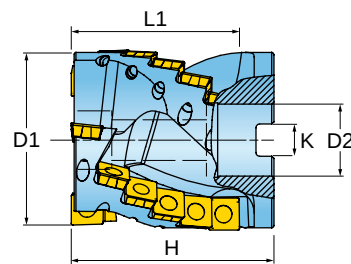
Slabbing



Channel



Facing

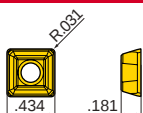


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	H Height	D2 Bore Dia.	Keyway Width	Number of Flutes Effective	Number of Flutes Total	Number of Inserts	Insert Series
25J3G-20020D1R01	2.000	1.10	2.00	0.750	0.312	3	3	9	SHLT11
25J3G-20022D1R01	2.000	1.81	2.25	0.750	0.312	3	3	15	SHLT11
25J3J-25035D3R01	2.500	2.91	3.50	1.000	0.375	3	3	18	SHLT14
25J3J-30040D4R01	3.000	3.39	4.00	1.250	0.500	3	3	21	SHLT14
25J3J-40050D5R01	4.000	4.35	5.00	1.500	0.625	4	4	36	SHLT14

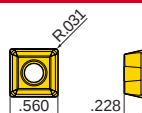
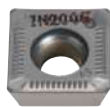
Operating instructions on [page 351](#).

INSERTS

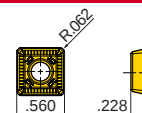
SHLT110408TN-HR



SHLT140508TN-HR



SHLT140516TN-HR



Part Number	Applications	Grade	IN1030	IN1530	IN2005	IN30M	IN40P	IN6530			
SHLT110408TN-HR	Multi-Purpose - 0.031" R		●		●	●	●	●			
SHLT140508TN-HR	Multi-Purpose - 0.031" R		●		●	●	●	●			
SHLT140516TN-HR	Multi-Purpose - 0.062" R			●	●						

● = P ● = M ● = K ● = N ○ = S

HARDWARE



Screw



Driver



Retention Bolt

25J3G-20020D1R01	SM40-093-20	DS-T15T	SD-06-48
25J3G-20022D1R01	SM40-093-20	DS-T15T	SD-06-49
25J3J-25035D3R01	SM50-127-10	DS-T20T	SD-08-52
25J3J-30040D4R01	SM50-127-10	DS-T20T	SD-10-54
25J3J-40050D5R01	SM50-127-10	DS-T20T	SD-12-79



SERIES 25J3J (END CAP STYLE)

0° REPLACEABLE END CAP END MILL ASSEMBLY



Shoulder



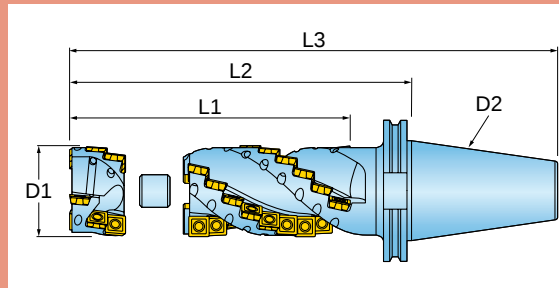
Slabbing



Channel



Facing



D1 Nominal Dia.	Cutter Assembly	L1 Max. Depth of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	No. of Flutes Effective	No. of Flutes Total
2.500	25J3J-2506048A01	4.38	6.00	10.00	50 V-Flange	3	3
2.500	25J3J-2507548A01	5.82	7.50	11.50	50 V-Flange	3	3

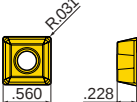
Operating instructions on [page 351](#).

ASSEMBLY COMPONENTS

Cutter Assembly	Body	End Cap	Centering Bushing	Retention Bolt
25J3J-2506048A01	25J3J-25HL448R01	25J3J-25EC172R01	PZ-0500	SD-07-06
25J3J-2507548A01	25J3J-25HL648R01	25J3J-25EC172R01	PZ-0500	SD-07-06

INSERTS

SHLT140508TN-HR

Assembly Type	Part Number	Insert Qty.	Insert Number	Application	Corner	GRADE	IN30M	IN40P	IN6530	IN2005	IN1030		
Cutter Body	25J3J-25HL448R01	18	SHLT140508TN-HR	Multi-Purpose	.031R								
Cutter Body	25J3J-25HL648R01	27	SHLT140508TN-HR	Multi-Purpose	.031R								
End Cap	25J3J-25EC172R01	9	SHLT140508TN-HR	Multi-Purpose	.031R								

 = P
  = M
  = K
  = N
  = S

HARDWARE				
	Screw	Driver	Retention Bolt	
	SM50-127-10	DS-T20T	SD-07-06	

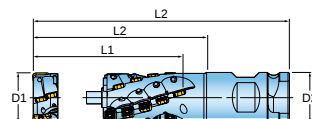


SERIES 23J2G (END CAP STYLE)

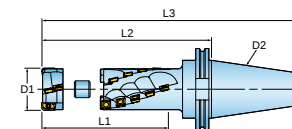
0° LEAD REPLACEABLE END CAP END MILL ASSEMBLY



Drawing A-
Rear Mounted Style



Drawing B-
Face Mounted Style



D1 Nominal Diameter	Cutter Assembly	End Cap Mounting Type	L1 Max. Depth of Cut	L2 Extension	L3 Overall Length	D2 Shank Size/Style	No. of Flutes Eff. Side	No. of Flutes Eff. End	Total Flutes
2.000	23J2G-2005052A02	Rear	4.50	5.00	8.25	2.000 Wel/Put	2	2	4
2.000	23J2G-2006148A02	Face	4.00	6.13	10.13	50 V-Flange	2	2	4

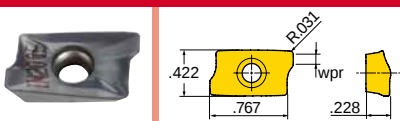
Operating instructions on [page 351](#).

ASSEMBLY COMPONENTS

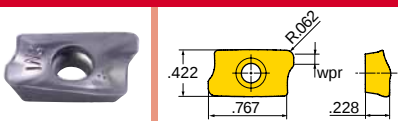
Cutter Assembly	Body	End Cap	Centering Bushing	Retention Bolt	Drawing Type
23J2G-2005052A02	23J2G-20HL452R01	23J2G-20EC172R02	PZ-0499	SD08LA2	A
23J2G-2006148A02	23J2G-20HL548R01	23J2G-20EC168R02	PZ-0499	SD08-21	B

INSERTS

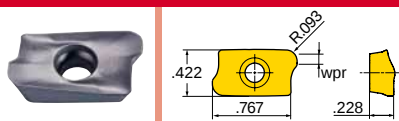
AOMT180508R



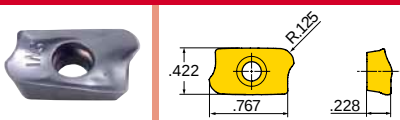
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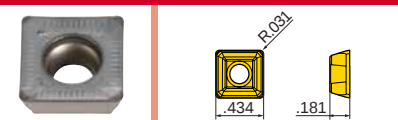
AOMT180524R



AOMT180532R



SHLT110408TN-HR



Qty	Part Number	Applications	Grade	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M				
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End Cap End Inserts

2	AOMT180504R-HS	Hi-Temp/Ti - 0.015" R											
2	AOMT180508R	Multi-Purpose - 0.031" R											
2	AOMT180508R-HS	Hi-Temp/Ti - 0.031" R											
2	AOMT180516R	Multi-Purpose - 0.062" R											
2	AOMT180516R-HS	Hi-Temp/Ti - 0.062" R											
2	AOMT180524R	Multi-Purpose - 0.093" R											
2	AOMT180532R	Multi-Purpose - 0.125" R											

Qty	Part Number	Applications	Grade	IN1030	IN2005	IN30M	IN40P	IN6530					
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End Cap Side Inserts

4	SHLT110408TN-HR	Multi-Purpose - 0.031" R											
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Body Inserts

18	SHLT110408TN-HR	Multi-Purpose - 0.031" R											
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● = P ● = M ● = K ● = N ● = S

HARDWARE



Screw



Driver

23J2G-2005052A02	SM40-120-20	DS-T15T (Tx-15)
23J2G-2006148A02	SM40-120-20	DS-T15T (Tx-15)



HI-POSQUAD™ SERIES 23J6G

0 DEGREE LEAD HEAVY-DUTY FLUTED END MILL



Shoulder



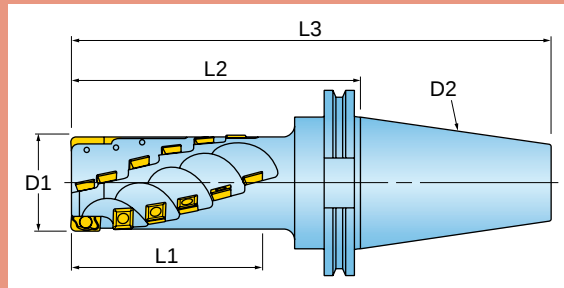
Slabbing



Channel



Facing

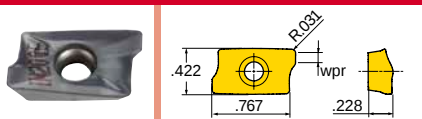


Cutter Number	D1 Nom. Dia.	L1 Max. Depth of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	No. of Flutes Effective	No. of Flutes total	No. of Inserts End	No. of Inserts Side
23J6G-1502881R00	1.500	2.35	2.87	5.12	1.250" Weldon	2	4	2	12
23J6G-2003081R00	2.000	2.67	3.00	5.25	1.250" Weldon w/Flange	2	4	2	14
23J6G-2005052R00	2.000	4.39	5.00	8.25	2.000 Weldon Putnam	2	4	2	24
23J6G-2006148R00	2.000	4.04	6.12	10.12	ICT #50 V-Flange	2	4	2	22
23J6G-2006145R00	2.000	4.04	6.12	11.12	#50 NMTB	2	4	2	22
23J6G-2008048R00	2.000	6.10	8.00	12.00	ICT #50 V-Flange	2	4	2	34

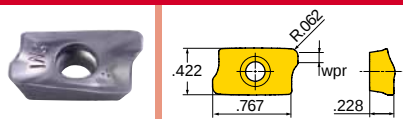
Operating instructions on [page 351](#).

INSERTS

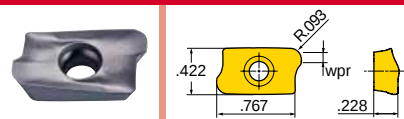
AOMT180508R



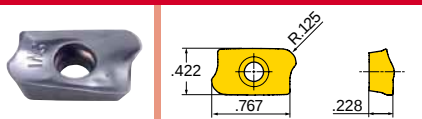
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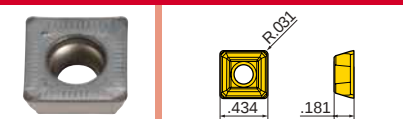
AOMT180524R



AOMT180532R



SHLT110408TN-HR



Part Number	Applications	Grade	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M	IN40P	IN6530	
AOMT180508R	Multi-Purpose - 0.031" R										
AOMT180516R	Multi-Purpose - 0.062" R										
AOMT180524R	Multi-Purpose - 0.093" R										
AOMT180532R	Multi-Purpose - 0.125" R										
SHLT110408TN-HR	Multi-Purpose - 0.031" R										

= P
 = M
 = K
 = N
 = S

HARDWARE



Screw



Driver

SM40-093-20

DS-T15T



0 DEGREE LEAD EXTENDED FLUTE END MILL



Shoulder



Slabbing



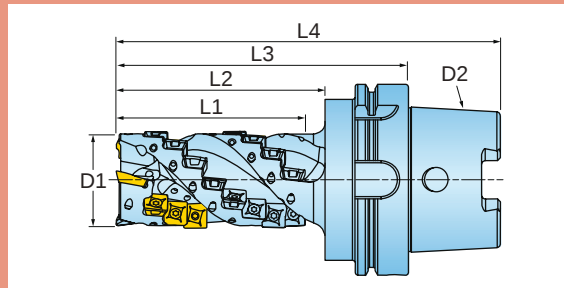
Channel



Facing



Coolant

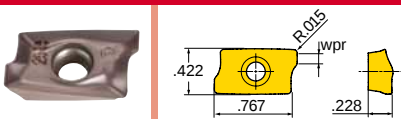


Cutter Number	D1 Effective Diameter	L1 Length of Cut	L2 Projection Length	L3 Extension Length	L4 Overall Length	D2 Shank Size/Style	Number Effective Flutes	Number Inserts End	Number Inserts Side
25J3H-2002781R01	2.000	2.33	-	2.75	5.00	1.250" Weldon w/Flange	3	3	12
25J3H-2004224R01	2.000	3.59	-	4.25	5.62	SK40	3	3	21
25J3H-2006048R01	2.000	4.01	4.63	6.00	10.00	ICT #50 V-Flange	3	3	24
25J3H-20060B5R01	2.000	4.01	5.50	6.00	10.01	#50 BT-Flange	3	3	24
25J3H-20062H1R01	2.000	4.01	4.72	6.00	8.21	HSK-100-A	3	3	24
25J3H-30062H1R01	3.000	4.01	4.72	6.00	8.21	HSK-100-A	4	4	32

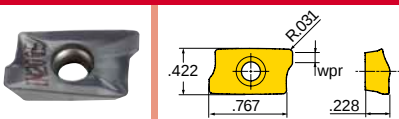
Operating instructions on [page 351](#).

INSERTS

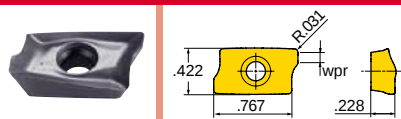
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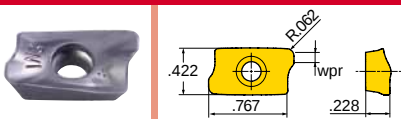
AOMT180508R



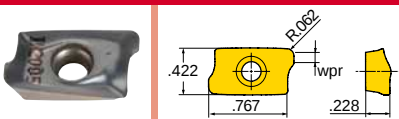
AOMT180508R-HS



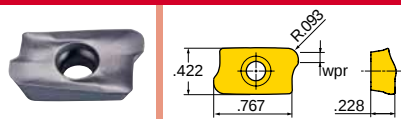
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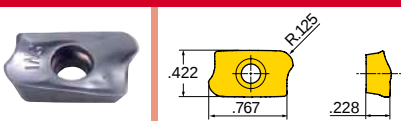
AOMT180516R-HS



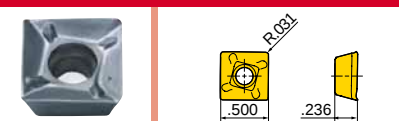
AOMT180524R



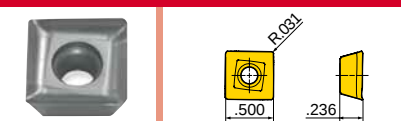
AOMT180532R



SDMT120608R



SDMT120608R-HS



Part Number	Applications	Grade	IN1030	IN2005	IN2015	IN2030	IN2040	IN30M	IN5015		
AOMT180504R-HS	Hi-Temp/Ti - 0.015" R										
AOMT180508R	Multi-Purpose - 0.031" R										
AOMT180508R-HS	Hi-Temp/Ti - 0.031" R										
AOMT180516R	Multi-Purpose - 0.062" R										
AOMT180516R-HS	Hi-Temp/Ti - 0.062" R										
AOMT180524R	Multi-Purpose - 0.093" R										
AOMT180532R	Multi-Purpose - 0.125" R										
SDMT120608R	Multi-Purpose - 0.031" R										
SDMT120608R-HS	Hi-Temp/Ti - 0.031" R										

● = P ● = M ● = K ● = N ● = S

HARDWARE



Screw



Driver

SM40-120-20

DS-T15T



HI-POSQUAD™ SERIES 25J3H (SHELL MILL)

0 DEGREE LEAD EXTENDED FLUTE SHELL MILL



Shoulder



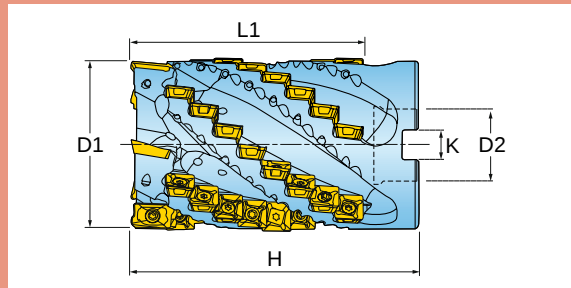
Slabbing



Channel



Facing



Cutter Number	D1 Nom. Dia.	L1 Length of Cut	H Height	D2 Bore Dia.	Keyway Width	No. of Flutes Effective	No. of Flutes Total	Total Inserts
25J3H-25040D3R01	2.500	3.17	4.00	1.000	0.375	4	4	24
25J3H-30050D4R01	3.000	4.01	5.00	1.250	0.500	4	4	32
25J3H-30050D4R11	3.000	4.01	5.00	1.250	0.500	5	5	40
25J3H-40047D5R01	4.000	4.01	4.75	1.500	0.625	5	5	40

Operating instructions on [page 351](#).