



DRILLING

Drilling Overview

Drill Holder

X-Drill Inserts (SYMx)

Square Drill Inserts (SPMX)

Triagonal Drilling Inserts (WCMX)

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X-Drill
at work.

Drilling Overview

Drilling Grades

Drilling Grades		P Steel					M Stainless steel					K Cast iron				
		P05	P15	P25	P35	P45	M05	M15	M25	M35	M45	K05	K15	K25	K35	K45
PVD	YG713			713					713					713		
	YG602			602					602					602		
	YG613				613					613						

<p>YG713</p> <p>P15 - P30 M15 - M30</p> <p>K15 - K30 H20 - H30</p>	<p>PVD - TiAlN</p>	<p>Drilling Grade for General Steel Application</p> <ul style="list-style-type: none"> Multi-layer TiAlN structure realizes stronger crater and flank wear resistance Fine-grained carbide and balanced substrate
<p>YG602</p> <p>P20 - P35 M20 - M40</p> <p>K20 - K40 S15 - S25</p>	<p>PVD - TiAlN</p>	<p>Universal grade for General Drilling Application</p> <ul style="list-style-type: none"> Ultra Dense PVD Coating with optimal thermal resistance & strength Sub-Micron substrate designed for demanding application
<p>YG613</p> <p>P30 - P50</p> <p>M30 - M50</p>	<p>PVD - TiAlN</p>	<p>Drilling Grade for Stainless Steel Application</p> <ul style="list-style-type: none"> New coating layer with lubrication preventing built-up edge on ultra fine grain substrate with high toughness. The toughest substrate provides excellent cutting performance in stainless steel

Universal Drilling Inserts

	4 Corner	SYMX Series	SYMX	05, 06, 07, 08 NEW 10, 11, 13, 15
	4 Corner	SPMX Series	SPMX	05, 06, 07, 09, 11, 14
	ISO 3 Corner	WCMX Series	WCMX	03, 04, 05, 06, 08

Drilling Chipbreakers

P	M	K		
	M		-ST	<ul style="list-style-type: none"> Sharp Geometry Sticky Material, Stainless Steel
P	M	K	General Inserts (No Description)	<ul style="list-style-type: none"> First Choice for General Application

Drilling - Inserts

X-Drill Inserts (SYMX)

Recommended Cutting Conditions : p.259

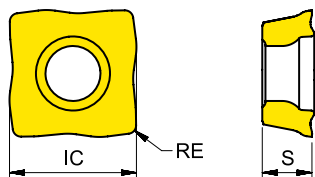
TURNING

PARTING & GROOVING

MILLING

DRILLING

TECHNICAL INFORMATION



Series	IC	S	Series	IC	S
SYMX 0502	4.97	2.35	SYMX 10T3	9.99	3.97
SYMX 0602	5.99	2.35	SYMX 1104	11.39	4.00
SYMX 07T2	7.01	2.80	SYMX 1304	13.00	4.76
SYMX 0803	8.30	3.20	SYMX 1505	15.50	5.00

EDP 3200..

SYMX	Designation	RE (mm)	Fn (mm/rev.)	P25	P20	P40
				M25	M20	M40
				K30	K20	M40
				YG602	YG713	YG613
	SYMX 050204	0.4	0.06~0.12		● 0097	● 0098
	SYMX 060204	0.4	0.06~0.12		● 0093	● 0095
	SYMX 07T206	0.6	0.06~0.12		● 0099	● 0100
	SYMX 080306	0.6	0.08~0.20		● 0101	● 0102
	SYMX 10T308	0.8	0.08~0.2		● 0107	● 0108
	SYMX 110408	0.8	0.08~0.2		● 0109	● 0110
	SYMX 130410	1.0	0.08~0.2		● 0111	● 0112
	SYMX 150512	1.2	0.08~0.22		● 0113	● 0114

SYMX
General

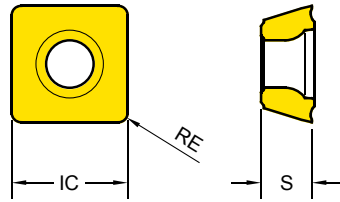


● : Stock item ○ : Order made item

Drilling - Inserts



Square Drill Inserts (SPMX)

Recommended Cutting Conditions : p.259



Series	IC	S
SPMX 0502	5.00	2.38
SPMX 0602	6.00	2.41
SPMX 07T3	7.94	3.97
SPMX 0904	9.80	4.30
SPMX 1104	11.50	4.80
SPMX 1405	14.30	5.20

EDP 3200..

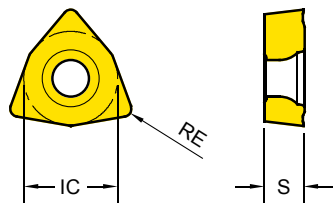
SPMX	Designation	RE (mm)	Fn (mm/rev.)	P25	P20	P40
				M25	M20	M40
				K30	K20	M40
				YG602	YG713	YG613
SPMX General 	SPMX 050204	0.4	0.07~0.14	● 0005	● 0062	● 0077
	SPMX 060204	0.4	0.08~0.14	● 0006	● 0063	● 0078
	SPMX 07T308	0.8	0.08~0.16	● 0007	● 0064	● 0061
	SPMX 090408	0.8	0.08~0.16	● 0008	● 0065	● 0079
	SPMX 110408	0.8	0.10~0.18	● 0009	● 0066	● 0080
	SPMX 140512	1.2	0.10~0.20	● 0010	● 0067	
-ST Stainless Steel 	SPMX 050204 - ST	0.4	0.03~0.10	● 0011		● 0070
	SPMX 060204 - ST	0.4	0.04~0.11	● 0012		● 0071
	SPMX 07T308 - ST	0.8	0.04~0.11	● 0013		● 0068
	SPMX 090408 - ST	0.8	0.05~0.12	● 0014		● 0072
	SPMX 110408 - ST	0.8	0.05~0.12			● 0073
	SPMX 140512 - ST	1.2	0.05~0.16			● 0074

● : Stock item ○ : Order made item

Drilling - Inserts

Triagonal Drill Inserts (WCMX)

Recommended Cutting Conditions : p.259



Series	IC	S
WCMX 0302	5.56	2.38
WCMX 0402	6.35	2.38
WCMX 0503	7.94	3.18
WCMX 06T3	9.53	3.97
WCMX 0804	12.70	4.76

EDP 3200..

WCMX	Designation	RE (mm)	Fn (mm/rev.)	P25	P20	P40
				M25	M20	M40
				K30	K20	M40
				YG602	YG713	YG613
	WCMX 030208	0.8	0.05~0.12	● 0031	● 0086	
	WCMX 040208	0.8	0.05~0.12	● 0003	● 0087	
	WCMX 050308	0.8	0.06~0.14	● 0001	● 0088	
	WCMX 06T308	0.8	0.08~0.14	● 0002	● 0089	
	WCMX 080412	1.2	0.08~0.14	● 0004	● 0090	● 0091

WCMX
General



● : Stock item ○ : Order made item

TURNING

PARTING & GROOVING

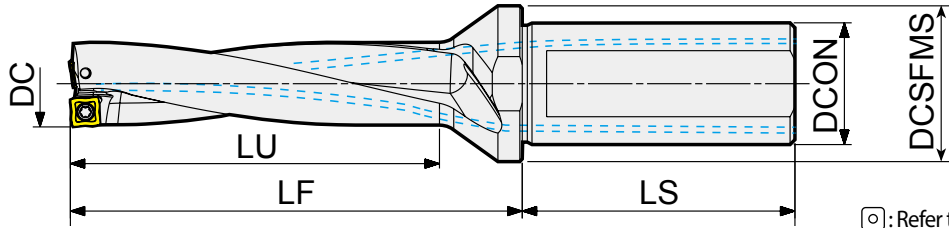
MILLING

DRILLING

TECHNICAL INFORMATION

Drilling - Drill Holder

X-Drill Holder (SYM05) (DC 14~16.5)



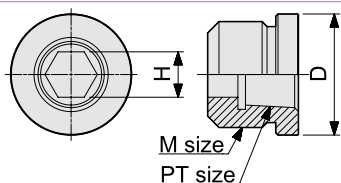
☐: Refer to p. 232

Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM050204	14	28	YGSY2 - 140S20 - 05	1019	46	96.0	20	25	50
		42	YGSY3 - 140S20 - 05	1031	60	110.0			
		56	YGSY4 - 140S20 - 05	1043	74	124.0			
		70	YGSY5 - 140S20 - 05	1055	88	141.5			
	14.5	30	YGSY2 - 145S20 - 05	1134	49	99.0			
		45	YGSY3 - 145S20 - 05	1149	64	114.0			
		60	YGSY4 - 145S20 - 05	1164	79	129.0			
	15	75	YGSY5 - 145S20 - 05	1179	94	144.0			
		30	YGSY2 - 150S20 - 05	1020	49	99.0			
		45	YGSY3 - 150S20 - 05	1032	64	114.0			
		60	YGSY4 - 150S20 - 05	1044	79	129.0			
	15.5	75	YGSY5 - 150S20 - 05	1056	94	146.5			
		32	YGSY2 - 155S20 - 05	1135	52	102.0			
		48	YGSY3 - 155S20 - 05	1150	68	118.0			
		64	YGSY4 - 155S20 - 05	1165	84	134.0			
	16	80	YGSY5 - 155S20 - 05	1180	100	150.0			
		32	YGSY2 - 160S20 - 05	1021	52	102.0			
		48	YGSY3 - 160S20 - 05	1033	68	118.0			
		64	YGSY4 - 160S20 - 05	1045	84	134.0			
	16.5	80	YGSY5 - 160S20 - 05	1057	100	151.5			
34		YGSY2 - 165S20 - 05	1136	54	104.0				
51		YGSY3 - 165S20 - 05	1151	72	122.0				
68		YGSY4 - 165S20 - 05	1166	89	139.0				
		85	YGSY5 - 165S20 - 05	1181	106	155.0			

► Refer to offset value and hole tolerance: p. 293

PLUG (DCON20)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M12-1/8	38000001	20	14	M12x1.0	PT 1/8	6

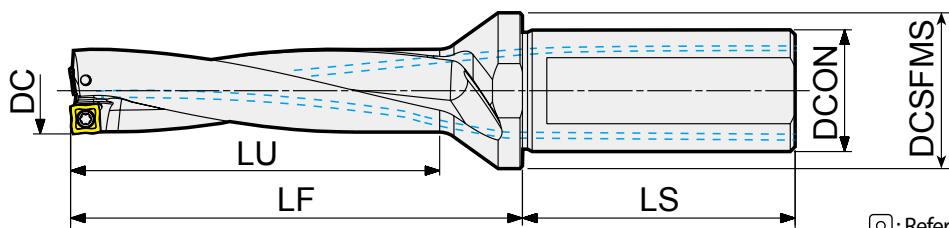
* Plug for turning lathe should be ordered separately.

* Clamping Torque (Nm) 0.6Nm

SYM05		Screw	Wrench
Description		TP062004-GS	TPWFTP06
EDP		18000252	18000262
Plug	DCON	Ø 20	Ø 25
	Description	PLUG M12-1/8	PLUG M14-1/8
	EDP	38000001	38000002
			Ø 32
			PLUG M22-1/4
			38000003

Drilling - Drill Holder

X-Drill Holder (SYM06) (DC 17~20.5)



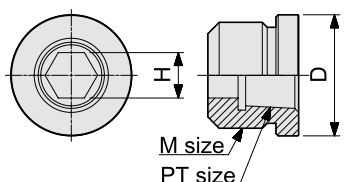
☐: Refer to p. 232 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM06	17	34	YGSY2 - 170S25 - 06	0851	54	96.0	25	32	56
		51	YGSY3 - 170S25 - 06	0855	71	110.0			
		68	YGSY4 - 170S25 - 06	0859	88	124.0			
		85	YGSY5 - 170S25 - 06	0863	105	141.5			
	17.5	36	YGSY2 - 175S25 - 06	1137	57	99.0			
		54	YGSY3 - 175S25 - 06	1152	75	114.0			
		72	YGSY4 - 175S25 - 06	1167	93	129.0			
	18	36	YGSY2 - 180S25 - 06	0852	57	99.0			
		54	YGSY3 - 180S25 - 06	0856	75	114.0			
		72	YGSY4 - 180S25 - 06	0860	93	129.0			
	18.5	90	YGSY5 - 175S25 - 06	1182	111	144.0			
		38	YGSY2 - 185S25 - 06	1138	59	102.0			
		57	YGSY3 - 185S25 - 06	1153	78	118.0			
	19	76	YGSY4 - 185S25 - 06	1168	97	134.0			
		95	YGSY5 - 185S25 - 06	1183	116	150.0			
		38	YGSY2 - 190S25 - 06	0853	59	102.0			
	19.5	57	YGSY3 - 190S25 - 06	0857	78	118.0			
		76	YGSY4 - 190S25 - 06	0861	97	134.0			
		95	YGSY5 - 190S25 - 06	0865	116	151.5			
	19.5	40	YGSY2 - 195S25 - 06	1139	63	104.0			
60		YGSY3 - 195S25 - 06	1154	83	122.0				
80		YGSY4 - 195S25 - 06	1169	103	139.0				
		100	YGSY5 - 195S25 - 06	1184	123	155.0			

▶ Refer to offset value and hole tolerance: p. 293

▶ NEXT PAGE

PLUG (DCON25)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M14-1/8	38000002	25	16	M14x1.0	PT 1/8	6

* Plug for turning lathe should be ordered separately.

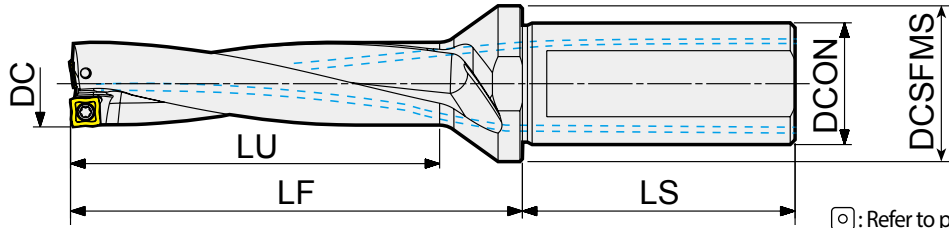
* Clamping Torque (Nm) 0.7Nm

SYM06	Screw	Wrench
Description	TP072205-GS	TPWFTP07
EDP	18000253	18000001

Plug	DCON	Ø 20	Ø 25	Ø 32
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4
	EDP	38000001	38000002	38000003

Drilling - Drill Holder

X-Drill Holder (SYM06) (DC 17~20.5)

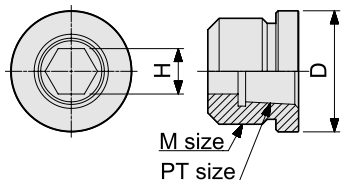


Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM06	20	40	YGSY2 - 200S25 - 06	0854	63	119.0	25	32	56
		60	YGSY3 - 200S25 - 06	0858	83	139.0			
		80	YGSY4 - 200S25 - 06	0862	103	159.0			
	20.5	100	YGSY5 - 200S25 - 06	0866	123	179.0			
		42	YGSY2 - 205S25 - 06	1140	65	121.0			
		63	YGSY3 - 205S25 - 06	1155	86	142.0			
		84	YGSY4 - 205S25 - 06	1170	107	163.0			
		105	YGSY5 - 205S25 - 06	1185	128	184.0			

► Refer to offset value and hole tolerance: p. 293

PLUG (DCON25)



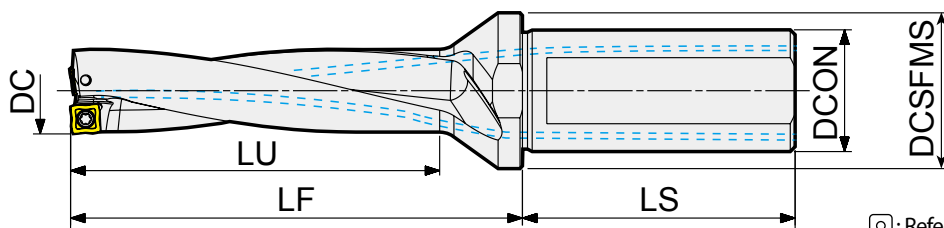
Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M14-1/8	38000002	25	16	M14x1.0	PT 1/8	6

* Plug for turning lathe should be ordered separately.

* Clamping Torque (Nm) 0.7Nm

SYM06		Screw	Wrench
Description		TP072205-GS	TPWFTP07
EDP		18000253	18000001
Plug	DCON	Ø 20	Ø 25
	Description	PLUG M12-1/8	PLUG M14-1/8
	EDP	38000001	38000002
			Ø 32
			PLUG M22-1/4
			38000003

X-Drill Holder (SYM07) (DC 21~23.5)

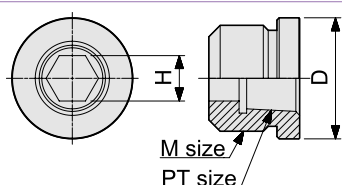


☐: Refer to p. 232 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM07T206	21	42	YGSY2 - 210S25 - 07	1022	65	121.0	25	32	56
		63	YGSY3 - 210S25 - 07	1034	86	142.0			
		84	YGSY4 - 210S25 - 07	1046	107	163.0			
		105	YGSY5 - 210S25 - 07	1058	128	184.0			
	21.5	44	YGSY2 - 215S25 - 07	1141	67	123.0			
		66	YGSY3 - 215S25 - 07	1156	89	145.0			
		88	YGSY4 - 215S25 - 07	1171	111	167.0			
	22	110	YGSY5 - 215S25 - 07	1186	133	189.0			
		44	YGSY2 - 220S25 - 07	1023	67	123.0			
		66	YGSY3 - 220S25 - 07	1035	89	145.0			
	22.5	88	YGSY4 - 220S25 - 07	1047	111	167.0			
		46	YGSY2 - 225S25 - 07	1142	68	124.0			
		69	YGSY3 - 225S25 - 07	1157	91	147.0			
	23	92	YGSY4 - 225S25 - 07	1172	114	170.0			
		115	YGSY5 - 225S25 - 07	1187	137	193.0			
		46	YGSY2 - 230S25 - 07	1024	68	124.0			
	23.5	69	YGSY3 - 230S25 - 07	1036	91	147.0			
		92	YGSY4 - 230S25 - 07	1048	114	170.0			
		115	YGSY5 - 230S25 - 07	1060	137	193.0			
	23.5	48	YGSY2 - 235S25 - 07	1143	71	127.0			
72		YGSY3 - 235S25 - 07	1158	94	150.0				
96		YGSY4 - 235S25 - 07	1173	118	174.0				
		120	YGSY5 - 235S25 - 07	1188	142	198.0			

▶ Refer to offset value and hole tolerance: p. 293

PLUG (DCON25)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M14-1/8	38000002	25	16	M14x1.0	PT 1/8	6

* Plug for turning lathe should be ordered separately.

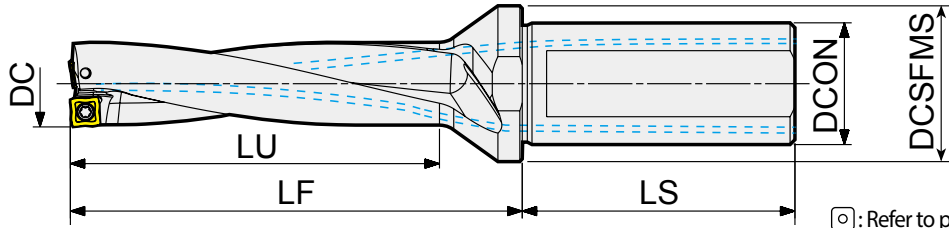
* Clamping Torque (Nm) 0.7Nm

SYM07	Screw	Wrench
Description	TP072205-GS	TPWFTP07
EDP	18000253	18000001

Plug	DCON	Ø 20	Ø 25	Ø 32
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4
	EDP	38000001	38000002	38000003

Drilling - Drill Holder

X-Drill Holder (SYM08) (DC 24~28.5)



☐: Refer to p. 232

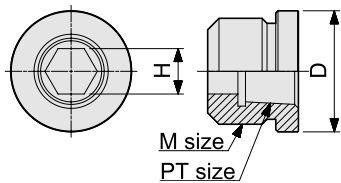
Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM080306	24	48	YGSY2 - 240S32 - 08	1025	70	130.0	32	40	60
		72	YGSY3 - 240S32 - 08	1037	94	154.0			
		96	YGSY4 - 240S32 - 08	1049	118	178.0			
		120	YGSY5 - 240S32 - 08	1061	142	202.0			
	24.5	50	YGSY2 - 245S32 - 08	1144	72	132.0			
		75	YGSY3 - 245S32 - 08	1159	97	157.0			
		100	YGSY4 - 245S32 - 08	1174	122	182.0			
		125	YGSY5 - 245S32 - 08	1189	147	207.0			
	25	50	YGSY2 - 250S32 - 08	1026	72	132.0			
		75	YGSY3 - 250S32 - 08	1038	97	157.0			
		100	YGSY4 - 250S32 - 08	1050	122	182.0			
		125	YGSY5 - 250S32 - 08	1062	147	207.0			
	25.5	52	YGSY2 - 255S32 - 08	1145	73	133.0			
		78	YGSY3 - 255S32 - 08	1160	99	159.0			
		104	YGSY4 - 255S32 - 08	1175	125	185.0			
		130	YGSY5 - 255S32 - 08	1190	151	211.0			
	26	52	YGSY2 - 260S32 - 08	1027	73	133.0			
		78	YGSY3 - 260S32 - 08	1039	99	159.0			
		104	YGSY4 - 260S32 - 08	1051	125	185.0			
		130	YGSY5 - 260S32 - 08	1063	151	211.0			

► Refer to offset value and hole tolerance: p. 293

► NEXT PAGE

PLUG (DCON32)



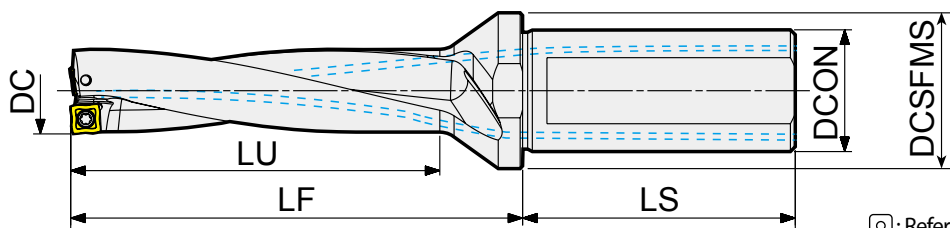
Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22-1/4	38000003	32	24	M22x1.25	PT 1/4	10

* Plug for turning lathe should be ordered separately.

* Clamping Torque (Nm) 1.2Nm

SYM08		Screw	Wrench
Description		TP072506-GS	TPWFTP07
EDP		18000261	18000001
Plug	DCON	Ø 20	Ø 25
	Description	PLUG M12-1/8	PLUG M14-1/8
	EDP	38000001	38000002
			Ø 32
			PLUG M22-1/4
			38000003

X-Drill Holder (SYM08) (DC 24~28.5)

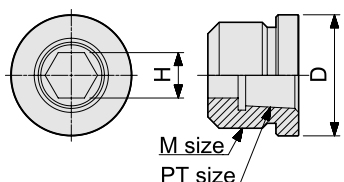


☐: Refer to p. 232 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM080306	26.5	54	YGSY2 - 265S32 - 08	1146	77	137.0	32	40	60
		81	YGSY3 - 265S32 - 08	1161	104	164.0			
		108	YGSY4 - 265S32 - 08	1176	131	191.0			
		135	YGSY5 - 265S32 - 08	1191	158	218.0			
	27	54	YGSY2 - 270S32 - 08	1028	77	137.0			
		81	YGSY3 - 270S32 - 08	1040	104	164.0			
		108	YGSY4 - 270S32 - 08	1052	131	191.0			
		135	YGSY5 - 270S32 - 08	1064	158	218.0			
	27.5	56	YGSY2 - 275S32 - 08	1147	79	139.0			
		84	YGSY3 - 275S32 - 08	1162	107	167.0			
		112	YGSY4 - 275S32 - 08	1177	135	195.0			
		140	YGSY5 - 275S32 - 08	1192	163	223.0			
	28	56	YGSY2 - 280S32 - 08	1029	79	139.0			
		84	YGSY3 - 280S32 - 08	1041	107	167.0			
		112	YGSY4 - 280S32 - 08	1053	135	195.0			
		140	YGSY5 - 280S32 - 08	1065	163	223.0			
	28.5	58	YGSY2 - 285S32 - 08	1148	81	141.0			
		87	YGSY3 - 285S32 - 08	1163	110	170.0			
		116	YGSY4 - 285S32 - 08	1178	139	199.0			
		145	YGSY5 - 285S32 - 08	1193	168	228.0			

▶ Refer to offset value and hole tolerance: p. 293

PLUG (DCON32)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22-1/4	38000003	32	24	M22x1.25	PT 1/4	10

* Plug for turning lathe should be ordered separately.

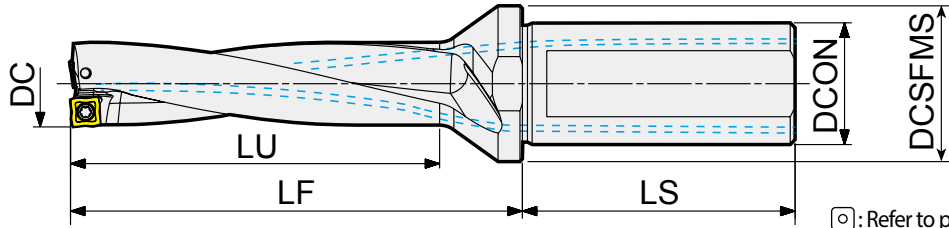
* Clamping Torque (Nm) 1.2Nm

SYM08	Screw	Wrench
Description	TP072506-GS	TPWFTP07
EDP	18000261	18000001

Plug	DCON	Ø 20	Ø 25	Ø 32
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4
	EDP	38000001	38000002	38000003

Drilling - Drill Holder

X-Drill Holder (SYMX10) (DC 29~33.5)



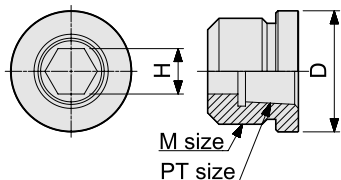
Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
29	58		YGSY2-290S32-10	1212	82	142.0	32	40	60
	87		YGSY3-290S32-10	1222	111	171.0			
	116		YGSY4-290S32-10	1232	140	200.0			
	145		YGSY5-290S32-10	1242	169	229.0			
29.5	60		YGSY2-295S32-10	1213	84	144.0			
	90		YGSY3-295S32-10	1223	114	174.0			
	120		YGSY4-295S32-10	1233	144	204.0			
	150		YGSY5-295S32-10	1243	174	234.0			
30	60		YGSY2-300S32-10	1214	84	144.0			
	90		YGSY3-300S32-10	1224	114	174.0			
	120		YGSY4-300S32-10	1234	144	204.0			
	150		YGSY5-300S32-10	1244	174	234.0			
30.5	62		YGSY2-305S32-10	1215	86	146.0			
	93		YGSY3-305S32-10	1225	117	177.0			
	124		YGSY4-305S32-10	1235	148	208.0			
	155		YGSY5-305S32-10	1245	179	239.0			
31	62		YGSY2-310S32-10	1216	86	146.0			
	93		YGSY3-310S32-10	1226	117	177.0			
	124		YGSY4-310S32-10	1236	148	208.0			
	155		YGSY5-310S32-10	1246	179	239.0			

NEW
SYM X
10T308

► Refer to offset value and hole tolerance: p. 293

► NEXT PAGE

PLUG (DCON32)



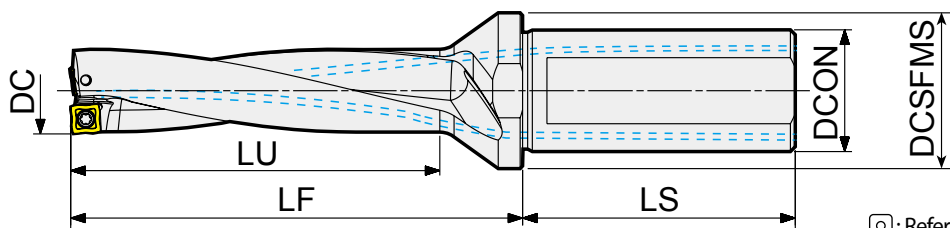
Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22-1/4	38000003	32	24	M22x1.25	PT 1/4	10

* Plug for turning lathe should be ordered separately.

* Clamping Torque (Nm) 2.0Nm

SYM X10		Screw		Wrench	
Description		TP103509-GS		TPWFTP10	
EDP		18000266		18000284	
Plug	DCON	Ø 20	Ø 25	Ø 32	Ø 40
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4	PLUG M26-1/4
	EDP	38000001	38000002	38000003	38000004

X-Drill Holder (SYMX10) (DC 29~33.5)



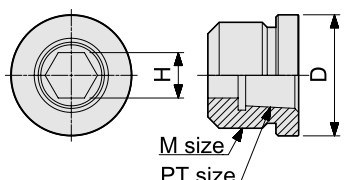
☐: Refer to p. 232 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
31.5	64		YGSY2-315S32-10	1217	88	148.0	32	40	60
	96		YGSY3-315S32-10	1227	120	180.0			
	128		YGSY4-315S32-10	1237	152	212.0			
	160		YGSY5-315S32-10	1247	184	244.0			
32	64		YGSY2-320S32-10	1218	88	148.0			
	96		YGSY3-320S32-10	1228	120	180.0			
	128		YGSY4-320S32-10	1238	152	212.0			
	160		YGSY5-320S32-10	1248	184	244.0			
32.5	66		YGSY2-325S32-10	1219	89	149.0			
	99		YGSY3-325S32-10	1229	122	182.0			
	132		YGSY4-325S32-10	1239	155	215.0			
33	165		YGSY5-325S32-10	1249	188	248.0			
	66		YGSY2-330S32-10	1220	89	149.0			
	99		YGSY3-330S32-10	1230	122	182.0			
	132		YGSY4-330S32-10	1240	155	215.0			
33.5	165		YGSY5-330S32-10	1250	188	248.0			
	68		YGSY2-335S32-10	1221	90	150.0			
	102		YGSY3-335S32-10	1231	124	184.0			
	136		YGSY4-335S32-10	1241	158	218.0			
			170		YGSY5-335S32-10	1251	192	252.0	

NEW
SYMX
10T308

▶ Refer to offset value and hole tolerance: p. 293

PLUG (DCON32)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22-1/4	38000003	32	24	M22x1.25	PT 1/4	10

* Plug for turning lathe should be ordered separately.

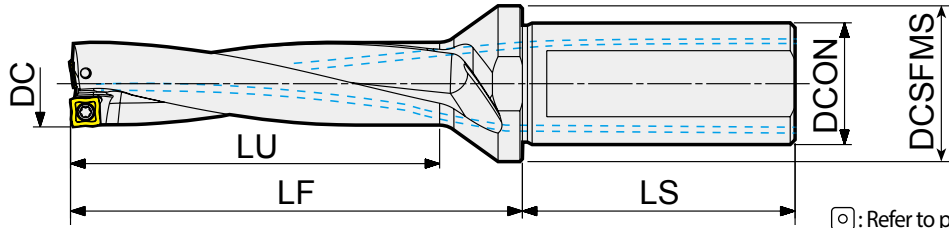
* Clamping Torque (Nm) 2.0Nm

SYMX10	Screw	Wrench
Description	TP103509-GS	TPWFTP10
EDP	18000266	18000284

Plug	DCON	Ø 20	Ø 25	Ø 32	Ø 40
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4	PLUG M26-1/4
EDP	38000001	38000002	38000003	38000004	

Drilling - Drill Holder

X-Drill Holder (SYMX11) (DC 34~38)



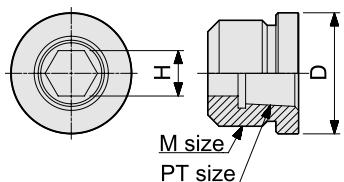
Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
34	68		YGSY2-340S40-11	1252	94	164.0	40	50	70
	102		YGSY3-340S40-11	1257	128	198.0			
	136		YGSY4-340S40-11	1262	162	232.0			
	170		YGSY5-340S40-11	1267	196	266.0			
35	70		YGSY2-350S40-11	1253	96	166.0			
	105		YGSY3-350S40-11	1258	131	201.0			
	140		YGSY4-350S40-11	1263	166	236.0			
	175		YGSY5-350S40-11	1268	201	271.0			
36	72		YGSY2-360S40-11	1254	98	168.0			
	108		YGSY3-360S40-11	1259	134	204.0			
	144		YGSY4-360S40-11	1264	170	240.0			
	180		YGSY5-360S40-11	1269	206	276.0			
37	74		YGSY2-370S40-11	1255	99	169.0			
	111		YGSY3-370S40-11	1260	136	206.0			
	148		YGSY4-370S40-11	1265	173	243.0			
	185		YGSY5-370S40-11	1270	210	280.0			
38	76		YGSY2-380S40-11	1256	101	171.0			
	114		YGSY3-380S40-11	1261	139	209.0			
	152		YGSY4-380S40-11	1266	177	247.0			
	190		YGSY5-380S40-11	1271	215	285.0			

NEW
SYM X
110408

► Refer to offset value and hole tolerance: p. 293

PLUG (DCON40)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M26-1/4	38000004	40	28	M26x1.25	PT 1/4	10

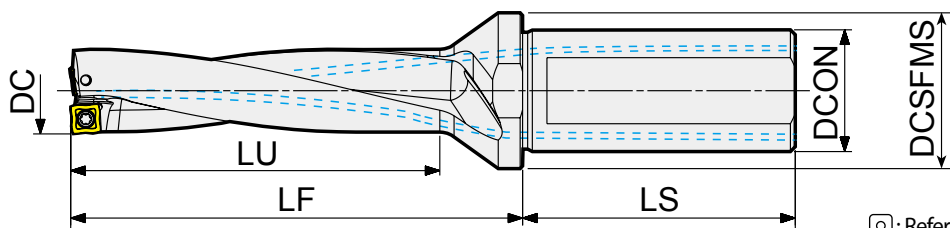
* Plug for turning lathe should be ordered separately.

* Clamping Torque (Nm) 2.0Nm

SYM X11		Screw		Wrench	
Description		TP103509-GS		TPWFTP10	
EDP		18000266		18000284	
Plug	DCON	Ø 20	Ø 25	Ø 32	Ø 40
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4	PLUG M26-1/4
	EDP	38000001	38000002	38000003	38000004

Drilling - Drill Holder

X-Drill Holder (SYMX13) (DC 39~44)



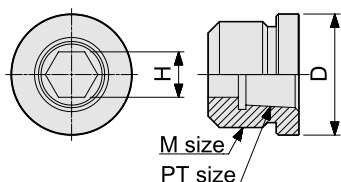
: Refer to p. 232 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
39	78		YGSY2-390S40-13	1326	104	174.0	40	50	70
	117		YGSY3-390S40-13	1332	143	213.0			
	156		YGSY4-390S40-13	1338	182	252.0			
	195		YGSY5-390S40-13	1344	221	291.0			
40	80		YGSY2-400S40-13	1327	106	176.0			
	120		YGSY3-400S40-13	1333	146	216.0			
	160		YGSY4-400S40-13	1339	186	256.0			
	200		YGSY5-400S40-13	1345	226	296.0			
41	82		YGSY2-410S40-13	1328	108	178.0			
	123		YGSY3-410S40-13	1334	149	219.0			
	164		YGSY4-410S40-13	1340	190	260.0			
	205		YGSY5-410S40-13	1346	231	301.0			
42	84		YGSY2-420S40-13	1329	110	180.0			
	126		YGSY3-420S40-13	1335	152	222.0			
	168		YGSY4-420S40-13	1341	194	264.0			
	210		YGSY5-420S40-13	1347	236	306.0			
43	86		YGSY2-430S40-13	1330	112	182.0			
	129		YGSY3-430S40-13	1336	155	225.0			
	172		YGSY4-430S40-13	1342	198	268.0			
	215		YGSY5-430S40-13	1348	241	311.0			
44	88		YGSY2-440S50-13	1331	114	184.0			
	132		YGSY3-440S50-13	1337	158	228.0			
	176		YGSY4-440S50-13	1343	202	272.0			
	220		YGSY5-440S50-13	1349	246	316.0			

NEW
SYMX
130410

▶ Refer to offset value and hole tolerance: p. 293

PLUG (DCON40)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M26-1/4	38000004	40	28	M26x1.25	PT 1/4	10

* Plug for turning lathe should be ordered separately.

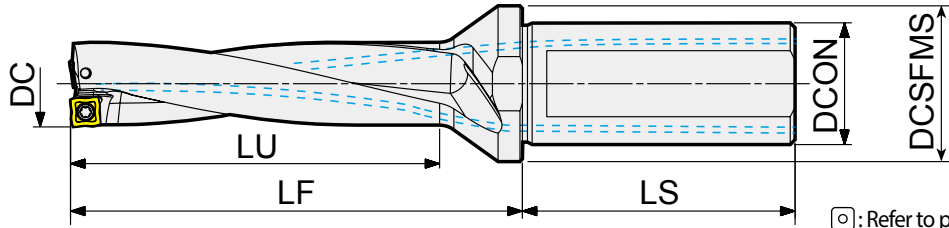
* Clamping Torque (Nm) 3.0Nm

SYMX13	Screw	Wrench
Description	TP154010-HS	TPWFTP15
EDP	18000232	18000003

Plug	DCON	Ø 20	Ø 25	Ø 32	Ø 40
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4	PLUG M26-1/4
EDP	38000001	38000002	38000003	38000004	

Drilling - Drill Holder

X-Drill Holder (SYMX15) (DC 45~50)



☐: Refer to p. 232

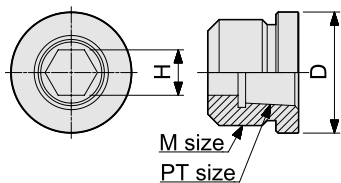
Unit: mm

NEW
SYM X
150512

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
45	90		YGSY2-450S40-15	1350	125	195.0	40	60	70
	135		YGSY3-450S40-15	1356	170	240.0			
	180		YGSY4-450S40-15	1362	215	285.0			
	225		YGSY5-450S40-15	1368	260	330.0			
46	92		YGSY2-460S40-15	1351	127	197.0			
	138		YGSY3-460S40-15	1357	173	243.0			
	184		YGSY4-460S40-15	1363	219	289.0			
	230		YGSY5-460S40-15	1369	265	335.0			
47	94		YGSY2-470S40-15	1352	129	199.0			
	141		YGSY3-470S40-15	1358	176	246.0			
	188		YGSY4-470S40-15	1364	223	293.0			
	235		YGSY5-470S40-15	1370	270	340.0			
48	96		YGSY2-480S40-15	1353	131	201.0			
	144		YGSY3-480S40-15	1359	179	249.0			
	192		YGSY4-480S40-15	1365	227	297.0			
	240		YGSY5-480S40-15	1371	275	345.0			
49	98		YGSY2-490S40-15	1354	133	203.0			
	147		YGSY3-490S40-15	1360	182	252.0			
	196		YGSY4-490S40-15	1366	231	301.0			
	245		YGSY5-490S40-15	1372	280	350.0			
50	100		YGSY2-500S40-15	1355	135	205.0			
	150		YGSY3-500S40-15	1361	185	255.0			
	200		YGSY4-500S40-15	1367	235	305.0			
	250		YGSY5-500S40-15	1373	285	355.0			

► Refer to offset value and hole tolerance: p. 293

PLUG (DCON40)



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M26-1/4	38000004	40	28	M26x1.25	PT 1/4	10

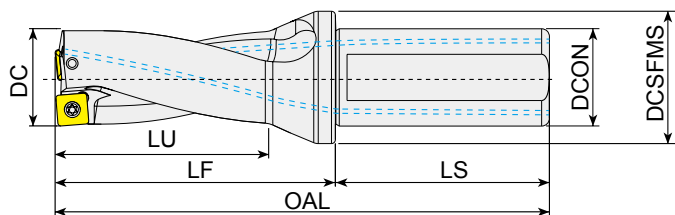
* Plug for turning lathe should be ordered separately.

* Clamping Torque (Nm) 3.5Nm

SYM X15		Screw		Wrench	
Description		T20590D		TWFT20	
EDP		18000182		18000036	
Plug	DCON	Ø 20	Ø 25	Ø 32	Ø 40
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4	PLUG M26-1/4
	EDP	38000001	38000002	38000003	38000004

Drilling - Drill Holder

Square Drill Holder (SPMX05) (DC 13~15)



☐: Refer to p. 233 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SPMX 050204	13	26	YGSP2 - 13S20F026 - 05	0001	44	94	20	25	50
		39	YGSP3 - 13S20F039 - 05	0004	57	107			
		65	YGSP5 - 13S20F065 - 05	0007	83	133			
	14	28	YGSP2 - 14S20F028 - 05	0002	46	96			
		42	YGSP3 - 14S20F042 - 05	0005	60	110			
		70	YGSP5 - 14S20F070 - 05	0008	88	138			
	15	30	YGSP2 - 15S20F030 - 05	0003	48	98			
		45	YGSP3 - 15S20F045 - 05	0006	63	113			
		75	YGSP5 - 15S20F075 - 05	0009	93	143			

* Call for us DC size increments of 0.5

TURNING

PARTING & GROOVING

MILLING

DRILLING

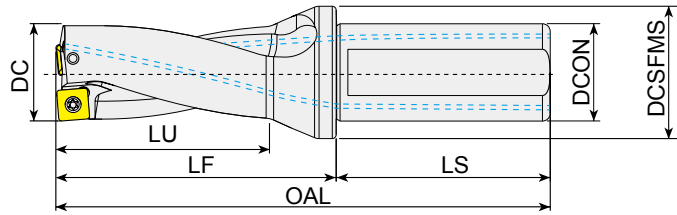
TECHNICAL INFORMATION

* Clamping Torque (Nm) 0.6Nm

SPMX05	Screw	Wrench
Description	T062043D	TWFT06
EDP	18000177	18000031

Drilling - Drill Holder

Square Drill Holder (SPMX06) (DC 16~21)



: Refer to p. 233

Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SPMX 060204	16	32	YGSP2 - 16S25F032 - 06	0010	53	109	25	32	56
		48	YGSP3 - 16S25F048 - 06	0016	69	125			
		80	YGSP5 - 16S25F080 - 06	0022	101	157			
	17	34	YGSP2 - 17S25F034 - 06	0011	55	111			
		51	YGSP3 - 17S25F051 - 06	0017	72	128			
		85	YGSP5 - 17S25F085 - 06	0023	106	162			
	18	36	YGSP2 - 18S25F036 - 06	0012	57	113			
		54	YGSP3 - 18S25F054 - 06	0018	75	131			
		90	YGSP5 - 18S25F090 - 06	0024	111	167			
	19	38	YGSP2 - 19S25F038 - 06	0013	59	115			
		57	YGSP3 - 19S25F057 - 06	0019	78	134			
		95	YGSP5 - 19S25F095 - 06	0025	116	172			
	20	40	YGSP2 - 20S25F040 - 06	0014	62	118			
		60	YGSP3 - 20S25F060 - 06	0020	82	138			
		100	YGSP5 - 20S25F100 - 06	0026	122	178			
	21	42	YGSP2 - 21S25F042 - 06	0015	64	120			
		63	YGSP3 - 21S25F063 - 06	0021	85	141			
		105	YGSP5 - 21S25F105 - 06	0027	127	183			

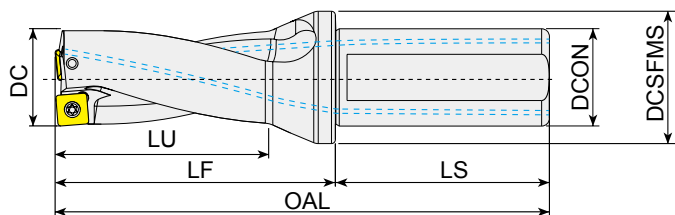
* Call for us DC size increments of 0.5

* Clamping Torque (Nm) 0.7Nm

SPMX06	Screw	Wrench
Description	T072252D	TWFT07
EDP	18000178	18000032

Drilling - Drill Holder

Square Drill Holder (SPMX07) (DC 22~27)



☐: Refer to p. 233 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SPMX 07T308	22	44	YGSP2 - 22S32F044 - 07	0028	74	134	32	45	60
		66	YGSP3 - 22S32F066 - 07	0034	96	156			
		110	YGSP5 - 22S32F110 - 07	0040	140	200			
	23	46	YGSP2 - 23S32F046 - 07	0029	76	136			
		69	YGSP3 - 23S32F069 - 07	0035	99	159			
		115	YGSP5 - 23S32F115 - 07	0041	145	205			
	24	48	YGSP2 - 24S32F048 - 07	0030	78	138			
		72	YGSP3 - 24S32F072 - 07	0036	102	162			
		120	YGSP5 - 24S32F120 - 07	0042	150	210			
	25	50	YGSP2 - 25S32F050 - 07	0031	80	140			
		75	YGSP3 - 25S32F075 - 07	0037	105	165			
		125	YGSP5 - 25S32F125 - 07	0043	155	215			
	26	52	YGSP2 - 26S32F052 - 07	0032	82	142			
		78	YGSP3 - 26S32F078 - 07	0038	108	168			
		130	YGSP5 - 26S32F130 - 07	0044	160	220			
	27	54	YGSP2 - 27S32F054 - 07	0033	84	144			
		81	YGSP3 - 27S32F081 - 07	0039	111	171			
		135	YGSP5 - 27S32F135 - 07	0045	165	225			

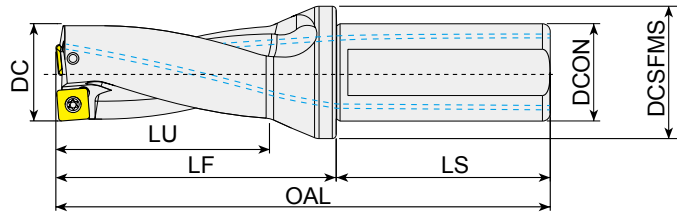
* Call for us DC size increments of 0.5

* Clamping Torque (Nm) 1.2Nm

SPMX07	Screw	Wrench
Description	T082564D	TWFT08
EDP	18000179	18000033

Drilling - Drill Holder

Square Drill Holder (SPMX09) (DC 28~33)



: Refer to p. 233

Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SPMX 090408	28	56	YGSP2 - 28S32F056 - 09	0046	86	146	32	45	60
		84	YGSP3 - 28S32F084 - 09	0052	114	174			
		140	YGSP5 - 28S32F140 - 09	0058	170	230			
	29	58	YGSP2 - 29S32F058 - 09	0047	88	148			
		87	YGSP3 - 29S32F087 - 09	0053	117	177			
		145	YGSP5 - 29S32F145 - 09	0059	175	235			
	30	60	YGSP2 - 30S32F060 - 09	0048	91	151			
		90	YGSP3 - 30S32F090 - 09	0054	121	181			
		150	YGSP5 - 30S32F150 - 09	0060	181	241			
	31	62	YGSP2 - 31S32F062 - 09	0049	93	153			
		93	YGSP3 - 31S32F093 - 09	0055	124	184			
		155	YGSP5 - 31S32F155 - 09	0061	186	246			
	32	64	YGSP2 - 32S32F064 - 09	0050	95	155			
		96	YGSP3 - 32S32F096 - 09	0056	127	187			
		160	YGSP5 - 32S32F160 - 09	0062	191	251			
	33	66	YGSP2 - 33S32F066 - 09	0051	97	157			
		99	YGSP3 - 33S32F099 - 09	0057	130	190			
		165	YGSP5 - 33S32F165 - 09	0063	196	256			

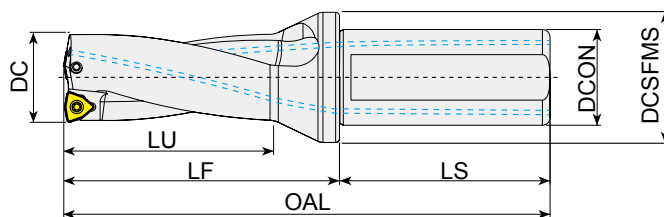
* Call for us DC size increments of 0.5

* Clamping Torque (Nm) 2.4Nm

SPMX09	Screw	Wrench
Description	T103588D	TWFT10
EDP	18000180	18000034

Drilling - Drill Holder

Trigonal Drill Holder (WCMX03) (DC 16~19.5)



☺: Refer to p.234 Unit:mm

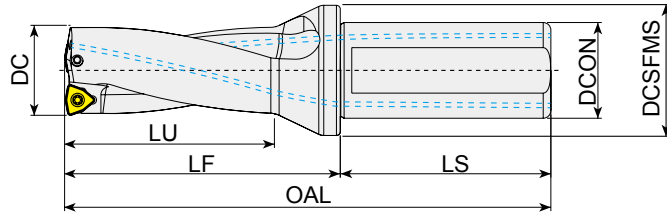
Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 030208	16	32	YGWC2 - 16S25F032 - 03	0253	54	110	25	34	56
		48	YGWC3 - 16S25F048 - 03	0296	70	126			
		64	YGWC4 - 16S25F064 - 03	0339	86	142			
	16.5	32	YGWC2 - 16.5S25F032 - 03	0780	54	110			
		48	YGWC3 - 16.5S25F048 - 03	0781	70	126			
		64	YGWC4 - 16.5S25F064 - 03	0782	86	142			
	17	34	YGWC2 - 17S25F034 - 03	0254	56	112			
		51	YGWC3 - 17S25F051 - 03	0297	73	129			
		68	YGWC4 - 17S25F068 - 03	0340	90	146			
	17.5	34	YGWC2 - 17.5S25F034 - 03	0783	56	112			
		51	YGWC3 - 17.5S25F051 - 03	0784	73	129			
		68	YGWC4 - 17.5S25F068 - 03	0785	90	146			
	18	36	YGWC2 - 18S25F036 - 03	0255	58	114			
		54	YGWC3 - 18S25F054 - 03	0298	76	132			
		72	YGWC4 - 18S25F072 - 03	0341	94	150			
	18.5	36	YGWC2 - 18.5S25F036 - 03	0786	58	114			
		54	YGWC3 - 18.5S25F054 - 03	0787	76	132			
		72	YGWC4 - 18.5S25F072 - 03	0788	94	150			
	19	38	YGWC2 - 19S25F038 - 03	0256	60	116			
		57	YGWC3 - 19S25F057 - 03	0299	79	135			
		76	YGWC4 - 19S25F076 - 03	0342	98	154			
	19.5	38	YGWC2 - 19.5S25F038 - 03	0789	60	116			
		57	YGWC3 - 19.5S25F057 - 03	0790	79	135			
		76	YGWC4 - 19.5S25F076 - 03	0791	98	154			

* Clamping Torque (Nm) 0.6Nm

WCMX03	Screw	Wrench
Description	T0622557	TWFT06
EDP	18000183	18000031

Drilling - Drill Holder

Trigonal Drill Holder (WCMX04) (DC 20~23.5)



Refer to p. 234

Unit: mm

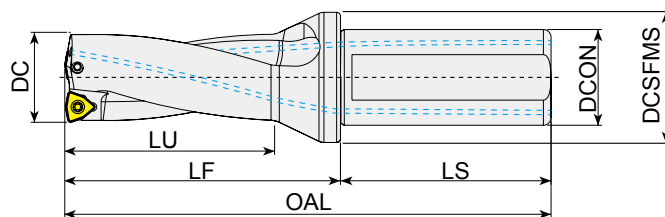
Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 040208	20	40	YGWC2 - 20S25F040 - 04	0257	62	118	25	34	56
		60	YGWC3 - 20S25F060 - 04	0300	82	138			
		80	YGWC4 - 20S25F080 - 04	0343	102	158			
	20.5	40	YGWC2 - 20.5S25F040 - 04	0726	62	118			
		60	YGWC3 - 20.5S25F060 - 04	0727	82	138			
	21	42	YGWC2 - 21S25F042 - 04	0258	64	120			
		63	YGWC3 - 21S25F063 - 04	0301	85	141			
		84	YGWC4 - 21S25F084 - 04	0344	106	162			
	21.5	42	YGWC2 - 21.5S25F042 - 04	0728	64	120			
		63	YGWC3 - 21.5S25F063 - 04	0729	85	141			
	22	44	YGWC2 - 22S25F044 - 04	0259	66	122			
		66	YGWC3 - 22S25F066 - 04	0302	88	144			
		88	YGWC4 - 22S25F088 - 04	0345	110	166			
	22.5	44	YGWC2 - 22.5S25F044 - 04	0730	66	122			
		66	YGWC3 - 22.5S25F066 - 04	0731	88	144			
	23	88	YGWC4 - 22.5S25F088 - 04	0732	110	166			
		46	YGWC2 - 23S25F046 - 04	0260	68	124			
		69	YGWC3 - 23S25F069 - 04	0303	91	147			
	23.5	92	YGWC4 - 23S25F092 - 04	0346	114	170			
		46	YGWC2 - 23.5S25F046 - 04	0733	68	124			
69		YGWC3 - 23.5S25F069 - 04	0734	91	147				

* Clamping Torque (Nm) 1.2Nm

WCMX04	Screw	Wrench
Description	T072565D	TWFT07
EDP	18000184	18000032

Drilling - Drill Holder

Trigonal Drill Holder (WCMX05) (D24 ~29.5)



☉: Refer to p.234 Unit:mm

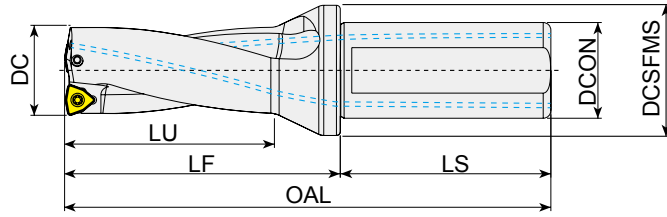
Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 050308	24	48	YGWC2 - 24S25F048 - 05	0261	70	126	25	34	56
		72	YGWC3 - 24S25F072 - 05	0304	94	150			
		96	YGWC4 - 24S25F096 - 05	0347	118	174			
	24.5	48	YGWC2 - 24.5S25F048 - 05	0735	70	126			
		72	YGWC3 - 24.5S25F072 - 05	0736	94	150			
		50	YGWC2 - 25S25F050 - 05	0262	72	128			
	25	75	YGWC3 - 25S25F075 - 05	0305	97	153			
		100	YGWC4 - 25S25F100 - 05	0251	122	178			
		50	YGWC2 - 25.5S25F050 - 05	0737	72	128			
	25.5	75	YGWC3 - 25.5S25F075 - 05	0738	97	153			
		52	YGWC2 - 26S25F052 - 05	0263	74	130			
		26	78	YGWC3 - 26S25F078 - 05	0306	100			
	104		YGWC4 - 26S25F104 - 05	0349	126	182			
	52		YGWC2 - 26.5S25F052 - 05	0739	74	130			
	26.5	78	YGWC3 - 26.5S25F078 - 05	0741	100	156			
		104	YGWC4 - 26.5S25F104 - 05	0742	126	182			
		54	YGWC2 - 27S25F054 - 05	0264	76	132			
	27	81	YGWC3 - 27S25F081 - 05	0307	103	159			
		108	YGWC4 - 27S25F108 - 05	0350	130	186			
		54	YGWC2 - 27.5S25F054 - 05	0743	76	132			
	27.5	81	YGWC3 - 27.5S25F081 - 05	0744	103	159			
		56	YGWC2 - 28S25F056 - 05	0265	78	134			
		28	84	YGWC3 - 28S25F084 - 05	0308	106			
	112		YGWC4 - 28S25F112 - 05	0351	134	190			
56	YGWC2 - 28.5S25F056 - 05		0745	78	134				
28.5	84	YGWC3 - 28.5S25F084 - 05	0746	106	162				
	112	YGWC4 - 28.5S25F112 - 05	0747	134	190				
	58	YGWC2 - 29S25F058 - 05	0266	80	136				
29	87	YGWC3 - 29S25F087 - 05	0309	109	165				
	116	YGWC4 - 29S25F116 - 05	0352	138	194				
	58	YGWC2 - 29.5S25F058 - 05	0748	80	136				
29.5	87	YGWC3 - 29.5S25F087 - 05	0749	109	165				

* Clamping Torque (Nm) 1.6Nm

WCMX05	Screw	Wrench
Description	T693072D	TWFT08
EDP	18000185	18000033

Drilling - Drill Holder

Trigonal Drill Holder (WCMX06) (DC 30~44.5)



Refer to p. 234

Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 06T308	30	60	YGWC2 - 30S32F060 - 06	0267	87	147	32	44	60
		90	YGWC3 - 30S32F090 - 06	0310	117	177			
		120	YGWC4 - 30S32F120 - 06	0353	147	207			
	30.5	90	YGWC3 - 30.5S32F090 - 06	0750	117	177			
	31	62	YGWC2 - 31S32F062 - 06	0268	89	149			
		93	YGWC3 - 31S32F093 - 06	0311	120	180			
		124	YGWC4 - 31S32F124 - 06	0354	151	211			
	31.5	93	YGWC3 - 31.5S32F093 - 06	0751	120	180			
	32	64	YGWC2 - 32S32F064 - 06	0269	91	151			
		96	YGWC3 - 32S32F096 - 06	0312	123	183			
		128	YGWC4 - 32S32F128 - 06	0252	155	215			
	32.5	96	YGWC3 - 32.5S32F096 - 06	0752	123	183			
	33	66	YGWC2 - 33S32F066 - 06	0753	93	153			
		99	YGWC3 - 33S32F099 - 06	0754	126	186			
		132	YGWC4 - 33S32F132 - 06	0755	159	219			
	33.5	99	YGWC3 - 33.5S32F099 - 06	0756	126	186			
		132	YGWC4 - 33.5S32F132 - 06	0757	159	219			
	34	68	YGWC2 - 34S32F068 - 06	0271	95	155			
		102	YGWC3 - 34S32F102 - 06	0314	129	189			
		136	YGWC4 - 34S32F136 - 06	0357	163	223			
	34.5	102	YGWC3 - 34.5S32F102 - 06	0758	129	189			
	35	70	YGWC2 - 35S32F070 - 06	0272	97	157			
		105	YGWC3 - 35S32F105 - 06	0315	132	192			
		140	YGWC4 - 35S32F140 - 06	0358	167	227			
	35.5	105	YGWC3 - 35.5S32F105 - 06	0759	132	192			
	36	72	YGWC2 - 36S32F072 - 06	0273	99	159			
		108	YGWC3 - 36S32F108 - 06	0316	135	195			
		144	YGWC4 - 36S32F144 - 06	0359	171	231			
36.5	108	YGWC3 - 36.5S32F108 - 06	0760	135	195				
37	74	YGWC2 - 37S32F074 - 06	0274	101	161				
	111	YGWC3 - 37S32F111 - 06	0317	138	198				
	148	YGWC4 - 37S32F148 - 06	0360	175	235				

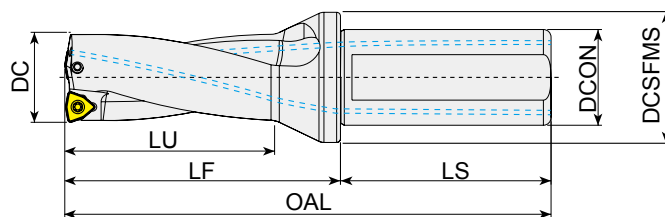
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* Clamping Torque (Nm) 2.4Nm

WCMX06	Screw	Wrench
Description	T103588D	TWFT10
EDP	18000180	18000034

Drilling - Drill Holder

Trigonal Drill Holder (WCMX06) (DC 30~44.5)



☺: Refer to p.234 Unit:mm

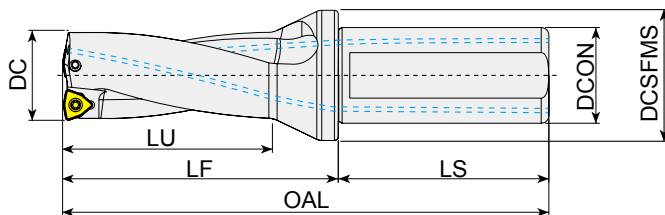
Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 06T308	37.5	111	YGWC3 - 37.5S32F111 - 06	0761	138	198	32	44	60
		76	YGWC2 - 38S32F076 - 06	0275	103	163			
	38	114	YGWC3 - 38S32F114 - 06	0318	141	201			
		152	YGWC4 - 38S32F152 - 06	0361	179	239			
	38.5	114	YGWC3 - 38.5S32F114 - 06	0762	141	201			
		152	YGWC4 - 38.5S32F152 - 06	0763	179	239			
		78	YGWC2 - 39S32F078 - 06	0276	105	165			
	39	117	YGWC3 - 39S32F117 - 06	0319	144	204			
		156	YGWC4 - 39S32F156 - 06	0362	183	243			
	39.5	117	YGWC3 - 39.5S32F117 - 06	0764	144	204			
		80	YGWC2 - 40S32F080 - 06	0277	107	167			
	40	120	YGWC3 - 40S32F120 - 06	0320	147	207			
		160	YGWC4 - 40S32F160 - 06	0363	187	247			
	40.5	120	YGWC3 - 40.5S32F120 - 06	0765	147	207			
		82	YGWC2 - 41S32F082 - 06	0278	109	169			
	41	123	YGWC3 - 41S32F123 - 06	0321	150	210			
		164	YGWC4 - 41S32F164 - 06	0364	191	251			
	41.5	123	YGWC3 - 41.5S32F123 - 06	0766	150	210			
		84	YGWC2 - 42S32F084 - 06	0279	111	171			
	42	126	YGWC3 - 42S32F126 - 06	0322	153	213			
		168	YGWC4 - 42S32F168 - 06	0365	195	255			
	42.5	126	YGWC3 - 42.5S32F126 - 06	0767	153	213			
		86	YGWC2 - 43S32F086 - 06	0280	113	173			
	43	129	YGWC3 - 43S32F129 - 06	0323	156	216			
		172	YGWC4 - 43S32F172 - 06	0366	199	259			
	43.5	129	YGWC3 - 43.5S32F129 - 06	0768	156	216			
		88	YGWC2 - 44S32F088 - 06	0281	115	175			
	44	132	YGWC3 - 44S32F132 - 06	0324	159	219			
	176	YGWC4 - 44S32F176 - 06	0367	203	263				
44.5	132	YGWC3 - 44.5S32F132 - 06	0769	159	219				

* Clamping Torque (Nm) 2.4Nm

WCMX06	Screw	Wrench
Description	T103588D	TWFT10
EDP	18000180	18000034

Drilling - Drill Holder

Trigonal Drill Holder (WCMX08) (DC 45~60)



Refer to p. 234

Unit: mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 080412	45	90	YGWC2 - 45S40F090 - 08	0282	122	192	40	54	70
		135	YGWC3 - 45S40F135 - 08	0325	167	237			
		180	YGWC4 - 45S40F180 - 08	0368	212	282			
	45.5	135	YGWC3 - 45.5S40F135 - 08	0770	167	237			
	46	92	YGWC2 - 46S40F092 - 08	0283	124	194			
		138	YGWC3 - 46S40F138 - 08	0326	170	240			
		184	YGWC4 - 46S40F184 - 08	0369	216	286			
	47	94	YGWC2 - 47S40F094 - 08	0284	126	196			
		141	YGWC3 - 47S40F141 - 08	0327	173	243			
		188	YGWC4 - 47S40F188 - 08	0370	220	290			
	48	96	YGWC2 - 48S40F096 - 08	0285	128	198			
		144	YGWC3 - 48S40F144 - 08	0328	176	246			
		192	YGWC4 - 48S40F192 - 08	0371	224	294			
	49	98	YGWC2 - 49S40F098 - 08	0286	130	200			
		147	YGWC3 - 49S40F147 - 08	0329	179	249			
	50	196	YGWC4 - 49S40F196 - 08	0372	228	298			
		100	YGWC2 - 50S40F100 - 08	0287	132	202			
		150	YGWC3 - 50S40F150 - 08	0330	182	252			
	51	200	YGWC4 - 50S40F200 - 08	0373	232	302			
		102	YGWC2 - 51S40F102 - 08	0288	134	204			
153		YGWC3 - 51S40F153 - 08	0331	185	255				

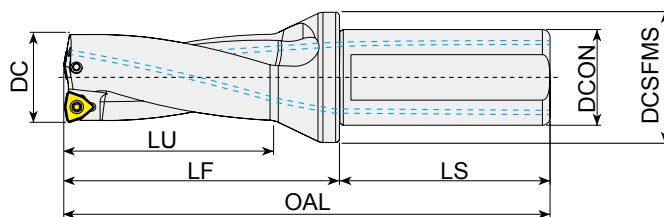
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* Clamping Torque (Nm) 3.0Nm

WCMX08	Screw	Wrench
Description	T154011D	TWFT15
EDP	18000186	18000035

Drilling - Drill Holder

Trigonal Drill Holder (WCMX08) (DC 45~60)



☺: Refer to p.234 Unit:mm

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
WCMX 080412	52	104	YGWC2 - 52S40F104 - 08	0289	136	206	40	54	70
		156	YGWC3 - 52S40F156 - 08	0332	188	258			
	53	106	YGWC2 - 53S40F106 - 08	0290	138	208			
		159	YGWC3 - 53S40F159 - 08	0333	191	261			
	54	108	YGWC2 - 54S40F108 - 08	0291	140	210			
		162	YGWC3 - 54S40F162 - 08	0334	194	264			
	55	110	YGWC2 - 55S40F110 - 08	0292	142	212			
		165	YGWC3 - 55S40F165 - 08	0335	197	267			
	56	112	YGWC2 - 56S40F112 - 08	0293	144	214			
		168	YGWC3 - 56S40F168 - 08	0336	200	270			
	57	114	YGWC2 - 57S40F114 - 08	0294	146	216			
		171	YGWC3 - 57S40F171 - 08	0337	203	273			
	58	116	YGWC2 - 58S40F116 - 08	0295	148	218			
		174	YGWC3 - 58S40F174 - 08	0338	206	276			
	59	118	YGWC2 - 59S40F118 - 08	0771	150	220			
		177	YGWC3 - 59S40F177 - 08	0772	209	279			
	60	120	YGWC2 - 60S40F120 - 08	0773	152	222			
		180	YGWC3 - 60S40F180 - 08	0774	212	282			

* Clamping Torque (Nm) 3.0Nm

WCMX08	Screw	Wrench
Description	T154011D	TWFT15
EDP	18000186	18000035