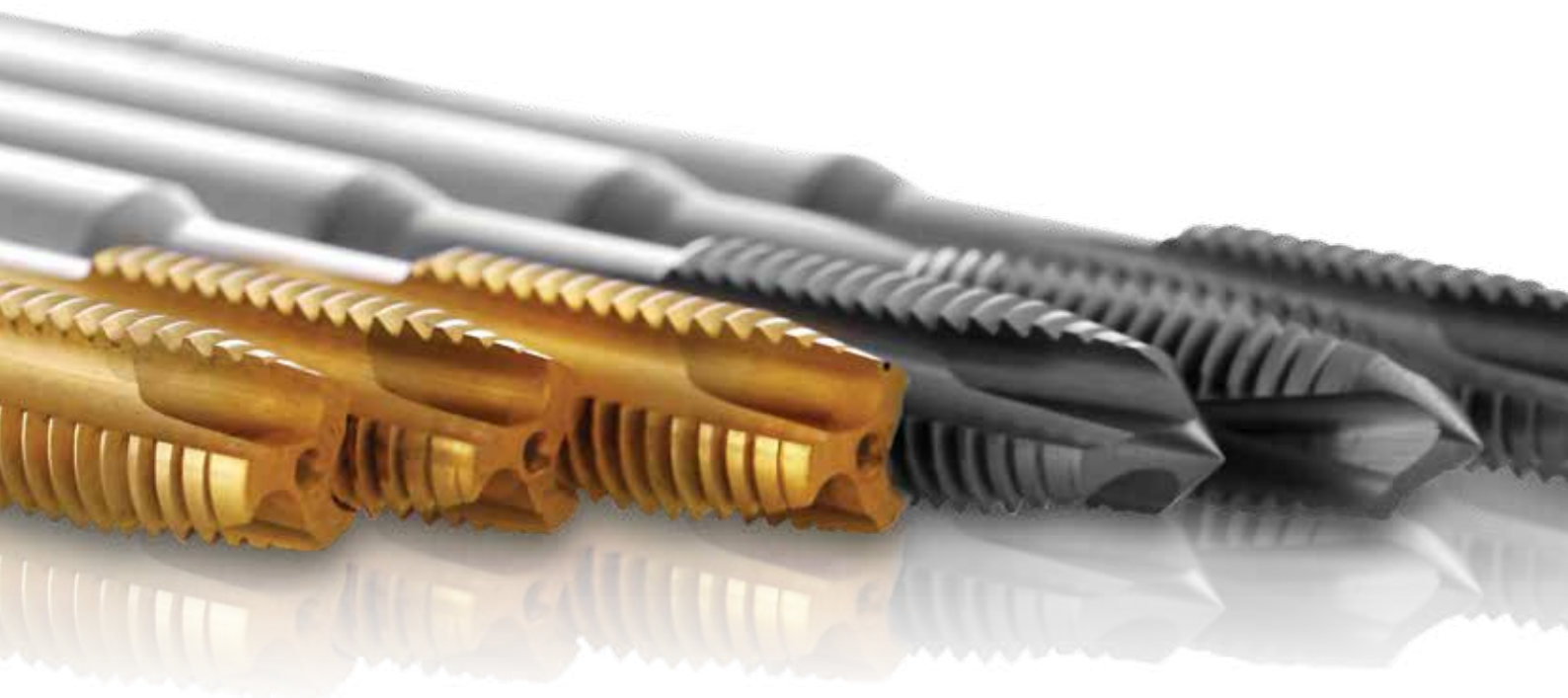




High Performance Cutting Tools



SPIRAL POINT TAPS
SA SERIES

CONTENTS



SPIRAL POINT TAPS

SERIES	THREAD FORM	LENGTH STANDARD	WORKPIECE MATERIAL	1ST CHOICE	2ND CHOICE	TOOL MATERIAL	COATING	PAGE
SA1	M	DIN 371/ DIN 376	Steel	P0, N4	N1, N2	HSSE	Bright	1.005
SA3	M	DIN 371/ DIN 376	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	M	DIN 371/ DIN 376	Steel	P0-P3	K1,K2	HSSE	TiAlN	
SAF3	M	DIN 371/ DIN 376	Forged Steel	P1 P2	-	HSSE	TiN	1.006
SAF5	M	DIN 371/ DIN 376	Forged Steel	P1- P3	-	HSSE	TiCN	
SAF7	M	DIN 371/ DIN 376	Forged Steel	P2-P3	-	HSSE	AlCrN	
SAS3	M	DIN 371/ DIN 376	Stainless Steel	M1	-	HSSE	TiN	1.007
SAS5	M	DIN 371/ DIN 376	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	M	DIN 371/ DIN 376	Stainless Steel	M1- M3	-	HSSE	TiAlN+WC/C	
SAI6	M	DIN 371/ DIN 376	Super Alloys	S1- S4	-	HSSE-PM	TiAlN+WC/C	1.008
SAF5	M	DIN 371/ DIN 376	Forged Steel	P2-P3	-	HSSE-PM	TiCN	1.009
SAF7	M	DIN 371/ DIN 376	Forged Steel	P2-P4	-	HSSE-PM	AlCrN	
SA1	MF	DIN 374	Steel	P0, N4	N1, N2	HSSE	Bright	1.010
SA3	MF	DIN 374	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	MF	DIN 374	Steel	P0-P3	K1,K2	HSSE	TiAlN	
SAF3	MF	DIN 374	Forged Steel	P1 P2	-	HSSE	TiN	1.011
SAF5	MF	DIN 374	Forged Steel	P1- P3	-	HSSE	TiCN	
SAF7	MF	DIN 374	Forged Steel	P2-P3	-	HSSE	AlCrN	
SAS3	MF	DIN 374	Stainless Steel	M1	-	HSSE	TiN	1.012
SAS5	MF	DIN 374	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	MF	DIN 374	Stainless Steel	M1- M3	-	HSSE	TiAlN+WC/C	
SAI6	MF	DIN 374	Super Alloy	S1- S4	-	HSSE-PM	TiAlN+WC/C	1.013
SA1	UNC	DIN 371/ DIN 376	Steel	P0, N4	N1, N2	HSSE	Bright	1.014
SA3	UNC	DIN 371/ DIN 376	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	UNC	DIN 371/ DIN 376	Steel	P0-P3	K1,K2	HSSE	TiAlN	

CONTENTS



SPIRAL POINT TAPS

SERIES	THREAD FORM	LENGTH STANDARD	WORKPIECE MATERIAL	1ST CHOICE	2ND CHOICE	TOOL MATERIAL	COATING	PAGE
SAS3	UNC	DIN 371/ DIN 376	Stainless Steel	M1	-	HSSE	TiN	1.015
SAS5	UNC	DIN 371/ DIN 376	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	UNC	DIN 371/ DIN 376	Stainless Steel	M1- M3	-	HSSE	TiAIN+WC/C	
SA1	UNF	DIN 374	Steel	P0, N4	N1, N2	HSSE	Bright	1.016
SA3	UNF	DIN 374	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	UNF	DIN 374	Steel	P0-P3	K1,K2	HSSE	TiAIN	
SAS3	UNF	DIN 374	Stainless Steel	M1	-	HSSE	TiN	1.017
SAS5	UNF	DIN 374	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	UNF	DIN 374	Stainless Steel	M1- M3	-	HSSE	TiAIN+WC/C	
SA1	M	ISO 529	Steel	P0, N4	N1, N2	HSSE	Bright	1.018
SA3	M	ISO 529	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	M	ISO 529	Steel	P0-P3	K1,K2	HSSE	TiAIN	
SAF3	M	ISO 529	Forged Steel	P1 P2	-	HSSE	TiN	1.019
SAF5	M	ISO 529	Forged Steel	P1- P3	-	HSSE	TiCN	
SAF7	M	ISO 529	Forged Steel	P2-P3	-	HSSE	AlCrN	
SAS3	M	ISO 529	Stainless Steel	M1	-	HSSE	TiN	1.020
SAS5	M	ISO 529	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	M	ISO 529	Stainless Steel	M1- M3	-	HSSE	TiAIN+WC/C	
SAI6	M	ISO 529	Super Alloys	S1- S4	-	HSSE-PM	TiAIN+WC/C	1.021
SAF5	M	ISO 529	Forged Steel	P2-P3	-	HSSE-PM	TiCN	1.022
SAF7	M	ISO 529	Forged Steel	P2-P4	-	HSSE-PM	AlCrN	
SA1	MF	ISO 529	Steel	P0, N4	N1, N2	HSSE	Bright	1.023
SA3	MF	ISO 529	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	MF	ISO 529	Steel	P0-P3	K1,K2	HSSE	TiAIN	

CONTENTS



SPIRAL POINT TAPS

SERIES	THREAD FORM	LENGTH STANDARD	WORKPIECE MATERIAL	1ST CHOICE	2ND CHOICE	TOOL MATERIAL	COATING	PAGE
SAF3	MF	ISO 529	Forged Steel	P1 P2	-	HSSE	TiN	1.024
SAF5	MF	ISO 529	Forged Steel	P1- P3	-	HSSE	TiCN	
SAF7	MF	ISO 529	Forged Steel	P2-P3	-	HSSE	AlCrN	
SAS3	MF	ISO 529	Stainless Steel	M1	-	HSSE	TiN	1.025
SAS5	MF	ISO 529	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	MF	ISO 529	Stainless Steel	M1- M3	-	HSSE	TiAlN+WC/C	
SAI6	MF	ISO 529	Super Alloy	S1- S4	-	HSSE-PM	TiAlN+WC/C	1.026
SA1	UNC	ISO 529	Steel	P0, N4	N1, N2	HSSE	Bright	1.027
SA3	UNC	ISO 529	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	UNC	ISO 529	Steel	P0-P3	K1,K2	HSSE	TiAlN	
SAS3	UNC	ISO 529	Stainless Steel	M1	-	HSSE	TiN	1.028
SAS5	UNC	ISO 529	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	UNC	ISO 529	Stainless Steel	M1- M3	-	HSSE	TiAlN+WC/C	
SA1	UNF	ISO 529	Steel	P0, N4	N1, N2	HSSE	Bright	1.029
SA3	UNF	ISO 529	Steel	P0, P1	K2, K3	HSSE	TiN	
SA4	UNF	ISO 529	Steel	P0-P3	K1,K2	HSSE	TiAlN	
SAS3	UNF	ISO 529	Stainless Steel	M1	-	HSSE	TiN	1.030
SAS5	UNF	ISO 529	Stainless Steel	M1, M2	-	HSSE	TiCN	
SAS6	UNF	ISO 529	Stainless Steel	M1- M3	-	HSSE	TiAlN+WC/C	
SA1	M	JIS	Steel	P0, N4	N1-N2	HSSE	Bright	1.031
SA4	M	JIS	Steel	P0-P3	K1-K2	HSSE	TiAlN	
SPPT	M	ISO 529	General	-	-	HSS	Bright	1.032
SPPT	M	ISO 529	General	-	-	HSS	TiN	



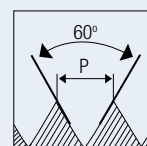
Silver cut

Spiral Point Taps

HSS TAPS



Metric coarse threads



HOLE TYPE

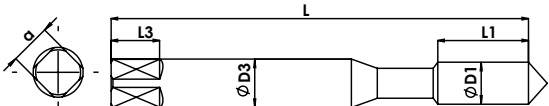
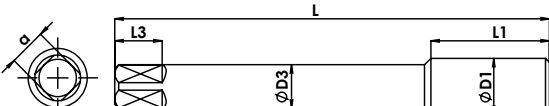


HSS-E

DIN 371/376

6HX



 Reinforced Shank DIN371 (M3 - M10)  Reduced Shank DIN376 (M12 - M20)																
									SA1		SA3		SA4			
									P0, N4		P0-P1		P0-P3			
									N1-N2		K2-K3		K1-K2			
									Bright		TiN		TiAlN			
DIN 371									Coating		Bright		TiN		TiAlN	
Nominal Diameter		Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.		EDP No.		EDP No.		
ØD1		p	L	L1	ØD3	a	L3	Ød1		EDP No.		EDP No.		EDP No.		
M 3		0.5	56	11	3.5	2.7	6	2.5	3	FAB0203112		FAB0203123		FAB0204205		
M 3.5		0.6	56	12	4	3	6	2.9	3	FAB0203113		FAB0203124		FAB0204206		
M 4		0.7	63	13	4.5	3.4	6	3.3	3	FAB0203114		FAB0203125		FAB0204207		
M 5		0.8	70	16	6	4.9	7	4.2	3	FAB0203115		FAB0203126		FAB0204208		
M 6		1	80	19	6	4.9	7	5	3	FAB0203116		FAB0203127		FAB0204209		
M 8		1.25	90	22	8	6.2	9	6.8	3	FAB0203118		FAB0203129		FAB0204210		
M 10		1.5	100	24	10	8	11	8.5	3	FAB0203119		FAB0203130		FAB0204211		

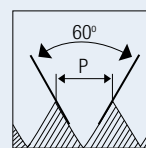
DIN 376	Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute
	M 12	1.75	110	28	9	7	10	10.2	3
	M 14	2	110	30	11	9	12	12	3
	M 16	2	110	32	12	9	12	14	3
	M 18	2.5	125	34	14	11	14	15.5	4
	M 20	2.5	140	34	16	12	15	17.5	4

Unit : mm



M

Metric coarse threads



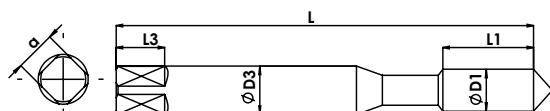
HOLE TYPE



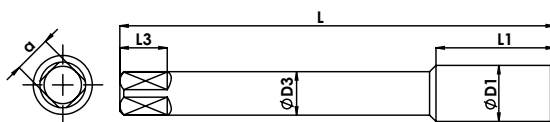
HSS-E

DIN
371/376

6HX



Reinforced Shank DIN371 (M3 - M10)



Reduced Shank DIN376 (M12 - M20)



							Series		SAF3	SAF5	SAF7
							Material - 1 st choice		P1-P2	P1-P3	P2-P3
							Material - 2 nd choice		-	-	-
							Coating		TiN	TiCN	AlCrN
DIN 371									EDP No.	EDP No.	EDP No.
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute			
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 3	0.5	56	11	3.5	2.7	6	2.5	3	FAB0204217	FAB0204229	FAB0204740
M 3.5	0.6	56	12	4	3	6	2.9	3	FAB0204218	FAB0204230	FAB0205280
M 4	0.7	63	13	4.5	3.4	6	3.3	3	FAB0204219	FAB0204231	FAB0204741
M 5	0.8	70	16	6	4.9	7	4.2	3	FAB0204220	FAB0204232	FAB0204742
M 6	1	80	19	6	4.9	7	5	3	FAB0204221	FAB0204233	FAB0204743
M 8	1.25	90	22	8	6.2	9	6.8	3	FAB0204222	FAB0204234	FAB0204744
M 10	1.5	100	24	10	8	11	8.5	3	FAB0204223	FAB0204235	FAB0204745

DIN 376											
M 12	1.75	110	28	9	7	10	10.2	3	FAB0204224	FAB0204236	FAB0204746
M 14	2	110	30	11	9	12	12	3	FAB0204225	FAB0204237	FAB0204747
M 16	2	110	32	12	9	12	14	3	FAB0204226	FAB0204238	FAB0204748
M 18	2.5	125	34	14	11	14	15.5	4	FAB0204227	FAB0204239	FAB0204948
M 20	2.5	140	34	16	12	15	17.5	4	FAB0204228	FAB0204240	FAB0204749

Unit : mm



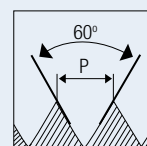
TOTEM Silver cut

Spiral Point Taps

HSS TAPS



Metric coarse threads



HOLE TYPE



HSS-E

DIN 371/376

6HX



Reinforced Shank DIN371 (M3 - M10) Reduced Shank DIN376 (M12 - M20)							DIN 371 DIN 376 DIN 371 DIN 376 DIN 371 DIN 376									
									Series		SAS3		SAS5		SAS6	
									Material - 1 st choice		M1		M1-M2		M1-M3	
									Material - 2 nd choice		-		-		-	
DIN 371							Coating		TiN		TiCN		TiAlN + WC/C			
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.		EDP No.		EDP No.			
ØD1	p	L	L1	ØD3	a	L3	Ød1									
M3	0.5	56	11	3.5	2.7	6	2.5	3	FAB0204675	FAB0204665	FAB0204778					
M 4	0.7	63	13	4.5	3.4	6	3.3	3	FAB0204676	FAB0204666	FAB0204779					
M 5	0.8	70	16	6	4.9	7	4.2	3	FAB0204677	FAB0204667	FAB0204780					
M 6	1	80	19	6	4.9	7	5	3	FAB0204678	FAB0204668	FAB0204781					
M 8	1.25	90	22	8	6.2	9	6.8	3	FAB0204679	FAB0204669	FAB0204782					
M 10	1.5	100	24	10	8	11	8.5	3	FAB0204680	FAB0204670	FAB0204783					

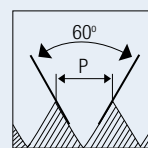
DIN 376												
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.	
ØD1	p	L	L1	ØD3	a	L3	Ød1					
M12	1.75	110	28	9	7	10	10.2	3	FAB0204681	FAB0204671	FAB0204784	
M14	2	110	30	11	9	12	12	3	FAB0204682	FAB0204672	FAB0204785	
M16	2	110	32	12	9	12	14	3	FAB0204683	FAB0204673	FAB0204786	
M18	2.5	125	34	14	11	14	15.5	4	FAB0205281	FAB0205282	FAB0205283	
M20	2.5	140	34	16	12	15	17.5	4	FAB0204684	FAB0204674	FAB0204897	

Unit : mm



M

Metric coarse threads

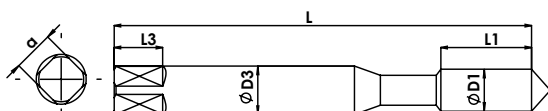


HOLE TYPE

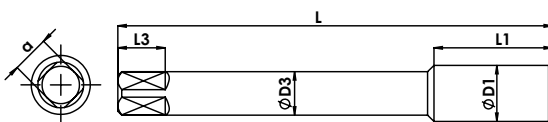
HSS-E
PMDIN
371/376

6HX

B/4-4.5P



Reinforced Shank DIN371 (M3 - M10)



Reduced Shank DIN376 (M12)



									Series
									SAI6
									Material - 1 st choice
									S1-S4
									Material - 2 nd choice
									-
									Coating
									TiAIN + WC/C
DIN 371									EDP No.
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	
ØD1	p	L	L1	ØD3	a	L3	Ød1		
M 3	0.5	56	11	3.5	2.7	6	2.5	3	FAB0204694
M 4	0.7	63	13	4.5	3.4	6	3.3	3	FAB0204695
M 5	0.8	70	16	6	4.9	7	4.2	3	FAB0204696
M 6	1	80	19	6	4.9	7	5	3	FAB0204697
M 8	1.25	90	22	8	6.2	9	6.8	3	FAB0204698
M 10	1.5	100	24	10	8	11	8.5	3	FAB0204699

DIN 376									EDP No.
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	
ØD1	p	L	L1	ØD3	a	L3	Ød1		
M 12	1.75	110	28	9	7	10	10.2	3	FAB0204700

Unit : mm



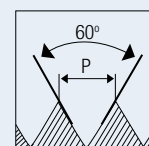
Silver cut

Spiral Point Taps

HSS TAPS



Metric coarse threads



HOLE TYPE

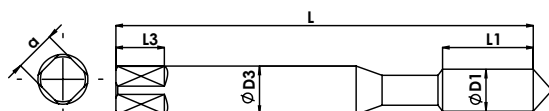


HSS-E
PM

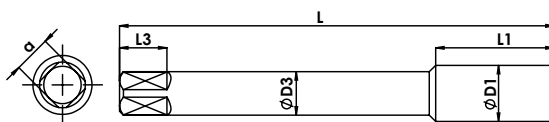
DIN
371/376

6HX

B/4-4.5P



Reinforced Shank DIN371 (M3 - M10)



Reduced Shank DIN376 (M12 - M16)

DIN 371

DIN 376

DIN 371

DIN 376

Series	SAF5	SAF7
Material - 1 st choice	P2-P3	P2-P4
Material - 2 nd choice	-	-
Coating	TiCN	AlCrN
EDP No.	EDP No.	EDP No.
M 3	FAB0205284	FAB0205293
M 4	FAB0205285	FAB0205294
M 5	FAB0205286	FAB0205295
M 6	FAB0205287	FAB0205296
M 8	FAB0205288	FAB0205297
M 10	FAB0205289	FAB0205298

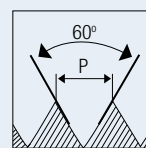
DIN 376										
M 12	1.75	110	28	9	7	10	10.2	3	FAB0205290	FAB0205299
M 14	2	110	30	11	9	12	12	3	FAB0205291	FAB0205300
M 16	2	110	32	12	9	12	14	3	FAB0205292	FAB0205301

Unit : mm



MF

Metric fine threads



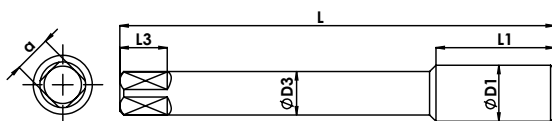
HOLE TYPE



HSS-E

DIN
374

6HX



Male Centre (M6 - M10)
Female Centre (M12 - M20)



							Series		SA1	SA3	SA4
							Material - 1 st choice		P0, N4	P0-P1	P0-P3
							Material - 2 nd choice		N1-N2	K2-K3	K1-K2
DIN 374							Coating		Bright	TiN	TiAlN
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 6	0.75	80	14	4.5	3.4	6	5.2	3	FAB0204241	FAB0204252	FAB0204263
M 8	1	90	18	6	4.9	7	7	3	FAB0204242	FAB0204253	FAB0204264
M 10	1.25	100	22	7	5.5	8	8.8	3	FAB0204243	FAB0204254	FAB0204265
M 10	1	90	18	7	5.5	8	9	3	FAB0204244	FAB0204255	FAB0204266
M 12	1.5	100	22	9	7	10	10.5	3	FAB0204245	FAB0204256	FAB0204267
M 12	1.25	100	22	9	7	10	10.8	3	FAB0204246	FAB0204257	FAB0204268
M 14	1.5	100	22	11	9	12	12.5	3	FAB0204247	FAB0204258	FAB0204269
M 14	1.25	100	22	11	9	12	12.8	3	FAB0204248	FAB0204259	FAB0204270
M 16	1.5	100	22	12	9	12	14.5	3	FAB0204249	FAB0204260	FAB0204271
M 18	1.5	110	25	14	11	14	16.5	4	FAB0204250	FAB0204261	FAB0204272
M 20	1.5	125	25	16	12	15	18.5	4	FAB0204251	FAB0204262	FAB0204273

Unit : mm

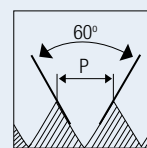


Spiral Point Taps

HSS TAPS

MF

Metric fine threads



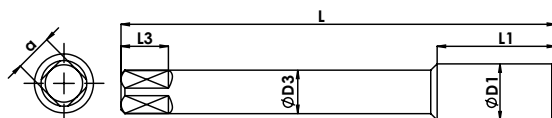
HOLE TYPE



HSS-E

DIN 374

6HX



Male Centre (M8 - M10)
Female Centre (M12 - M20)



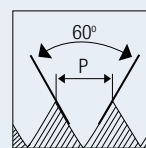
							Series		SAF3	SAF5	SAF7
							Material - 1 st choice		P1-P2	P1-P3	P2-P3
							Material - 2 nd choice		-	-	-
DIN 374							Coating		TiN	TiCN	AlCrN
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 8	1	90	18	6	4.9	7	7	3	FAB0204544	FAB0204550	FAB0204750
M 10	1.25	100	22	7	5.5	8	8.8	3	FAB0204545	FAB0204551	FAB0204751
M 10	1	90	18	7	5.5	8	9	3	FAB0204903	FAB0204929	FAB0204752
M 12	1.5	100	22	9	7	10	10.5	3	FAB0204547	FAB0204553	FAB0204753
M 12	1.25	100	22	9	7	10	10.8	3	FAB0204546	FAB0204552	FAB0204754
M 14	1.5	100	22	11	9	12	12.5	3	FAB0204548	FAB0203818	FAB0204755
M 16	1.5	100	22	12	9	12	14.5	3	FAB0204549	FAB0204555	FAB0204756
M 18	1.5	110	25	14	11	14	16.5	4	FAB0204904	FAB0204930	FAB0204757
M 20	1.5	125	25	16	12	15	18.5	4	FAB0204905	FAB0204931	FAB0204758

Unit : mm



MF

Metric fine threads



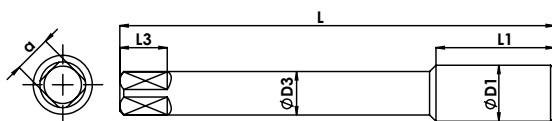
HOLE TYPE



HSS-E

DIN
374

6HX



Male Centre (M8 - M10)
Female Centre (M12 - M20)

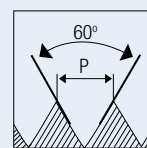


							Series		SAS3	SAS5	SAS6
							Material - 1 st choice		M1	M1-M2	M1-M3
							Material - 2 nd choice		-	-	-
DIN 374							Coating		TiN	TiCN	TiAIN + WC/C
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 8	1	90	18	6	4.9	7	7	3	FAB0204832	FAB0204858	FAB0204787
M 10	1.25	100	22	7	5.5	8	8.8	3	FAB0204834	FAB0204860	FAB0204788
M 10	1	90	18	7	5.5	8	9	3	FAB0204833	FAB0204859	FAB0204789
M 12	1.5	100	22	9	7	10	10.5	3	FAB0204836	FAB0204862	FAB0204790
M 12	1.25	100	22	9	7	10	10.8	3	FAB0204835	FAB0204861	FAB0204791
M 14	1.5	100	22	11	9	12	12.5	3	FAB0204837	FAB0204863	FAB0204792
M 16	1.5	100	22	12	9	12	14.5	3	FAB0204838	FAB0204864	FAB0204793
M 18	1.5	110	25	14	11	14	16.5	4	FAB0205302	FAB0205304	FAB0205306
M 20	1.5	125	25	16	12	15	18.5	4	FAB0205303	FAB0205305	FAB0205307

Unit : mm

MF

Metric fine threads



HOLE TYPE

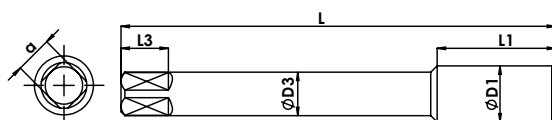


**HSS-E
PM**

**DIN
374**

6HX

B/4-4.5P



Male Centre (M8 - M10)
Female Centre (M12)



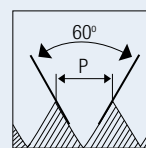
DIN 374							Series		SAI6
							Material - 1 st choice		S1-S4
							Material - 2 nd choice		-
							Coating		TiAlN + WC/C
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1		
M 8	1	90	18	6	4.9	7	7	3	
M 10	1.25	100	22	7	5.5	8	8.8	3	
M 10	1	90	18	7	5.5	8	9	3	
M 12	1.25	100	22	9	7	10	10.5	3	
M 12	1.5	100	22	9	7	10	10.8	3	FAB0204816

Unit : mm



UNC

Unified coarse threads



HOLE TYPE

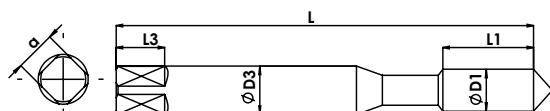


HSS-E

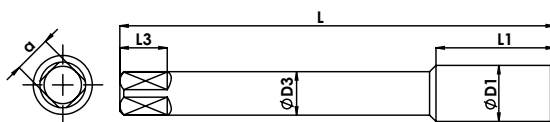
DIN
371/376

2B

B/4-4.5P



Reinforced Shank DIN371 (1/4" - 3/8")



Reduced Shank DIN376 (7/16" - 1")

DIN 371

DIN 376

DIN 371

DIN 376

DIN 371

DIN 376

Series

SA1

SA3

SA4

Material - 1st choice

P0, N4

P0-P1

P0-P3

Material - 2nd choice

N1-N2

K2-K3

K1-K2

Coating

Bright

TiN

TiAlN

DIN 371

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	20	80	19	7	5.5	8	5.1	3	FAB0204274	FAB0204283	FAB0204292
5/16"	18	90	22	8	6.2	9	6.6	3	FAB0204275	FAB0204284	FAB0204293
3/8"	16	100	24	10	8	11	8	3	FAB0204276	FAB0204285	FAB0204294

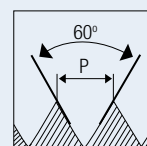
DIN 376

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
7/16"	14	100	24	8	6.2	9	9.4	3	FAB0204277	FAB0204286	FAB0204295
1/2"	13	110	28	9	7	10	10.8	3	FAB0204278	FAB0204287	FAB0204296
5/8"	11	110	32	12	9	12	13.5	3	FAB0204279	FAB0204288	FAB0204297
3/4"	10	125	34	14	11	14	16.5	4	FAB0204280	FAB0204289	FAB0204298
7/8"	9	140	34	18	14.5	17	19.5	4	FAB0204281	FAB0204290	FAB0204299
1"	8	160	38	18	14.5	17	22.25	4	FAB0204282	FAB0204291	FAB0204300

Unit : mm

UNC

Unified coarse threads



HOLE TYPE

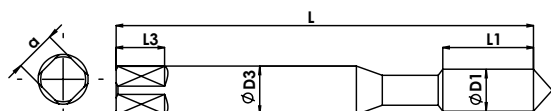


HSS-E

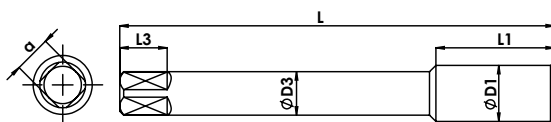
DIN
371/376

2B

B/4-4.5P



Reinforced Shank DIN371 (1/4" - 3/8")



Reduced Shank DIN376 (7/16" - 1")

DIN 371

DIN 376

DIN 371

DIN 376

DIN 371

DIN 376

Series

SAS3

SAS5

SAS6

Material - 1st choice

M1

M1-M2

M1-M3

Material - 2nd choice

-

-

-

Coating

TiN

TiCN

TiAlN + WC/C

DIN 371

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	20	80	19	7	5.5	8	5.1	3	FAB0205308	FAB0205317	FAB0205326
5/16"	18	90	22	8	6.2	9	6.6	3	FAB0205309	FAB0205318	FAB0205327
3/8"	16	100	24	10	8	11	8	3	FAB0205310	FAB0205319	FAB0205328

DIN 376

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
7/16"	14	110	24	8	6.2	9	9.4	3	FAB0205311	FAB0205320	FAB0205329
1/2"	13	110	28	9	7	10	10.8	3	FAB0205312	FAB0205321	FAB0205330
5/8"	11	110	32	12	9	12	13.6	3	FAB0205313	FAB0205322	FAB0205331
3/4"	10	125	34	14	11	14	16.5	4	FAB0205314	FAB0205323	FAB0205332
7/8"	9	140	34	18	14.5	17	19.6	4	FAB0205315	FAB0205324	FAB0205333
1"	8	160	38	18	14.5	17	22.3	4	FAB0205316	FAB0205325	FAB0205334

Unit : mm

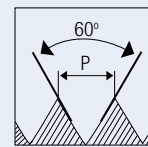


Silver cut

Spiral Point Taps

UNF

Unified fine threads



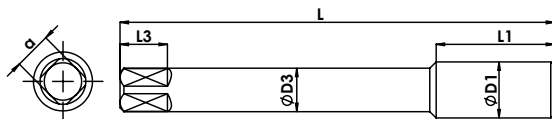
HOLE TYPE



HSS-E

DIN
374

2B



Male Centre (1/4" - 3/8")
Female Centre (7/16" - 1")



							Series		SA1	SA3	SA4
							Material - 1 st choice		P0, N4	P0-P1	P0-P3
							Material - 2 nd choice		N1-N2	K2-K3	K1-K2
DIN 374							Coating		Bright	TiN	TiAIN
Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	28	80	19	4.5	3.4	6	5.5	3	FAB0204301	FAB0204310	FAB0204319
5/16"	24	90	22	6	4.9	8	6.9	3	FAB0204302	FAB0204311	FAB0204320
3/8"	24	90	20	7	5.5	8	8.5	3	FAB0204303	FAB0204312	FAB0204321
7/16"	20	90	20	8	6.2	9	9.9	3	FAB0204304	FAB0204313	FAB0204322
1/2"	20	100	22	9	7	10	11.5	3	FAB0204305	FAB0204314	FAB0204323
5/8"	18	100	22	12	9	12	14.5	3	FAB0204306	FAB0204315	FAB0204324
3/4"	16	110	25	14	11	14	17.5	4	FAB0204307	FAB0204316	FAB0204325
7/8"	14	125	25	18	14.5	17	20.5	4	FAB0204308	FAB0204317	FAB0204326
1"	12	140	28	18	14.5	17	23.3	4	FAB0204309	FAB0204318	FAB0204327

Unit : mm

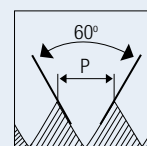


Spiral Point Taps

HSS TAPS

UNF

Unified fine threads



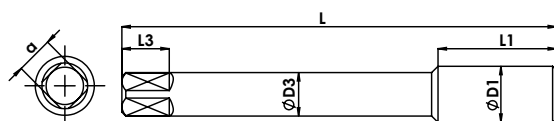
HOLE TYPE



HSS-E

DIN 374

2B



Male Centre (1/4" - 3/8")
Female Centre (7/16" - 1")



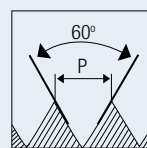
							Series		SAS3	SAS5	SAS6
							Material - 1 st choice		M1	M1-M2	M1-M3
							Material - 2 nd choice		-	-	-
DIN 374							Coating		TiN	TiCN	TiAlN + WC/C
Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	28	80	19	4.5	3.4	6	5.5	3	FAB0205335	FAB0205344	FAB0205353
5/16"	24	90	22	6	4.9	8	6.9	3	FAB0205336	FAB0205345	FAB0205354
3/8"	24	90	20	7	5.5	8	8.5	3	FAB0205337	FAB0205346	FAB0205355
7/16"	20	90	20	8	6.2	9	9.9	3	FAB0205338	FAB0205347	FAB0205356
1/2"	20	100	22	9	7	10	11.5	3	FAB0205339	FAB0205348	FAB0205357
5/8"	18	100	22	12	9	12	14.5	3	FAB0205340	FAB0205349	FAB0205358
3/4"	16	110	25	14	11	14	17.5	4	FAB0205341	FAB0205350	FAB0205359
7/8"	14	125	25	18	14.5	17	20.5	4	FAB0205342	FAB0205351	FAB0205360
1"	12	140	28	18	14.5	17	23.3	4	FAB0205343	FAB0205352	FAB0205361

Unit : mm



M

Metric coarse threads



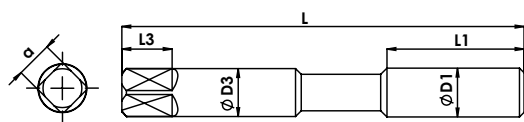
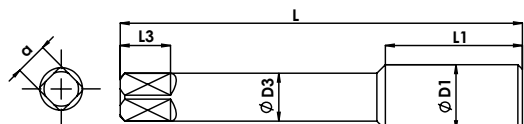
HOLE TYPE



HSS-E

ISO
529

6HX

Reinforced Shank (M3 - M10)
Male Centre upto M5

Reduced Shank (M12 - M20)



							Series		SA1	SA3	SA4
							Material - 1 st choice		P0, N4	P0-P1	P0-P3
							Material - 2 nd choice		N1-N2	K2-K3	K1-K2
ISO529 / IS 6175 Part 2							Coating		Bright	TiN	TiAlN
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 3	0.5	48	11	3.15	2.5	5	2.5	3	FAB0200647	FAB0200648	FAB0203044
M 3.5	0.6	50	13	3.55	2.8	5	2.9	3	FAB0200653	FAB0200654	FAB0203045
M 4	0.7	53	13	4	3.15	6	3.3	3	FAB0200659	FAB0200661	FAB0200662
M 5	0.8	58	16	5	4	7	4.2	3	FAB0200671	FAB0200673	FAB0203046
M 6	1	66	19	6.3	5	8	5	3	FAB0200682	FAB0200684	FAB0200685
M 7	1	66	19	7.1	5.6	8	6	3	FAB0203033	FAB0203040	FAB0203047
M 8	1.25	72	22	8	6.3	9	6.8	3	FAB0200694	FAB0200696	FAB0200697
M 10	1.5	80	24	10	8	11	8.5	3	FAB0200718	FAB0200720	FAB0200721

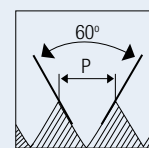
ISO529 / IS 6175 Part 3									EDP No.	EDP No.	EDP No.
M 12	1.75	89	29	9	7.1	10	10.2	3	FAB0200749	FAB0200751	FAB0203052
M 14	2	95	30	11.2	9	12	12	3	FAB0200778	FAB0200780	FAB0203054
M 16	2	102	32	12.5	10	13	14	3	FAB0200799	FAB0200801	FAB0203055
M 18	2.5	112	37	14	11.2	14	15.5	4	FAB0203037	FAB0203043	FAB0203057
M 20	2.5	112	37	14	11.2	14	17.5	4	FAB0203039	FAB0200810	FAB0203059

Unit : mm



M

Metric coarse threads



HOLE TYPE



HSS-E

ISO
529

6HX



Reinforced Shank (M3 - M10)
Male Centre upto M5

Reduced Shank (M12 - M20)

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

									Series	SAF3	SAF5	SAF7
									Material - 1 st choice	P1-P2	P1-P3	P2-P3
									Material - 2 nd choice	-	-	-
ISO529 / IS 6175 Part 2									Coating	TiN	TiCN	AlCrN
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.	EDP No.	
ØD1	p	L	L1	ØD3	a	L3	Ød1					
M 3	0.5	48	11	3.15	2.5	5	2.5	3	FAB0203060	FAB0203077	FAB0205124	
M 3.5	0.6	50	13	3.55	2.8	5	2.9	3	FAB0205116	FAB0205120	FAB0205125	
M 4	0.7	53	13	4	3.15	6	3.3	3	FAB0203061	FAB0203078	FAB0205126	
M 5	0.8	58	16	5	4	7	4.2	3	FAB0203062	FAB0203079	FAB0205127	
M 6	1	66	19	6.3	5	8	5	3	FAB0203063	FAB0203080	FAB0205128	
M 7	1	66	19	7.1	5.6	8	6	3	FAB0205117	FAB0205121	FAB0205129	
M 8	1.25	72	22	8	6.3	9	6.8	3	FAB0203065	FAB0203082	FAB0205130	
M 10	1.5	80	24	10	8	11	8.5	3	FAB0203068	FAB0203085	FAB0205131	

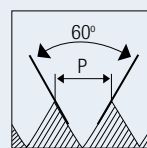
ISO529 / IS 6175 Part 3											
M 12	1.75	89	29	9	7.1	10	10.2	3	FAB0203070	FAB0203087	FAB0205132
M 14	2	95	30	11.2	9	12	12	3	FAB0203072	FAB0203089	FAB0205133
M 16	2	102	32	12.5	10	13	14	3	FAB0203074	FAB0203091	FAB0205134
M 18	2.5	112	37	14	11.2	14	15.5	4	FAB0205118	FAB0205122	FAB0205135
M 20	2.5	112	37	14	11.2	14	17.5	4	FAB0205119	FAB0205123	FAB0205136

Unit : mm



M

Metric coarse threads



HOLE TYPE

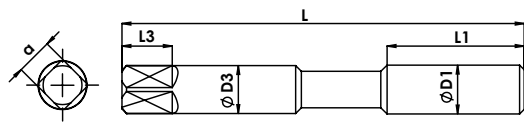
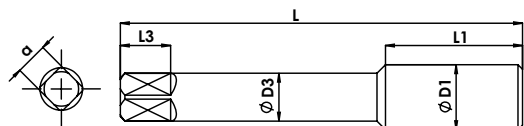


HSS-E

ISO
529

6HX

B/4-4.5P

Reinforced Shank (M3 - M10)
Male Centre upto M5

Reduced Shank (M12 - M16)

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



Series									SAS3	SAS5	SAS6
Material - 1 st choice									M1	M1-M2	M1-M3
Material - 2 nd choice									-	-	-
Coating									TiN	TiCN	TiAlN + WC/C
ISO529 / IS 6175 Part 2									EDP No.	EDP No.	EDP No.
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute			
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 3	0.5	48	11	3.15	2.5	5	2.5	3	FAB0203094	FAB0203103	FAB0205137
M 4	0.7	53	13	4	3.15	6	3.3	3	FAB0203095	FAB0203104	FAB0205138
M 5	0.8	58	16	5	4	7	4.2	3	FAB0203096	FAB0203105	FAB0205139
M 6	1	66	19	6.3	5	8	5	3	FAB0203097	FAB0203106	FAB0205140
M 8	1.25	72	22	8	6.3	9	6.8	3	FAB0203098	FAB0203107	FAB0205141
M 10	1.5	80	24	10	8	11	8.5	3	FAB0203099	FAB0203108	FAB0205142

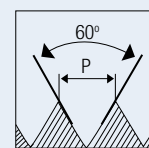
ISO529 / IS 6175 Part 3											
M 12	1.75	89	29	9	7.1	10	10.2	3	FAB0203100	FAB0203109	FAB0205143
M 14	2	95	30	11.2	9	12	12	3	FAB0203101	FAB0203110	FAB0205144
M 16	2	102	32	12.5	10	13	14	3	FAB0203102	FAB0203111	FAB0205145

Unit : mm



M

Metric coarse threads

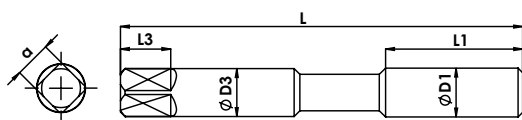
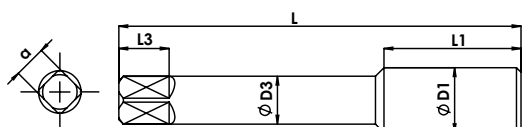


HOLE TYPE

HSS-E
PMISO
529

6HX

B/4-4.5P

Reinforced Shank (M3 - M10)
Male Centre upto M5

Reduced Shank (M12 - M16)

IS 6175 Part 2

IS 6175 Part 3



							Series	SAI6	
							Material - 1 st choice	S1-S4	
							Material - 2 nd choice	-	
ISO529 / IS 6175 Part 2							Coating	TiAlN + WC/C	
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1		
M 3	0.5	48	11	3.15	2.5	5	2.5	3	FAB0204712
M 4	0.7	53	13	4	3.15	6	3.3	3	FAB0204713
M 5	0.8	58	16	5	4	7	4.2	3	FAB0204714
M 6	1	66	19	6.3	5	8	5	3	FAB0204715
M 8	1.25	72	22	8	6.3	9	6.8	3	FAB0204716
M 10	1.5	80	24	10	8	11	8.5	3	FAB0204717

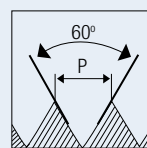
ISO529 / IS 6175 Part 3									
M 12	1.75	89	29	9	7.1	10	10.2	3	FAB0204718
M 14	2	95	30	11.2	9	12	12	3	FAB0204719
M 16	2	102	32	12.5	10	13	14	3	FAB0204720

Unit : mm



M

Metric coarse threads

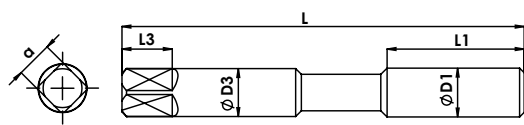
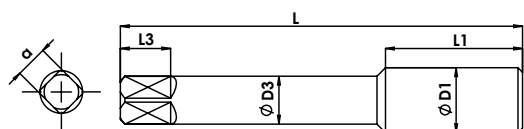


HOLE TYPE

HSS-E
PMISO
529

6HX

B/4-4.5P

Reinforced Shank (M3 - M10)
Male Centre upto M5

Reduced Shank (M12 - M16)

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

Series		SAF5	SAF7
Material - 1 st choice		P2-P3	P2-P4
Material - 2 nd choice		-	-
Coating		TiCN	AlCrN
Tapping Drill Diameter	No of Flute	EDP No.	EDP No.
Ød1			
2.5	3	FAB0205146	FAB0205155
3.3	3	FAB0205147	FAB0205156
4.2	3	FAB0205148	FAB0205157
5	3	FAB0205149	FAB0205158
6.8	3	FAB0205150	FAB0205159
8.5	3	FAB0205151	FAB0205160

ISO529 / IS 6175 Part 2

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1			
M 3	0.5	48	11	3.15	2.5	5	2.5	3	FAB0205146	FAB0205155
M 4	0.7	53	13	4	3.15	6	3.3	3	FAB0205147	FAB0205156
M 5	0.8	58	16	5	4	7	4.2	3	FAB0205148	FAB0205157
M 6	1	66	19	6.3	5	8	5	3	FAB0205149	FAB0205158
M 8	1.25	72	22	8	6.3	9	6.8	3	FAB0205150	FAB0205159
M 10	1.5	80	24	10	8	11	8.5	3	FAB0205151	FAB0205160

ISO529 / IS 6175 Part 3

M 12	1.75	89	29	9	7.1	10	10.2	3	FAB0205152	FAB0205161
M 14	2	95	30	11.2	9	12	12	3	FAB0205153	FAB0205162
M 16	2	102	32	12.5	10	13	14	3	FAB0205154	FAB0205163

Unit : mm



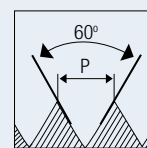
Silver cut

Spiral Point Taps

HSS TAPS

MF

Metric fine threads



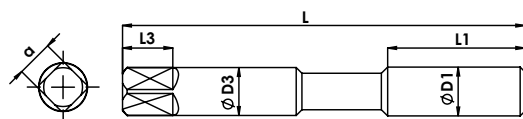
HOLE TYPE



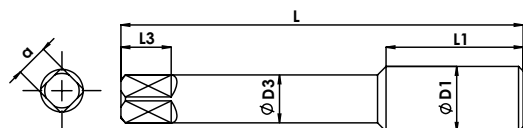
HSS-E

ISO
529

6HX



Reinforced Shank (M8 - M10)



Reduced Shank (M12 - M20)

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



Series

SA1

SA3

SA4

Material - 1st choice

P0, N4

P0-P1

P0-P3

Material - 2nd choice

N1-N2

K2-K3

K1-K2

Coating

Bright

TiN

TiAlN

ISO529 / IS 6175 Part 2

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No. of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 8	1	69	19	8	6.3	9	7	3	FAB0203034	FAB0203041	FAB0203048
M 10	1	76	20	10	8	11	9	3	FAB0203035	FAB0200702	FAB0203049
M 10	1.25	76	20	10	8	11	8.8	3	FAB0200708	FAB0200710	FAB0203050

ISO529 / IS 6175 Part 3

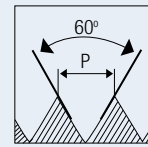
M 12	1.5	89	29	9	7.1	10	10.5	3	FAB0200738	FAB0200740	FAB0203051
M 14	1.5	95	30	11.2	9	12	12.5	3	FAB0200769	FAB0200771	FAB0203053
M 16	1.5	102	32	12.5	10	13	14.5	3	FAB0200787	FAB0200789	FAB0200790
M 18	1.5	104	29	14	11.2	14	16.5	4	FAB0203036	FAB0203042	FAB0203056
M 20	1.5	104	29	14	11.2	14	18.5	4	FAB0203038	FAB0200807	FAB0203058

Unit : mm



MF

Metric fine threads



HOLE TYPE

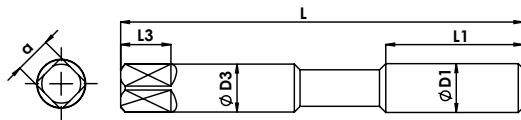


HSS-E

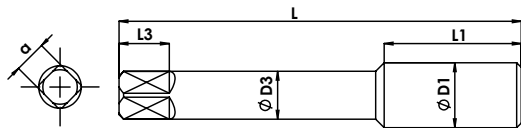
ISO
529

6HX

B/4-4.5P



Reinforced Shank (M8 - M10)



Reduced Shank (M12 - M20)

IS 6175 Part 2

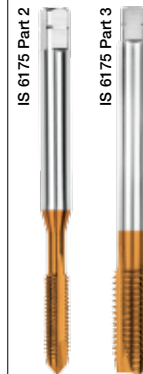
IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



Series

SAF3

SAF5

SAF7

Material - 1st choice

P1-P2

P1-P3

P2-P3

Material - 2nd choice

-

-

-

Coating

TiN

TiCN

AlCrN

ISO529 / IS 6175 Part 2

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter		EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
M 8	1	69	19	8	6.3	9	7	3	FAB0203064	FAB0203081	FAB0205164
M 10	1	76	20	10	8	11	9	3	FAB0203066	FAB0203083	FAB0205165
M 10	1.25	76	20	10	8	11	8.8	3	FAB0203067	FAB0203084	FAB0205166

ISO529 / IS 6175 Part 3

M 12	1.5	89	29	9	7.1	10	10.5	3	FAB0203069	FAB0203086	FAB0205167
M 14	1.5	95	30	11.2	9	12	12.5	3	FAB0203071	FAB0203088	FAB0205168
M 16	1.5	102	32	12.5	10	13	14.5	3	FAB0203073	FAB0203090	FAB0205169
M 18	1.5	104	29	14	11.2	14	16.5	4	FAB0203075	FAB0203092	FAB0205170
M 20	1.5	104	29	14	11.2	14	18.5	4	FAB0203076	FAB0203093	FAB0205171

Unit : mm



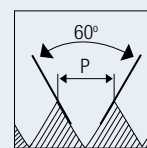
Silver cut

Spiral Point Taps

HSS TAPS

MF

Metric fine threads



HOLE TYPE



HSS-E

ISO
529

6HX



Reinforced Shank (M8 - M10) Reduced Shank (M12 - M20)									IS 6175 Part 2		IS 6175 Part 3		IS 6175 Part 2		IS 6175 Part 3		IS 6175 Part 2		IS 6175 Part 3	
									SAS3		SAS5		SAS6							
									M1		M1-M2		M1-M3							
									-		-		-							
ISO529 / IS 6175 Part 2									TiN		TiCN		TiAlN + WC/C							
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No. of Flutes	EDP No.		EDP No.		EDP No.							
ØD1	p	L	L1	ØD3	a	L3	Ød1													
M 8	1	69	19	8	6.3	9	7	3	FAB0205172		FAB0205180		FAB0205585							
M 10	1	76	20	10	8	11	9	3	FAB0205173		FAB0205181		FAB0205586							
M 10	1.25	76	20	10	8	11	8.8	3	FAB0205174		FAB0205182		FAB0205587							

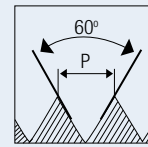
ISO529 / IS 6175 Part 3											
M 12	1.5	89	29	9	7.1	10	10.5	3	FAB0205175	FAB0205183	FAB0205588
M 14	1.5	95	30	11.2	9	12	12.5	3	FAB0205176	FAB0205184	FAB0205589
M 16	1.5	102	32	12.5	10	13	14.5	3	FAB0205177	FAB0205185	FAB0205590
M 18	1.5	104	29	14	11.2	14	16.5	4	FAB0205178	FAB0205186	FAB0205591
M 20	1.5	104	29	14	11.2	14	18.5	4	FAB0205179	FAB0205187	FAB0205592

Unit : mm



MF

Metric fine threads

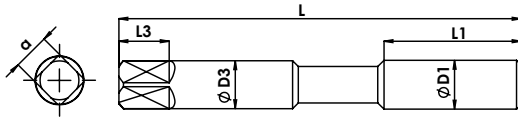


HOLE TYPE

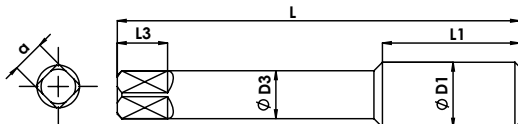
HSS-E
PMISO
529

6HX

B/4-4.5P



Reinforced Shank (M8 - M10)



Reduced Shank (M12 - M20)



							Series		SAI6	
							Material - 1 st choice		S1-S4	
							Material - 2 nd choice		-	
ISO529 / IS 6175 Part 2							Coating		TiAlN + WC/C	
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No. of Flutes	EDP No.	
ØD1	p	L	L1	ØD3	a	L3	Ød1			
M 8	1	69	19	8	6.3	9	7	3	FAB0205188	
M 10	1	76	20	10	8	11	9	3	FAB0205189	
M 10	1.25	76	20	10	8	11	8.8	3	FAB0205190	

ISO529 / IS 6175 Part 3									
M 12	1.5	89	29	9	7.1	10	10.5	3	FAB0205191
M 14	1.5	95	30	11.2	9	12	12.5	3	FAB0205192
M 16	1.5	102	32	12.5	10	13	14.5	3	FAB0205193
M 18	1.5	104	29	14	11.2	14	16.5	4	FAB0205194
M 20	1.5	104	29	14	11.2	14	18.5	4	FAB0205195

Unit : mm



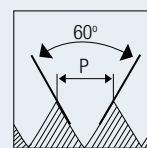
Silver cut

Spiral Point Taps

HSS TAPS

UNC

Unified coarse threads



HOLE TYPE

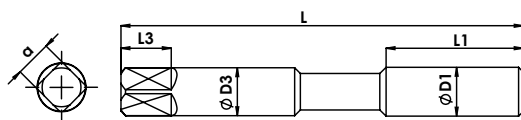


HSS-E

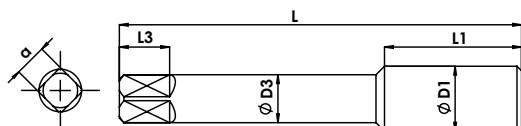
ISO
529

2B

B/4-4.5P



Reinforced Shank (1/4" - 3/8")



Reduced Shank (7/16" - 3/4")

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



							Series		SA1	SA3	SA4
							Material - 1 st choice		P0, N4	P0-P1	P0-P3
							Material - 2 nd choice		N1-N2	K2-K3	K1-K2
ISO529 / IS 6175 Part 2							Coating		Bright	TiN	TiAlN
Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No. of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	20	66	19	6.3	5	8	5.1	3	FAB0200573	FAB0200575	FAB0205196
5/16"	18	72	22	8	6.3	9	6.6	3	FAB0200582	FAB0200584	FAB0205197
3/8"	16	80	24	10	8	11	8	3	FAB0200593	FAB0200595	FAB0205198

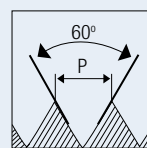
ISO529 / IS 6175 Part 3											
7/16"	14	85	25	8	6.3	9	9.4	3	FAB0200603	FAB0200605	FAB0205199
1/2"	13	89	29	9	7.1	10	10.8	3	FAB0200614	FAB0200616	FAB0205200
5/8"	11	102	32	12.5	10	13	13.5	3	FAB0200627	FAB0200629	FAB0200630
3/4"	10	112	37	14	11.2	14	16.5	4	FAB0200638	FAB0200640	FAB0205202

Unit : mm



UNC

Unified coarse threads



HOLE TYPE

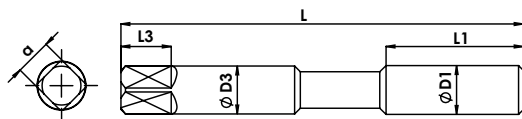


HSS-E

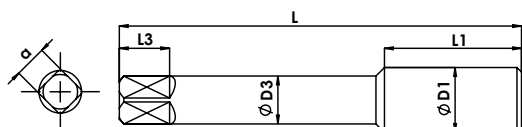
ISO
529

2B

B/4-4.5P



Reinforced Shank (1/4" - 3/8")



Reduced Shank (7/16" - 3/4")

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



Series

SAS3

SAS5

SAS6

Material - 1st choice

M1

M1-M2

M1-M3

Material - 2nd choice

-

-

-

Coating

TiN

TiCN

TiAlN + WC/C

ISO529 / IS 6175 Part 2

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No. of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	20	66	19	6.3	5	8	5.1	3	FAB0205217	FAB0205224	FAB0205231
5/16"	18	72	22	8	6.3	9	6.6	3	FAB0205218	FAB0205225	FAB0205232
3/8"	16	80	24	10	8	11	8	3	FAB0205219	FAB0205226	FAB0205233

ISO529 / IS 6175 Part 3

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No. of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
7/16"	14	85	25	8	6.3	9	9.4	3	FAB0205220	FAB0205227	FAB0205234
1/2"	13	89	29	9	7.1	10	10.8	3	FAB0205221	FAB0205228	FAB0205235
5/8"	11	102	32	12.5	10	13	13.5	3	FAB0205222	FAB0205229	FAB0205236
3/4"	10	112	37	14	11.2	14	16.5	4	FAB0205223	FAB0205230	FAB0205237

Unit : mm

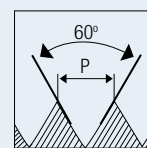


Silver cut

Spiral Point Taps

UNF

Unified fine threads



HOLE TYPE



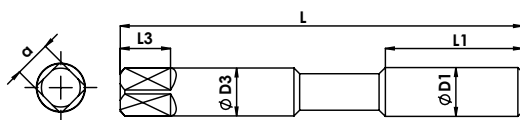
HSS-E

ISO
529

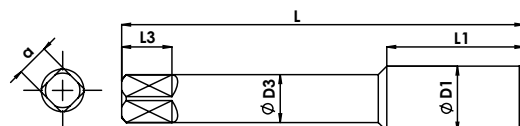
2B



HSS TAPS



Reinforced Shank (1/4" - 3/8")



Reduced Shank (7/16" - 3/4")

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



Series

SA1

SA3

SA4

Material - 1st choice

P0, N4

P0-P1

P0-P3

Material - 2nd choice

N1-N2

K2-K3

K1-K2

Coating

Bright

TiN

TiAlN

ISO529 / IS 6175 Part 2

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	28	66	19	6.3	5	8	5.5	3	FAB0200497	FAB0200499	FAB0205238
5/16"	24	69	19	8	6.3	9	6.9	3	FAB0200506	FAB0200508	FAB0205239
3/8"	24	76	20	10	8	11	8.5	3	FAB0200517	FAB0200519	FAB0205240

ISO529 / IS 6175 Part 3

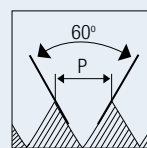
7/16"	20	82	22	8	6.3	9	9.9	3	FAB0200528	FAB0200530	FAB0205241
1/2"	20	84	24	9	7.1	10	11.5	3	FAB0200539	FAB0200541	FAB0205242
5/8"	18	95	25	12.5	10	13	14.5	3	FAB0200552	FAB0200554	FAB0205243
3/4"	16	104	29	14	11.2	14	17.5	4	FAB0200563	FAB0200565	FAB0205244

Unit : mm



UNF

Unified fine threads



HOLE TYPE

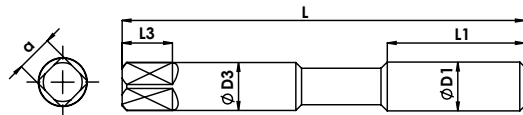


HSS-E

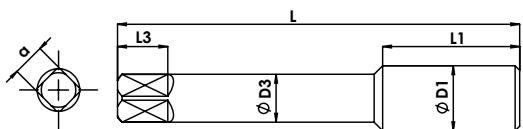
ISO
529

2B

B/4-4.5P



Reinforced Shank (1/4" - 3/8")



Reduced Shank (7/16" - 3/4")

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3

IS 6175 Part 2

IS 6175 Part 3



Series

SAS3

SAS5

SAS6

Material - 1st choice

M1

M1-M2

M1-M3

Material - 2nd choice

-

-

-

Coating

TiN

TiCN

TiAlN + WC/C

ISO529 / IS 6175 Part 2

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
1/4"	28	66	19	6.3	5	8	5.5	3	FAB0205259	FAB0205266	FAB0205273
5/16"	24	69	19	8	6.3	9	6.9	3	FAB0205260	FAB0205267	FAB0205274
3/8"	24	76	20	10	8	11	8.5	3	FAB0205261	FAB0205268	FAB0205275

ISO529 / IS 6175 Part 3

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flutes	EDP No.	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1				
7/16"	20	82	22	8	6.3	9	9.9	3	FAB0205262	FAB0205269	FAB0205276
1/2"	20	84	24	9	7.1	10	11.5	3	FAB0205263	FAB0205270	FAB0205277
5/8"	18	95	25	12.5	10	13	14.5	3	FAB0205264	FAB0205271	FAB0205278
3/4"	16	104	29	14	11.2	14	17.5	4	FAB0205265	FAB0205272	FAB0205279

Unit : mm



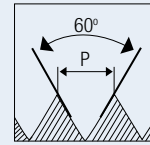
Silver cut

Spiral Point Taps

HSS TAPS

M/MF

Metric coarse & fine threads



HOLE TYPE



HSS-E

JIS

6HX



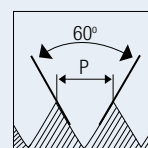
Reinforced Shank (M3 - M6) Male Centre upto M6 Reduced Shank (M8- M20)										
								Series	SA1	SA4
								Material - 1 st choice	P0, N4	P0-P3
								Material - 2 nd choice	N1-N2	K1-K2
JIS								Coating	Bright	TiAIN
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	EDP No.	EDP No.	
ØD1	p	L	L1	ØD3	a	L3	Ød1			
M 3	0.5	46	11	4	3.2	6	2.5	FAB0205072	FAB0205683	
M 4	0.7	52	13	5	4	7	3.3	FAB0205073	FAB0205614	
M 5	0.8	60	16	5.5	4.5	7	4.2	FAB0205074	FAB0205615	
M 6	1	62	19	6	4.5	7	5	FAB0205075	FAB0205616	
M 8	1.25	70	22	6.2	5	8	6.8	FAB0205076	FAB0205617	
M 8	1	70	22	6.2	5	8	7	FAB0205627	FAB0205618	
M 10	1.5	75	24	7	5.5	8	8.5	FAB0205077	FAB0205619	
M 10	1.25	75	24	7	5.5	8	8.8	FAB0206285	FAB0205620	
M 12	1.75	82	29	8.5	6.5	9	10.3	FAB0205078	FAB0205621	
M 12	1.5	82	29	8.5	6.5	9	10.5	FAB0205629	FAB0205622	
M 14	2	88	30	10.5	8	11	12	FAB0205630	FAB0205623	
M 16	2	95	32	12.5	10	13	14	FAB0205631	FAB0205624	
M 18	2.5	100	37	14	11	14	15.5	FAB0205632	FAB0205625	
M 20	2.5	105	37	15	12	15	17.5	FAB0205633	FAB0205626	

Unit : mm



M

Metric coarse threads

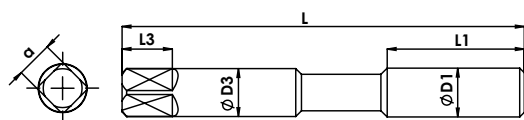


HOLE TYPE

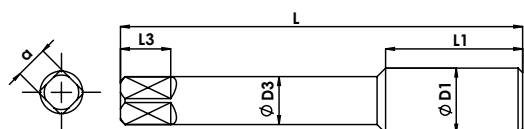


HSS

6H

ISO
529

Reinforced Shank (M3 - M10)
Male Centre upto M5



Reduced Shank (M12 - M20)



Coating

Bright

TiN

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flutes	EDP No.	EDP No.
ØD1	p	L	L1	ØD3	a	L3	Ød1			
M 3	0.5	48	11	3.15	2.5	5	2.5	2	FAA0201810	FAB0200135
M 3.5	0.6	50	13	3.55	2.8	5	2.9	2	FAA0201841	FAB0200139
M 4	0.7	53	13	4	3.15	6	3.3	2	FAA0201872	FAB0200145
M 5	0.8	58	16	5	4	7	4.2	2	FAA0201922	FAB0200154
M 6	1	66	19	6.3	5	8	5	2	FAA0201965	FAB0200163
M 7	1	66	19	7.1	5.6	8	6	3	FAA0201998	FAB0200167
M 8	1.25	72	22	8	6.3	9	6.8	3	FAA0202028	FAB0200173
M 10	1.5	80	24	10	8	11	8.5	3	FAA0202101	FAB0200186
M 12	1.75	89	29	9	7.1	10	10.2	3	FAA0202163	FAB0200200
M 14	2	95	30	11.2	9	12	12	3	FAA0202193	FAB0200207
M 16	2	102	32	12.5	10	13	14	3	FAA0202225	FAB0200216
M 18	2.5	112	37	14	11.2	14	15.5	4	FAA0202259	FAB0206711
M 20	2.5	112	37	14	11.2	14	17.5	4	FAA0202286	FAB0200225
M 24	3	130	45	18	14	18	21	4	FAA0202345	FAB0200234
M 27	3	135	45	20	16	20	24	4	FAA0202373	FAB0200238
M 30	3.5	138	48	20	16	20	26.5	4	FAA0202397	FAB0201224
M 36	4	162	57	25	20	24	32	4	FAA0202433	FAB0206712

Unit : mm