



# DRILLING

Drilling Overview

Drill Holder

X-Drill Inserts (SYMX)

Square Drill Inserts (SPMX)

Triagonal Drilling Inserts (WCMX)



## Drilling Overview

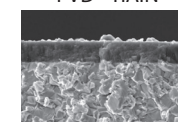
### Drilling Grades

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					

#### YG713

P15 - P30 M15 - M30  
K15 - K30 H20 - H30

PVD - TiAlN



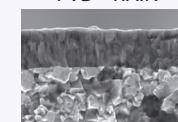
#### Drilling Grade for General Steel Application

- Multi-layer TiAlN structure realizes stronger crater and flank wear resistance
- Fine-grained carbide and balanced substrate

#### YG602

P20 - P35 M20 - M40  
K20 - K40 S15 - S25

PVD - TiAlN



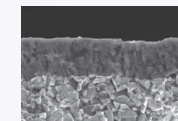
#### Universal grade for General Drilling Application

- Ultra Dense PVD Coating with optimal thermal resistance & strength
- Sub-Micron substrate designed for demanding application

#### YG613

P30 - P50  
M30 - M50

PVD - TiAlN



#### Drilling Grade for Stainless Steel Application

- 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

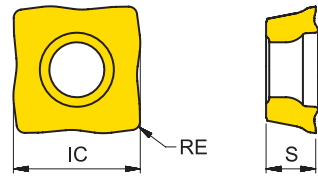
	4 Corner	SYMX Series	SYMX	05, 06, 07, 08 <b>NEW</b> 10, 11, 13, 15
	4 Corner	SPMX Series	SPMX	05, 06, 07, 09, 11, 14
	ISO 3 Corner	WCMX Series	WCMX	03, 04, 05, 06, 08

### Drilling Chipbreakers

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

Drilling - Inserts  
**X-Drill Inserts (SYMX)**

Recommended Cutting Conditions : p.191



Series	IC	S	Series	IC	S
SYMX 0502	.196	.093	SYMX 10T3	.393	.156
SYMX 0602	.236	.093	SYMX 1104	.448	.157
SYMX 07T2	.276	.110	SYMX 1304	.512	.187
SYMX 0803	.327	.126	SYMX 1505	.610	.197

EDP 3200..

P25	P20	P40
M25	M20	M40
K30	K20	M40

SYMX	Designation	RE (inch)	Fn (inch/rev.)	EDP 3200..		
				YG602	YG713	YG613
	SYMX 050204	.016	.002~.005		●	●
	SYMX 060204	.016	.002~.005		●	●
	SYMX 07T206	.024	.002~.005		●	●
	SYMX 080306	.024	.003~.008		●	●
	SYMX 10T308	.031	.003~.008		●	●
	SYMX 110408	.031	.003~.008		●	●
	SYMX 130410	.039	.003~.008		●	●
	SYMX 150512	.047	.003~.009		●	●

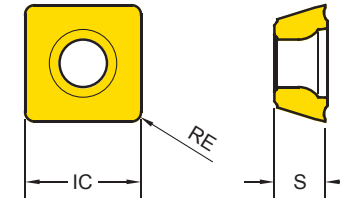
SYMX  
General



● : Stock item ○ : Order made item

Drilling - Inserts  
**Square Drill Inserts (SPMX)**

Recommended Cutting Conditions : p.191



Series	IC	S	Series	IC	S
SPMX 0502	.197	.094	SPMX 0904	.386	.169
SPMX 0602	.236	.095	SPMX 1104	.453	.189
SPMX 07T3	.313	.156	SPMX 1405	.563	.205

EDP 3200..

P25	P20	P40
M25	M20	M40
K30	K20	M40

SPMX	Designation	RE (inch)	Fn (inch/rev.)	EDP 3200..		
				YG602	YG713	YG613
	SPMX 050204	.016	.003~.006	●	●	●
	SPMX 060204	.016	.003~.006	●	●	●
	SPMX 07T308	.031	.003~.006	●	●	●
	SPMX 090408	.031	.003~.006	●	●	●
	SPMX 110408	.031	.004~.007	●	●	●
	SPMX 140512	.047	.004~.008	●	●	●
	SPMX 050204 - ST	.016	.001~.004	●		●
	SPMX 060204 - ST	.016	.002~.004	●		●
	SPMX 07T308 - ST	.031	.002~.004	●		●
	SPMX 090408 - ST	.031	.002~.005	●		●
	SPMX 110408 - ST	.031	.002~.005			●
	SPMX 140512 - ST	.047	.002~.006			●

SPMX  
General



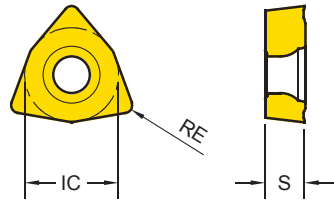
-ST  
Stainless Steel



● : Stock item ○ : Order made item

Drilling - Inserts  
**Triagonal Drill Inserts (WCMX)**

Recommended Cutting Conditions : p.191



Series	IC	S
WCMX 0302	.219	.094
WCMX 0402	.250	.094
WCMX 0503	.313	.125
WCMX 06T3	.375	.156
WCMX 0804	.500	.187

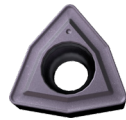
EDP 3200..

P25	P20	P40
K30	K20	M40
YG602	YG713	YG613
●	●	●
0031	0086	
●	●	●
0003	0087	
●	●	●
0001	0088	
●	●	●
0002	0089	
●	●	●
0004	0090	0091

● : Stock item ○ : Order made item

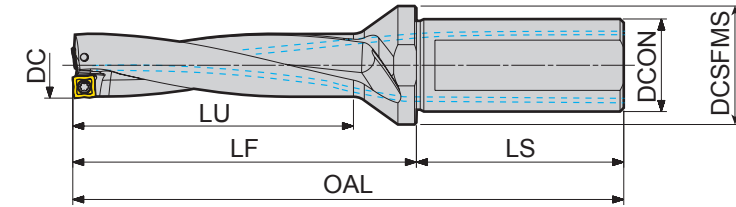
WCMX	Designation	RE (inch)	Fn (inch/rev.)
	WCMX 030208	.031	.002~.005
	WCMX 040208	.031	.002~.005
	WCMX 050308	.031	.002~.006
	WCMX 06T308	.031	.003~.006
	WCMX 080412	.047	.003~.006

**WCMX**  
General



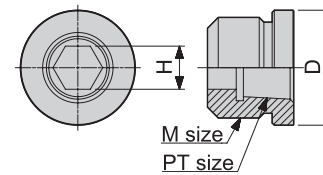
□ : p. 172 Unit: inch

Drilling - Drill Holder  
**X - Drill Holder (SYM05) (DC .563 ~ .656)**



Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
SYM050204	.563	1.126	YGSY2 - 0.563S0.75 - 05I	1067	1.835	3.835	.75	1.125	2.00
		1.689	YGSY3 - 0.563S0.75 - 05I	1083	2.398	4.398			
		2.252	YGSY4 - 0.563S0.75 - 05I	1099	2.961	4.961			
		2.815	YGSY5 - 0.563S0.75 - 05I	1115	3.524	5.524			
	.591	1.182	YGSY2 - 0.591S0.75 - 05I	1068	1.935	3.935			
		1.773	YGSY3 - 0.591S0.75 - 05I	1084	2.529	4.529			
		2.364	YGSY4 - 0.591S0.75 - 05I	1100	3.123	5.123			
		2.955	YGSY5 - 0.591S0.75 - 05I	1116	3.717	5.717			
	.626	1.252	YGSY2 - 0.626S0.75 - 05I	1069	2.037	4.037			
		1.878	YGSY3 - 0.626S0.75 - 05I	1085	2.663	4.663			
		2.504	YGSY4 - 0.626S0.75 - 05I	1101	3.287	5.287			
		3.13	YGSY5 - 0.626S0.75 - 05I	1117	3.913	5.913			
.656	1.312	YGSY2 - 0.656S0.75 - 05I	1070	2.099	4.099				
	1.968	YGSY3 - 0.656S0.75 - 05I	1086	2.756	4.756				
	2.624	YGSY4 - 0.656S0.75 - 05I	1102	3.411	5.411				
	3.28	YGSY5 - 0.656S0.75 - 05I	1118	4.067	6.067				

**PLUG (DCON .75)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M12 - 1/8	38000001	.75	.55	M12x1.0	PT 1/8	.236

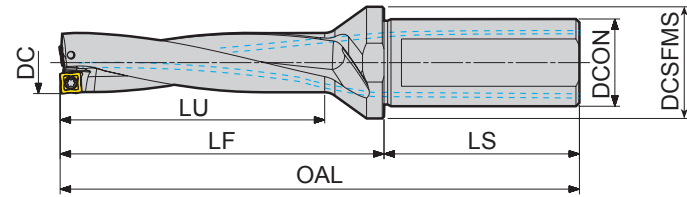
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 0.6Nm

SYM05	Screw	Wrench
Description	TP062004 - GS	TPWFTP06
EDP	18000252	18000262

Plug	DCON	.75	1.00	1.25
	Description	PLUG M12 - 1/8	PLUG M14 - 1/8	PLUG M22 - 1/4
EDP	38000001	38000002	38000003	

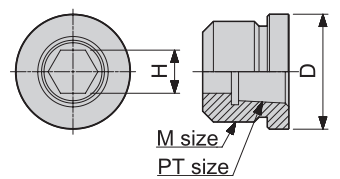
**X - Drill Holder (SYM06) (DC .689 ~ .813)**



☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>SYM06</b> <b>060204</b>	.689	1.378	YGSY2 - 0.689S1.00 - 06I	0870	2.165	5.165	1.00	1.375	3.00
		2.067	YGSY3 - 0.689S1.00 - 06I	0875	2.854	5.854			
		2.756	YGSY4 - 0.689S1.00 - 06I	0880	3.543	6.543			
		3.445	YGSY5 - 0.689S1.00 - 06I	0885	4.232	7.232			
	.719	1.438	YGSY2 - 0.719S1.00 - 06I	0871	2.265	5.265			
		2.157	YGSY3 - 0.719S1.00 - 06I	0876	2.984	5.984			
		2.876	YGSY4 - 0.719S1.00 - 06I	0881	3.703	6.703			
	.75	3.595	YGSY5 - 0.719S1.00 - 06I	0886	4.422	7.422			
		1.5	YGSY2 - 0.750S1.00 - 06I	0872	2.327	5.327			
		2.157	YGSY3 - 0.750S1.00 - 06I	0877	3.077	6.077			
	.781	2.876	YGSY4 - 0.750S1.00 - 06I	0882	3.827	6.827			
		3.595	YGSY5 - 0.750S1.00 - 06I	0887	4.577	7.577			
1.562		YGSY2 - 0.781S1.00 - 06I	0873	2.467	5.467				
.813	2.343	YGSY3 - 0.781S1.00 - 06I	0878	3.248	6.248				
	3.124	YGSY4 - 0.781S1.00 - 06I	0883	4.030	7.030				
	3.905	YGSY5 - 0.781S1.00 - 06I	0888	4.811	7.811				
	1.626	YGSY2 - 0.813S1.00 - 06I	0874	2.531	5.531				
	2.439	YGSY3 - 0.813S1.00 - 06I	0879	3.344	6.344				
	3.252	YGSY4 - 0.813S1.00 - 06I	0884	4.157	7.157				
	4.065	YGSY5 - 0.813S1.00 - 06I	0889	4.970	7.970				

**PLUG (DCON1.0)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M14 - 1/8	38000002	1.0	.630	M14x1.0	PT 1/8	.236

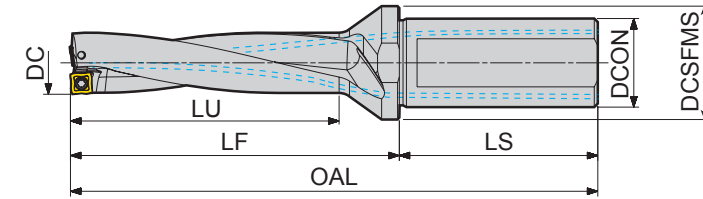
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 0.7Nm

SYM06	Screw	Wrench
Description	TP072205 - GS	TPWFTP07
EDP	18000253	18000001

Plug	DCON	.75	1.00	1.25
	Description	PLUG M12 - 1/8	PLUG M14 - 1/8	PLUG M22 - 1/4
EDP	38000001	38000002	38000003	

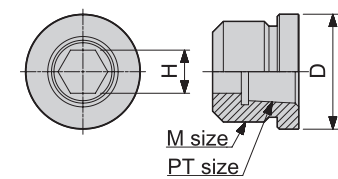
**X - Drill Holder (SYM07) (DC .843 ~ .906)**



☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>SYM07</b> <b>07T206</b>	.843	1.686	YGSY2 - 0.843S1.00 - 07I	1071	2.591	5.591	1.00	1.375	3.00
		2.529	YGSY3 - 0.843S1.00 - 07I	1087	3.435	6.435			
		3.372	YGSY4 - 0.843S1.00 - 07I	1103	4.278	7.278			
		4.215	YGSY5 - 0.843S1.00 - 07I	1119	5.120	8.120			
	.875	1.75	YGSY2 - 0.875S1.00 - 07I	1072	2.656	5.656			
		2.625	YGSY3 - 0.875S1.00 - 07I	1088	3.531	6.531			
		3.5	YGSY4 - 0.875S1.00 - 07I	1104	4.406	7.406			
	.906	4.375	YGSY5 - 0.875S1.00 - 07I	1120	5.281	8.281			
		1.812	YGSY2 - 0.906S1.00 - 07I	1073	2.678	5.678			
		2.718	YGSY3 - 0.906S1.00 - 07I	1089	3.584	6.584			
		3.624	YGSY4 - 0.906S1.00 - 07I	1105	4.490	7.490			
		4.53	YGSY5 - 0.906S1.00 - 07I	1121	5.396	8.396			

**PLUG (DCON1.0)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M14 - 1/8	38000002	1.0	.630	M14x1.0	PT 1/8	.236

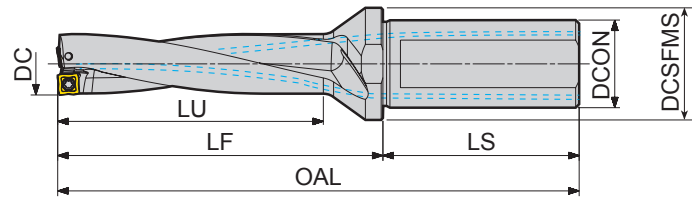
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 0.7Nm

SYM07	Screw	Wrench
Description	TP072205 - GS	TPWFTP07
EDP	18000253	18000001

Plug	DCON	.75	1.00	1.25
	Description	PLUG M12 - 1/8	PLUG M14 - 1/8	PLUG M22 - 1/4
EDP	38000001	38000002	38000003	

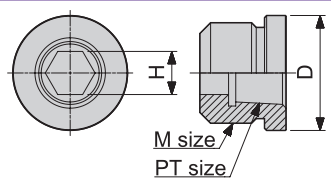
**X - Drill Holder (SYM08) (DC .937 ~ 1.063)**



☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>SYM080306</b>	.937	1.874	YGSY2-0.937S1.25-08I	1074	2.740	5.990	1.25	1.625	3.25
		2.811	YGSY3-0.937S1.25-08I	1090	3.677	6.927			
		3.748	YGSY4-0.937S1.25-08I	1106	4.614	7.864			
		4.685	YGSY5-0.937S1.25-08I	1122	5.551	8.801			
	.969	1.938	YGSY2-0.969S1.25-08I	1075	2.804	6.054			
		2.907	YGSY3-0.969S1.25-08I	1091	3.773	7.023			
		3.876	YGSY4-0.969S1.25-08I	1107	4.742	7.992			
		4.845	YGSY5-0.969S1.25-08I	1123	5.711	8.961			
	.984	1.968	YGSY2-0.984S1.25-08I	1076	2.834	6.084			
		2.952	YGSY3-0.984S1.25-08I	1092	3.818	7.068			
		3.936	YGSY4-0.984S1.25-08I	1108	4.802	8.052			
	1.000	4.92	YGSY5-0.984S1.25-08I	1124	5.786	9.036			
2.000		YGSY2-1.000S1.25-08I	1077	2.866	6.116				
3.000		YGSY3-1.000S1.25-08I	1093	3.866	7.116				
4.000		YGSY4-1.000S1.25-08I	1109	4.866	8.116				
1.031	5.000	YGSY5-1.000S1.25-08I	1125	5.866	9.116				
	2.062	YGSY2-1.031S1.25-08I	1078	2.928	6.178				
	3.093	YGSY3-1.031S1.25-08I	1094	3.920	7.170				
	4.124	YGSY4-1.031S1.25-08I	1110	4.990	8.240				
1.063	5.155	YGSY5-1.031S1.25-08I	1126	6.021	9.271				
	2.126	YGSY2-1.063S1.25-08I	1079	2.992	6.242				
	3.189	YGSY3-1.063S1.25-08I	1095	4.094	7.344				
	4.252	YGSY4-1.063S1.25-08I	1111	5.118	8.368				
		5.315	YGSY5-1.063S1.25-08I	1127	6.181	9.431			

**PLUG (DCON1.25)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22 - 1/4	38000003	1.25	.945	M22x1.25	PT 1/4	.394

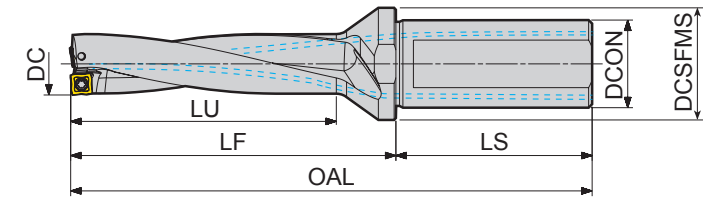
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 1.2Nm

SYM08	Screw	Wrench
Description	TP072506 - GS	TPWFTP07
EDP	18000261	18000001

Plug	DCON	.75	1.00	1.25
	Description	PLUG M12 - 1/8	PLUG M14 - 1/8	PLUG M22 - 1/4
EDP	38000001	38000002	38000003	

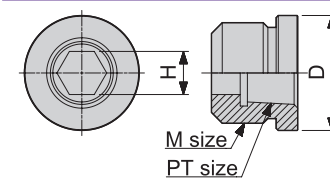
**X - Drill Holder (SYM08) (DC 1.094~1.125)**



☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>SYM080306</b>	1.094	2.188	YGSY2-1.094S1.25-08I	1080	3.091	6.341	1.25	1.625	3.25
		3.282	YGSY3-1.094S1.25-08I	1096	4.193	7.443			
		4.376	YGSY4-1.094S1.25-08I	1112	5.295	8.545			
		5.470	YGSY5-1.094S1.25-08I	1128	6.398	9.648			
	1.125	2.250	YGSY2-1.125S1.25-08I	1081	3.169	6.419			
		3.375	YGSY3-1.125S1.25-08I	1097	4.311	7.561			
		4.500	YGSY4-1.125S1.25-08I	1113	5.453	8.703			
		5.625	YGSY5-1.125S1.25-08I	1129	6.594	9.844			

**PLUG (DCON1.25)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22 - 1/4	38000003	1.25	.945	M22x1.25	PT 1/4	.394

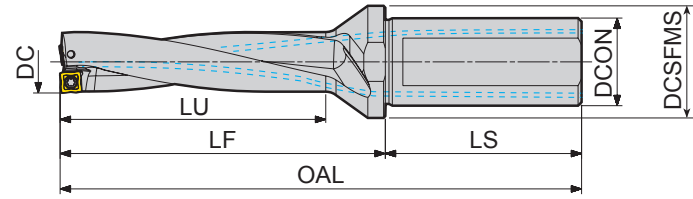
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 1.2Nm

SYM08	Screw	Wrench
Description	TP072506 - GS	TPWFTP07
EDP	18000261	18000001

Plug	DCON	.75	1.00	1.25
	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 1.156~1.312)**

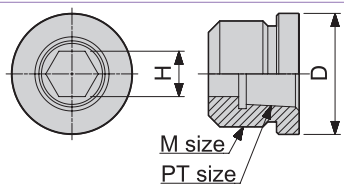


☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
1.156	2.312		YGSY2-1.156S1.25-10I	1272	3.257	6.507	1.25	1.625	3.25
	3.468		YGSY3-1.156S1.25-10I	1278	4.413	7.663			
	4.624		YGSY4-1.156S1.25-10I	1284	5.569	8.819			
	5.78		YGSY5-1.156S1.25-10I	1290	6.725	9.975			
1.187	2.374		YGSY2-1.187S1.25-10I	1273	3.319	6.569			
	3.561		YGSY3-1.187S1.25-10I	1279	4.506	7.756			
	4.748		YGSY4-1.187S1.25-10I	1285	5.693	8.943			
1.219	5.935		YGSY5-1.187S1.25-10I	1291	6.880	10.130			
	2.438		YGSY2-1.219S1.25-10I	1274	3.383	6.633			
	3.657		YGSY3-1.219S1.25-10I	1280	4.602	7.852			
1.25	4.876		YGSY4-1.219S1.25-10I	1286	5.821	9.071			
	6.095		YGSY5-1.219S1.25-10I	1292	7.040	10.290			
	2.5		YGSY2-1.250S1.25-10I	1275	3.445	6.695			
	3.75		YGSY3-1.250S1.25-10I	1281	4.695	7.945			
1.281	5.000		YGSY4-1.250S1.25-10I	1287	5.945	9.195			
	6.25		YGSY5-1.250S1.25-10I	1293	7.195	10.445			
	2.562		YGSY2-1.281S1.25-10I	1276	3.468	6.718			
1.312	3.843		YGSY3-1.281S1.25-10I	1282	4.749	7.999			
	5.124		YGSY4-1.281S1.25-10I	1288	6.030	9.280			
	6.405		YGSY5-1.281S1.25-10I	1294	7.311	10.561			
1.312	2.624		YGSY2-1.312S1.25-10I	1277	3.490	6.740			
	3.936		YGSY3-1.312S1.25-10I	1283	4.802	8.052			
	5.248		YGSY4-1.312S1.25-10I	1289	6.114	9.364			
	6.56		YGSY5-1.312S1.25-10I	1295	7.426	10.676			

**NEW**  
**SYM**  
**10T308**

**PLUG (DCON1.25)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M22-1/4	38000003	1.25	.945	M22x1.25	PT 1/4	.394

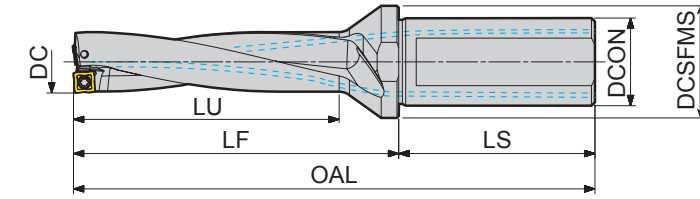
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 1.2Nm

SYMX10	Screw	Wrench
Description	TP072506-GS	TPWFTP07
EDP	18000261	18000001

Plug	DCON	.75	1.00	1.25
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4
EDP	38000001	38000002	38000003	

Drilling - Drill Holder  
**X-Drill Holder (SYMX11) (DC 1.343~1.513)**



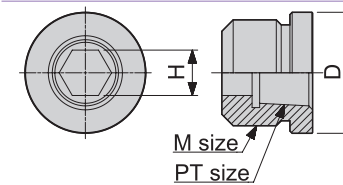
☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
1.343	2.686		YGSY2-1.343S1.50-11I	1296	3.710	7.460	1.50	1.875	3.75
	4.029		YGSY3-1.343S1.50-11I	1302	5.053	8.803			
	5.372		YGSY4-1.343S1.50-11I	1308	6.396	10.146			
	6.715		YGSY5-1.343S1.50-11I	1314	7.739	11.489			
1.375	2.75		YGSY2-1.375S1.50-11I	1297	3.774	7.524			
	4.125		YGSY3-1.375S1.50-11I	1303	5.149	8.899			
	5.5		YGSY4-1.375S1.50-11I	1309	6.524	10.274			
1.406	6.875		YGSY5-1.375S1.50-11I	1315	7.899	11.649			
	2.92		YGSY2-1.406S1.50-11I	1301	3.836	7.586			
	4.38		YGSY3-1.406S1.50-11I	1307	5.242	8.992			
1.437	5.84		YGSY4-1.406S1.50-11I	1313	6.648	10.398			
	7.3		YGSY5-1.406S1.50-11I	1319	8.054	11.804			
	2.874		YGSY2-1.437S1.50-11I	1298	3.898	7.648			
	4.311		YGSY3-1.437S1.50-11I	1304	5.335	9.085			
1.437	5.748		YGSY4-1.437S1.50-11I	1310	6.772	10.522			
	7.185		YGSY5-1.437S1.50-11I	1316	8.209	11.959			

**NEW**  
**SYM**  
**110408**

▶ NEXT PAGE

**PLUG (DCON1.5)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M26-1/4	38000004	1.5	1.102	M26x1.25	PT 1/4	.393

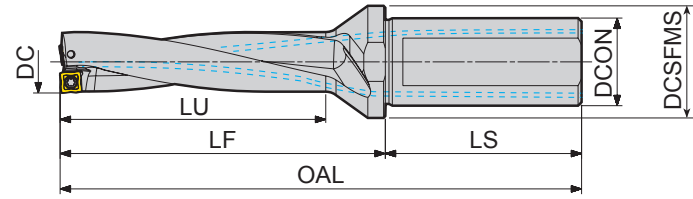
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 2.0Nm

SYMX11	Screw	Wrench
Description	TP103509-GS	TPWFTP10
EDP	18000266	18000284

Plug	DCON	.75	1.0	1.25	1.5
	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 (SYMX11) (DC 1.343~1.513)**

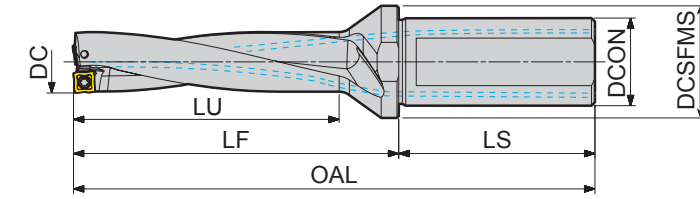


☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
1.469	2.938		YGSY2-1.469S1.50-111	1299	3.922	7.672	1.50	1.875	3.75
	4.407		YGSY3-1.469S1.50-111	1305	5.391	9.141			
	5.876		YGSY4-1.469S1.50-111	1311	6.860	10.610			
	7.345		YGSY5-1.469S1.50-111	1317	8.329	12.079			
	3.000		YGSY2-1.500S1.50-111	1300	3.984	7.734			
1.5	4.5		YGSY3-1.500S1.50-111	1306	5.484	9.234			
	6.000		YGSY4-1.500S1.50-111	1312	6.984	10.734			
	7.5		YGSY5-1.500S1.50-111	1318	8.484	12.234			
	3.026		YGSY2-1.513S1.50-111	1321	4.010	7.760			
1.513	4.539		YGSY3-1.513S1.50-111	1322	5.523	9.273			
	6.052		YGSY4-1.513S1.50-111	1323	7.036	10.786			
	7.565		YGSY5-1.513S1.50-111	1325	8.549	12.299			

**NEW**  
**SYM X**  
**110408**

**X-Drill Holder (SYMX13) (DC 1.531~1.75)**



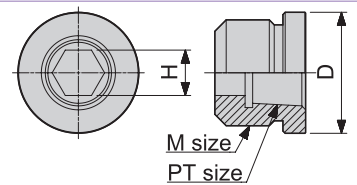
☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
1.531	3.062		YGSY2-1.531S1.50-131	1374	4.086	7.836	1.50	1.875	3.75
	4.593		YGSY3-1.531S1.50-131	1381	5.617	9.367			
	6.124		YGSY4-1.531S1.50-131	1388	7.148	10.898			
	7.655		YGSY5-1.531S1.50-131	1395	8.679	12.429			
	3.124		YGSY2-1.562S1.50-131	1375	4.148	7.898			
1.562	4.686		YGSY3-1.562S1.50-131	1382	5.710	9.460			
	6.248		YGSY4-1.562S1.50-131	1389	7.272	11.022			
	7.81		YGSY5-1.562S1.50-131	1396	8.834	12.584			
	3.188		YGSY2-1.594S1.50-131	1376	4.212	7.962			
1.594	4.782		YGSY3-1.594S1.50-131	1383	5.806	9.556			
	6.376		YGSY4-1.594S1.50-131	1390	7.400	11.150			
	7.97		YGSY5-1.594S1.50-131	1397	8.994	12.744			
1.625	3.25		YGSY2-1.625S1.50-131	1377	4.274	8.024			
	4.875		YGSY3-1.625S1.50-131	1384	5.899	9.649			
	6.5		YGSY4-1.625S1.50-131	1391	7.524	11.274			
	8.125		YGSY5-1.625S1.50-131	1398	9.149	12.899			

**NEW**  
**SYM X**  
**130410**

▶ NEXT PAGE

**PLUG (DCON1.5)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M26-1/4	38000004	1.5	1.102	M26x1.25	PT 1/4	.393

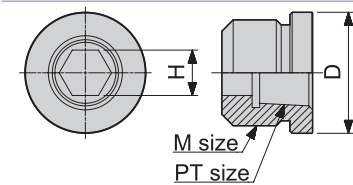
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 2.0Nm

SYM X11	Screw	Wrench
Description	TP103509-GS	TPWFTP10
EDP	18000266	18000284

Plug	DCON	.75	1.0	1.25	1.5
	Description	PLUG M12-1/8	PLUG M14-1/8	PLUG M22-1/4	PLUG M26-1/4
EDP	38000001	38000002	38000003	38000004	

**PLUG (DCON1.5)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M28-1/4	38000006	1.5	1.181	M28x1.5	PT 1/4	.393

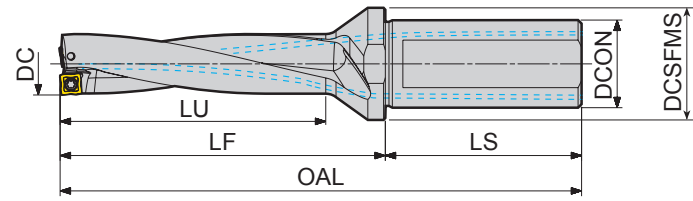
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 3.0Nm

SYM X13	Screw	Wrench
Description	TP154010-HS	TPWFTP15
EDP	18000232	18000003

Plug	DCON	1.5
	Description	PLUG M28-1/4
EDP	38000006	

**X-Drill Holder (SYMX13) (DC 1.531~1.75)**

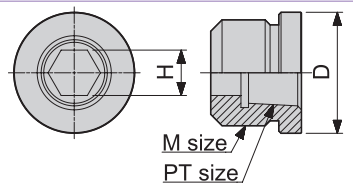


☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
1.687	3.374		YGSY2-1.687S1.50-13I	1378	4.398	8.148	1.50	1.875	3.75
	5.061		YGSY3-1.687S1.50-13I	1385	6.085	9.835			
	6.748		YGSY4-1.687S1.50-13I	1392	7.772	11.522			
	8.435		YGSY5-1.687S1.50-13I	1399	9.459	13.209			
1.719	3.438		YGSY2-1.719S1.50-13I	1379	4.462	8.212			
	5.157		YGSY3-1.719S1.50-13I	1386	6.181	9.931			
	6.876		YGSY4-1.719S1.50-13I	1393	7.900	11.650			
1.75	8.595		YGSY5-1.719S1.50-13I	1400	9.619	13.369			
	3.5		YGSY2-1.750S1.50-13I	1380	4.524	8.274			
	5.25		YGSY3-1.750S1.50-13I	1387	6.274	10.024			
	7.000		YGSY4-1.750S1.50-13I	1394	8.024	11.774			
	8.75		YGSY5-1.750S1.50-13I	1401	9.774	13.524			

**NEW**  
**SYM X**  
**130410**

**PLUG (DCON1.5)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M28-1/4	38000006	1.5	1.181	M28x1.5	PT 1/4	.393

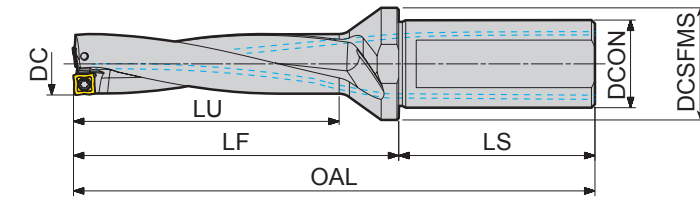
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 3.0Nm

SYM X13	Screw	Wrench
Description	TP154010-HS	TPWFTP15
EDP	18000232	18000003

Plug	DCON	1.5
Description		PLUG M28-1/4
EDP		38000006

**X-Drill Holder (SYMX15) (DC 1.781~2.000)**

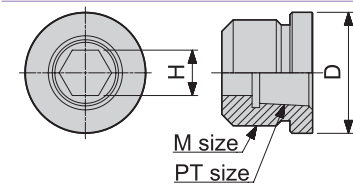


☐: p. 172 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
1.781	3.562		YGSY2-1.781S1.50-15I	1402	4.940	8.690	1.50	2.375	3.75
	5.343		YGSY3-1.781S1.50-15I	1408	6.721	10.471			
	7.124		YGSY4-1.781S1.50-15I	1414	8.502	12.252			
	8.905		YGSY5-1.781S1.50-15I	1420	10.283	14.033			
1.813	3.626		YGSY2-1.813S1.50-15I	1403	5.004	8.754			
	5.439		YGSY3-1.813S1.50-15I	1409	6.817	10.567			
	7.252		YGSY4-1.813S1.50-15I	1415	8.630	12.380			
1.875	9.065		YGSY5-1.813S1.50-15I	1421	10.443	14.193			
	3.75		YGSY2-1.875S1.50-15I	1404	5.128	8.878			
	5.625		YGSY3-1.875S1.50-15I	1410	7.003	10.753			
1.937	7.5		YGSY4-1.875S1.50-15I	1416	8.878	12.628			
	9.375		YGSY5-1.875S1.50-15I	1422	10.753	14.503			
	3.874		YGSY2-1.937S1.50-15I	1405	5.252	9.002			
1.969	5.811		YGSY3-1.937S1.50-15I	1411	7.189	10.939			
	7.748		YGSY4-1.937S1.50-15I	1417	9.126	12.876			
	9.685		YGSY5-1.937S1.50-15I	1423	11.063	14.813			
2.000	3.938		YGSY2-1.969S1.50-15I	1406	5.316	9.066			
	5.907		YGSY3-1.969S1.50-15I	1412	7.285	11.035			
	7.876		YGSY4-1.969S1.50-15I	1418	9.254	13.004			
	9.845		YGSY5-1.969S1.50-15I	1424	11.223	14.973			
	4.000		YGSY2-2.000S1.50-15I	1407	5.378	9.128			
	6.000		YGSY3-2.000S1.50-15I	1413	7.378	11.128			
	8.000		YGSY4-2.000S1.50-15I	1419	9.378	13.128			
	10.000		YGSY5-2.000S1.50-15I	1425	11.378	15.128			

**NEW**  
**SYM X**  
**150512**

**PLUG (DCON1.5)**



Designation	EDP No.	DCON	ØD	M size	PT size	H
PLUG M28-1/4	38000006	1.5	1.181	M28x1.5	PT 1/4	.393

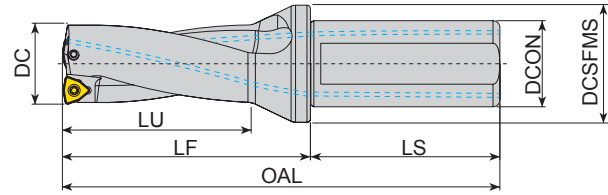
\* Plug for turning lathe should be ordered separately.

\* Clamping Torque (Nm) 3.5Nm

SYM X15	Screw	Wrench
Description	T20590D	TWFT20
EDP	18000182	18000036

Plug	DCON	1.5
Description		PLUG M28-1/4
EDP		38000006

### Trigonal Drill Holder (WCMX03) (DC .750)



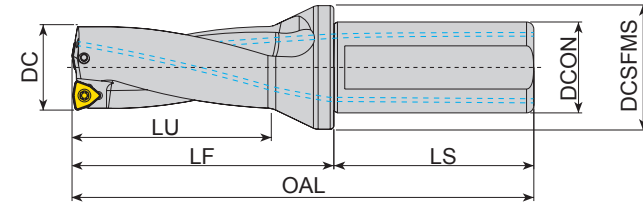
⊕: p. 174 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>WCMX 030208</b>	.750	2.250	YGWC3 - 0750S100F2250 - 03	0811	3.110	5.315	1.00	1.260	2.205
		3.750	YGWC5 - 0750S100F3750 - 03	0823	4.606	6.811			

\* Clamping Torque (Nm) 0.6Nm

WCMX03	Screw	Wrench
Description	T0622557	TWFT06
EDP	18000183	18000031

### Trigonal Drill Holder (WCMX04) (DC .8125 ~ .875)



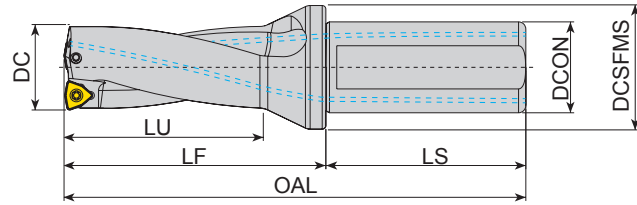
⊕: p. 174 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>WCMX 040208</b>	.8125	2.433	YGWC3 - 0812S100F2433 - 04	0812	3.228	5.433	1.00	1.260	2.205
		4.055	YGWC5 - 0812S100F4055 - 04	0824	5.000	7.205			
	.875	2.624	YGWC3 - 0875S100F2624 - 04	0813	3.465	5.669			
		4.374	YGWC5 - 0875S100F4374 - 04	0825	5.197	7.402			

\* Clamping Torque (Nm) 1.2Nm

WCMX04	Screw	Wrench
Description	T072565D	TWFT07
EDP	18000184	18000032

**Trigonal Drill Holder (WCMX05) (DC .937 ~ 1.125)**



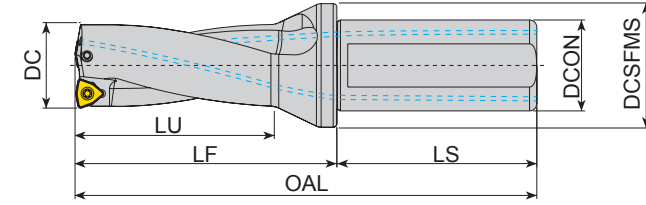
⊕: p.174 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS
<b>WCMX 050308</b>	.937	2.811	YGWC3 - 0937S100F2811 - 05	0814	3.701	5.906	1.00	1.260	2.205
		4.685	YGWC5 - 0937S100F4685 - 05	0826	5.591	7.795			
	1.000	3.000	YGWC3 - 1000S100F3000 - 05	0815	3.819	6.024			
		5.000	YGWC5 - 1000S100F5000 - 05	0827	5.787	7.992			
	1.063	3.189	YGWC3 - 1063S100F3189 - 05	0816	4.055	6.260			
		5.315	YGWC5 - 1063S100F5135 - 05	0828	6.181	8.386			
	1.125	3.366	YGWC3 - 1125S100F3366 - 05	0817	4.173	6.378			
		5.610	YGWC5 - 1125S100F5610 - 05	0829	6.476	8.681			

\* Clamping Torque (Nm) 1.6Nm

WCMX05	Screw	Wrench
Description	T693072D	TWFT08
EDP	18000185	18000033

**Trigonal Drill Holder (WCMX06, 08) (DC 1.250 ~ 2.000)**



⊕: p.174 Unit: inch

Series	DC	LU	Designation	EDP 3700..	LF	OAL	DCON	DCSFMS	LS				
<b>WCMX 06T308</b>	1.250	3.750	YGWC3 - 1250S125F3750 - 06	0818	4.843	7.205	1.25	1.575	2.362				
		6.250	YGWC5 - 1250S125F6250 - 06	0830	7.313	9.675							
	1.375	4.122	YGWC3 - 1375S125F4122 - 06	0819	5.197	7.559							
		6.870	YGWC5 - 1375S125F6870 - 06	0831	7.953	1.315							
	1.500	4.500	YGWC3 - 1500S125F4500 - 06	0820	5.551	7.913							
		7.500	YGWC5 - 1500S125F7500 - 06	0832	8.543	1.906							
	1.750	5.250	YGWC3 - 1750S125F5250 - 06	0821	6.260	8.622							
		8.750	YGWC5 - 1750S125F8750 - 06	0833	9.969	12.331							
	<b>WCMX 080412</b>	2.000	6.000	YGWC3 - 2000S150F6000 - 08	0822	7.283				1.039	1.50	1.969	2.756
			10.000	YGWC5 - 2000S150F10000 - 08	0834	11.299				14.055			

\* Clamping Torque (Nm) 2.4Nm

WCMX06	Screw	Wrench
Description	T103588D	TWFT10
EDP	18000180	18000034

\* Clamping Torque (Nm) 3.0Nm

WCMX08	Screw	Wrench
Description	T154011D	TWFT15
EDP	18000186	18000035