

PRODUCTO

DIECO

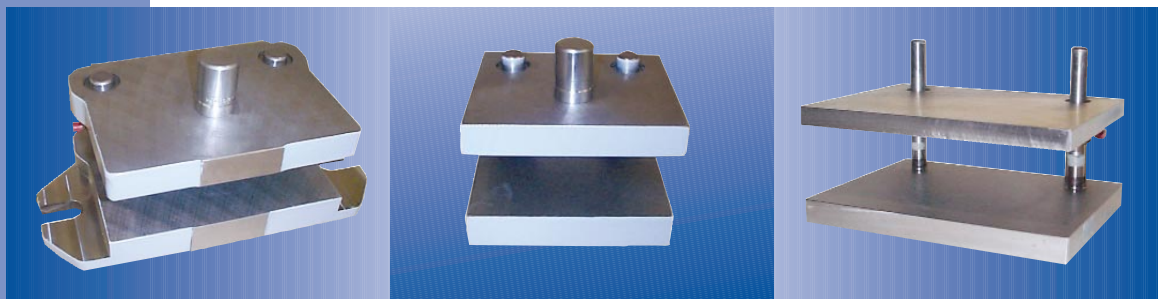
Catalog Die Sets

Flatback Die Sets

Steel Punch Shanks



DIE SETS



Producto precision

Precision manufacturing and assembly is our business and no one understands your custom tool needs better. Whether a precision catalog die set or a special flatback die set, Producto master die sets offer unparalleled performance.

Catalog Die Sets

Producto manufactures and stocks a full line of precision catalog die sets ready for immediate shipment. Each die set is manufactured to exacting tolerances from A-36 hot rolled stress relieved steel. These precision tools are assembled by trained and skilled toolmakers with the components that are specified by you. You specify the bushing and pin style and length to meet your requirements. We provide same day shipment if ordered before 1:00 PM each day.

Flatback Die Sets

Special die sets can be furnished in practically any length, width or plate thickness as specified. As with all Producto die sets, these are manufactured from A-36 hot rolled steel on precision CNC machining centers in a temperature controlled environment to insure dependable quality and performance.

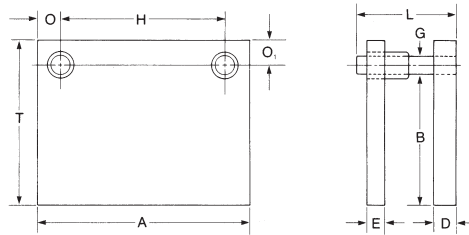
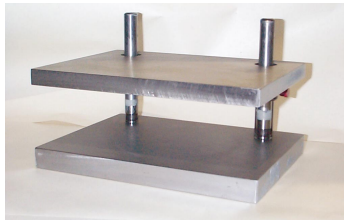
The chart indicates suggested pin and bushing positioning. If you do not provide pin and bushing locations, we will use the dimensions within the chart.

Both the punch holder and die shoe are ground to clean-up tolerances which are $+0.0625'' - 0.125''$ from nominal. Finished plate sizes must be specified if thickness requirements are different. Edges are torch cut unless otherwise specified as machine finished.

Producto can provide additional precision machining, stress relieving, bolt pads, milled pockets, torch cut burn outs and handling holes. All additional machining must be specified when ordering. A print for additional machining or geometric features is required.

These die sets are available with your choice of guide pins, bushings and shanks as shown in our catalog.

LIGHT DUTY SERIES



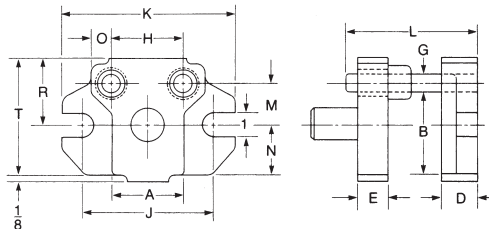
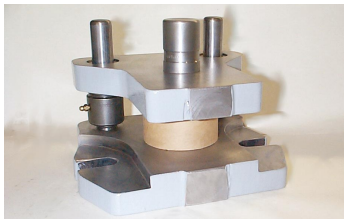
Ordering information

To order specify:

1. Quantity
2. Catalog number
3. Type of bushings
4. Guide pin length (L)
5. Shank size or **no** shank

Catalog Number		Die Space		Thickness		General Dimensions									
Catalog Number	Left to right A	Front to back B	Die Holder D	Punch Holder E	G	H	J	K	M	N	O	O ₁	P	R	T
AW-2	8.00	4.62	1.00	0.75	0.75	6.00					1.00	1.00			6.00
AW-4	9.00	5.62	1.00	0.75	0.75	7.00					1.00	1.00			7.00
AW-6	11.00	6.00	1.00	0.75	0.75	7.62					1.69	1.62			8.00

REAR 2-PIN DIE SETS



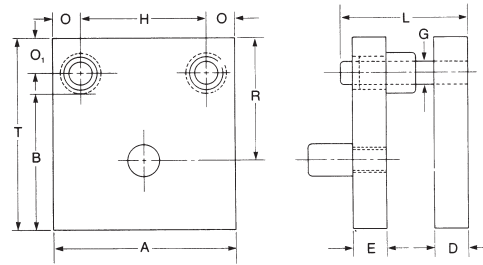
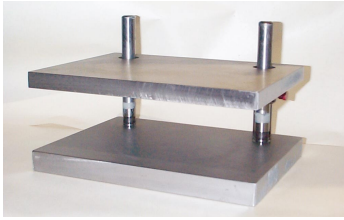
Ordering information

To order specify:

1. Quantity
2. Catalog number
3. Type of bushings
4. Guide pin length (L)
5. Shank size or **no** shank

Catalog Number		Die Space		Thickness		General Dimensions									
Catalog Number	Left to right A	Front to back B	Die Holder D	Punch Holder E	G	H	J	K	M	N	O	O ₁	P	R	T
33-C-11	3.00	3.00	1.12	1.00	0.75	3.00	5.50	7.25	1.75	1.62	0.87			2.75	4.37
34-C-11	3.00	4.00	1.25	1.00	1.00	3.00	5.25	7.74	2.25	2.25	1.25			3.62	5.85
43-C-11	4.00	3.00	1.25	1.00	1.00	3.00	6.25	8.75	1.75	1.75	1.31			3.19	4.94
44-C-11	4.00	4.00	1.37	1.25	1.00	3.00	6.25	8.75	2.25	2.25	1.37			3.75	6.00
45-C-11	4.00	5.00	1.37	1.25	1.00	4.00	6.25	8.75	2.25	2.25	1.37			4.25	7.00
46-C-11	4.50	6.00	1.50	1.25	1.00	5.00	6.25	9.25	3.25	3.25	1.37			4.75	8.0
54-C-11	5.00	4.00	1.37	1.25	1.00	4.00	7.25	9.75	2.25	2.25	1.37			3.75	6.00
55-C-11	5.00	5.00	1.50	1.25	1.00	4.00	7.25	8.75	2.75	2.75	1.37			4.25	7.00
64-C-11	6.50	4.50	1.50	1.25	1.00	5.50	8.75	11.25	2.37	2.62	1.37			3.87	6.50
65-C-11	6.50	5.00	1.50	1.25	1.00	5.50	8.75	11.25	2.75	2.75	1.37			4.25	7.00
66-C-11	6.50	6.00	1.50	1.25	1.00	5.50	8.75	11.25	3.25	3.25	1.50			4.87	8.12
75-C-11	7.50	5.00	1.50	1.25	1.00	6.50	9.87	12.37	2.75	2.75	1.37			4.25	7.00
77-C-11	7.50	7.00	1.50	1.25	1.00	6.50	9.75	12.25	3.62	3.87	1.37			5.12	9.00
84-C-11	8.50	4.00	1.50	1.25	1.00	7.62	10.75	13.25	2.25	2.25	1.37			3.75	6.00
86-C-11	8.75	6.25	1.50	1.25	1.00	7.62	11.00	13.50	3.37	3.37	1.37			4.87	8.25
88-C-11	8.50	8.00	1.50	1.25	1.00	7.62	10.75	13.25	4.25	4.25	1.37			5.75	10.00
95-C-11	9.50	5.00	1.50	1.25	1.00	7.62	11.75	14.25	2.75	2.75	1.37			4.25	7.00
105-C-11	10.00	5.00	1.50	1.25	1.25	8.75	12.25	14.75	3.12	3.00	1.50			4.75	7.75
1010-C-11	10.00	10.00	1.62	1.37	1.25	11.00	12.25	14.75	5.31	5.31	1.62			7.06	12.37

RECTANGULAR DIE SETS – PS SERIES



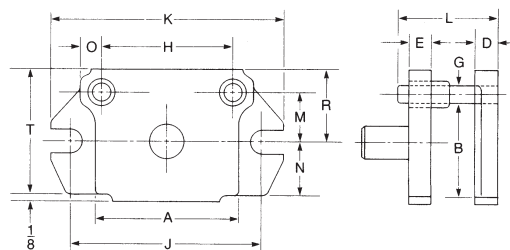
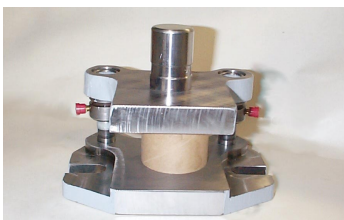
Ordering information

To order specify:

1. Quantity
2. Catalog number
3. Type of bushings
4. Guide pin length (L)
5. Shank size or **no** shank

Catalog Number		Die Space		Thickness		General Dimensions									
Catalog Number	Left to right A	Front to back B	Die Holder D	Punch Holder E	G	H	J	K	M	N	O	O ₁	P	R	T
55-N-11	5.00	5.00	1.50	1.25	0.75	3.00					1.00	1.00		4.19	6.69
66-N-11	6.00	6.00	1.50	1.25	1.00	3.00					1.50	1.50		5.37	8.37
75-N-11	7.00	5.00	1.50	1.25	1.00	4.00					1.50	1.50		4.87	7.37
86-N-11	8.00	6.00	1.50	1.50	1.00	5.50					1.25	1.50		5.37	8.37
88-N-11	8.00	8.00	1.50	1.50	1.00	5.50					1.25	1.50		6.37	10.37
107-N-11	10.00	7.00	1.50	1.50	1.25	6.50					1.75	1.62		6.12	9.62
1010-N-11	10.00	10.00	1.50	1.50	1.25	6.50					1.75	1.62		7.62	12.62
118-N-11	11.00	8.00	1.50	1.50	1.25	7.62					1.69	1.62		6.62	10.62
126-N-11	12.00	6.00	1.50	1.50	1.25	8.75					1.62	1.62		5.62	8.62
129-N-11	12.00	9.00	1.50	1.50	1.25	8.75					1.62	1.62		7.12	11.62
1212-N-11	12.00	12.00	1.50	1.50	1.50	7.62					2.19	2.12		9.25	15.25
148-N-11	14.00	8.00	1.50	1.50	1.50	11.00					1.50	2.12		7.25	11.25
1410-N-11	14.00	10.00	1.50	1.50	1.50	11.00					1.50	2.12		8.25	13.25
1414-N-21	14.00	14.00	2.00	1.50	1.50	11.00					1.50	2.12		10.25	17.25
157-N-11	15.00	7.00	1.50	1.50	1.50	11.00					1.50	2.12		6.75	10.25
1810-N-11	18.00	10.00	1.50	1.50	1.50	14.00					2.00	2.12		8.25	13.25

BENCH PRESS DIE SETS



Ordering information

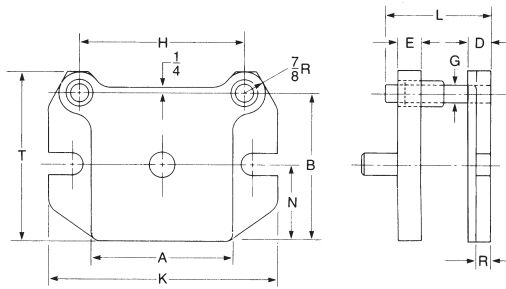
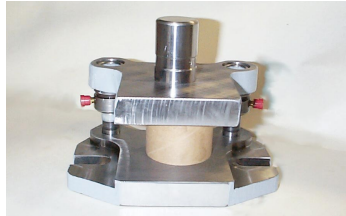
To order specify:

1. Quantity
2. Catalog number
3. Type of bushings
4. Guide pin length (L)
5. Shank size or **no** shank

Catalog Number		Die Space		Thickness		General Dimensions									
Catalog Number	Left to right A	Front to back B	Die Holder D	Punch Holder E	G	H	J	K	M	N	O	O ₁	P	R	T
A-704	2.75	2.75	1.00	0.75	0.50	3.00	4.50	6.25	1.50	1.50	0.75			2.25	3.75
A-706	4.00	2.50	1.00	0.75	0.75	3.00	6.00	7.75	1.37	1.50	0.87			2.25	3.75
A-711	6.00	4.00	1.00	1.00	0.75	5.50	8.00	9.75	2.12	2.25	0.87			3.00	5.25

FOOT PRESS DIE SETS

- Furnished complete with short, straight or shoulder bushings and guide-pins
- Designed for light stamping work on small power presses
- Guide pins are located outside die area to permit full use of die space when feeding stock



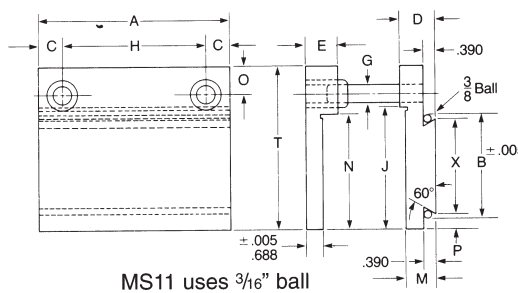
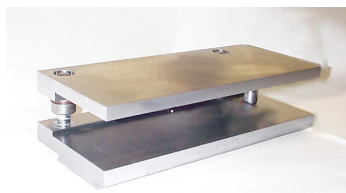
Ordering information

- To order specify:
1. Quantity
 2. Catalog number
 3. Type of bushings
 4. Guide pin length (L)
 5. Shank size or **no** shank

Catalog Number		Die Space		Thickness		General Dimensions									
Catalog Number	Left to right A	Front to back B	Die Holder D	Punch Holder E	G	H	J	K	M	N	O	O ₁	P	R	T
A-33	3.00	3.00	1.00	1.00	0.75	4.00		6.75		1.75				0.62	4.12
A-43	4.00	3.00	1.00	1.00	0.75	5.00		7.75		1.50				0.62	4.12
A-53	5.00	3.00	1.00	1.00	0.75	6.00		8.75		1.50				0.62	4.12
A-44	4.00	4.00	1.00	1.00	0.75	5.00		7.75		2.00				0.62	5.12
A-54	5.00	4.00	1.00	1.00	0.75	6.00		8.75		2.00				0.62	5.12
A-64	6.00	4.00	1.00	1.00	0.75	7.00		9.75		2.00				0.62	5.12
A-45	4.00	5.00	1.00	1.00	0.75	5.00		7.75		2.50				0.62	6.12

MULTI-SLIDE® SERIES

- Furnished to specified length (A)

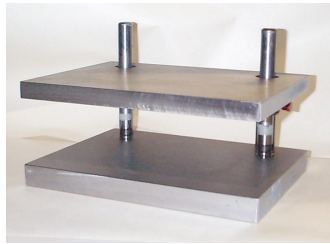


Ordering information

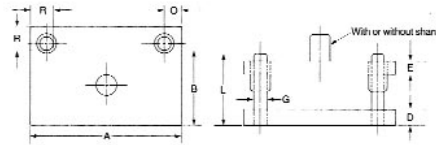
- To order specify:
1. Quantity
 2. Catalog number
- Note: These die sets are not returnable for credit*

Catalog Number		Die Space		Thickness		General Dimensions									
Catalog Number	Left to right A	Front to back B	Die Holder D	Punch Holder E	G	H	J	K	M	N	O	O ₁	P	T	X
MS-11	Specify	2.92	0.813	0.75	.50X2.87	A	2.75		0.562	2.75	0.62		0.40	3.94	2.625
MS-28	Desired	4.95	1.250	1.12	.75X4.00	MINUS	3.37		1.000	3.25	1.00		0.44	5.12	4.375
MS-33	Length	4.57	1.500	1.19	.75X4.00	2C	5.12		1.250	4.87	1.12		0.62	6.87	4.000
MS-35		5.08	1.500	1.19	.75X4.50		5.87		1.250	5.87	0.87		0.87	7.62	4.504

FLATBACK DIE SETS



Style 391 shown

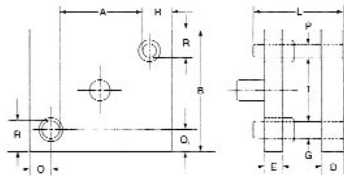


Style 391

- Rear 2-pin plain bearing

Style 691 or 591

- Rear 2-pin ball bearing

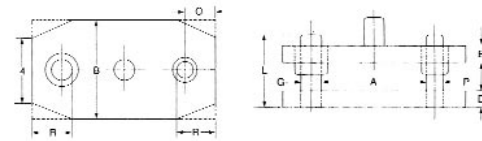


Style 392

- Diagonal pin plain bearing

Style 692 or 592

- Diagonal pin ball bearing

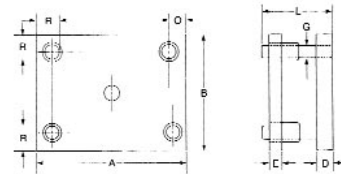


Style 393/395

- Center pin plain bearing

Style 693/695 or 593/595

- Center pin ball bearing



Style 396

- 4-pin plain bearing

Style 696 or 596

- 4-pin ball bearing

Series 500 Sets – Exacta

When G pin diameter is	1.00	1.25	1.50	1.75	2.00	2.50
O dimension is	1.69	1.81	2.06	2.19	2.56	2.94
R* dimension is	2.63	2.88	3.38	3.63	4.13	4.81

*R Dimension is to the outside edge of the bushing diameter

Series 600 Sets – Lempco Style®

When G pin diameter is	1.00	1.25	1.50	1.75	2.00	2.50
O dimension is	1.50	1.81	2.00	2.13	2.44	2.63
R* dimension is	2.38	2.88	3.25	3.50	4.00	4.50

*R Dimension is to the outside edge of the bushing diameter

STEEL PUNCH SHANKS

- Available in standard 1 1/4 – 12 SAE or 3/4 – 10 SAE (catalog number PS-0 and PS-013)



Catalog Number	A	B	C
PS-013	0.81	1.50	1.25
PS-0	1.00	1.50	1.50
PS-2411	1.50	2.12	1.37
PS-2412	1.50	2.12	1.50
PS-2414	1.50	2.12	1.75
PS-2416	1.50	2.12	2.00
PS-2418	1.50	2.12	2.25
PS-2511	1.56	2.12	1.37
PS-2512	1.56	2.12	1.50
PS-2514	1.56	2.12	1.75
PS-2516	1.56	2.12	2.00

Catalog Number	A	B	C
PS-2518	1.56	2.12	2.25
PS-3211	1.56	2.87	1.37
PS-3212	2.00	2.87	1.50
PS-3214	2.00	2.87	1.75
PS-3216	2.00	2.87	2.00
PS-3218	2.00	2.87	2.25
PS-4011	2.50	2.87	1.37
PS-4012	2.50	2.87	1.50
PS-4014	2.50	2.87	1.75
PS-4016	2.50	2.87	2.00
PS-4018	2.50	2.87	2.25

Service Centers

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Fax 716.484.2235

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the **PMT** group