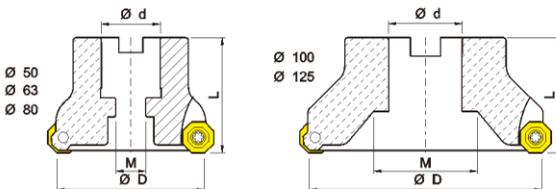


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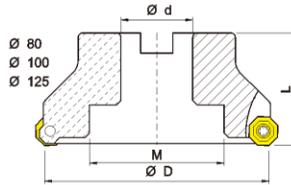
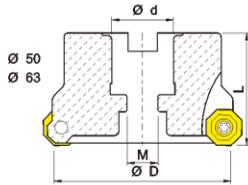
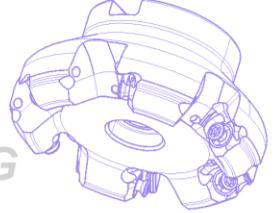




Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
MOF0545R-05004-22.0	50	22.0	40	11	4	OFMT050405ER-SH	BFTX4010	TRX15
MOF0545R-06305-22.0	63	22.0	40	11	5			
MOF0545R-06305-25.4		25.4	50	13	5			
MOF0545R-08006-25.4	80	25.4	50	13	6			
MOF0545R-08006-27.0		27.0	50	13	6			
MOF0545R-10007-31.75	100	31.75	50	45	7			
MOF0545R-10007-32.0		32.0	50	45	7			
MOF0545R-12508-38.1	125	38.1	63	55	8			
MOF0545R-12508-40.0		40.0	63	55	8			

Description	Insert Shape 	Dimensions,mm		
		A	S	r
OFMT050405ER-SH		13.47	4.76	0.5

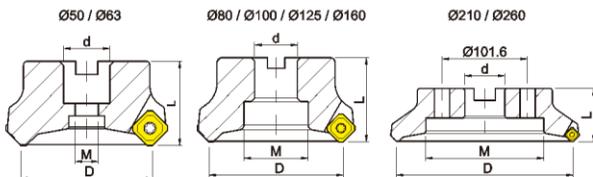
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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
TFM435R-05005-22.0	50	22.0	40	11	5	OFMT05T3 TN-ML	BFTX4010	TRX15
TFM435R-06306-22.0	63	22.0	40	11	6			
TFM435R-06306-25.4	63	25.4	50	13	6			
TFM435R-08007-25.4	80	25.4	50	13	7			
TFM435R-08007-27.0	80	27.0	50	38	7			
TFM435R-10008-31.75	100	31.75	50	46	8			
TFM435R-10008-32.0	100	32.0	50	46	8			
TFM435R-12509-38.1	125	38.1	63	60	9			
TFM435R-12509-40.0	125	40.0	63	60	9			
TFM435R-16011-50.8	160	50.8	63	80	11			

Description	Insert Shape	Dimensions,mm		
		A	S	r
OFMT05T3 TN-ML		12.7	3.8	0.6

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Item code		Dimensions,mm				Teeth	Insert
Right hand	Left hand	D	d	L	M		
ASX445-050A03R-22.0	ASX445-050A03L-22.0	50	22.0	40	11	3	SE..13T3.. WE..13T3..  疏 齒
-063A04R-22.0	-063A04L-22.0	63	22.0	40	11	4	
R05003C-25.4	L05003C-25.4	50	25.4	50	13	3	
R06304C-25.4	L06304C-25.4	63	25.4	50	13	4	
R08004C-25.4	L08004C-25.4	80	25.4	50	38	4	
Ø80B04R-27.0	Ø80B04L-27.0	80	27.0	50	38	4	
R10005D-31.75	L10005D-31.75	100	31.75	50	45	5	
100B05R-32.0	100B05L-32.0	100	32.0	50	45	5	
R12506E-38.1	L12506E-38.1	125	38.1	63	60	6	
125B06R-40.0	125B06L-40.0	125	40.0	63	60	6	
160B07R-40.0	160B07L-40.0	160	40.0	63	80	7	
R16007F-50.8	L16007F-50.8	160	50.8	63	80	7	
R21008K-47.625	L21008K-47.625	210	47.625	63	140	8	
R26010K-47.625	L26010K-47.625	260	47.625	63	180	10	
ASX445-050A04R-22.0	ASX445-050A04L-22.0	50	22.0	40	11	4	SE..13T3.. WE..13T3..  密 齒
-063A05R-22.0	-063A05L-22.0	63	22.0	40	11	5	
R05004C-25.4	L05004C-25.4	50	25.4	50	13	4	
R06305C-25.4	L06305C-25.4	63	25.4	50	13	5	
R08006C-25.4	L08006C-25.4	80	25.4	50	38	6	
Ø80B06R-27.0	Ø80B06L-27.0	80	27.0	50	38	6	
R10007D-31.75	L10007D-31.75	100	31.75	50	45	7	
100B07R-32.0	100B07L-32.0	100	32.0	50	45	7	
R12508E-38.1	L12508E-38.1	125	38.1	63	60	8	
125B08R-40.0	125B08L-40.0	125	40.0	63	60	8	
160B10R-40.0	160B10L-40.0	160	40.0	63	80	10	
R16010F-50.8	L16010F-50.8	160	50.8	63	80	10	
R21012K-47.625	L21012K-47.625	210	47.625	63	140	12	
R26014K-47.625	L26014K-47.625	260	47.625	63	180	14	
ASX445-050A05R-22.0	ASX445-050A05L-22.0	50	22.0	40	11	5	SE..13T3.. WE..13T3..  超 密 齒
-063A06R-22.0	-063A06L-22.0	63	22.0	40	11	6	
R05005C-25.4	L05005C-25.4	50	25.4	50	13	5	
R06306C-25.4	L06306C-25.4	63	25.4	50	13	6	
R08008C-25.4	L08008C-25.4	80	25.4	50	38	8	
Ø80B08R-27.0	Ø80B08L-27.0	80	27.0	50	38	8	
R10010D-31.75	L10010D-31.75	100	31.75	50	45	10	
100B10R-32.0	100B10L-32.0	100	32.0	50	45	10	
R12512E-38.1	L12512E-38.1	125	38.1	63	60	12	
125B12R-40.0	125B12L-40.0	125	40.0	63	60	12	
160B16R-40.0	160B16L-40.0	160	40.0	63	80	16	
R16016F-50.8	L16016F-50.8	160	50.8	63	80	16	

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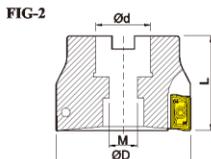
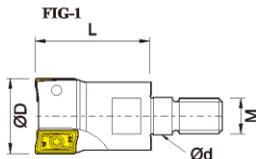
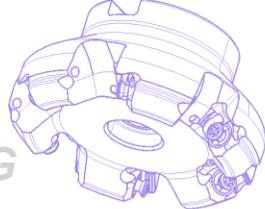
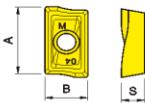


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
APM162-MD14	16	8.5	26	M8	2	AOMT-1236..	BFTX2506	TRX08
APM172-MD14	17							
APM202-MD18	20	10.5	30	M10	2			
APM203-MD18	20				3			
APM212-MD18	21				2			
APM253-MD23	25	12.5	35	M12	3			
APM254-MD23					4			
APM263-MD23	26				3			
APM264-MD23					4			
APM323-MD29	32	17	43	M16	3			
APM324-MD29					4			
APM333-MD29	33				3			
APM334-MD29					4			
APM353-MD29	35	17	43	M16	3			
APM354-MD29					4			

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
APM 05004-22.0	50	22.0	40	11	4	AOMT-1236..	BFTX2506	TRX08
APM 05007-22.0					7			
APM 05007-25.4	50	25.4	50	13	7			
APM 06308-25.4	63				8			
APM 08009-25.4	80				9			

Description	Insert Shape 	Dimensions,mm			
		A	B	S	r
AOMT123604PEER-GM		12	6.6	3.8	0.4
AOMT123604PEER-M					0.4
AOMT123608PEER-M					0.8
AOMT123604PEER-H					0.8

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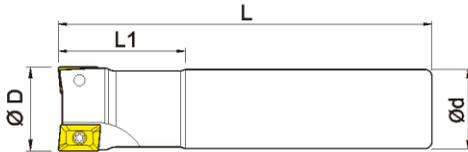
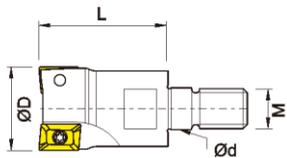
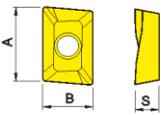

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
WEM10-152-S16-100	15	16	100	25	2	APMT1035..	BFTX2506	TRX08
WEM10-222-S20-150	22	20	150	25	2			

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
WEM10-162-MD14	16	8.5	25	M8	2	APMT1035..	BFTX2506	TRX08
WEM10-172-MD14	17		30	M10	3			
WEM10-203-MD18	20							
WEM10-213-MD18	21							
WEM10-253-MD23	25	12.5	35	M12	3	APMT1035..	BFTX2506	TRX08
WEM10-263-MD23	26							

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Description	Insert Shape 	Dimensions,mm			
		A	B	S	r
APMT103504PDER-H		10	6.6	3.5	0.4

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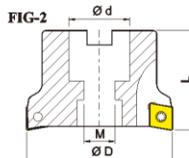
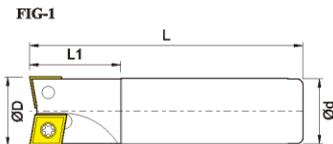
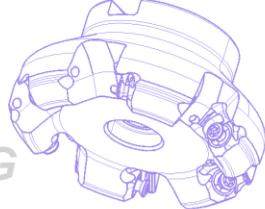
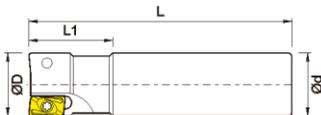


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
HCP09-161-S16-150	16	16	150	30	1	CPMT090308	BFTX4008	TRX15
HCP09-161-S16-200			200					
HCP09-171-S16-150	17	16	150	20	1			
HCP09-171-S16-200			200					
HCP09-212-S20-150	21	20	150	25	2			
HCP09-212-S20-200			200					
HCP09-252-S25-150	25	25	150	40	2			
HCP09-252-S25-200			200					
HCP09-262-S25-150	26	25	150	30	2			
HCP09-262-S25-200			200					
HCP09-262-S25-250			250					
HCP09-332-S32-150	33	32	150	40	2			
HCP09-332-S32-200			200					
HCP09-332-S32-250			250					
HCP09-332-S32-300			300					
HCP09-333-S32-150	33	32	150	40	3			
HCP09-333-S32-200			200					
HCP09-333-S32-250			250					
HCP09-333-S32-300			300					
HCP12-332-S32-150	33	32	150	40	2	CPMT120408	BFTX5010	TRX20
HCP12-332-S32-200			200					
HCP12-332-S32-250			250					
HCP12-332-S32-300			300					

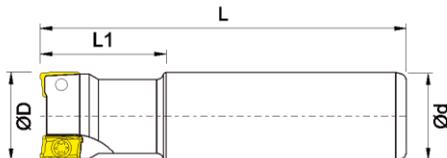
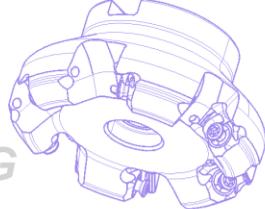
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
HCP09-504-22.0	50	22.0	50	11	4	CPMT090308	MS4011A	ETF15
HCP09-504-25.4	50	25.4	50	13				
HCP09-634-25.4	63	25.4	50	13				
HCP12-504-22.0	50	22.0	50	11	4	CPMT120408	MS5011A	ETF20
HCP12-504-25.4	50	25.4	50	13				
HCP12-634-25.4	63	25.4	50	13				
HCP12-664-25.4	66	25.4	50	13				
HCP12-805-25.4	80	25.4	50	13	5			

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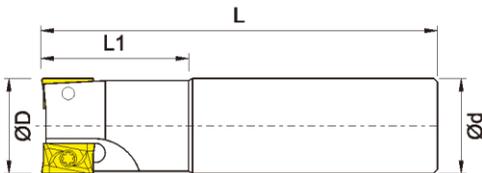
Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
BAP3-14.22-S16-100	14.2	16	100	20	2	APMT1135...	BFTX2506	TRX08
BAP3-15.5-S16-100	15.5	16	100	25	2			
BAP3-162-S16-100	16	16	100	28	2			
BAP3-162-S16-150			150					
BAP3-162-S16-200			200					
BAP3-172-S16-150	17	16	150	20	2			
BAP3-172-S16-200			200					
BAP3-182-S20-100	18	20	100	28	2			
BAP3-182-S20-150			150					
BAP3-202-S20-100	20	20	100	28	2			
BAP3-202-S20-150			150					
BAP3-202-S20-200			200					
BAP3-203-S20-150	20	20	150	25	3			
BAP3-203-S20-200			200					
BAP3-212-S20-150	21	20	150	25	2			
BAP3-212-S20-200			200					
BAP3-213-S20-150			150		3			
BAP3-213-S20-200			200					
BAP3-21.3-S20-150	21.3	20	150	25	3			
BAP3-222-S20-150	22	20	150	25	2			
BAP3-243-S25-125	24	25	125	35	3			
BAP3-253-S25-125	25	25	125	35	3			
BAP3-253-S25-150			150					
BAP3-253-S25-200			200					
BAP3-254-S25-125	25	25	125	35	4			
BAP3-254-S25-150			150					
BAP3-254-S25-200			200					
BAP3-263-S25-150	26		150	3				
BAP3-263-S25-200			200					
BAP3-264-S25-150			150	4				
BAP3-264-S25-200			200					
BAP3-323-S32-150	32	32	150	35	3			
BAP3-324-S32-150			150		4			
BAP3-324-S32-200			200					
BAP4-252-S25-125	25	25	125	40	2			
BAP4-252-S25-150			150					
BAP4-252-S25-200			200					
BAP4-262-S25-150	26	25	150	30	2			
BAP4-292-S32-150	29	32	150	40	2			
BAP4-322-S32-150	32	32	150	45	2			
BAP4-322-S32-200			200					
BAP4-323-S32-150			150	3				
BAP4-323-S32-200			200					
BAP4-332-S32-150	33	32	150	35	2			
BAP4-332-S32-200			200					
BAP4-332-S32-250			250					
BAP4-333-S32-150			150	3				
BAP4-333-S32-200			200					
BAP4-333-S32-250			250					
BAP4-353-S32-150	35		150					
BAP4-353-S32-200			200					
BAP4-353-S32-250			250					

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Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
WEX12-101-S16-100	10	16	100	15	1	AXMT1235...	BFTX3006	TRX10
WEX12-111-S16-100	11							
WEX12-121-S16-100	12							
WEX12-162-S16-100	16	16	100	25	2			
WEX12-162-S16-150			150					
WEX12-162-S16-200			200					
WEX12-172-S16-100	17	16	200					
WEX12-172-S16-150			150					
WEX12-172-S16-200			200					
WEX12-202-S20-150	20	20	150	30	2			
WEX12-202-S20-200			200					
WEX12-203-S20-150	20	20	150	30	3			
WEX12-203-S20-200			200					
WEX12-213-S20-150	21	20	150					
WEX12-213-S20-200			200					
WEX12-223-S20-150	22	20	150	30	3			
WEX12-223-S20-200			200					
WEX12-254-S25-150	25	25	150	35	4			
WEX12-254-S25-200			200					
WEX12-263-S25-150			26			25	150	
WEX12-263-S25-200	200							
WEX12-263-S25-250	250							
WEX12-264-S25-150	26	25	150		4			
WEX12-264-S25-200			200					
WEX12-325-S32-150	32	32	150	40	5			
WEX12-325-S32-200			200					
WEX12-335-S32-150	33	32	150					
WEX17-262-S25-150	28	25	150	30	2	AXMT1705...	BFTX4008	TRX15
WEX17-262-S25-200			200					
WEX17-262-S25-250			250					
WEX17-333-S32-150	33	32	150	40	3			
WEX17-333-S32-200			200					
WEX17-333-S32-250			250					

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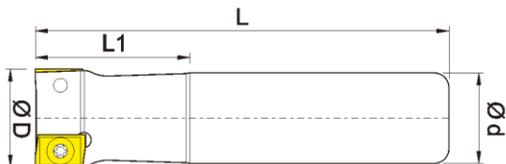
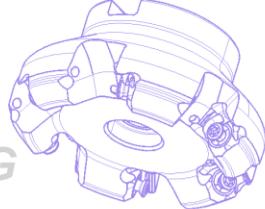


Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
MEA3-121-S12-120	12	12	120	25	1	NDKW090304ER	BFTX2506	TRX08
MEA3-141-S16-100	14	16	100	28	1			
MEA3-141-S16-150	14	16	150					
MEA3-15.75-S16-100	15.75	16	100	30	2			
MEA3-162-S16-150	16	16	150					
MEA3-162-S16-200	16	16	200					
MEA3-172-S16-150	17	16	150	20	2			
MEA3-172-S16-200	17	16	200					
MEA3-182-S20-150	18	20	150	30	2			
MEA3-182-S20-200	18	20	200					
MEA3-202-S20-150	20	20	150					
MEA3-202-S20-200	20	20	200					
MEA3-203-S20-150	20	20	150	30	3			
MEA3-203-S20-200	20	20	200					
MEA3-212-S20-150	21	20	150	25	2			
MEA3-212-S20-200	21	20	200					
MEA3-213-S20-150	21	20	150		3			
MEA3-213-S20-200	21	20	200					
MEA3-253-S25-150	25	25	150	35	3			
MEA3-253-S25-200	25	25	200					
MEA3-263-S25-150	26	25	150					
MEA3-263-S25-200	26	25	200					

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Description	Insert Shape 	Dimensions,mm			
		A	B	S	r
NDKT090304ER		9.5	6.35	3.18	0.4

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
MEC07-102-S10-120	10	10	120	20	2	BDMT0703..	BFTX2004	TRX06
MEC07-112-S10-120	11	12		13				
MEC07-122-S12-120	12			20				
MEC07-132-S12-120	13			20				
MEC11-162-S16-150	16	16	150	28	2	BDMT11T3..	BFTX2506	TRX08
MEC11-162-S16-200			200					
MEC11-172-S16-150			150					
MEC11-172-S16-200	20	20	200	30	3			
MEC11-203-S20-150			150					
MEC11-203-S20-200	25	25	200	150	35			
MEC11-253-S25-150			150					
MEC11-253-S25-200			200					
MEC11-324-S32-150	32	32	150	150	35	4		
MEC11-324-S32-200			200					
MEC11-325-S32-150	32	32	150	150	35	5		
MEC11-325-S32-200			200					

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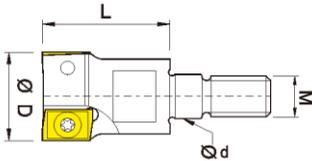
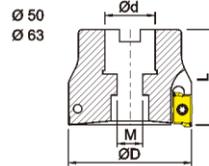
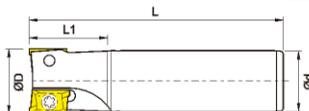
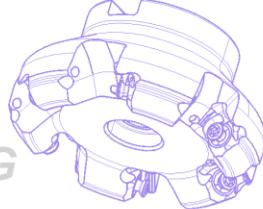

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
MEC07-102-MD10	10	5.5	16	M5	2	BDMT0703..	BFTX2004	TRX06
MEC07-112-MD10	11	5.5	16	M5				
MEC07-122-MD11	12	6.5	18	M6				
MEC07-132-MD11	13	6.5	18	M6				
MEC11-162-MD14	16	8.5	25	M8	2	BDMT11T3..	BFTX2506	TRX08
MEC11-172-MD14	17	8.5	25	M8				
MEC11-203-MD18	20	10.5	30	M10				
MEC11-253-MD23	25	12.5	35	M12				
MEC11-324-MD29	32	17	43	M16				
MEC11-325-MD29	32	17	43	M16				
				5				

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
MEC11-406-16.0	40	16.0	40	9	6	BDMT11T3..	BFTX2506	TRX08
MEC11-507-22.0	50	22.0	40	11				
MEC11-507-25.4	50	25.4	50	13				
MEC11-638-25.4	63	25.4	50	13				
MEC11-638-27.0	63	27.0	50	13				

Description	Insert Shape	Dimensions,mm			
		A	B	S	r
BDMT070302ERJT		6.7	4.7	2.6	0.2
BDMT070304ERJS					0.4
BDMT11T304ERJT		11	6.7	3.8	0.4
BDMT11T308ERJT					0.8

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
TE90A06-081-S10-100	8	10	100	12	1	AXMT0602..	BFTX1804	TRX06
TE90A06-102-S10-120	10	10	120	16	2			
TE90A06-112-S10-120	11	10	120	12	2			
TE90A06-122-S12-130	12	12	130	16	2			
TE90A06-123-S12-130			130		3			
TE90A06-132-S12-130	13	12	130	16	2			
TE90A06-132-S12-150			150					
TE90A06-132-S12-130			130		3			
TE90A06-163-S16-150	16	16	150	25	3			
TE90A06-164-S16-150					4			
TE90A06-173-S16-150	17	16	150	20	3			
TE90A09-121-S12-150	12	12	150	20	1	APKT09T3..	BFTX2506	TRX08
TE90A09-141-S16-150	14	16	150	24	1			
TE90A09-162-S16-150	16	16	150	24	2			
TE90A09-172-S16-150	17	16	150	20	2			
TE90A09-172-S16-200			200					
TE90A09-202-S20-150	20	20	150	30	2			
TE90A09-202-S20-200			200					
TE90A09-203-S20-150			150		3			
TE90A09-203-S20-200			200					
TE90A09-213-S20-150	21	20	150	20	3			
TE90A09-213-S20-200			200					
TE90A09-253-S25-150	25	25	150	35	3	APKT1705..	BFTX4008	TRX15
TE90A09-263-S25-200			200					
TE90A09-263-S25-150	26	25	150	25	3			
TE90A09-263-S25-200			200					
TE90A09-333-S32-150	33	32	150	32	3			
TE90A09-333-S32-200			200					
TE90A09-353-S32-150	35	32	150	32	3			
TE90A09-353-S32-200			200					
TE90A09-354-S32-150			150		4			
TE90A09-354-S32-200			200					
TE90A17-252-S25-150	25	25	150	35	2	APKT1705..	BFTX4008	TRX15
TE90A17-252-S25-200			200					
TE90A17-323-S32-150	32	32	150	40	3			
TE90A17-323-S32-200			200					
TE90A17-323-S32-250			250					

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Description	Insert Shape	Dimensions,mm			
		A	B	S	r
AXMT0602PER-EML		6.1	4.1	2.6	-
APKT09T3PER-EML		9.5	6.2	3.6	-
APKT1705PER-EML		17	10.7	5.56	-

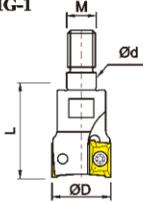
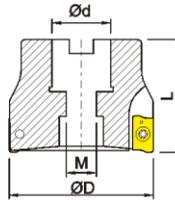

**FIG-1**

**FIG-2**  
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FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 			
	D	d	L	M							
TE90A06-091-MD08	9	4.5	15	M4	1	AXMT0602..	BFTX2004	TRX06			
TE90A06-102-MD10	10	5.5	16	M5	2						
TE90A06-112-MD10	11				2						
TE90A06-122-MD11	12	6.5	18	M6	2						
TE90A06-123-MD11					3						
TE90A06-132-MD11	13	6.5	20	M6	2						
TE90A06-133-MD11					3						
TE90A06-163-MD14	16	8.5	20	M8	3						
TE90A06-164-MD14					4						
TE90A06-173-MD14	17	8.5	20	M8	3						
TE90A06-174-MD14					4						
TE90A09-162-MD14	16	8.5	23	M8	2				APKT09T3..	BFTX2506	TRX08
TE90A09-172-MD14	17		25		2						
TE90A09-202-MD18	20	10.5	30	M10	2						
TE90A09-203-MD18					3						
TE90A09-212-MD18	21	10.5	30	M10	2						
TE90A09-213-MD18					3						
TE90A09-222-MD18	22	10.5	30	M10	2						
TE90A09-223-MD18					3						
TE90A09-253-MD23	25	12.5	35	M12	3						
TE90A09-263-MD23	26				3						
TE90A09-333-MD29	33	17	43	M16	3	APKT1705..	BFTX4008 BFTX4010	TRX15			
TE90A09-353-MD29	35				3						
TE90A09-354-MD29	35	17	43	M16	4						
TE90A17-262-MD23	26	12.5	35	M12	2						
TE90A17-353-MD29	35	17	43	M16	3						

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FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
TE90A09-5005-22.0	50	22.0	50	11	5	APKT09T3..	MS2506B	ETF08
TE90A09-5006-22.0					6			
TE90A09-5006-25.4	50	25.4	50	13	6			
TE90A09-6306-25.4					63			
TE90A09-6307-25.4	63	25.4	50	13	7			
TE90A09-8008-25.4					80			

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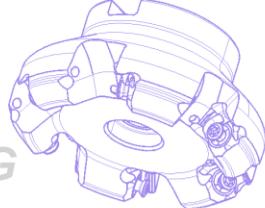


FIG-1

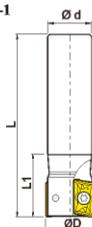


FIG-2

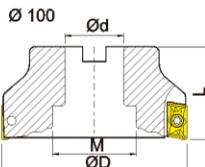
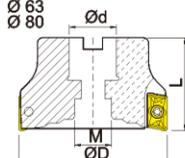
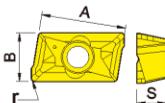
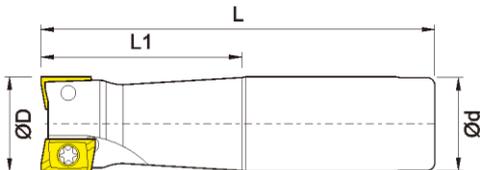


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
TPS17-252-S25-100	25	25	100	35	2	ASMT1705....	BFTX4008	TRX15
TPS17-252-S25-150			150					
TPS17-252-S25-200			200					
TPS17-252-S25-250			250					
TPS17-323-S32-150	32	32	150	40	3	ASMT1705....	BFTX4008	TRX15
TPS17-323-S32-200			200					
TPS17-323-S32-250			250					

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
TPS17-R06305-25.4	63	25.4	50	13	5	ASMT1705....	BFTX4010	TRX15
TPS17-R08006-25.4	80	25.4	50	13	6			
TPS17-R10007-31.75	100	31.75	50	45	7			

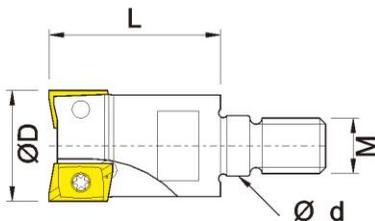
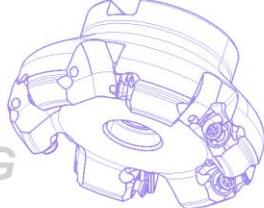
Description	Insert Shape 	Dimensions,mm			
		A	B	S	r
ASMT170504-MJ		16.9	9.8	5.6	0.4
ASMT170508-MJ		0.8			
ASMT170512-MJ		1.2			
ASMT170516-MJ		1.6			
ASMT170520-MJ		2.0			
ASMT170530-MJ		3.0			
ASMT170532-MJ		3.2			

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench			
	D	d	L	L1							
AKS06-102-S10-120	10	10	120	20	2	XOMX0602..	BFTX1804	TRX06			
AKS06-112-S10-110	11	10	110	13	2						
AKS06-122-S12-100	12	12	100	25	2						
AKS06-122-S12-150			150	3							
AKS06-123-S12-100			100								
AKS06-123-S12-130			130								
AKS06-123-S12-150			150								
AKS06-132-S12-130			13		12				130	18	2
AKS06-133-S12-130	13	12	130	18	3						
AKS06-164-S16-150			150	28	4						
AKS06-164-S16-200	16	16	200	4							
AKS06-174-S16-150			150		20				4		
AKS09-162-S16-150	16	16	150	28	2				XOMX0903..	BFTX2506	TRX08
AKS09-162-S16-200	16	16	200	2							
AKS09-172-S16-150			150		20	2					
AKS09-172-S16-200	17	16	200	2							
AKS09-202-S20-150			150		30	2					
AKS09-202-S20-200	20	20	200	3							
AKS09-203-S20-150			150								
AKS09-203-S20-200			200								
AKS09-212-S20-150	21	20	150	30	2						
AKS09-212-S20-200			200	3							
AKS09-213-S20-150			150								
AKS09-213-S20-200			200								
AKS09-253-S25-150	25	25	150	35	3						
AKS09-253-S25-200			200								
AKS09-263-S25-150	26	25	150	30	3						
AKS09-263-S25-200			200								
AKS09-325-S32-150	32	32	150	35	5						
AKS09-325-S32-200			200								
AKS09-335-S32-150	33	32	150	30	5						
AKS09-335-S32-200			200								

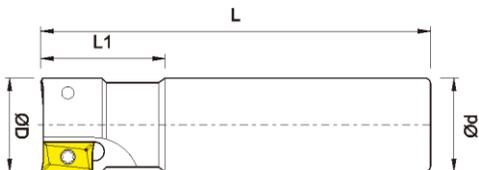
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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
AKS06-102-MD10	10	5.5	16	M5	2	XOMX0602..	BFTX1804	TRX06
AKS06-112-MD10	11	5.5	16	M5	2			
AKS06-122-MD11	12	6.5	18	M6	2			
AKS06-123-MD11					3			
AKS06-132-MD11	13	6.5	18	M6	2			
AKS06-133-MD11					3			
AKS06-164-MD14	16	8.5	20	M8	4			
AKS06-184-MD11	18	6.5	18	M6	4			
AKS06-184-MD14	18	8.5	20	M8	4			
AKS06-204-MD18	20	10.5	24	M10	4			
AKS06-205-MD18					5			
AKS06-254-MD23	25	12.5	28	M12	4			
AKS06-255-MD23					5			
AKS09-162-MD14	16	8.5	25	M8	2			
AKS09-172-MD14	17	8.5	25	M8	2			
AKS09-202-MD18	20	10.5	30	M10	2			
AKS09-203-MD18					3			
AKS09-212-MD18	21	10.5	30	M10	2			
AKS09-213-MD18					3			
AKS09-253-MD23	25	12.5	35	M12	3			
AKS09-263-MD23	26	12.5	35	M12	3			
AKS09-264-MD23					4			
AKS09-324-MD29	32	17	43	M16	4			
AKS09-325-MD29					5			
AKS09-334-MD29	33	17	43	M16	4			
AKS09-335-MD29					5			

Description	Insert Shape	Dimensions,mm			
		A	B	S	r
XOMX060202R-M05		6.91-6.94	4.09	2.45	0.2
XOMX060204R-M05					0.4
XOMX060208R-M05					0.8
XOMX060216R-M05					1.6
XOMX090304TR-ME06		9.9-10.8	6.35	3.21-3.65	0.4
XOMX090308TR-ME06					0.8
XOMX090312TR-ME06					1.2
XOMX090316TR-ME06					1.6

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Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 	
	D	d	L	L1					
CAP3-162-S16-100	16	16	100	28	2	APKT1003..	BFTX2506	TRX08	
CAP3-162-S16-150			150						
CAP3-162-S16-200			200						
CAP3-172-S16-150	17	16	150	26	2				
CAP3-172-S16-200			200						
CAP3-182-S20-150	18	20	150	30	2				
CAP3-182-S20-200			200						
CAP3-192-S20-150	19	20	150	30	2				
CAP3-202-S20-100	20	20	100	30	2				
CAP3-202-S20-150			150						
CAP3-203-S20-100			100		3				
CAP3-203-S20-150			150						
CAP3-203-S20-200	200								
CAP3-212-S20-150	21	20	150	30	2				
CAP3-212-S20-200			200						
CAP3-213-S20-150			150		3				
CAP3-253-S25-125	25	25	125	30	3				
CAP3-253-S25-150	25	25	150	30	3				
CAP3-263-S25-150	26	25	150	30	3				
CAP3-263-S25-200			200						
CAP3-264-S25-150			150		4				
CAP3-264-S25-200			200						
CAP3-324-S32-150	32	32	150	40	4				
CAP3-324-S32-200			200						
CAP4-242-S25-125	24	25	125	40	2	APKT1604..	BFTX4008	TRX15	
CAP4-252-S25-125	25	25	125	40	2				
CAP4-252-S25-150			150						
CAP4-262-S25-150	26	25	150	30	2				
CAP4-262-S25-200			200						
CAP4-323-S32-150	32	32	150	45	3	APKT1604..	BFTX4010	TRX15	
CAP4-323-S32-200			200						
CAP4-323-S32-250			250						
CAP4-333-S32-150	33	32	150	35	3				
CAP4-333-S32-200			200						
CAP4-352-S32-150	35	32	150	35	2				
CAP4-352-S32-200			200						
CAP4-353-S32-150			150		3				
CAP4-353-S32-200			200						

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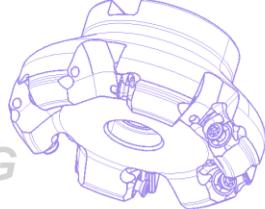


FIG-1

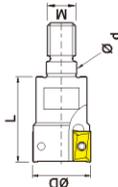


FIG-2

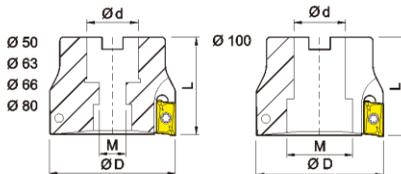
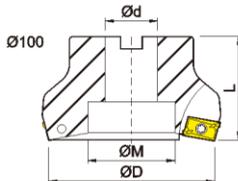
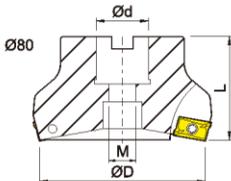


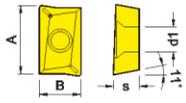
FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
CAP3-162-MD14	16	8.5	25	M8	2	APKT1003..	BFTX2506	TRX08
CAP3-172-MD14	17							
CAP3-182-MD14	18							
CAP3-202-MD18	20	10.5	30	M10	2			
CAP3-203-MD18					3			
CAP3-212-MD18	21	10.5	30	M10	2			
CAP3-213-MD18					3			
CAP3-253-MD23	25	12.5	35	M12	3			
CAP3-263-MD23	26	12.5	35	M12	3			
CAP3-264-MD23					4			

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
CAP4-403-16.0	40	16.0	40	9	3	APKT1604..	BFTX4010	TRX15
CAP4-403-22.0	40	22.0	50	11	3			
CAP4-403-25.4	40	25.4	50	13	3			
CAP4-504-22.0	50	22.0		11	4			
CAP4-504-25.4	50	25.4		13				
CAP4-635-22.0	63	22.0		11	5			
CAP4-635-25.4	63	25.4		13				
CAP4-665-25.4	66	25.4						
CAP4-806-25.4	80	25.4			6			
CAP4-806-27.0	80	27.0						
CAP4-806-31.75	80	31.75						
CAP4-1008-31.75	100	31.75	50	45	8			

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Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
CAPW4-806-25.4	80	25.4	50	13	6	APKT1604..	BFTX4010	TRX15
CAPW4-1007-31.75	100	31.75	50	45	7			

Description	Insert Shape 	Dimensions,mm			
		A	B	S	d1
APKT1003PDTR		10.5	6.7	3.5	2.85
APKT100308PDTR-RM		16.5	9.52	5.3	4.4
APKT1604PDER					

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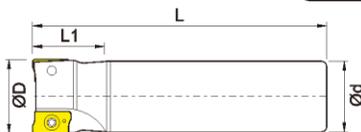
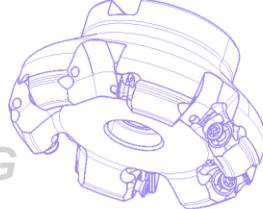


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
VAX11-162-S16-150	16	16	150	28	2	R390-11T3..	BFTX2506	TRX08
VAX11-162-S16-200			200					
VAX11-172-S16-150	17	16	150	20	2			
VAX11-172-S16-200			200					
VAX11-162-S16-150	18	16	150	20	2			
VAX11-162-S16-200			200					
VAX11-202-S20-150	20	20	150	30	2			
VAX11-202-S20-200			200					
VAX11-203-S20-150			150		3			
VAX11-203-S20-200			200					
VAX11-212-S20-150	21	20	150	20	2			
VAX11-212-S20-200			200					
VAX11-213-S20-150			150		3			
VAX11-213-S20-200			200					
VAX11-222-S20-150	22	20	150	30	2			
VAX11-222-S20-200			200					
VAX11-253-S25-150	25	25	150	35	3			
VAX11-253-S25-200			200					
VAX11-254-S25-150			150		4			
VAX11-254-S25-200			200					
VAX11-263-S25-150	26	25	150	25	3			
VAX11-263-S25-200			200					
VAX11-264-S25-150			150		4			
VAX11-264-S25-200			200					
VAX11-324-S32-150	32	32	150	40	4			
VAX11-324-S32-200			200					
VAX11-324-S32-250			250					
VAX11-334-S32-150	33	32	150	32	4			
VAX11-334-S32-200			200					
VAX11-334-S32-250			250					
VAX11-354-S32-150	35	32	150	32	4			
VAX11-354-S32-200			200					
VAX11-354-S32-250			250					
VAX17-252-S25-150	25	25	200	32	2	R390-1704..	BFTX3508	TRX15
VAX17-252-S25-200			200					
VAX17-262-S25-200	26	25	200	32	2			
VAX17-262-S25-250			250					
VAX17-323-S32-150	32	32	150	35	3			
VAX17-323-S32-200			200					
VAX17-323-S32-250			250					
VAX17-333-S32-150	33	32	150	35	3			
VAX17-333-S32-200			200					
VAX17-333-S32-250			250					

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Description	Insert Shape	Dimensions,mm			
		A	B	S	r
R390-11T308E-PL		11	6.8	3.59	0.8
R390-11T308M-PM					
R390-170408E-PL		17	9.6	4.76	0.8
R390-170408M-PM					

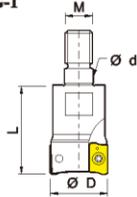
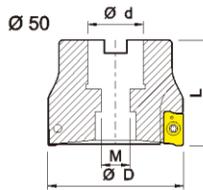
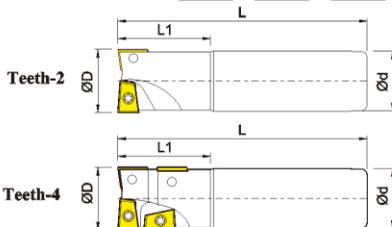
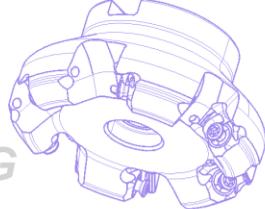

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
VAX11-162-MD14	16	8.5	26	M8	2	R390-11T3..	BFTX2506	TRX08
VAX11-172-MD14	17							
VAX11-202-MD18	20	10.5	30	M10	2			
VAX11-203-MD18					3			
VAX11-212-MD18	21	10.5	30	M10	2			
VAX11-213-MD18					3			
VAX11-253-MD23	25	12.5	35	M12	3			
VAX11-254-MD23					4			
VAX11-263-MD23	26	12.5	35	M12	3			
VAX11-264-MD23					4			
VAX11-324-MD29	32	17	43	M16	4			
VAX11-325-MD29					5			
VAX11-334-MD29	33	17	43	M16	4			
VAX11-335-MD29					5			
VAX11-354-MD29	35	17	43	M16	4			
VAX11-355-MD29					5			
VAX17-252-MD23	25	12.5	35	M12	2	R390-1704..	BFTX3508	TRX15
VAX17-262-MD23	26	12.5	35	M12	2			
VAX17-323-MD29	32	17	43	M16	3			
VAX17-333-MD29	33	17	43	M16	3			

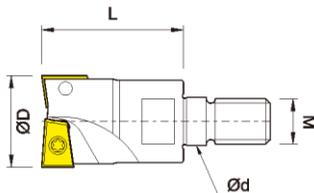
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench			
	D	d	L	M							
VAX11-05005-22.0	50	22.0	40	11	5	R390-11T3..	MS2506B	ETF08			
VAX11-05007-22.0					7						
VAX11-05005-25.4	50	25.4	50	13	5						
VAX11-05007-25.4					7						
VAX11-06308-25.4	63				8						
VAX11-08009-25.4	80				9						
VAX11-10011-31.75	100	31.75		45	11						
VAX17-05004-22.0	50	22.0		11	4				R390-1704..	MS3509A	ETF15
VAX17-05004-25.4	50	25.4		13							
VAX17-05005-25.4	50				5						
VAX17-05205-25.4	52				5						
VAX17-06206-25.4	62				6						
VAX17-06306-25.4	63										
VAX17-08006-25.4	80										

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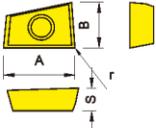
Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
AQXR162-S16-150	16	16	150	30	2	QOG/MT0830R-G1/M2	BFTX2206	TRX06
AQXR162-S16-200			200					
AQXR172-S16-150	17	16	150	25	2	QOG/MT1035R-G1/M2	BFTX2506	TRX08
AQXR172-S16-200			200					
AQXR202-S20-150	20	20	150	35	2	QOG/MT1342R-G1/M2	BFTX3008	TRX10
AQXR202-S20-200			200					
AQXR212-S20-150	21	20	150	32	2	QOG/MT1651R-G1/M2	BFTX4010	TRX15
AQXR212-S20-200			200					
AQXR252-S25-150	25	25	150	40	2	QOG/MT1651R-G1/M2	BFTX4010	TRX15
AQXR252-S25-200			200					
AQXR262-S25-150	26	25	150	30	2	QOG/MT1651R-G1/M2	BFTX4010	TRX15
AQXR262-S25-200			200					
AQXR262-S25-250	32	32	250	45	2	QOG/MT1651R-G1/M2	BFTX4010	TRX15
AQXR322-S32-150			150					
AQXR322-S32-200	33	32	200	38	2	QOG/MT1651R-G1/M2	BFTX4010	TRX15
AQXR322-S32-300			300					
AQXR332-S32-150	33	32	150	50	4	QOG/MT1656R-G1/M2	BFTX4010	TRX15
AQXR332-S32-200			200					
AQXR332-S32-250	33	32	250	50	4	QOG/MT1656R-G1/M2	BFTX4010	TRX15
AQXR332-S32-300			300					
AQXR334-S32-150	35	32	150	50	2	QOG/MT1656R-G1/M2	BFTX4010	TRX15
AQXR334-S32-200			200					
AQXR334-S32-250	35	32	250	50	2	QOG/MT1656R-G1/M2	BFTX4010	TRX15
AQXR334-S32-300			300					
AQXR352-S32-200	35	32	200	50	2	QOG/MT1656R-G1/M2	BFTX4010	TRX15
AQXR402-S32-160	40	32	160	50	2	QOG/MT2062R-G1/M2	BFTX5010	TRX20

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Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
AQXR162-MD14	16	8.5	25	M8	2	QOG/MT0830R-G1/M2	BFTX2206	TRX06
AQXR172-MD14	17							
AQXR202-MD18	20	10.5	32	M10	2	QOG/MT1035R-G1/M2	BFTX2506	TRX08
AQXR212-MD18	21							
AQXR252-MD23	25	12.5	35	M12	2	QOG/MT1342R-G1/M2	BFTX3008	TRX10
AQXR262-MD23	26							
AQXR322-MD29	32	17	43	M16	2	QOG/MT1651R-G1/M2	BFTX4010	TRX15
AQXR332-MD29	33							

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Description	Insert Shape 	Dimensions,mm			
		A	B	S	r
QOMT0830R-M2		8.4	5.5	3	0.8
1035R-M2		10.6	7	3.5	0.8
1342R-M2		13.1	8.7	4.2	0.8
1651R-M2		16.5	11	5.1	0.8
QOGT0830R-G1		8.4	5.5	3	0.8
1035R-G1	10.6	7	3.5	0.8	
1342R-G1	13.1	8.7	4.2	0.8	
1651R-G1	16.5	11	5.1	0.8	

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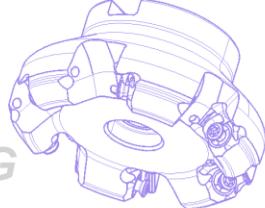


FIG-1

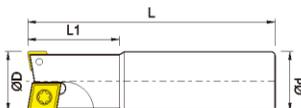


FIG-2

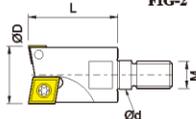


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw		Wrench		
	D	d	L	L1							
C10-DM08-130	8	10	130	25	1	CCMT060204	--	BFTX2506	--	TRX08	--
C10-DM10-130	10	10	130	25	1						
C10-DM10-150			150								
C10-DM10.5-130	10.5	10	130	20	1						
C10-DM11-130	11	10	130	16	1						
C10-DM11-150			150								
C12-DM12-150	12	12	150	30	1	CPMT080204Z	--	BFTX2506	--	TRX08	--
C12-DM13-150	13	12	150	20	1						
C16-DM16-150	16	16	150	30	2	CPMT080204Z	CCMT060204	BFTX2506	BFTX2506	TRX08	--
C16-DM16-200			200								
C16-DM17-150	17	16	150	25	2						
C16-DM17-200			200								
C20-DM20-150	20	20	150	30	2	CPMT090204Z	CCMT060204	BFTX3506	BFTX2506	TRX15	TRX08
C20-DM20-200			200								
C20-DM21-150	21	20	150	25	2						
C20-DM21-200			200								
C25-DM25-150	25	25	150	40	2	CPMT120308Z	CPMT090308	BFTX4008	BFTX4008	TRX15	--
C25-DM25-200			200								
C25-DM25-250			250								
C25-DM26-150	26	25	150	30	2						
C25-DM26-200			200								
C25-DM26-250			250								
C32-DM32-150	32	32	150	40	2	CPMT160408Z	CPMT120408	BFTX4010	BFTX4010	TRX20	--
C32-DM32-200			200								
C32-DM32-250			250								
C32-DM32-300			300								
C32-DM33-150	33	32	150	30	2						
C32-DM33-200			200								
C32-DM33-250			250								
C32-DM33-300			300								

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw		Wrench		
	D	d	L	M							
AJU16-MD14	16	8.5	28	M8	2	CPMT080204Z	CCMT060204	MS2506A	MS2506A	ETF08	--
AJU17-MD14	17										
AJU20-MD18	20	10.5	32	M10	2	CPMT090204Z	CCMT060204	MS3507A	MS2506A	ETF15	ETF08
AJU21-MD18	21										
AJU25-MD23	25	12.5	38	M12	2	CPMT120308Z	CPMT090308	MS4009A	MS4009A	ETF15	--
AJU26-MD23	26										
AJU32-MD29	32	17	43	M16	2	CPMT160408Z	CPMT120408	MS5011A	MS5011A	ETF20	--
AJU33-MD29	33										

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FIG-1

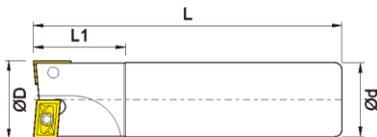


FIG-2

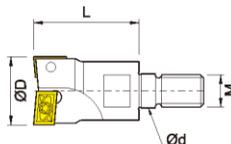
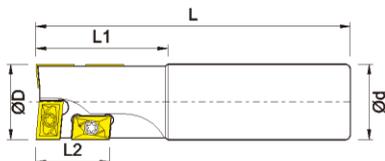
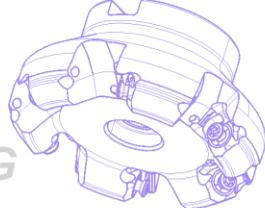


FIG-1 Item code	Dimensions,mm				No of Flute		Insert		Screw	Wrench
	D	d	L	L1	End	Periphery	On End	On Periphery		
ASJ202-S20-150	20	20	150	25	1	1	ADMT1003.L	ACMT1003.R	BFTX2506	TRX08
ASJ202-S20-200			200							
ASJ212-S20-150	21	20	150	25	1	1				
ASJ212-S20-200			200							
ASJ212-S20-250			250							
ASJ252-S25-150	25	25	150	30	1	1	ADMT12T3.L	APMT12T3.R	BFTX3008	TRX10
ASJ252-S25-200			200							
ASJ262-S25-150	26	25	150	30	1	1				
ASJ262-S25-200			200							
ASJ262-S25-250			250							
ASJ322-S32-150	32	32	150	40	1	1	APMT1604.L	APMT1504.R	BFTX4010	TRX15
ASJ322-S32-200			200							
ASJ322-S32-250			250							
ASJ332-S32-150	33	32	150	30	1	1				
ASJ332-S32-200			200							
ASJ332-S32-250			250							
ASJ332-S32-300			300							
ASJ352-S32-150	35	32	150	28	1	1	APMT1704.L	APMT1504.R	BFTX4010	TRX15
ASJ352-S32-200			200							
ASJ352-S32-250			250							
ASJ352-S32-300			300							
ASJ352-S32-350			350							

FIG-2 Item code	Dimensions,mm				No of Flute		Insert		Screw	Wrench
	D	d	L	M	End	Periphery	On End	On Periphery		
ASJ202-MD18	20	10.5	30	M10	1	1	ADMT1003.L	ACMT1003.R	MS2506A	ETF08
ASJ212-MD18	21									
ASJ252-MD23	25	12.5	35	M12	1	1	ADMT12T3.L	APMT12T3.R	MS3008A	ETF10
ASJ262-MD23	26									
ASJ322-MD29	32	17	43	M16	1	1	APMT1604.L	APMT1504.R	MS4011A	ETF15
ASJ332-MD29	33									
ASJ352-MD29	35	17	43	M16	1	1	APMT1704.L	APMT1504.R	MS4011A	ETF15
ASJ402-MD29	40	17	43	M16	1	1	APMT1905.L	APMT1504.R	MS4011A	ETF15

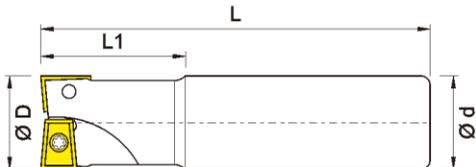
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Item code	Dimensions,mm					No of Flute		Insert		Screw	Wrench
	D	d	L	L1	L2	End	Periphery	On End	On Periphery		
ASJ204-S20-150	20	20	150	35	20	1	3	ADMT1003.L	ACMT1003.R	BFTX2506	TRX08
ASJ204-S20-200			200								
ASJ214-S20-150	21	20	150	35	20	1	3	ADMT12T3.L	APMT12T3.R	BFTX3008	TRX10
ASJ214-S20-200			200								
ASJ254-S25-150	25	25	150	40	25	1	3	ADMT12T3.L	APMT12T3.R	BFTX3008	TRX10
ASJ254-S25-200			200								
ASJ254-S25-250			250								
ASJ264-S25-150	26	25	150	40	25	1	3	ADMT12T3.L	APMT12T3.R	BFTX3008	TRX10
ASJ264-S25-200			200								
ASJ264-S25-250			250								
ASJ324-S32-150	32	32	150	50	32	1	3	APMT1604.L	APMT1504.R	BFTX4010	TRX15
ASJ324-S32-200			200								
ASJ324-S32-250			250								
ASJ324-S32-300			300								
ASJ334-S32-150	33	32	150					APMT1704.L	APMT1504.R	BFTX4010	TRX15
ASJ334-S32-200			200								
ASJ334-S32-250			250								
ASJ354-S32-150	35	32	150	50	32	1	3	APMT1704.L	APMT1504.R	BFTX4010	TRX15
ASJ354-S32-200			200								
ASJ354-S32-250			250								
ASJ354-S32-300			300								

Description	Insert Shape	Dimensions,mm				
		A	B	S	r	$\theta^\circ$
ACMT100308R	<p>外刃 Periphery</p>	10.1	6.35	3.4	0.8	7
APMT12T308R		13.14	7.93	3.9		11
APMT150408R		15.88	9.53	4.76		11
ADMT100308L	<p>底刃 On End</p>	10.4	6.35	3.18	0.8	15
ADMT12T308L		12.6	7.93	3.9		
APMT160408L		16.45	9.53	4.76	0.8	11
APMT170408L		17.6	9.53	4.76	0.8	11
APMT190508L		19.6	10.0	5.0	0.8	11

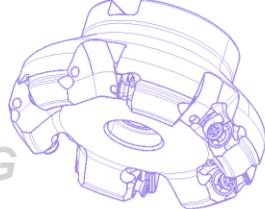
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Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
PG20-S20-150	20	20	150	30	2	PG100308 N-81	BFTX2506	TRX08
PG20-S20-200			200					
PG21-S20-150	21	20	150	25				
PG21-S20-200			200					
PG25-S25-150	25	25	150	40	2	PG130408 N-81	BFTX3008	TRX10
PG25-S25-200			200					
PG26-S25-150	26	25	150	30				
PG26-S25-200			200					
PG32-S32-150	32	32	150	45	2	PG160408 N-81	BFTX4010	TRX15
PG32-S32-200			200					
PG32-S32-250			250					
PG33-S32-150	33	32	150	35				
PG33-S32-200			200					
PG33-S32-250			250					

Description	Insert Shape 	Dimensions,mm			
		A	B	S	r
PG100308 N-81		10.5	7.5	3.4	0.8
PG130408 N-81		13.0	9.4	4.5	0.8
PG160408 N-81		16.52	11.4	4.76	0.8

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
RT07-D061-S10-100	6	10	100	30	1	RT0702...	BFTX2506	TRX08
RT07-D081-S10-100	8	10	100	30	1			
RT07-D102-S10-150	10	10	150	25	2			
RT07-D112-S10-150	11	10	150	20	2			
RT07-D122-S12-150	12	12	150	25	2			
RT07-D132-S12-150	13	12	150	20	2			
RT07-D163-S16-150	16	16	150	30	3			
RT07-D163-S16-200			200					
RT07-D173-S16-150	17	16	150	25	3			
RT07-D173-S16-200			200					
RT07-D204-S20-150	20	20	150	35	4			
RT07-D204-S20-200			200					
RT07-D214-S20-150	21	20	150	25	4			
RT07-D214-S20-200			200					
RT10-D162-S16-150	16	16	150	30	2	RT1003...	BFTX2506	TRX08
RT10-D162-S16-200			200					
RT10-D172-S16-150	17	16	150	25	2			
RT10-D172-S16-200			200					
RT10-D202-S20-150	20	20	150	35	2			
RT10-D202-S20-200			200					
RT10-D203-S20-150			150		3			
RT10-D203-S20-200		200						
RT10-D212-S20-150	21	20	150	30	2			
RT10-D212-S20-200			200					
RT10-D213-S20-150			150		3			
RT10-D213-S20-200		200						
RT10-D252-S25-150	25	25	150	40	2			
RT10-D252-S25-200			200					
RT10-D253-S25-150			150		3			
RT10-D253-S25-200		200						
RT10-D262-S25-150	26	25	150	30	2			
RT10-D262-S25-200			200					
RT10-D263-S25-150			150		3			
RT10-D263-S25-200		200						
RT10-D263-S25-250		250						
RT10-D324-S32-150	32	32	150	40	4			
RT10-D324-S32-200			200					
RT10-D325-S32-150			150		5			
RT10-D325-S32-200			200					
RT10-D334-S32-150	33	32	150	35	4			
RT10-D334-S32-200			200					
RT10-D335-S32-150			150		5			
RT10-D335-S32-200			200					
RT10-D335-S32-250			250					
RT10-D335-S32-300		300						
RT10-D354-S32-150	35	32	150	35	4			
RT10-D354-S32-200			200					
RT10-D355-S32-150			150		5			
RT10-D355-S32-200			200					

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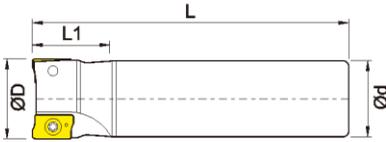


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
VAX11-162-S16-150	16	16	150	28	2	R390-11T3..	BFTX2506	TRX08
VAX11-162-S16-200			200					
VAX11-172-S16-150	17	16	150	20	2			
VAX11-172-S16-200			200					
VAX11-182-S16-150	18	16	150	20	2			
VAX11-182-S16-200			200					
VAX11-202-S20-150	20	20	150	30	2			
VAX11-202-S20-200			200					
VAX11-203-S20-150			150		3			
VAX11-203-S20-200			200					
VAX11-212-S20-150	21	20	150	20	2			
VAX11-212-S20-200			200					
VAX11-213-S20-150			150		3			
VAX11-213-S20-200			200					
VAX11-222-S20-150	22	20	150	30	2			
VAX11-222-S20-200			200					
VAX11-253-S25-150	25	25	150	35	3			
VAX11-253-S25-200			200					
VAX11-254-S25-150			150		4			
VAX11-254-S25-200			200					
VAX11-263-S25-150	26	25	150	25	3			
VAX11-263-S25-200			200					
VAX11-264-S25-150			150		4			
VAX11-264-S25-200			200					
VAX11-324-S32-150	32	32	150	40	4			
VAX11-324-S32-200			200					
VAX11-324-S32-250			250					
VAX11-334-S32-150	33	32	150	32	4			
VAX11-334-S32-200			200					
VAX11-334-S32-250			250					
VAX11-354-S32-150	35	32	150	32	4			
VAX11-354-S32-200			200					
VAX11-354-S32-250			250					
VAX17-252-S25-150	25	25	150	32	2	R390-1704..	BFTX3508	TRX15
VAX17-252-S25-200			200					
VAX17-262-S25-200	26	25	200	32	2			
VAX17-262-S25-250			250					
VAX17-323-S32-150	32	32	150	35	3			
VAX17-323-S32-200			200					
VAX17-333-S32-150	33	32	150	35	3			
VAX17-333-S32-200			200					
VAX17-333-S32-250			250					

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Description	Insert Shape	Dimensions,mm			
		A	B	S	r
R390-11T308E-PL		11	6.8	3.59	0.8
R390-11T308M-PM					
R390-170408E-PL		17	9.6	4.76	0.8
R390-170408M-PM					

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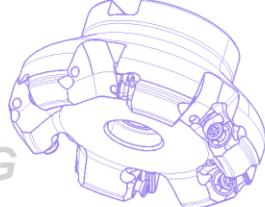


FIG 1 -

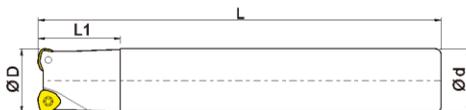


FIG 2 -

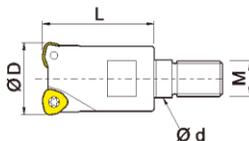
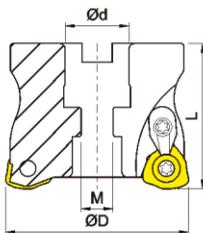


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	L1							
AJX06-203-S20-150	20	20	150	25	3	JO..06T2...	BFTX2506	TRX06	-	-	-
AJX06-223-S20-150	22	20	150	25	3						
AJX08-202-S20-150	20	20	150	30	2	JO..0803...	BFTX3008	TRX10	-	-	-
AJX08-202-S20-200			200								
AJX08-212-S20-150	21	20	150	20	2	JO..0803...	BFTX3008	TRX10	-	-	-
AJX08-212-S20-200			200								
AJX08-222-S20-150	22	20	150	25	2	JO..0803...	BFTX3008	TRX10	-	-	-
AJX08-222-S20-200			200								
AJX08-253-S25-150	25	25	150	35	3	JO..0803...	BFTX3008	TRX10	-	-	-
AJX08-253-S25-200			200								
AJX08-263-S25-150	26	25	150	30	3	JO..0803...	BFTX3008	TRX10	-	-	-
AJX08-263-S25-200			200								
AJX08-353-S32-150	35	32	150	30	3	JO..0803...	BFTX3008	TRX10	-	-	-
AJX08-353-S32-200			200								
AJX12-322-S32-150	32	32	150	45	2	JD..1204...	BFTX4010	TRX15	MS3509A	MC35-143	TRX15
AJX12-322-S32-200			200								
AJX12-322-S32-250			250								
AJX12-403-S32-200	40	32	200	35	3	JD..1204...	BFTX4010	TRX15	MS3509A	MC35-143	TRX15
AJX12-403-S32-250			250								
AJX12-403-S42-150	40	42	150	70	3	JD..1204...	BFTX4010	TRX15	MS3509A	MC35-143	TRX15
AJX12-403-S42-200			200								

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	M							
AJX08-212-MD18	21	10.5	30	M10	2	JO..0803...	MS3008A	ETF10	-	-	-
AJX08-253-MD23	25	12.5	35	M12	3						
AJX08-263-MD23	26	12.5	35	M12	3						
AJX08-353-MD29	35	17	43	M16	3						

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	M							
AJX12-050A03R-22.0	50	22.0	50	11	3	JD..1204...	BFTX4010	TRX15	MS3509A	MC35-143	TRX15
AJX12-050A04R-22.0				4							
AJX12-063A04R-22.0	63	22.0	50	11	4						
AJX12-06304CR-25.4	63	25.4	50	13	4						
AJX12-06604CR-25.4	66										
AJX12-08004CR-25.4	80										
AJX14-063A04R-22.0	63	22.0	50	11	4	JD..1405...	BFTX5010	TRX20	MS5011A	MC50-147	TRX20
AJX14-06304CR-25.4	63	25.4	50	13	4						
AJX14-06604CR-25.4	66										
AJX14-08004DR-31.75	80	31.75	63	17	4						
AJX14-10005DR-31.75	100	31.75	63	17	5						

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Description	Insert Shape	Dimensions,mm				
		A	B	S	r	θ°
JO..06T2...		1.2	6.35	2.78	1.5	13
JO..0803...		1.4	8.0	3.18	2.0	
JD..1204...		2.5	12.0	4.76	2.0	
JD..1405...		2.8	14.0	5.56	2.0	15

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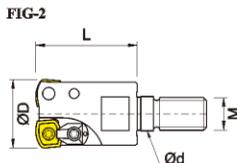
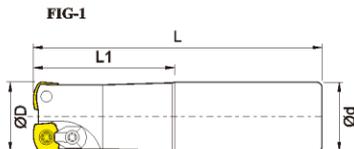
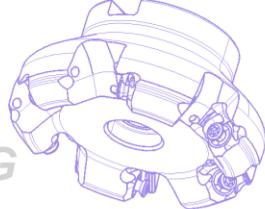
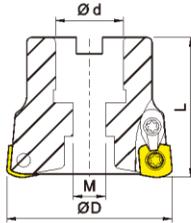


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	L1							
ASR20-S20-150	20	20	150	40	2	EPNW0803TN-10	BFTX3506	TRX15	MS3509A	MC35-143	TRX15
ASR20-S20-200			200								
ASR25-S25-150	25	25	150	50	2	EDNW10T3TN-10	BFTX4008	TRX15	MS3509A	MC35-143	TRX15
ASR25-S25-200			200								
ASR25-S25-250			250								
ASR35S-S32-150	35	32	150	40	3						
ASR35S-S32-200			200								
ASR35S-S32-250			250								
ASR35S-S32-300			300								
ASR35-S32-150	35	32	150	40	2	EDNW13T4TN-10	BFTX5010	TRX20	MS5011A	MC50-147	TRX20
ASR35-S32-200			200								
ASR35-S32-250			250								
ASR35-S32-300			300								

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	M							
ASR20-MD18	20	10.5	30	M10	2	EPNW0803TN-10	MS3507A	ETF15	MS3509A	MC35-143	ETF15
ASR25-MD23	25	12.5	35	M12	2	EDNW10T3TN-10	MS4009B	ETF15	MS3509A	MC35-143	ETF15
ASR35-MD29	35	17	43	M16	2	EDNW13T4TN-10	MS5011A	ETF20	MS5011A	MC50-147	ETF20

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench						
	D	d	L	M													
ASR504-22.0	50	22.0	50	11	4	EDNW13T4TN-10	BFTX5010	TRX20	MS5011A	MC50-147	TRX20						
ASR634S-25.4	63	25.4	50	13	4												
ASR664S-25.4	66	25.4	50	13	4												
ASR664S-27.0		27.0	50	13	4												
ASR804S-27.0	80	27.0	50	13	4												
ASR805SB-25.4		25.4	50	13	5												
ASR805S-27.0		27.0	50	13	5												
ASR633-22.0	63	22.0	50	11	3							EDNW15T4TN-1	BFTX5010	TRX20	MS5011A	MC50-147	TRX20
ASR634-22.0		22.0	50	11	4												
ASR634-25.4		25.4	50	13	4												
ASR664-25.4	66	25.4	50	13	4												
ASR804-25.4	80	25.4	50	13	4												
ASR804-27.0		27.0	50	13	4												
ASR805-25.4	80	25.4	50	13	5												
ASR805-27.0		27.0	50	13	5												
ASR1006-31.75	100	31.75	55	45	6												

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Description	Insert Shape	Dimensions,mm			
		A	B	S	R
EPNW0803TN-10		8.1	7.94	3.18	10
EDNW10T3TN-10		10.0	10.0	3.97	10
EDNW13T4TN-10		13.5	12.7	5.56	10
EDNW15T4TN-10		15.0	14.0	5.56	10
EDNW13T4TN-15		13.5	12.7	5.56	15
EDNW15T4TN-15		15.0	14.0	5.56	15

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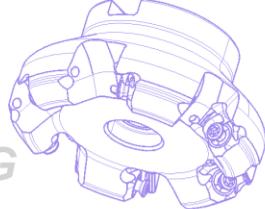


FIG-1

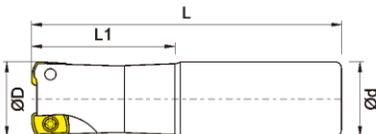


FIG-2

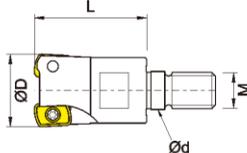
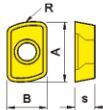
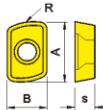


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
ASRS162-S16-150	16	16	150	25	2	EPMT0603TN-8	BFTX2506	TRX08
ASRS162-S16-200			200					
ASRS172-S16-150	17	16	150	25	2	EPMT0603TN-8	BFTX2506	TRX08
ASRS172-S16-200			200					
ASRS203-S20-150	20	20	150	40	3	EPMT0603TN-8	BFTX2506	TRX08
ASRS203-S20-200			200					
ASRS213-S20-150	21	20	150	30	3	EPMT0603TN-8	BFTX2506	TRX08
ASRS213-S20-200			200					
ASRS254-S25-150	25	25	150	40	4	EPMT0603TN-8	BFTX2506	TRX08
ASRS254-S25-200			200					
ASRS264-S25-150	26	25	150	35	4	EPMT0603TN-8	BFTX2506	TRX08
ASRS264-S25-200			200					
ASRS324-S32-150	32	32	150	45	4	EPMT0603TN-8	BFTX2506	TRX08
ASRS324-S32-200			200					
ASRS324-S32-250			250			EPMT0603TN-8	BFTX2506	TRX08
ASRS354-S32-150	35	32	150	30	4			
ASRS354-S32-200			200					
ASRS354-S32-250			250					

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
ASRS162-MD14	16	8.5	23	M8	2	EPMT0603TN-8	BFTX2506	TRX08
ASRS172-MD14	17							
ASRS203-MD18	20	10.5	30	M10	3	EPMT0603TN-8	BFTX2506	TRX08
ASRS213-MD18	21							
ASRS254-MD23	25	12.5	35	M12	4	EPMT0603TN-8	BFTX2506	TRX08
ASRS263-MD23	26				3			
ASRS264-MD23					4			
ASRS324-MD29	32	17	43	M16	4	EPMT0603TN-8	BFTX2506	TRX08
ASRS325-MD29					5			
ASRS355-MD29	35					EPMT0603TN-8	BFTX2506	TRX08

Description	Insert Shape 	Dimensions,mm			
		A	B	S	R
EPMT0603TN-8		10	6.35	3.18	8

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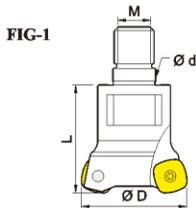


FIG-2

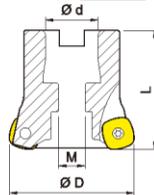
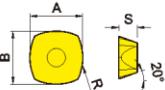


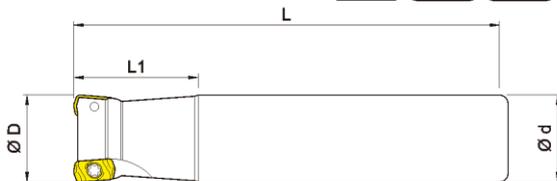
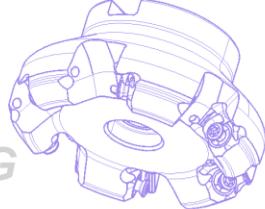
FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
ASRF4-353-MD29	35	17	43	M16	3	SD..1205..R15	BFTX4010	TRX15
ASRF4-424-MD29	42	17	43	M16	4			

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
ASRF4-525-22.0	52	22.0	50	11	5	SD..1205..R15	BFTX4010	TRX15

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Description	Insert Shape	Dimensions,mm			
		A	B	S	R
SDNW1205-ZDTN-R15		12.7	12.7	5.56	15

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
EXN3-162-S16-150T	16	16	150	30	2	LNMU03...MJ	BFTX2506	TRX08
EXN3-203-S20-150T	20	20	150	35	3	LNMU03...ML		
EXN3-254-S25-150T	25	25	150	35	4			

Description	Insert Shape	Dimensions,mm			
		A	B	S	r
LNMU0303-ZER-MJ		11.59	6	4.29	1.2
LNMU0303-ZER-ML					

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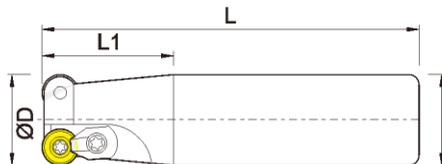
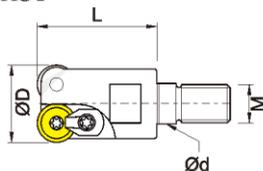
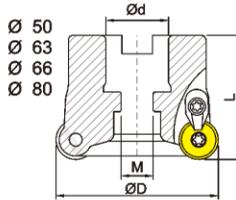
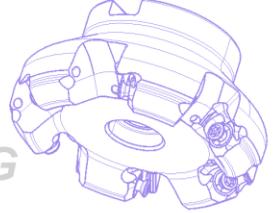

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	L1							
BRP08-202-S20-150	20	20	150	35	2	RP..08T2	BFTX2506	TRX15	MS3509A	MC35-143	TRX15
BRP08-202-S20-200			200								
BRP10-252-S25-150	25	25	150	40	2	RP..10T3	BFTX3508	TRX15	MS3509A	MC35-143	TRX15
BRP10-252-S25-200			200								
BRP10-252-S25-250			250								
BRP12-252-S25-150	25	25	150	45	2	RP..1204	BFTX4008	TRX15	MS3509A	MC35-143	TRX15
BRP12-252-S25-200			200								
BRP12-252-S25-250			250								
BRP12-262-S25-150	26	25	150	35	2	RP..1204	BFTX4010	TRX15	MS3509A	MC35-143	TRX15
BRP12-262-S25-200			200								
BRP12-262-S25-250			250								
BRP12-322-S32-150	32	32	150	45	2						
BRP12-322-S32-200			200								
BRP12-323-S32-150			150		3						
BRP12-323-S32-200			200								
BRP12-323-S32-250			250								
RP103-202-S20-150	20	20	150	35	2	RP..1003	BFTX4008	TRX15	-	-	--
RP103-202-S20-200			200								
RP103-212-S20-150	21	20	150	25	2						
RP103-212-S20-200			200								
RP103-252-S25-150	25	25	150	40	2	RP..1003	BFTX4008	TRX15	MS3509A	MC35-143	TRX15
RP103-252-S25-200			200								
RP103-262-S25-150	26	25	150	30	2						
RP103-262-S25-200			200								

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	M							
BRP12-252-MD23	25	12.5	35	M12	2	RP..1204	BFTX4008	TRX15	MS3509A	MC35-143	TRX15
BRP12-262-MD23	26						BFTX4008				
RP103-202-MD18	20	10.5	30	M10	2	RP..1003	BFTX4008	TRX15	-	-	
RP103-212-MD18	21										
RP103-252-MD23	25	12.5	35	M12	2	RP..1003	BFTX4008	TRX15	MS3509A	MC35-143	TRX15
RP103-253-MD23					3						
RP103-262-MD23	26	12.5	35	M12	2						
RP103-303-MD23	30				3				MS3509A	MC35-143	TRX15
RP103-353-MD29	35	17	43	M16	3						
RP103-354-MD29					4						

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	M							
RPM-6R504-22.0	50	22.0	50	11	4	RP..1204	BFTX4010	TRX15	MS3509A	MC35-143	TRX15
RPM-6R504-25.4	50	25.4	50	13	4						
RPM-6R635-25.4	63	25.4	50	13	5						
RPM-6R665-25.4	66										
RPM-6R806-25.4	80	25.4	50	13	6						
RPM-6R1006-31.75	100	31.75	50	13	6						

Description	Insert Shape	Dimensions,mm		
		lc	S	d1
RPMT08T2MOE-JS		8	2.78	2.9
RPMT10T3MOE-JS		10	3.97	3.9
RPMT1204MOE-JS		12	4.76	4.4
RPMW1003MO		10	3.18	4.4

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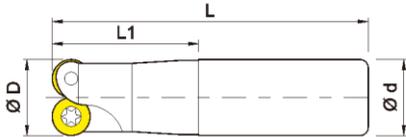
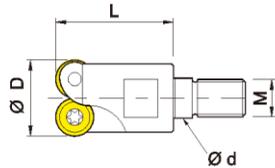
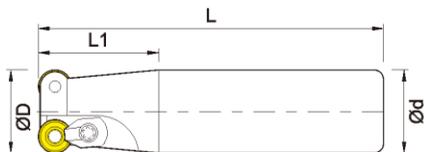
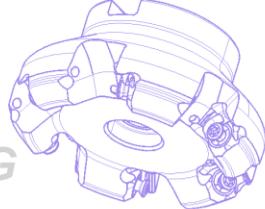

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
ARD05-D102-S10-100	10	10	100	18	2	RD..0501..	BFTX1804	TRX06
ARD05-D102-S10-150			150					
ARD05-D112-S10-100	11	10	100	15	2			
ARD05-D112-S10-150			150					
ARD05-D122-S12-100	12	12	100	22	2			
ARD05-D122-S12-150			150					
ARD05-D132-S12-100	13	12	100	18	2			
ARD05-D132-S12-150			150					
ARD05-D133-S12-100			100					
ARD05-D133-S12-150			150					

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	M				
ARD05-D102-MD10	10	5.5	16	M5	2	RD..0501..	BFTX1804	TRX06
ARD05-D112-MD10	11							
ARD05-D122-MD11	12	6.5	18	M6	2			
ARD05-D123-MD11					3			
ARD05-D132-MD11	13	6.5	18	M6	2			
ARD05-D133-MD11					3			
ARD05-D133-MD11-M08	13	8.5	18	M8	3			
ARD05-D174-MD14	17	8.5	23	M8	4			

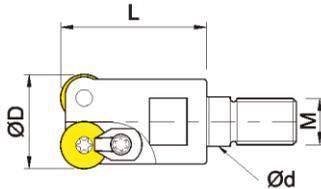
Description	Insert Shape 	Dimensions,mm		
		lc	S	d1
RD..0501..		5.0	1.50	1.90

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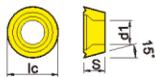
Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench						
	D	d	L	L1													
C12-4R12-130	12	12	130	30	1	RD..0802	BFTX3006	TRX10	BFTX3508	MC35-143	TRX15						
C12-4R13-130	13	12	130	20	1												
C16-4R16-150	16	16	150	35	1												
C16-4R16-200			200														
C16-4R17-150	17	16	150	25	1	RD..0802	BFTX3006	TRX10									
C16-4R172-150			150		2												
C20-4R20-150	20	20	150	40	2	RD..0802	BFTX3008	TRX10	BFTX3508	MC35-143	TRX15						
C20-4R20-200			200														
C20-4R21-150	21	20	150	25	2												
C20-4R21-200			200														
C25-4R25-150	25	25	150	50	3												
C25-4R26-150	26	25	150	25	3												
C25-5R25-150	25	25	150	45	2	RD..10T3	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15						
C25-5R25-200			200														
C25-5R25-250			250														
C25-5R26-150	26	25	150	30	2												
C25-5R26-200			200														
C25-5R26-250			250														
C25-5R302-150	30	25	150	30	2												
C25-5R302-200			200														
C25-5R302-250			250														
C25-5R303-150	30	25	150	30	3												
C25-5R303-200			200														
C25-5R303-250			250														
C32-5R32-150	32	32	150	45	3												
C32-5R32-200			200														
C32-5R32-250			250														
C32-5R32-300			300														
C32-5R35-150	35	32	150	30	3												
C32-5R35-200			200														
C32-5R35-250			250														
C32-5R35-300			300														
C32-5R40-150	40	32	150	30	3												
C32-5R40-200			200														
C32-5R40-250			250														
C32-5R40-300			300														
HAR12-252-S25-100	25	25	100	45	2	RD..120	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15						
HAR12-252-S25-150			150														
HAR12-252-S25-200			200														

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Screw	Clamp	Wrench
	D	d	L	M							
HAR08-162-MD14	16	8.5	23	M8	2	RD..0802	BFTX3006	TRX10	-	-	-
HAR08-172-MD14	17										
HAR08-202-MD18	20	10.5	30	M10	2	RD..10T3	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15
HAR08-212-MD18	21										
HAR08-253-MD23	25	12.5	35	M12	3		BFTX3008				
HAR10-202-MD18	20	10.5	30	M10	2	RD..10T3	BFTX4008	TRX15	-	-	-
HAR10-212-MD18	21					RD..10T3	BFTX4008	TRX15	-	-	-
HAR10-252-MD23	25	12.5	35	M12	2	RD..10T3	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15
HAR10-253-MD23					3						
HAR10-262-MD23	26	12.5	35	M12	2	RD..10T3	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15
HAR10-263-MD23					3						
HAR10-302-MD29	30	17	43	M16	2	RD..10T3	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15
HAR10-323-MD29	32	17	43	M16	3						
HAR10-353-MD29		35									
HAR10-354-MD29					4						
HAR10-404-MD29	40										
HAR10-424-MD29	42										
HAR10-425-MD29					5	RD..10T3	BFTX4008	TRX15	-	-	-
HAR12-252-MD23	25	12.5	35	M12	2	RD..1204	BFTX4008	TRX15	BFTX3508	MC35-143	TRX15
HAR12-353-MD29	35	17	43	M16	3						
HAR12-404-MD29	40				4						
HAR12-424-MD29	42										

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Description	Insert Shape	Dimensions,mm		
		lc	S	d1
RDMT0802MOTN		8.0	2.38	3.4
RDMT10T3MOTN		10.0	3.97	4.5
RDMX1204MOTN		12.0	4.76	4.5
RDMX1604MOTN		16.0	4.76	5.5

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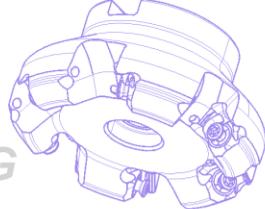


FIG-1

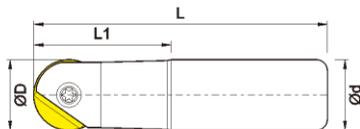


FIG-2

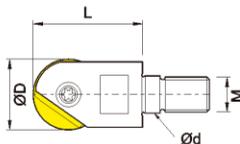


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
PPH08-S08-100	8	8	100	20	1	PPH-0800-..	BFTX6240	TRX08
PPH08-S10-100		10	100	35				
PPH10-S10-100	10	10	100	25	1	PPH-1000-..	BFTX6240	TRX08
PPH10-S12-100		12	100	36				
PPH12-S12-150	12	12	150	32	1	PPH-1200-..	BFTX6242	TRX10
PPH12-S16-200		16	200	58				
PPH16-S16-150	16	16	150	36	1	PPH-1600-..	BFTX6244	TRX15
PPH16-S16-200		200						
PPH16-S20-200		20	200	65				
PPH16-S20-250		250						
PPH20-S20-150	20	20	150	45	1	PPH-2000-..	BFTX6246	TRX20
PPH20-S20-200		200						
PPH20-S20-250		250						
PPH20-S25-200		25	200	76				
PPH20-S25-250		250						
PPH25-S25-200	25	25	200	45	1	PPH-2500-..	BFTX6246	TRX20
PPH25-S25-250		250						
PPH25-S32-200		32	200	98				
PPH25-S32-250		250						
PPH25-S32-300		300						

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
PPH08-MD08	8	4.5	16	M4	1	PPH-0800-..	BFTX6240	TRX08
PPH10-MD10	10	5.5	20	M5	1	PPH-1000-..	BFTX6240	TRX08
PPH12-MD11	12	6.5	22	M6	1	PPH-1200-..	BFTX6242	TRX10
PPH16-MD14	16	8.5	28	M8	1	PPH-1600-..	BFTX6244	TRX15
PPH20-MD18	20	10.5	30	M10	1	PPH-2000-..	BFTX6246	TRX20
PPH25-MD23	25	12.5	40	M12	1	PPH-2500-..	BFTX6246	TRX20

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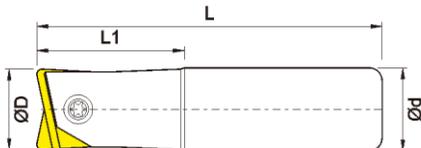
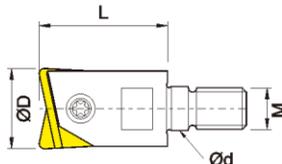
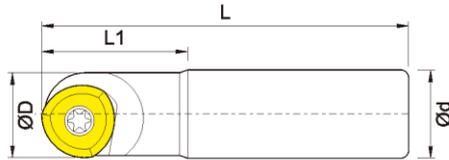
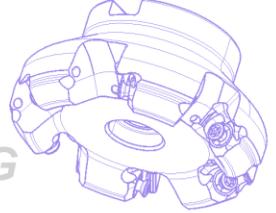

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
PPHT12-S12-150	12	12	150	32	1	PPHT-1200-..	BFTX6242	TRX10
PPHT16-S16-150	16	16	150	36	1	PPHT-1600-..	BFTX6244	TRX15
PPHT16-S16-200			200					
PPHT20-S20-150	20	20	150	45	1	PPHT-2000-..	BFTX6246	TRX20
PPHT20-S20-200			200					
PPHT20-S20-250			250					

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
PPHT12-MD11	12	6.5	22	M6	1	PPHT-1200-..	BFTX6242	TRX10
PPHT16-MD14	16	8.5	28	M8	1	PPHT-1600-..	BFTX6244	TRX15
PPHT20-MD18	20	10.5	30	M10	1	PPHT-2000-..	BFTX6246	TRX20

Description	Insert Shape	Dimensions,mm		
		D	S	R
PPH-0800-CL4		8	2.4	
PPH-1000-CL4		10	2.6	
PPH-1200-CL4		12	3.0	
PPH-1400-CL4		14	3.5	
PPH-1600-CL4		16	4.0	
PPH-2000-CL4		20	5.0	
PPH-2500-CL4		25	6.0	
PPH-3000-CL4		30	7.0	
PPH-3200-CL4		32	7.0	
PPH-4000-CL4		40	8.0	
PPHT-1200-08/A1		12	3.0	0.8
PPHT-1600-10/A1		16	4.0	1.0
PPHT-2000-16/A1		20	5.0	1.6

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Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
SE12-S12-150	12	12	150	25	1	QP..12/0903	BFTX3008	TRX10
SE12-S16-150	16	16	150	35				
SE12-S16-200			200					
SE16-S16-150	16	16	150	35	1	QP..16/12T3	BFTX4008	TRX15
SE16-S16-200			200					
SE16-S20-150			150	35				
SE16-S20-200	200							
SE20-S20-150	20	20	150	40	1	QP..20/1504	BFTX4010	TRX15
SE20-S20-200			200					
SE20-S25-250			250	40				

Description	Insert Shape	Dimensions,mm				
		d	s	d1	R	r
QPMT 120903-EN21		9.52	3.18	3.4	5.796	0.8
QPMT 1612T3-SN21		12.7	3.97	4.4	7.727	0.8
QPMT 201504-SN21		15.87	4.76	4.4	9.659	0.8

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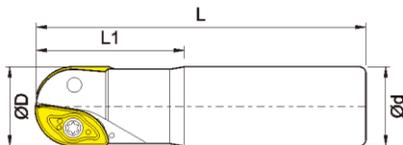
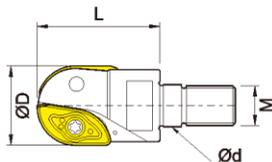

**FIG-1**

**FIG-2**


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
SR12-S12-150	12	12	150	25	2	ZP 1200 ER...	BFTX2506	TRX08
SR12-S12-200			200					
SR16-S16-150	16	16	150	30	2	ZP 1600 ER...	BFTX2506	TRX08
SR16-S16-200			200					
SR16-S20-200	20	20	200	35	2	ZP 2000 ER...	BFTX3508	TRX15
SR20-S20-150			150	35				
SR20-S20-200			200					
SR20-S25-150			25	150				
SR20-S25-200	25	25	200	40	2	ZP 2500 ER...	BFTX4010	TRX15
SR25-S25-150			150					
SR25-S25-200			200					

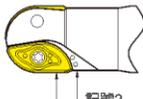
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
SR12-MD11	12	6.5	23	M6	2	ZP 1200 ER...	BFTX2506	TRX08
SR16-MD14	16	8.5	30	M8		ZP 1600 ER...	BFTX2506	TRX08
SR20-MD18	20	10.5	35	M10		ZP 2000 ER...	BFTX3508	TRX15
SR25-MD23	25	12.5	40	M12		ZP 2500 ER...	BFTX4010	TRX15

**刀片裝置方式**

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Description	Insert Shape	Dimensions,mm	
		S	d1
ZP 12 00 ER-51		2.38	2.9
ZP 16 00 ER-51		3.18	2.9
ZP 20 00 ER-51		3.97	4.0
ZP 25 00 ER-51		4.76	4.7

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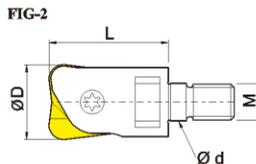
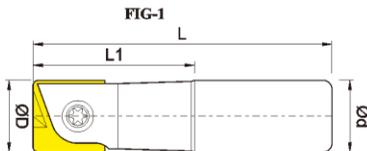
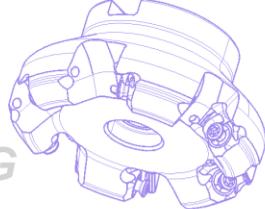


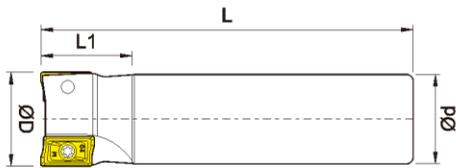
FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	L1				
GWV12-S12-150	12	12	150	30	1	WPV 12-N-Slist	BX5012	LH020
GWV16-S16-150	16	16	150	35	1	WPV 16-N-Slist	BX5016	
GWV20-S20-200	20	20	200	40	1	WPV 20-N-Slist	BX5020	

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench
	D	d	L	M				
GWV20-MD18	20	10.5	30	M10	1	WPV 20-N-Slist	BX5020	LH020
GWV25-MD23	25	12.5	40	M12	1	WPV 25-N-Slist	BX6025	LH030

Description	GRADE 材質	Insert Shape	Dimensions,mm			
	GA45		D +0.003	S	d1	L
WGRMT-D08-FR (P3201-D08)	●		8	2.0	3	9.5
WGRMT-D10-FR (P3201-D10)	●		10	2.5	4	11.5
WGRMT-D12-FR (P3201-D12)	●		12	2.5	5	12
WGRMT-D16-FR (P3201-D16)	●		16	3.0	5	14
WGRMT-D20-FR (P3201-D20)	●		20	3.0	5	16
WGRMT-D25-FR (P3201-D25)	●		25	4.0	6	21.5
WGRMT-D30-FR (P3201-D30)	●		30	5.0	8	25.5

Description	Insert Shape	Dimensions,mm			
		D +0.003	S	d1	r
WPV 08-N-Slist		8	2.0	3	0.6
WPV 10-N-Slist		10	2.5	4	0.8
WPV 12-N-Slist		12	2.5	5	1.0
WPV 16-N-Slist		16	3.0	5	1.3
WPV 20-N-Slist		20	3.0	5	1.6
WPV 25-N-Slist		25	4.0	6	2.0

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Item code	Dimensions,mm				Teeth	Insert	Screw 	Wrench 
	D	d	L	L1				
APM131-S12-130	13	12	130	20	1	AOMT-1236..	BFTX2506	TRX08
APM162-S16-150	16	16	150	28	2			
APM162-S16-200			200					
APM172-S16-150	17	16	150	20	2			
APM172-S16-200			200					
APM182-S20-150	18	20	150	25	2			
APM182-S20-200			200					
APM192-S20-150	19	20	150	25	2			
APM192-S20-200			200					
APM202-S20-150	20	20	150	30	2			
APM202-S20-200			200					
APM203-S20-150	20	20	150	30	3			
APM203-S20-200			200					
APM212-S20-150	21	20	150	20	2			
APM212-S20-200			200					
APM213-S20-150	21	20	150	20	3			
APM213-S20-200			200					
APM222-S20-150	22	20	150	30	2			
APM222-S20-200			200					
APM223-S20-150	22	20	150	30	3			
APM232-S25-150			23	25	150			
APM232-S25-200	200							
APM243-S25-150	24	25	150	35	3			
APM243-S25-200			200					
APM253-S25-150	25	25	150	35	3			
APM253-S25-200			200					
APM254-S25-150	25	25	150	35	4			
APM263-S25-150			26	25	150			
APM263-S25-200	200							
APM264-S25-150	26	25	150	25	4			
APM264-S25-200			200					
APM323-S32-150	32	32	150	40	3			
APM323-S32-200			200					
APM324-S32-150	32	32	150	40	4			
APM324-S32-200			200					
APM333-S32-150	33	32	150	32	3			
APM333-S32-200			200					
APM334-S32-150	33	32	150	32	4			
APM334-S32-200			200					
APM353-S32-150	35	32	150	32	3			
APM353-S32-200			200					
APM354-S32-150	35	32	150	32	4			
APM354-S32-200			200					

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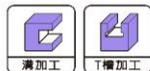
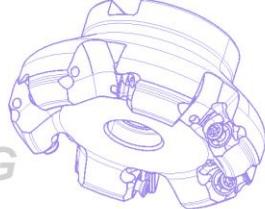


FIG-1

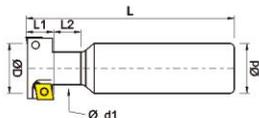


FIG-2

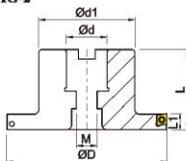
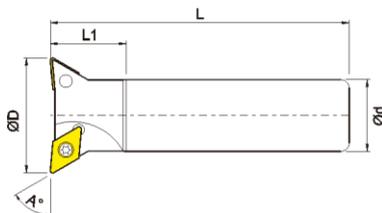


FIG-1 Item code	Dimensions,mm						Teeth	Insert	Screw	Wrench
	D	d	d1	L	L1	L2				
CCT09-D21-S16-100	21	16	10	100	9	16	2	CCMT080204	BFTX2506	TRX08
CCT09-D40-S20-150	40	20	19.8	150	9	17	4			
CCT11-D25-S20-90	25	20	12.5	90	11	17	4			
CCT11-D30-S25-100	30	25	14	100	11	20	4			
CCT11-D40-S20-150	40	20	19.8	150	11	15	4	CCMT080304	BFTX3008	TRX10
CCT14-D32-S25-100	32	25	16	100	14	22	4			
CCT14-D45-S25-150	45	25	24.8	150	14	15	4	CCMT09T308	BFTX4010	TRX15
CCT18-D40-S25-110	40	25	20	110	18	27	4			
CCT18-D50-S25-150	50	25	24.8	150	18	15	4			
CCT22-D50-S32-140	50	32	26	140	22	34	4	CCMT120408	BFTX5010	TRX20

FIG-2 Item code	Dimensions,mm						Teeth	Insert	Screw	Wrench
	D	d	d1	L	L1	M				
CCT08-10008-25.4	100	25.4	80	50	8	13	8	CCMT080204	BFTX2506	TRX08
CCT10-12510-31.75	125	31.75	70	50	10	13	10			
CCT12-08006-22.0	80	22.0	48	40	12	11	6	CCMT080304	BFTX3008	TRX10

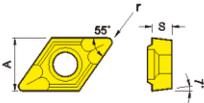
Description	Insert Shape	Dimensions,mm		
		A	s	r
CCMT080204		6.35	2.38	0.4
CCMT080304		7.94	3.18	0.4
CCMT09T308		9.525	3.97	0.8
CCMT120408		12.7	4.76	0.8

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Item code	Dimensions,mm				Teeth	A°	Insert	Screw	Wrench
	D	d	L	L1					
DCWR60-20-S20-100	20	20	100	25	1	60	DCMT0702..	BFTX2506	TRX08
DCWR60-25-S20-120	25	20	120	25	3				
DCWR60-30-S20-120	30	25	150	25	3				
DCWR60-40-S25-150	40								
DCWR60-44-S25-150	44								
DCWR60-50-S25-120	50								
DCWR60-50-S32-150	50	32	150	30	4		DCMT11T3	BFTX4010	TRX15
DCWR60-56-S32-150	56								
DCWR60-60-S32-150	60	3	75						
DCWR75-50-S32-150	50								

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Description	Insert Shape	Dimensions,mm		
		A	s	r
DCMT070204		6.35	2.38	0.4
DCMT11T304		9.525	3.97	0.4