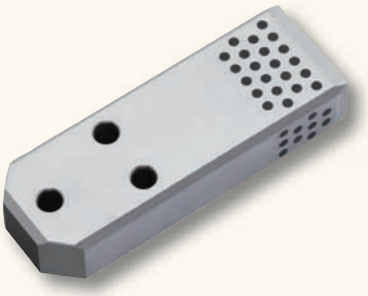
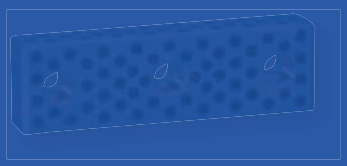
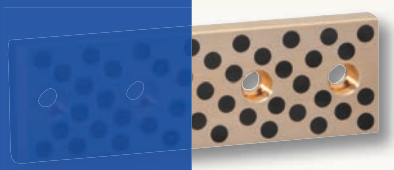
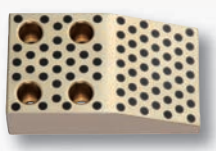
MiSUMi

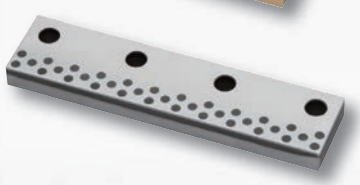
GUIDE AND SLIDE COMPONENTS TO VDI STANDARD











DAYTON®

Advanced Technologies

a MISUMI Group Company

2016

2016

MiSUMi

DAYTON Entities

Dayton Progress GmbH
Adenauerallee 2
61440 Oberursel/Ts., Germany
info@daytonprogress.de
+49 6171 9242 01

Dayton Progress s.r.o.
Pražská 707
CZ-29471 Benátky nad Jizerou
Czech Republic
info@daytonprogress.cz
+420 326 375 911

Dayton Progress, Ltd.
Holly Farm House
Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP, UK
info@daytonprogress.uk
+44 1 926 484 192

Dayton Progress Perfuradores Lda
Zona Industrial do Casal da Areia Lote 17
2460-392 Cós - Alcobaça, Portugal
orderspt@daytonprogress.pt
+351 262540400

Dayton Progress SAS
105 Avenue de l'Epinette
77100 Meaux Cedex, France
info@daytonprogress.fr
ofertas@daytonprogress.es
+33 1 60 247 301
+34 912 692 121

Dayton Progress Corporation of Japan
2-7-35 Hashimotodai, Midori-Ku
Sagamihara-Shi, Kanagawa-Ken
252-0132 Japan

Dayton Progress Canada, Ltd.
861 Rowntree Dairy Road
Woodbridge, Ontario L4L 5W3 Canada

Dayton Progress Corporation
500 Progress Road
P.O. Box 39
Dayton, OH 45449-0039 USA

Dayton Progress Detroit
34488 Doreka Dr.
Fraser, MI 48026 USA

Dayton Progress Portland
1314 Meridian St.
Portland, IN 47371 USA

Dayton Progress Mexico, S. de R.L. de C.V.
Access II Number 5, Warehouse 9
Benito Juarez Industrial Park
Querétaro, Qro. Mexico 76130

This catalog is an extract of the MISUMI product range for press die. For other catalogs, please contact our customer service or visit www.daytonprogress.de

The note "see main catalog", refers to the current press die catalog of MISUMI.

DAYTON®

Advanced Technologies

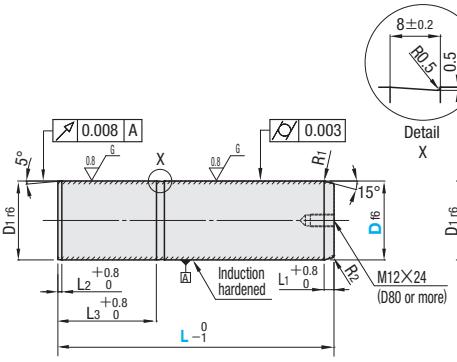
a MiSUMi Group Company

Content

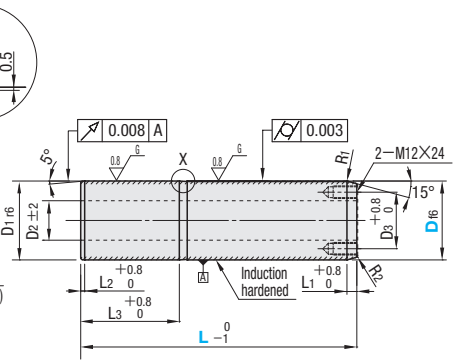
MISUMI GUIDE AND SLIDE COMPONENTS TO VDI STANDARD

Guide pillars
— DIN9833 —

DGPMA



DGPMB



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

M Steel
H 60～64HRC depth 1.5mm (Induction hardened)

D_{f6}	$D_{1\,r6}$	L_1	L_2	L_3	R_1	R_2	DIN Code	Catalog No. Type	Catalog No. D	L
25	25	8	4	40	3	2	DIN9833—D25×125×8	DGPMA	25	125
							DIN9833—D25×140×8			140
							DIN9833—D25×160×8			160
							DIN9833—D25×180×8			180
							DIN9833—D25×200×8			200
							DIN9833—D25×224×8			224
32	32	8	4	45	3	2	—		32	125
							DIN9833—D32×140×8			140
							DIN9833—D32×160×8			160
							DIN9833—D32×180×8			180
							DIN9833—D32×200×8			200
							DIN9833—D32×224×8			224
							DIN9833—D32×250×8			250
40	40	8	4	56	3	2	DIN9833—D40×140×8		40	140
							DIN9833—D40×160×8			160
							DIN9833—D40×180×8			180
							DIN9833—D40×200×8			200
							DIN9833—D40×224×8			224
							DIN9833—D40×250×8			250
							DIN9833—D40×280×8			280
50	50	10	4	70	5	2.5	DIN9833—D50×160×10		50	160
							DIN9833—D50×180×10			180
							DIN9833—D50×200×10			200
							DIN9833—D50×224×10			224
							DIN9833—D50×250×10			250
							DIN9833—D50×280×10			280
							DIN9833—D50×315×10			315
							DIN9833—D50×355×10			355
63	63	10	4	80	6	2.5	DIN9833—D63×180×10		63	180
							DIN9833—D63×200×10			200
							DIN9833—D63×224×10			224
							DIN9833—D63×250×10			250
							DIN9833—D63×280×10			280
							DIN9833—D63×315×10			315
							DIN9833—D63×355×10			355
							DIN9833—D63×400×10			400

D_{f6}	$D_{1\,r6}$	L_1	L_2	L_3	R_1	R_2	D_2	D_3	DIN Code	Catalog No. Type	Catalog No. D	L
80	80	10	4	100	8	3	—	—	DIN9833—D80×200×10	DGPMA	80	200
									DIN9833—D80×224×10			224
									DIN9833—D80×250×10			250
									DIN9833—D80×280×10			280
									DIN9833—D80×315×10			315
									DIN9833—D80×355×10			355
									DIN9833—D80×400×10			400
									DIN9833—D80×450×10			450
									—			500
100	100	10	4	125	10	3	—	—	DIN9833—D100×224×10		100	224
									DIN9833—D100×250×10			250
									DIN9833—D100×280×10			280
									DIN9833—D100×315×10			315
									DIN9833—D100×355×10			355
									DIN9833—D100×400×10			400
									DIN9833—D100×450×10			450
									—			500
80	80	10	4	100	8	3	40	58	DIN9833—D80×200×10H	DGPMB	80	200
									DIN9833—D80×224×10H			224
									DIN9833—D80×250×10H			250
									DIN9833—D80×280×10H			280
									DIN9833—D80×315×10H			315
									DIN9833—D80×355×10H			355
									DIN9833—D80×400×10H			400
									DIN9833—D80×450×10H			450
									—			500
100	100	10	4	125	10	3	50	72	DIN9833—D100×224×10H		100	224
									DIN9833—D100×250×10H			250
									DIN9833—D100×280×10H			280
									DIN9833—D100×315×10H			315
									DIN9833—D100×355×10H			355
									DIN9833—D100×400×10H			400
									DIN9833—D100×450×10H			450
									—			500
125	125	12	5	140	12	4	65	90	DIN9833—D125×315×12H		125	315
									DIN9833—D125×355×12H			355
									DIN9833—D125×400×12H			400
									DIN9833—D125×450×12H			450
									DIN9833—D125×500×12H			500
160	160	12	5	180	18	4	95	132	DIN9833—D160×400×12H		160	400
									DIN9833—D160×450×12H			450
									DIN9833—D160×500×12H			500
									DIN9833—D160×560×12H			560

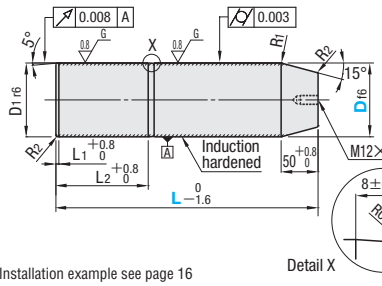
Catalog No.	—	L
DGPMB 125	—	400

Guide pillars/Guide bushings/Clamps for guide bushing

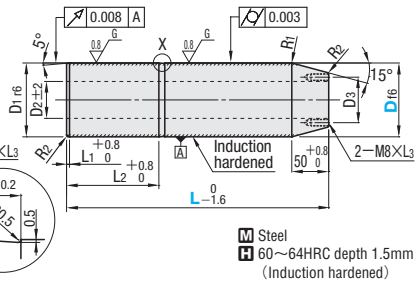
— VDI3356 — —DIN9834— —DIN9832—

Guide pillars —VDI3356—

DGPTA



DGPTB



Installation example see page 16

M Steel
H 60～64HRC depth 1.5mm (Induction hardened)

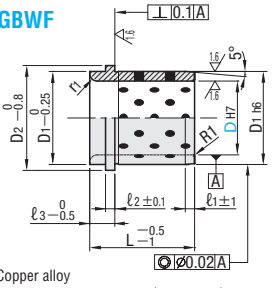
D_{f6}	$D_{1\,r6}$	D_2	D_3	L_1	L_2	L_3	R_1	R_2	VDI Code	Catalog No. Type	Catalog No. D	L
80	80	—	—	4	100	24	8	3	—	DGPTA	80	280
									80×315—VDI3356			315
									80×355—VDI3356			355
									80×400—VDI3356			400
									80×450—VDI3356			450
100	100	—	—	4	125	24	10	3	—		100	315
									100×355—VDI3356			355
									100×400—VDI3356			400
									100×450—VDI3356			450
100	100	50	62	4	125	24	10	3	—	DGPTB	100	315
									100/50×355—VDI3356			355
									100/50×400—VDI3356			400
									100/50×450—VDI3356			450
125	125	65	82	5	140	30	12	4	—		125	355
									125/65×400—VDI3356			400
									125/65×450—VDI3356			450
									125/65×500—VDI3356			500
160	160	95	119	5	180	30	18	4	—		160	450
									160/95×500—VDI3356			500
									160/95×560—VDI3356			560

Catalog No. — **L**

DGPTB 125 — 400

Guide bushings —DIN9834—

DGBWF



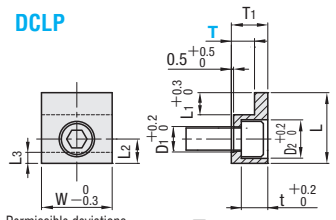
M Copper alloy
Special solid lubricant (embedded)

Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

D_{H7}	$D_{1\,h6}$	D_2	L	ℓ_1	ℓ_2	ℓ_3	r_1	DIN Code	Catalog No. Type	Catalog No. D
25	32	40	40	3	6.3	10	3	DIN9834— 25	DGBWF	25
32	40	50	50	4		12	3	DIN9834— 32		32
40	50	63	63	5		15	3	DIN9834— 40		40
50	63	71	71	6.3		17	5	DIN9834— 50		50
63	80	90	80	8	10	19	6	DIN9834— 63		63
80	100	112	100	10		22	8	DIN9834— 80		80
100	125	140	125	12.5		21	10	DIN9834—100		100
125	160	180	160	16		30	12	DIN9834—125		125
160	200	220	200	16		32	18	DIN9834—160		160

Clamps for guide bushing —DIN9832—

DCLP



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

M S45C
S Black oxide (Fe_3O_4)
A Hexagon socket head cap screw

BD	L	L_1	L_2	L_3	W	T_1	t	D_1	D_2	D_3	A	DIN Code	Catalog No. Type	Catalog No. T
25	20	5	7.5	3	20	10	7	7	11	58	CB 6—12	DIN9832—6.3	DCLP	6.3
32										66				
40										79				
50										89				
63	32	10	11	5	32	16	11.5	11.5	17.5	123	CB10—20	DIN9832—10		10
80										143				
100										168				
125										203				
160										243				

Catalog No.

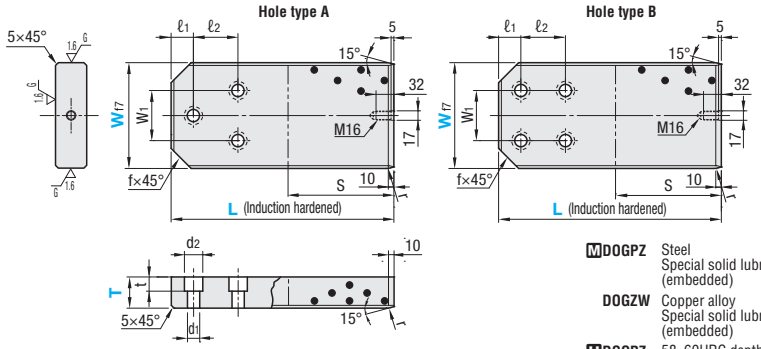
DGBWF 25
DCLP 10

Heel guide plates
— VDI3387 —

Screws are not included

DOGPZ (Steel type)
DOGZW (Copper alloy type)

Slide direction



M **DOGPZ** Steel
Special solid lubricant (embedded)

DOGZW Copper alloy
Special solid lubricant (embedded)

H **DOGPZ** 58–60HRC depth 1mm (Induction hardened)

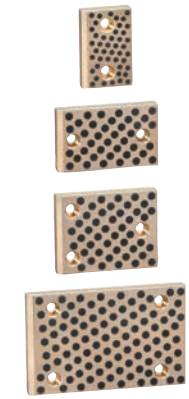
Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

W_{f7}		d_1	d_2	w_1	S	f	ℓ_1	ℓ_2	t	r	Hole type	VDI Code	Catalog No. Type	Catalog No. W	L	T
63	−0.030 −0.060	14	20	36	30	18	20	50	16	16	A	—	DOGPZ DOGZW	63	180	36
					50										200	
					74										224	
71					30									71	180	
					50										200	
				50	74										224	
90	−0.036 −0.071	18	26		40	28			21	25				90	200	45
					64										224	
					90										250	
112					40									112	200	
					64										224	
					90							VDI3387−112×45×250			250	
140	−0.043 −0.083	22	33	90	105	36	40	80	25.5	31.5	B	VDI3387−140×45×315		140	315	
					190							VDI3387−140×45×400			400	
												VDI3387−140×56×400			400	56
190	−0.050 −0.096	26	40	160								VDI3387−190×56×400		190	400	
240					320			160	30.5	31.5		VDI3387−240×56×500		240	500	
												VDI3387−240×56×630			630	

Catalog No.	—	L	—	T
DOGPZ 112	—	200	—	45
DOGZW 140	—	400	—	56

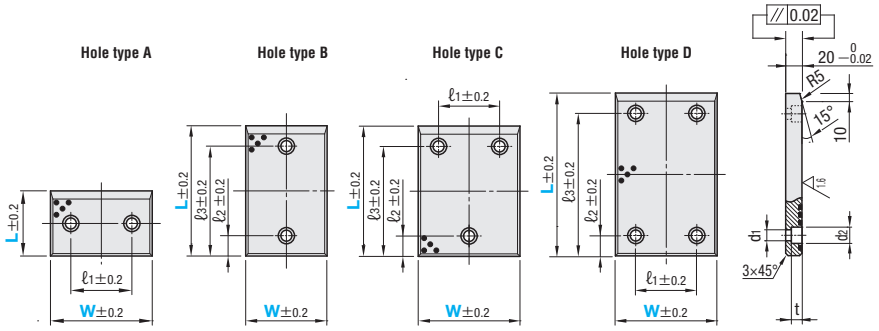
Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

Wear plates, 20mm thick
— copper alloy VDI3357 —



Screws are not included

DSEW



Slide direction

Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

M Copper alloy
Special solid lubricant (embedded)

Hole type	ℓ_1	ℓ_2	ℓ_3	d_1	d_2	t	VDI Code	Catalog No. Type	Catalog No. W	L
B	—	25	55	9	15	9	VDI3357—A—102	DSEW	50	80
			75	13.5	20	13	VDI3357—A—103			100
			100				VDI3357—A—104			125
			135				VDI3357—A—105			160
			175				VDI3357—A—106			200
A	30	—	—	9	15	9	VDI3357—A—111		80	50
B	—	25	55	13.5	20	13	VDI3357—A—112			80
			75				VDI3357—A—113			100
			100				VDI3357—A—114			125
			135				VDI3357—A—115			160
			175				VDI3357—A—116			200
		40	210				—			250
			275							315
A	50	—	—				VDI3357—A—121		100	50
							VDI3357—A—122			80
B	—	25	75				VDI3357—A—123			100
			100				VDI3357—A—124			125
			135				VDI3357—A—125			160
			175				VDI3357—A—126			200
		40	210				—			250A
D	50	25	225							250B
B	—	40	275							315
A	75	—	—				VDI3357—A—131		125	50
							VDI3357—A—132			80
C		25	75				VDI3357—A—133			100
			100				VDI3357—A—134			125
			135				VDI3357—A—135			160
			175				VDI3357—A—136			200
		40	210				—			250
			275							315
A	110	—	—				VDI3357—A—141		160	50
							VDI3357—A—142			80
C		25	75				VDI3357—A—143			100
			100				VDI3357—A—144			125
			135				VDI3357—A—145			160
			175				VDI3357—A—146			200A
D			175				—			200B
		40	210							250A
		25	225							250B
			275							300
		40	275							315

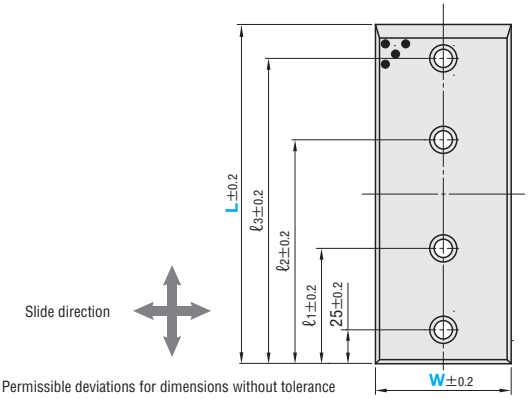
Catalog No.	—	L
DSEW 50	—	160

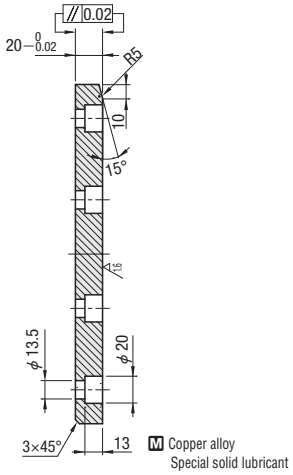
Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

Wear plates, 20mm thick
— copper alloy, long version —

Screws are not included

DSEWL





Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

ℓ1	ℓ2	ℓ3	VDI Code	Catalog No. Type	Catalog No. W	L
85	165	225	—	DSEWL	50	250
105	195	275				300
125	225	325				350
145	255	375				400
165	285	425				450
175	325	475				500
85	165	225			80	250
105	195	275				300
125	225	325				350
145	255	375				400
165	285	425				450
175	325	475				500
85	165	225			100	250
105	195	275				300
125	225	325				350
145	255	375				400
165	285	425				450
175	325	475				500
85	165	225			125	250
105	195	275				300
125	225	325				350
145	255	375				400
165	285	425				450
175	325	475				500
85	165	225			160	250
105	195	275				300
125	225	325				350
145	255	375				400
165	285	425				450
175	325	475				500

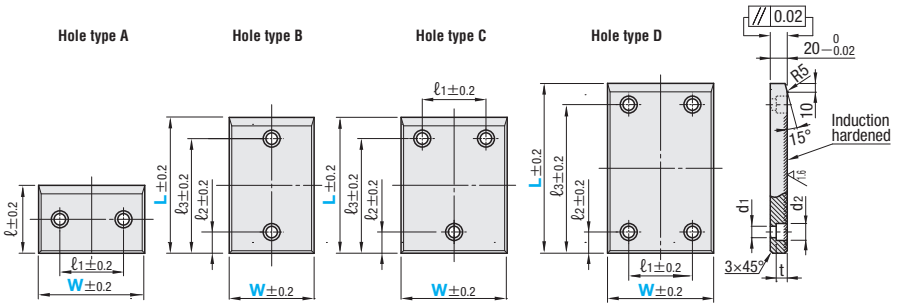
Catalog No.	—	L
DSEWL 50	—	250

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

Wear plates, 20mm thick
— steel VDI3357 —

Screws are not included

DMWP



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

M Steel
H 60~64HRC depth 1mm (Induction hardened)

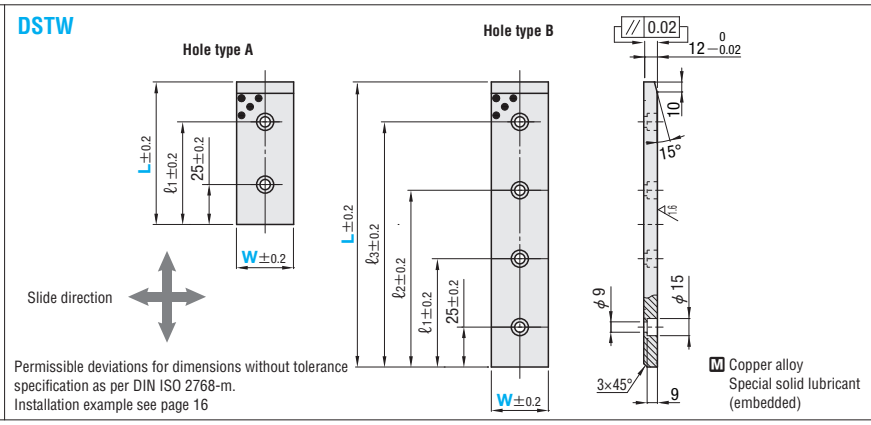
Hole type	ℓ_1	ℓ_2	ℓ_3	d_1	d_2	t	VDI Code	Catalog No. Type	Catalog No. W	L
B	—	25	55	9	15	9	VDI3357—A—152	DMWP	50	80
			75	13.5	20	13	VDI3357—A—153			100
			100				VDI3357—A—154			125
			135				VDI3357—A—155			160
			175				VDI3357—A—156			200
A	30	—	—	9	15	9	VDI3357—A—161		80	50
B	—	25	55	13.5	20	13	VDI3357—A—162			80
			75				VDI3357—A—163			100
			100				VDI3357—A—164			125
			135				VDI3357—A—165			160
			175				VDI3357—A—166			200
		40	210				—			250
			275							315
A	50	—	—				VDI3357—A—171		100	50
							VDI3357—A—172			80
B	—	25	75				VDI3357—A—173			100
			100				VDI3357—A—174			125
			135				VDI3357—A—175			160
			175				VDI3357—A—176			200
		40	210				—			250A
D	50	25	225							250B
B	—	40	275							315
A	75	—	—				VDI3357—A—181		125	50
							VDI3357—A—182			80
C		25	75				VDI3357—A—183			100
			100				VDI3357—A—184			125
			135				VDI3357—A—185			160
			175				VDI3357—A—186			200
		40	210				—			250
			275							315
A	110	—	—				VDI3357—A—191		160	50
							VDI3357—A—192			80
C		25	75				VDI3357—A—193			100
			100				VDI3357—A—194			125
			135				VDI3357—A—195			160
			175				VDI3357—A—196			200A
D			175				—			200B
		40	210							250A
		25	225							250B
			275							300
		40	275							315

Catalog No.	—	L
DMWP 50	—	125

Wear plates, 12mm thick
— copper alloy VDI3357 —

Screws are not included

DSTW



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 16

M Copper alloy
Special solid lubricant (embedded)

Hole type	ℓ_1	ℓ_2	ℓ_3	VDI Code	Catalog No. Type	Catalog No. W	L
A	55	—	—	VDI3357—B—202	DSTW	30	80
	75			VDI3357—B—203			100
	100			VDI3357—B—204			125
	135			VDI3357—B—205			160
	175			VDI3357—B—206			200
	200			—			225
B	85	165	225				250
	85	175	235				260
	85	195	255				280
	105	195	275				300
	105	215	295				320
A	55	—	—	VDI3357—B—212		40	80
	75			VDI3357—B—213			100
	100			VDI3357—B—214			125
	135			VDI3357—B—215			160
	175			VDI3357—B—216			200
	55			VDI3357—B—222		50	80
	75			VDI3357—B—223			100
	100			VDI3357—B—224			125
	135			VDI3357—B—225			160
	175			VDI3357—B—226			200
	200			—			225
B	85	165	225				250
	105	195	275				300
	125	225	325				350
	145	255	375				400
A	55	—	—	VDI3357—B—232		60	80
	75			VDI3357—B—233			100
	100			VDI3357—B—234			125
	135			VDI3357—B—235			160
	175			VDI3357—B—236			200
	200			—			225
B	85	155	215				240
	85	165	225				250
	85	175	235				260
	85	195	255				280
A	55	—	—	VDI3357—B—242		80	80
	75			VDI3357—B—243			100
	100			VDI3357—B—244			125
	135			VDI3357—B—245			160
	175			VDI3357—B—246			200
	200			—			225
B	85	155	215				240
	85	165	225				250
	85	175	235				260
	85	195	255				280
	85	155	215			100	240
	85	175	235				260
	85	195	255				280

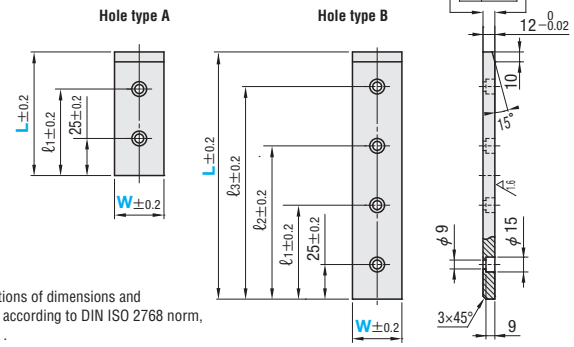
Catalog No.	—	L
DSTW 80	—	250

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

Wear plates, 12mm thick
— steel VDI3357 —

Screws are not included

DMWT



M Steel
H 60~64HRC depth 1mm (Induction hardened)

For admissible deviations of dimensions and tolerance indications according to DIN ISO 2768 norm, please refer to part 1 .
Installation example see page 16 and 17

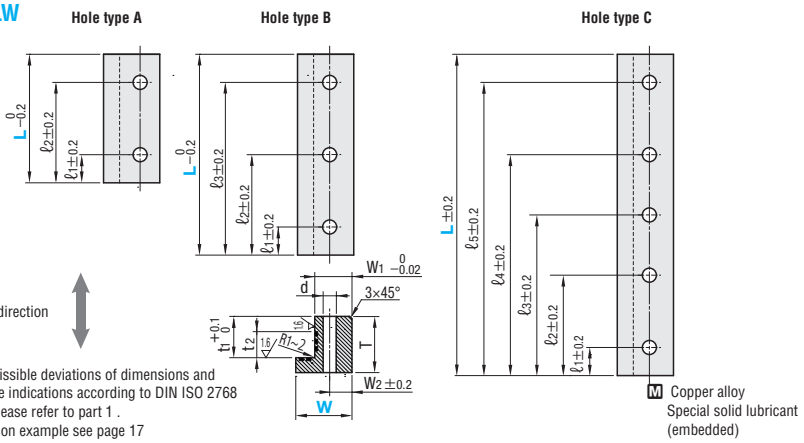
Hole type	ℓ_1	ℓ_2	ℓ_3	VDI Code	Catalog No. Type	Catalog No. W	L
A	55	—	—	VDI3357—B—252	DMWT	30	80
	75			VDI3357—B—253			100
	100			VDI3357—B—254			125
	135			VDI3357—B—255			160
	175			VDI3357—B—256			200
	55			VDI3357—B—262		40	80
	75			VDI3357—B—263			100
	100			VDI3357—B—264			125
	135			VDI3357—B—265			160
	175			VDI3357—B—266			200
	200						225
B	85	155	215	—			240
		165	225				250
		175	235				260
		195	255				280
A	55	—	—	VDI3357—B—272		50	80
	75			VDI3357—B—273			100
	100			VDI3357—B—274			125
	135			VDI3357—B—275			160
	155			—			180
	175			VDI3357—B—276			200
	200						225
B	85	155	215	—			240
		165	225				250
		175	235				260
		195	255				280
A	55	—	—	VDI3357—B—282		60	80
	75			VDI3357—B—283			100
	100			VDI3357—B—284			125
	135			VDI3357—B—285			160
	175			VDI3357—B—286			200
	200						225
B	85	155	215	—			240
		165	225				250
		175	235				260
		195	255				280
	105	195	275				300
		215	295				320
		235	315				340
	125	225	325				350
A	55	—	—	VDI3357—B—292		80	80
	75			VDI3357—B—293			100
	100			VDI3357—B—294			125
	135			VDI3357—B—295			160
	175			VDI3357—B—296			200
	200						225
B	85	155	215	—			240
		165	225				250
		175	235				260
		195	255				280
	105	195	275				300
		215	295				320
		235	315				340
	125	225	325				350
	85	165	225			100	250
	85	195	255				280
	105	195	275				300
	105	215	295				320
	105	235	315				340
	125	225	325				350

Catalog No.	—	L
DMWT 50	—	160

L gibs
— copper alloy VDI3357 —

Screws are not included

DSTLW



For admissible deviations of dimensions and tolerance indications according to DIN ISO 2768 norm, please refer to part 1 .
Installation example see page 17

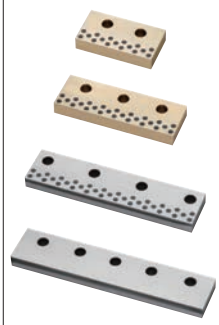
M Copper alloy
Special solid lubricant (embedded)

Hole type	W_1	W_2	T	t_1	t_2	ℓ_1	ℓ_2	ℓ_3	ℓ_4	ℓ_5	d	VDI Code	Catalog No. Type	Catalog No. W	L
A	18	9	15.5	8.5	6	27.5	97.5	—	—	—	9	—	DSTLW	25	125
							132.5								160
	22	11	30.5	15.5	9		97.5				11			32	125
							132.5								160
							172.5								200
	30	15	50.5	34.5	18		72.5				13.5			45	100
							132.5								160
	37	20	55.5	39.5	23		72.5					VDI3357—F—601		55	100
							132.5					VDI3357—F—602			160
	50	30	75.5	55.5	35	35	125				17.5	VDI3357—F—611		70	160
							165					VDI3357—F—612			200
B							125	215				VDI3357—F—613			250
C							125	200	275	365		VDI3357—F—614			400
A	63	38	90.5	65.5	45	42.5	117.5	—	—	—	22	VDI3357—F—621		85	160
							157.5					VDI3357—F—622			200
B							125	207.5				VDI3357—F—623			250
C							125	200	275	357.5		VDI3357—F—624			400

Catalog No.	—	L
DSTLW 45	—	160

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the solid lubricant in the part. Please consider the notes on page 15.

Gib plates
— VDI3357 —

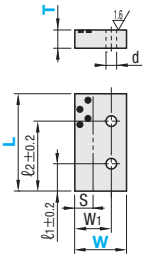


Screws are not included

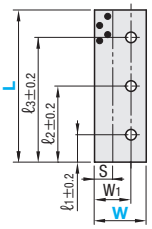
DCUPW (copper alloy type)
DCUPS (steel with special solid lubricant type)
DCUPSN (steel without special solid lubricant type)

Slide direction

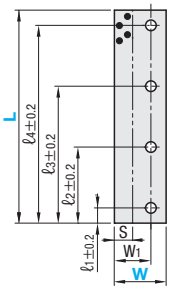
Hole type A



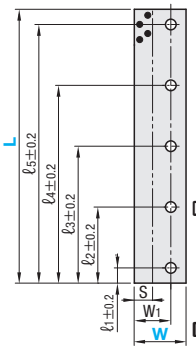
Hole type B



Hole type C



Hole type D



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m
Installation Example see page 17

MDCUPW	Copper alloy Special solid lubricant (embedded)
DCUPS	Steel Special solid lubricant (embedded)
DCUPSN	Steel
HDCUPS / DCUPSN	60～64HRC depth 1mm (Induction hardened)

Hole type	W_1	ℓ_1	ℓ_2	ℓ_3	ℓ_4	ℓ_5	S	d	VDI Code (Copper alloy)	VDI Code (Steel with special solid lubricant)	VDI Code (Steel without special solid lubricant)	Catalog No. Type	Catalog No. W	L	T
A	20	45	115	—			10	11	VDI3357—E—501	VDI3357—E—551	VDI3357—D—401			160	10
		45	155						VDI3357—E—502	VDI3357—E—552	VDI3357—D—402		35	200	10
B		45	125	205					VDI3357—E—503	VDI3357—E—553	VDI3357—D—403			250	10
A	30	45	115	—			15	13.5	VDI3357—E—505	VDI3357—E—555	VDI3357—D—405			160	15
		45	155						VDI3357—E—506	VDI3357—E—556	VDI3357—D—406		45	200	15
B		45	125	205					VDI3357—E—507	VDI3357—E—557	VDI3357—D—407			250	15
A	35	45	115	—	—	—	20	17.5	VDI3357—E—511	VDI3357—E—561	VDI3357—D—411			160	15
		45	155						VDI3357—E—512	VDI3357—E—562	VDI3357—D—412		55	200	15
B		45	125	205					VDI3357—E—513	VDI3357—E—563	VDI3357—D—413			250	15
A	40	45	115	—			25		VDI3357—E—521	VDI3357—E—571	VDI3357—D—421			160	25
		45	155						VDI3357—E—522	VDI3357—E—572	VDI3357—D—422		75	200	25
B		45	125	205					VDI3357—E—523	VDI3357—E—573	VDI3357—D—423			250	25
	60	25	120	215			30	22	—	—	—			240	28
C		25	110	190	275									300	28
		25	125	225	325									350	28
		25	140	260	375									400	28
D		25	125	225	325	425								450	28
A		45	115	—									85	160	30
		45	155											200	30
B		45	125	205	—	—								250	30
		45	150	255										300	30
		45	175	305										350	30
D		45	125	200	275	355								400	30
A		45	115	—	—	—		17.5	VDI3357—E—531	VDI3357—E—581	VDI3357—D—431			160	25
		45	155						VDI3357—E—532	VDI3357—E—582	VDI3357—D—432			200	25
B		45	125	205					VDI3357—E—533	VDI3357—E—583	VDI3357—D—433			250	25
D		45	125	200	275	355			VDI3357—E—534	VDI3357—E—584	VDI3357—D—434			400	25
A		45	115	—	—	—		22	VDI3357—E—541	VDI3357—E—591	VDI3357—D—441			160	30
		45	155						VDI3357—E—542	VDI3357—E—592	VDI3357—D—442			200	30
B		45	125	205					VDI3357—E—543	VDI3357—E—593	VDI3357—D—443			250	30
D		45	125	200	275	355			VDI3357—E—544	VDI3357—E—594	VDI3357—D—444			400	30
A	75	45	115	—	—	—		17.5	—	—	—			160	25
		45	155											200	25
B		45	125	205										250	25
C	80	25	110	190	275			26						300	25
		25	125	225	325									350	25
		25	140	260	375									400	25A
D	75	45	125	200	275	355		17.5						400	25B
	80	25	125	225	325	425		26						450	25
		25	135	250	365	475							125	500	25
A	75	45	115	—	—	—		22						160	30
		45	155											200	30
B		45	125	205										250	30
		45	150	255										300	30
		45	175	305										350	30
D		45	125	200	275	355								400	30
		50	130	225	320	400								450	30
		50	130	250	370	450								500	30

DCUPW (Copper alloy)
DCUPS (Steel with special solid lubricant)
DCUPSN (Steel without special solid lubricant)

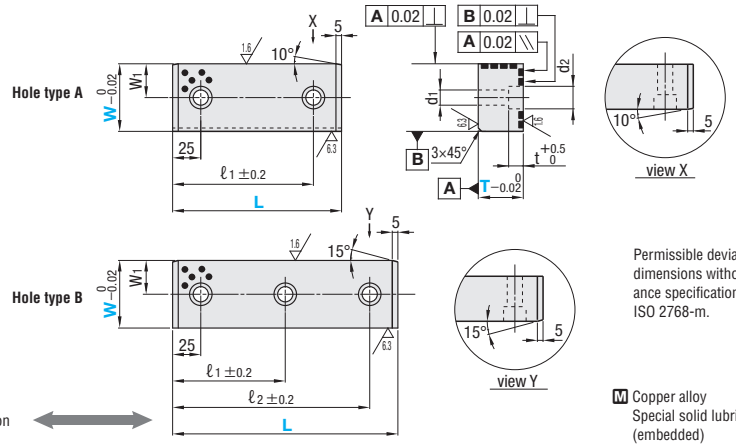
Catalog No.	—	L	—	T
DCUPW 35	—	160	—	10
DCUPS 100	—	200	—	25
DCUPSN 125	—	400	—	30

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

Wear strips with two slide surfaces
— VDI3357 —

Screws are not included

DCSPW



Hole type	W_1	ℓ_1	ℓ_2	d_1	d_2	t	VDI Code	Catalog No. Type	Catalog No. W	L	T
A	12.5	85	—	9	15	8.5	VDI3357—C—301	DCSPW	25	110	12
		95					VDI3357—C—302			120	
		85		11	18	10.5	VDI3357—C—311			110	15
		95					VDI3357—C—312			120	
	30	100		13.5	20	13	VDI3357—C—321		60	125	30
		125					—			150	
		135					VDI3357—C—322			160	
B		100	175				VDI3357—C—323			200	
A		100	—				VDI3357—C—331			125	40
		125					—			150	
		135					VDI3357—C—332			160	
B		100	175				VDI3357—C—333			200	

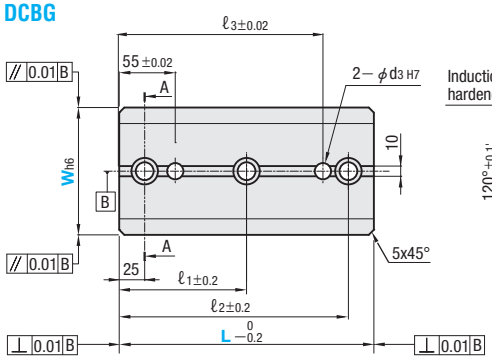
Catalog No.	—	L	—	T
DCSPW 60	—	160	—	30

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

■U Guides —VDI3357—

Screws are not included

DCBG



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m. Installation Example see page 17

M Steel
H 55~60HRC (Induction hardened)

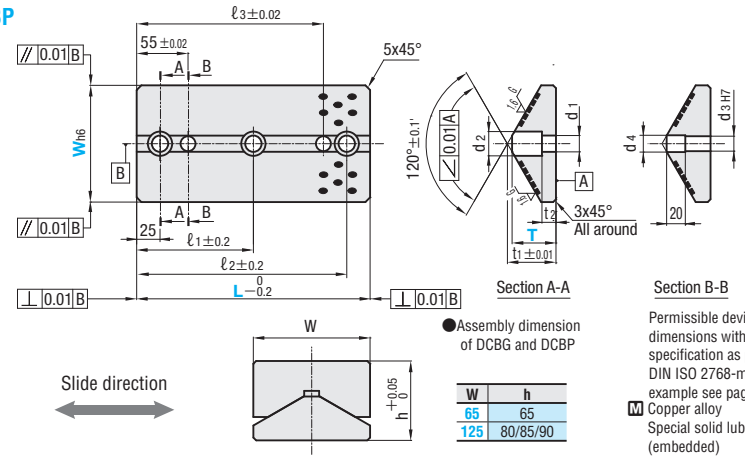
No. of bolt holes	ℓ1	ℓ2	ℓ3	t1	t2	t3	d1	d2	d3	VDI Code	Catalog No. Type	Catalog No. W	L	T
2	—	125	100	18	17	8	13.5	20	12	VDI3357—G—701	DCBG	65	150	35
	—	175	150							VDI3357—G—702			200	35
3	125	225	200							VDI3357—G—703			250	35
	150	275	250							VDI3357—G—704			300	35
2	—	125	100	28	27	15	17.5	26	16	VDI3357—G—711		125	150	60A
	—	175	150							VDI3357—G—712			200	60A
3	125	225	200							VDI3357—G—713			250	60A
	150	275	250							VDI3357—G—714			300	60A
2	—	125	100	33	32					—			150	60B
	—	175	150										200	60B
3	125	225	200										250	60B
	150	275	250										300	60B

Catalog No.	—	L	—	T
DCBG 65	—	150	—	35

■V Guides —VDI3357—

Screws are not included

DCBP



●Assembly dimension of DCBG and DCBP

W	h
65	65
125	80/85/90

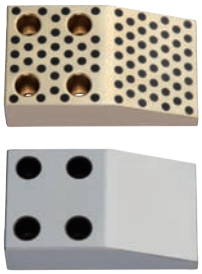
Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m. Installation example see page 17

M Copper alloy
Special solid lubricant (embedded)

No. of bolt holes	ℓ1	ℓ2	ℓ3	t1	t2	d1	d2	d3	d4	VDI Code	Catalog No. Type	Catalog No. W	L	T
2	—	125	100	47	20	13.5	20	12	14	VDI3357—G—751	DCBP	65	150	44
	—	175	150							VDI3357—G—752			200	
3	125	225	200							VDI3357—G—753			250	
	150	275	250							VDI3357—G—754			300	
2	—	125	100	52	15	17.5	26	16	18	—		125	150	47
	—	175	150										200	
3	125	225	200										250	
	150	275	250										300	
2	—	125	100	57						VDI3357—G—761			150	52
	—	175	150							VDI3357—G—762			200	
3	125	225	200							VDI3357—G—763			250	
	150	275	250							VDI3357—G—764			300	

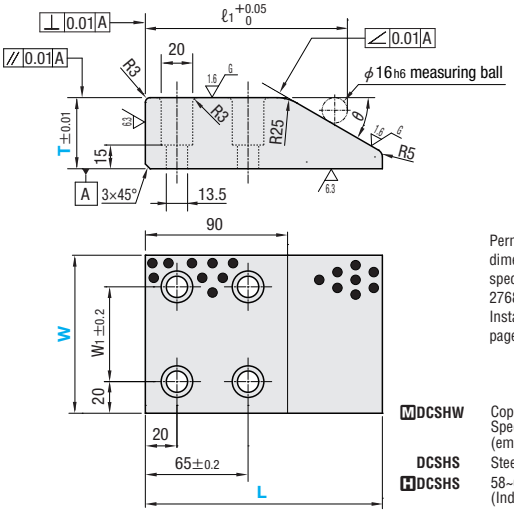
Catalog No.	—	L	—	T
DCBP 65	—	150	—	44

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.



Screws are not included

DCSHW
(copper alloy type)
DCSHS
(steel type)



Permissible deviations for dimensions without tolerance specification as per DIN ISO 2768-m.
Installation example see page 17

MDCSHW	Copper alloy Special solid lubricant (embedded)
DCSHS	Steel
HDCSHS	58~62HRC (Induction hardened)

θ	ℓ1	W1	VDI Code (Copper alloy)	VDI Code (Steel)	Catalog No. Type	Catalog No. W	L	T
20	143.37	60	VDI3357—H—801	VDI3357—H—841	DCSHW (Copper alloy) DCSHS (Steel)	100	170	45
		85	VDI3357—H—802	VDI3357—H—842		125		
		110	VDI3357—H—803	VDI3357—H—843		150		
		160	VDI3357—H—804	VDI3357—H—844		200		
30	127.86	60	VDI3357—H—811	VDI3357—H—851		100	150	45
		60	VDI3357—H—812	VDI3357—H—852		100	170	60
		85	VDI3357—H—813	VDI3357—H—853		125	150	45
		85	VDI3357—H—814	VDI3357—H—854		125	170	60
		110	VDI3357—H—815	VDI3357—H—855		150	150	45
		110	VDI3357—H—816	VDI3357—H—856		150	170	60
		160	VDI3357—H—817	VDI3357—H—857		200	150	45
		160	VDI3357—H—818	VDI3357—H—858		200	170	60

Catalog No.	—	L	—	T
DCSHW 100	—	170	—	45
DCSHS 150	—	170	—	60

Before operation, make sure to grease the guide element (initial lubrication). Only this first lubrication is necessary thanks to the embedded solid lubricant. Please consider the notes on page 15.

■Information about components with embedded solid lubricant

MISUMI oil-free components are produced by embedding a special solid lubricant at appropriate locations.
The metal base material supports the load while the embedded solid lubricant provides lubrication, resulting in superior oil-free durability even under harsh conditions.

■Note

Usually there is no additional lubrication required.
The required lubrication during the process will be done by the lubricant in the graphite.

We recommend an initial break-in greasing before the first use and after every cleaning of the tools. This can be done by using oils or lithium containing greases (see table below). Please be aware that an excessively thick layer of grease can damage the graphite pockets. Do not use grease which can close the porous surface structure of the graphite pockets.

During the cleaning process, the use of degreasant can damage the slide elements and is therefore not permitted.

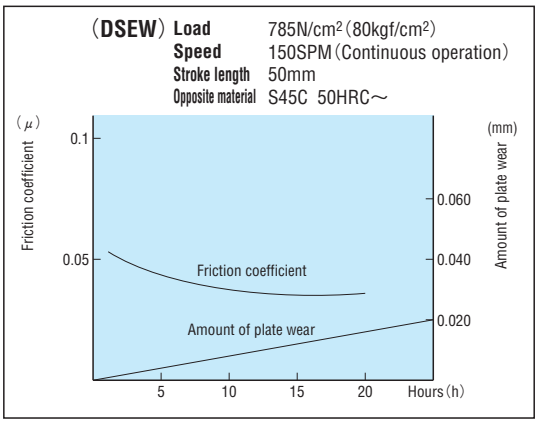
Please avoid the direct contact with high pressure on the graphite pockets (e.g. by the use of high pressure cleaner during the cleaning process).

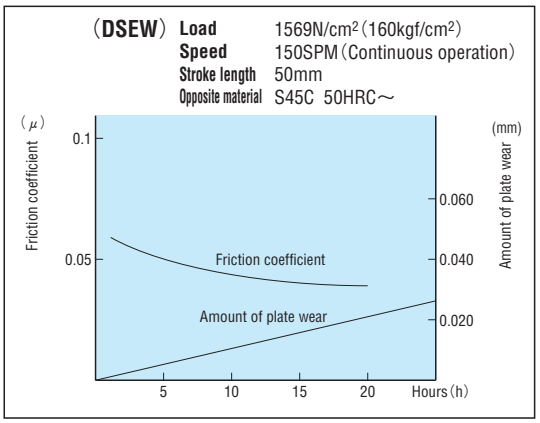
■Physical properties

M	Catalog No.	Max. allowable load N/mm²	Max. allowable sliding speed m/min.	Limit PV N/mm²·m/min.	Specific gravity	Base material hardness (HB)	Tensile strength N/mm²
Copper alloy+ Special solid lubricant	**DGBWF - DSEW - DSEWL - DSTW - DSTLW - DCUPW - DCSPW - DCBP - DCSHW**	36 ～ 50	15 ～ 30	100	8.2	>210	765

●Load {kgf} =Load {N}×0.101972

■Wear test graph

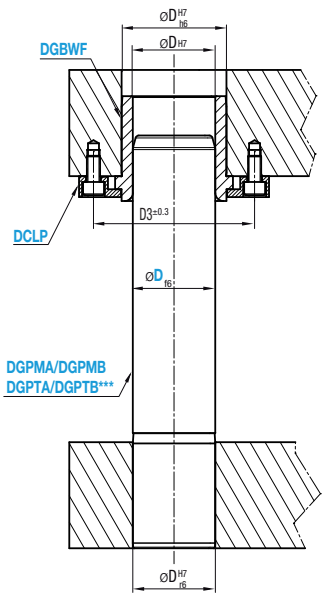




	Oils	Grease
SHELL	Donax TM Donax TF	Retanix LX
ESSO	ATF Suffix A ATF -D	Nebula EP 2 Beacon EP 2
BP	Autran DX II	Energrease
OMV	ATF Serie	OMV signum
Fuchs		Renolit CA-LZ Renolit LX-PEP 2
AGIP	Porta ATF	Agip GR MU 2

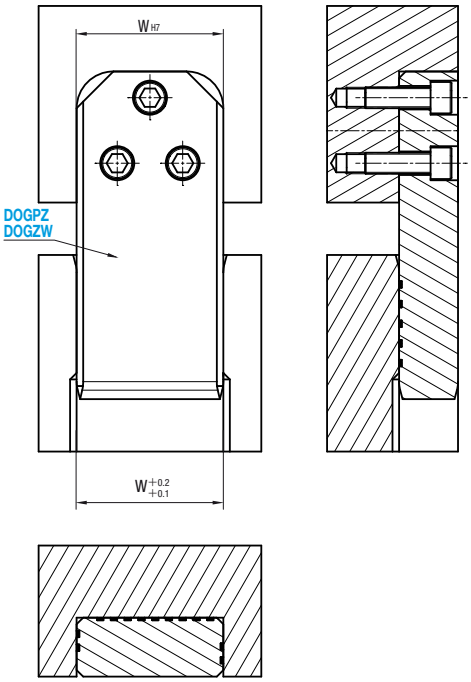
Installation Examples

Installation Example
Guide Pillars and Guide Bushings
Page 2–3

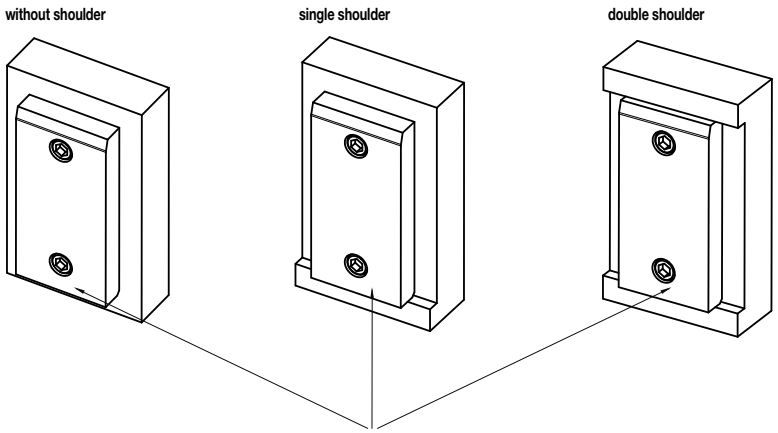


***DGPTA/DGPTB not shown

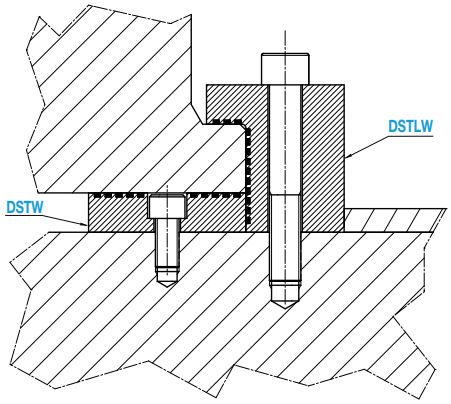
Installation Example
Heel Guide Plates
Page 4



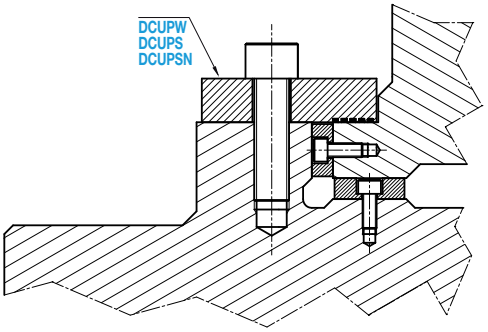
Installation Example
Wear Plates
Page 5–9



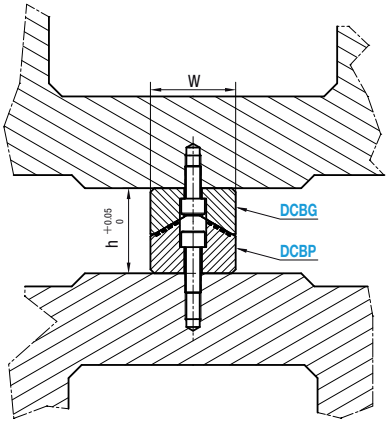
Installation Example
L gibs
Page 10



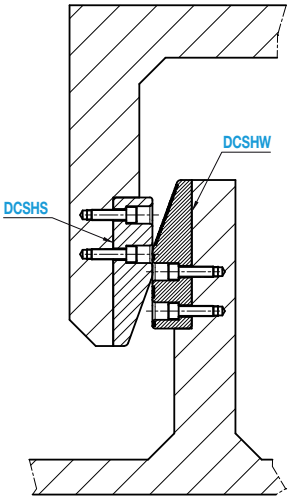
Installation Example
Gib Plates
Page 11



Installation Example
V & U Guides
Page13



Installation Example
Cam Dwells
Page 14



Notes

Notes

WEB ORDERING SYSTEM

https://www.misumi-ec.com/de

Offers and orders automatically within 24h

- simple way of importing parts lists
- quick help with faulty product names
- repeat orders possible
- follow up your order status

The following extracts of the MISUMI main catalog are available:

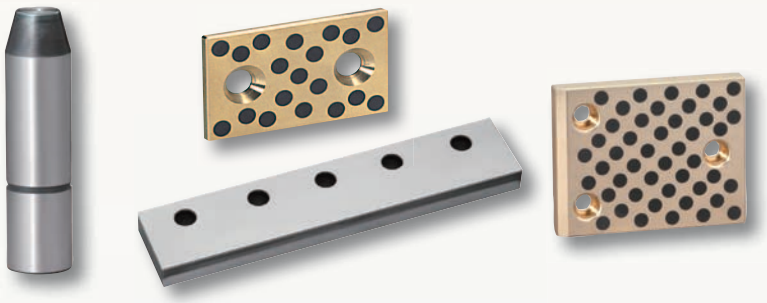
MISUMI
Components | Guiding Components

MISUMI
Locating Components for press die

MISUMI
Cam Unit

MISUMI
ISO Coil Springs

MiSUMi



DAYTON®

Advanced Technologies

a MISUMI Group Company