



# J.R. INTERNATIONAL

*Industrial Supplies*

[www.jrintg.com](http://www.jrintg.com)



**Mejoramos cualquier tiempo de entrega**



**El Paso, TX / HEADQUARTERS** (915) 217-0897 | [elp@jrintg.com](mailto:elp@jrintg.com)  
11394 James Watt, Suite 804 El Paso, TX 79936

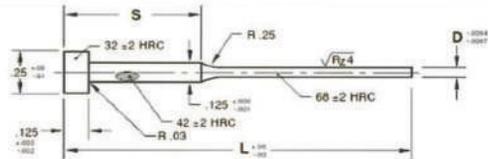


**Cd. Juárez, Chih.** (656) 565-3828 | [jrz2@jrintg.com](mailto:jrz2@jrintg.com)

### Shoulder Pin Std. Inch.



**M** H-13      **H** Core: 40-44 HRC, Surface: 66-70 HRC

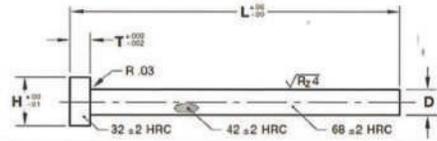


Diameter D	Shoulder S	Regular Pin No.	Thru Hard Pin No.	L = 6"		L = 10"		L = 14"	
				STD	+ .005"	STD	+ .005"	STD	+ .005"
1/32"	2"	EP03	THP03	L06	-	L10	L10S	-	-
	1/2"			L06S	-	L10S	-	-	-
3/64"	2"	EP04	THP04	L06	-	L10	L10S	-	-
	1/2"			L06S	-	L10S	-	-	-
1/16"	2"	EP06	THP06	L06	-	L10	L10S	L14	-
	1/2"			L06S	-	L10S	L105S	L14S	-
5/64"	2"	EP07	THP07	L06	-	L10	L10	L14	-
	1/2"			L06S	-	L10S	L10s	L14S	-
3/32"	2"	EP09	THP09	L06	-	L10	L10	L14	-
	1/2"			L06S	-	L10S	L10S	L14s	-
7/64"	2"	EP10	THP10	L06	-	L10	L10	L14	-
	1/2"			L06S	-	L10S	L10s	L14S	-

### Ejector Pin Std. Inch.

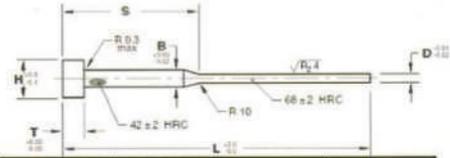


**M** H-13      **H** Core: 40-44 HRC, Surface: 66-70 HRC



Pin Dia. D	Catalog Regular Pin No.	Catalog True Hard Pin No.	Length										Head Dia. H	Head Thick. T		
			6"		10"		14"		18"		25"					
			STD	+ .005"	STD	+ .005"	STD	+ .005"	STD	+ .005"	STD	+ .005"	STD	+ .005"		
1/32	EP03	THP03	L06P	L065P	-	-	-	-	-	-	-	-	-	-	1/4	1/8
3/64	EP04	THP04	L06P	L065P	-	-	-	-	-	-	-	-	-	-	1/4	1/8
1/16	EP06	THP06	L06P	-	L10P	L10P5	-	-	-	-	-	-	-	-	1/4	1/8
5/64	EP07	THP07	L06P	-	L10P	L10P5	-	-	-	-	-	-	-	-	1/4	1/8
3/32	EP09	THP09	L06P	-	L10P	L10P5	L14P	L14S	-	-	-	-	-	-	1/4	1/8
7/64	EP10	THP10	L06P	-	L10P	L10P5	-	L14S	-	-	-	-	-	-	1/4	1/8
1/8	EP12	THP12	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	1/4	1/8
9/64	EP14	THP14	-	-	L10	-	L14	L14S	-	-	-	-	-	-	1/4	1/8
5/32	EP15	THP15	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	9/32	5/32
11/64	EP17	THP17	-	-	L10	-	L14	L14S	L18	-	-	-	-	-	11/32	3/16
3/16	EP18	THP18	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	3/8	3/16
13/64	EP20	THP20	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	3/8	3/16
7/32	EP21	THP21	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	13/32	3/16
15/64	EP23	THP23	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	13/32	3/16
1/4	EP25	THP25	L06	-	L10	L10S	L14	L14S	L18	L18S	L25	-	-	-	7/16	3/16
17/64	EP26	THP26	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	7/16	1/4
9/32	EP28	THP28	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	7/16	1/4
19/64	EP29	THP29	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	1/2	1/4
5/16	EP31	THP31	L06	-	L10	L10S	L14	L14S	L18	L18S	L25	L25S	-	-	1/2	1/4
21/64	EP32	THP32	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	9/16	1/4
11/32	EP34	THP34	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	9/16	1/4
23/64	EP35	THP35	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	5/8	1/4
3/8	EP37	THP37	L06	-	L10	L10S	L14	L14S	L18	L18S	L25	L25S	-	-	5/8	1/4
13/32	EP40	THP40	L06	-	L10	-	L14	L14S	L18	-	L25	-	-	-	11/16	1/4
7/16	EP43	THP43	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	11/16	1/4
15/32	EP46	THP46	-	-	L10	-	L14	L14S	L18	-	L25	-	-	-	3/4	1/4
1/2	EP50	THP50	L06	-	L10	L10S	L14	L14S	L18	-	L25	L25S	-	-	3/4	1/4
17/32	EP53	THP53	-	-	L10	-	L14	L14S	-	-	-	-	-	-	3/4	1/4
9/16	EP56	THP56	L06	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	13/16	1/4
5/8	EP62	THP62	L06	-	L10	-	L14	L14S	L18	-	L25	-	-	-	7/8	1/4
11/16	EP68	THP68	-	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	15/16	1/4
3/4	EP75	THP75	L06	-	L10	-	L14	L14S	L18	-	L25	-	-	-	1	1/4
7/8	EP87	-	-	-	L10	L10S	L14	L14S	L18	-	L25	-	-	-	1-1/8	1/4
1	EP100	-	L06	-	L10	-	L14	L14S	L18	-	L25	-	-	-	1-1/4	1/4

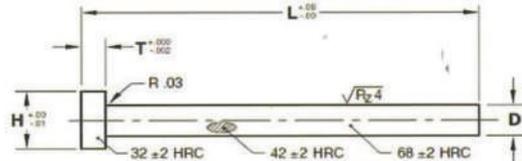
## Shoulder Pin Metric (mm)



**M** H-13      **H** Core: 40-44 HRC, Surface: 66-70 HRC

Dia <sub>eter</sub> D	Dia <sub>eter</sub> Ø	Catalog Pin	Length						H	T
			Ø35	Ø50	Ø75	Ø63	Ø85	Ø105		
0.8	2	Ø-0.8	80	100	125	160	160	200	4	2
0.9	2	Ø-0.9		100	125	160	160	200	4	2
1	2	Ø-1.0	80	100	125	160	160	200	4	2
1.1	2	Ø-1.1		100	125	160	160	200	4	2
1.2	2	Ø-1.2	80	100	125	160	160	200	4	2
1.3	2	Ø-1.3	80	100	125	160	160	200	4	2
1.4	2	Ø-1.4		100	125	160	160	200	4	2
1.5	3	Ø-1.5	80	100	125	160	160	200	6	3
1.6	3	Ø-1.6		100	125	160	160	200	6	3
1.7	3	Ø-1.7		100	125	160	160	200	6	3
1.8	3	Ø-1.8		100	125	160	160	200	6	3
2	3	Ø-2.0		100	125	160	160	200	6	3
2.2	3	Ø-2.2		100	125	160	160	200	6	3
2.5	3	Ø-2.5		100	125	160	160	200	6	3

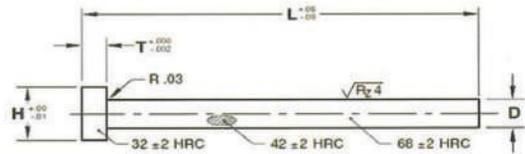
## Ejector Pin Metric (mm)



**M** H-13      **H** Core: 40-44 HRC, Surface: 66-70 HRC

Pin Dia. D	Catalog Pin No.	Catalog Thru Hard Pin No.	Length													Head Dia H	Head Thick T		
			100	125	150	200	250	300	350	400	450	500	550	600	650			800	1000
0.7	-	HSEP.7x	100	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	
0.8	-	HSEP.8x	-	-	150	-	-	-	-	-	-	-	-	-	-	-	3	4	
0.9	-	HSEP.9x	-	-	150	-	-	-	-	-	-	-	-	-	-	-	3	4	
1.0	-	HSEP1.0x	100	-	150	200	-	-	-	-	-	-	-	-	-	-	3	4	
1.1	-	HSEP1.1x	-	-	150	-	-	-	-	-	-	-	-	-	-	-	3	4	
1.2	-	HSEP1.2x	-	-	150	-	-	-	-	-	-	-	-	-	-	-	3	4	
1.3	-	HSEP1.3x	-	-	150	-	-	-	-	-	-	-	-	-	-	-	3	4	
1.5	MP1.5L	HSEP1.5x	-	-	150	200	250	300	-	-	-	-	-	-	-	-	3	1.5	
2.0	MP2.0L	HSEP2.0x	100	125	150	200	250	-	400	-	-	-	-	-	-	-	3	1.5	
2.3	-	HSEP2.3x	-	-	-	-	250	-	-	-	-	-	-	-	-	-	4	2	
2.5	MP2.5L	HSEP2.5x	100	125	150	200	250	300	-	-	-	-	-	-	-	-	4	2	
3.0	MP3.0L	HSEP3.0x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	5	2	
3.5	MP3.5L	HSEP3.5x	-	-	150	-	250	-	400	-	-	-	-	-	-	-	5	2	
4.0	MP4.0L	HSEP4.0x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	5	2	
4.5	MP4.5L	HSEP4.5x	100	-	150	200	250	-	400	-	-	-	-	-	-	-	5	2	
5.0	MP5.0L	HSEP5.0x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	6	3	
5.5	MP5.5L	HSEP5.5x	100	-	150	200	250	-	400	-	-	-	-	-	-	-	6	3	
6.0	MP6.0L	HSEP6.0x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	1000	6	3
6.5	MP6.5L	HSEP6.5x	-	-	150	200	250	300	-	400	-	500	-	-	-	-	6	3	
7.0	MP7.0L	HSEP7.0x	-	-	150	-	250	300	350	400	-	500	-	600	-	800	1000	7	3
8.0	MP8.0L	HSEP8.0x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	1000	7	3
8.5	MP8.5L	HSEP8.5x	-	-	150	200	250	-	400	-	500	-	600	-	-	-	7	3	
9.0	MP9.0L	-	-	-	150	-	250	-	400	-	500	-	-	-	-	-	8	3	
10.0	MP10L	HSEP10x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	1000	8	3
11.0	MP11L	-	-	-	150	0	250	-	400	-	500	-	600	-	-	-	8	3	
12.0	MP12L	HSEP12x	100	125	150	200	250	300	350	400	450	500	550	600	650	800	1000	8	3
14.0	MP14L	-	-	-	150	200	250	300	-	400	-	500	-	-	-	800	1000	8	3
16.0	MP16L	-	-	-	150	200	250	300	-	400	-	500	-	600	-	800	1000	8	3
18.0	MP18L	-	-	-	150	-	250	-	400	-	500	-	600	-	800	1000	10	3	
20.0	MP20L	-	-	-	-	200	250	300	-	400	-	500	-	600	-	800	1000	10	3
25.0	MP25L	-	-	-	-	200	250	300	-	400	-	500	-	600	-	800	1000	10	3
32.0	MP32L	-	-	-	-	200	250	300	-	400	-	500	-	600	-	800	1000	10	3

**Core Pins Soft & Hard**



Thru Hard Core Pin:

Soft Core Pin:

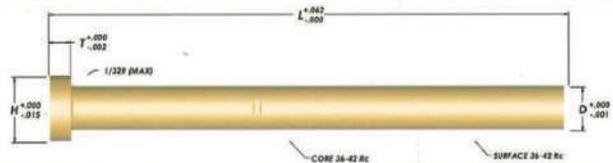
**M** H-13 **H** Core: 40-44 HRC, Surface: 60-70 HRC

**M** H-13

**H** Core: 30-35 HRC, Surface: 60-70 HRC

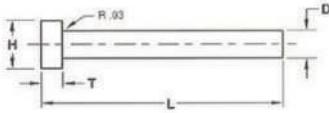
Pin Dia. D	Catalog Soft Pin No.	Catalog Hard Pin No.	Length				Head Dia H	Head Thik T
			3"	6"	10"	14"		
3/32	CPS09	CPH09	L03	L06	L10		1/4	1/8
7/64	CPS10	CPH10	L03	L06	L10		1/4	1/8
1/8	CPS12	CPH12	L03	L06	L10	L14	1/4	1/8
9/64	CPS14	CPH14	L03	L06	L10	L14	1/4	1/8
5/32	CPS15	CPH15	L03	L06	L10	L14	9/32	5/32
11/64	CPS17	CPH17	L03	L06	L10	L14	11/32	3/16
3/16	CPS18	CPH18	L03	L06	L10	L14	3/8	3/16
13/64	CPS20	CPH20	L03	L06	L10	L14	3/8	3/16
7/32	CPS21	CPH21	L03	L06	L10	L14	13/32	3/16
1/4	CPS25	CPH25	L03	L06	L10	L14	7/16	3/16
9/32	CPS28	CPH28	L03	L06	L10	L14	7/16	1/4
5/16	CPS31	CPH31	L03	L06	L10	L14	1/2	1/4
11/32	CPS34	CPH34	L03	L06	L10	L14	9/16	1/4
3/8	CPS37	CPH37	L03	L06	L10	L14	5/8	1/4
13/32	CPS40	CPH40	L03	L06	L10	L14	11/16	1/4
7/16	CPS43	CPH43	L03	L06	L10	L14	11/16	1/4
15/32	CPS46	CPH46	L03	L06	L10	L14	3/4	1/4
1/2	CPS50	CPH50	L03	L06	L10	L14	3/4	1/4
9/16	CPS56	CPH56	-	L06	L10	L14	13/16	1/4
5/8	CPS62	CPH62	-	L06	L10	L14	7/8	1/4
3/4	CPS75	CPH75	-	L06	L10	L14	1	1/4
7/8	CPS87	CPH87	-	L06	L10	L14	1-1/8	1/4
1	CPS100	CPH100	-	L06	L10	L14	1-1/4	1/4

**Mold Max Core Pins**

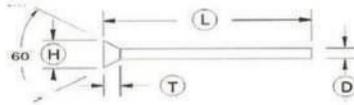


Diameter D	Catalog P/N	L = length				H	T
		4"	8"	12"	18"		
1/8	MM12	L04	L08	L12		1/4	1/8
5/32	MM15	L04	L08	L12	L18	9/32	5/32
3/16	MM18	L04	L08	L12	L18	3/8	3/16
7/32	MM21	L04	L08	L12	L18	13/32	3/16
1/4	MM25	L04	L08	L12	L18	7/16	3/16
9/32	MM28	L04	L08	L12	L18	7/16	1/4
5/16	MM31	L04	L08	L12	L18	1/2	1/4
3/8	MM37	L04	L08	L12	L18	5/8	1/4
7/16	MM43	L04	L08	L12	L18	11/16	1/4
1/2	MM50	L04	L08	L12	L18	3/4	1/4
9/16	MM56	L04	L08	L12	L18	13/16	1/4
5/8	MM62	L04	L08	L12	L18	7/8	1/4
3/4	MM75	L04	L08	L12	L18	1	1/4

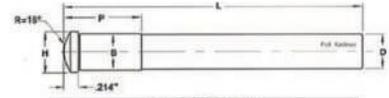
**SPECIAL PINS DRAWINGS**



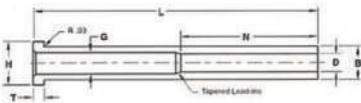
PIN #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard Ejector Pin	+
	<input type="checkbox"/> Standard Core Pin	-
H	<input type="checkbox"/> Standard	+
T	<input type="checkbox"/> Standard	+
L	<input type="checkbox"/> Standard	-
K	<input type="checkbox"/> Standard	+
Quantity:		



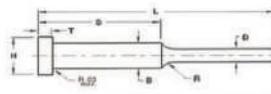
PIN #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard Ejector Pin	+
	<input type="checkbox"/> Standard Core Pin	-
H	<input type="checkbox"/> Standard	+
T	<input type="checkbox"/> Standard	+
L	<input type="checkbox"/> Standard	-
K	<input type="checkbox"/> Standard	+
Quantity:		



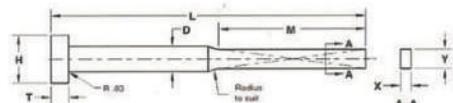
ANGLE PIN #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard	+
		-
B	<input type="checkbox"/> Standard	+
H	<input type="checkbox"/> Standard	+
P	<input type="checkbox"/> Standard	+
L	<input type="checkbox"/> Standard	-
Quantity:		



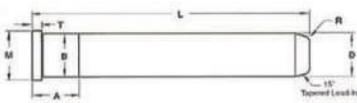
SLEEVE #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard	+
B	<input type="checkbox"/> Standard	+
G	<input type="checkbox"/> Standard	-
L	<input type="checkbox"/> Standard	+
N	<input type="checkbox"/> Standard	+
H	<input type="checkbox"/> Standard	+
T	<input type="checkbox"/> Standard	+
Quantity:		



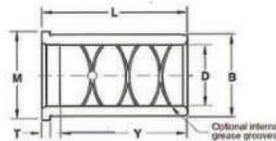
PIN #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard Ejector Pin	+
	<input type="checkbox"/> Standard Core Pin	-
B	<input type="checkbox"/> Standard Ejector Pin	+
	<input type="checkbox"/> Standard Core Pin	-
L	<input type="checkbox"/> Standard	+
S	<input type="checkbox"/> Standard	+
H	<input type="checkbox"/> Standard	+
T	<input type="checkbox"/> Standard	+
K	<input type="checkbox"/> Standard	+
R		-
Quantity:		



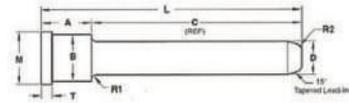
BLADE #1		
Dimension	Tolerance	
X	<input type="checkbox"/> Standard	+
		-
Y	<input type="checkbox"/> Standard	+
		-
D	<input type="checkbox"/> Standard	+
		-
L	<input type="checkbox"/> Standard	+
		-
M	<input type="checkbox"/> Standard	+
		-
H	<input type="checkbox"/> Standard	+
		-
T	<input type="checkbox"/> Standard	+
		-
Quantity:		



PIN #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard	+
L	<input type="checkbox"/> Standard	+
A	<input type="checkbox"/> Standard	-
B	<input type="checkbox"/> Standard	+
M	<input type="checkbox"/> Standard	+
T	<input type="checkbox"/> Standard	+
R	<input type="checkbox"/> 1/16 for D > 1 1/4 max.	
	<input type="checkbox"/> 3/16 for D over 1 1/4	
Quantity:		



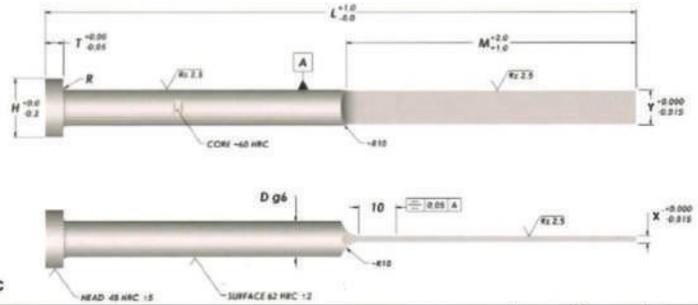
BUSHING #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard	+
		-
B	<input type="checkbox"/> Standard	+
		-
L	<input type="checkbox"/> Standard	+
		-
M	<input type="checkbox"/> Standard	+
		-
T	<input type="checkbox"/> Standard	+
		-
Y	<input type="checkbox"/> Standard	+
		-
Grease Grooves	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Quantity:		



PIN #1		
Dimension	Tolerance	
D	<input type="checkbox"/> Standard	+
		-
B	<input type="checkbox"/> Standard	+
		-
L	<input type="checkbox"/> Standard	+
		-
A	<input type="checkbox"/> Standard	+
		-
C	REF	
M	<input type="checkbox"/> Standard	+
		-
T	<input type="checkbox"/> Standard	+
		-
R1		
R2		
Quantity:		

### Ejector Blade Metric

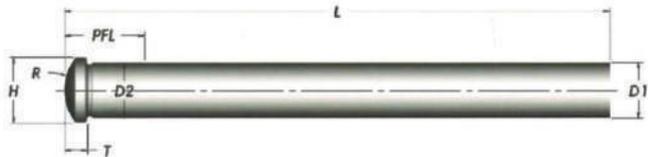
Nominal Size		g6	
Over	To	Tolerance (mm)	
3mm	6mm	-.004	-.012
6mm	10mm	-.005	-.014
10mm	15mm	-.006	-.017



**M** H-13      **H** Core: 40-44 HRC, Surface: 66-70 HRC

Blade With Y	Blade Thik X	Catalog Blade No.	Length										Pind Dia. D	Head Dia. H	Head Thik T
			63	80	100	125	160	200	250	315	400				
			M=32	M=40	M=50	M=63	M=80	M=100	M=125	M=160	M=200				
3.5	0.8	B03508	63	80	100	125	160	-	-	-	-	4.0	8.0	3.0	
	1.0	B03510	63	80	100	125	160	200	250	-	-				
	1.2	B03512	-	80	100	125	160	200	-	-	-				
3.8	0.8	B03808	63	80	100	125	160	-	-	-	-	4.2	8.0	3.0	
	1.0	B03810	63	80	100	125	160	-	-	-	-				
	1.2	B03812	-	80	100	125	160	200	-	-	-				
4.5	1.0	B04510	63	80	100	125	160	200	-	-	-	5	10.0	3	
	1.2	B04512	-	80	100	125	160	200	-	-	-				
	1.5	B04515	-	80	100	125	160	200	-	-	-				
5.5	1.0	B05510	-	80	100	125	160	200	-	-	-	6.0	12.0	5.0	
	1.2	B05512	-	80	100	125	160	200	250	-	-				
	1.5	B05515	-	80	100	125	160	200	250	-	-				
	2.0	B05520	-	80	100	125	160	200	250	-	-				
7.5	1.0	B07510	-	-	-	125	160	-	-	-	-	8.0	14.0	5.0	
	1.2	B07512	-	-	100	125	160	200	250	-	-				
	1.5	B07515	-	-	100	125	160	200	250	315	-				
	2.0	B07520	-	-	100	125	160	200	250	315	-				
9.5	1.2	B09512	-	-	-	-	160	200	-	-	-	10.0	16.0	5.0	
	1.5	B09515	-	-	-	-	160	200	250	315	400				
	2.0	B09520	-	-	-	-	160	200	250	315	400				
11.5	2.0	B11520	-	-	-	-	-	200	250	315	400	12.0	18.0	7.0	
	2.5	B11525	-	-	-	-	-	200	250	315	400				
15.5	2.0	B15520	-	-	-	-	-	200	250	315	400	16.0	22.0	7.0	
	2.5	B15525	-	-	-	-	-	200	250	315	400				

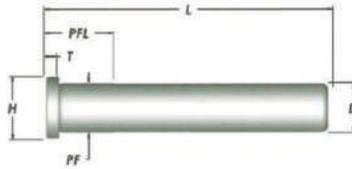
### Angle Pin Radius



**M** H-13      **H** Core: 40-44 HRC, Surface: 66-70 HRC

Pin Dia No.	Catalog No	Pin	Length			Head Dia. H	Head Thik T	PFL 6" +.00 -.06	PFL 10" & 14" +.00 -.06	D2 +.0000 -.0005	RAD SPH R
			6"	10"	14"						
3/8	AP37	L06	L10	-	-	1/2	1/4	7/8	1-3/8"	0.3765	3/8
1/2	AP50	L06	L10	-	-	5/8	1/4	7/8	1-3/8"	0.5015	1/2
5/8	AP62	L06	L10	-	-	3/4	1/4	7/8	1-3/8"	0.6265	5/8
3/4	AP75	-	L10	L14	-	7/8	5/16	-	1-3/8"	0.7515	3/4
1	AP100	-	L10	L14	-	1-1/4"	5/16	-	1-3/8"	1.0015	1

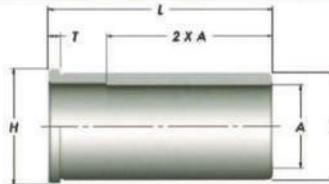
## Leader Pin



Nominal Diameter	D +0.000 -0.005	PF +0.005 -0.006	H +0.005 -0.007	T +0.005 -0.008
3/4	0.749	0.751	0.99	3/16
7/8	0.874	0.876	1.115	1/4
1	0.999	1.001	1.24	1/4
1 1/4	1.249	1.251	1.49	5/16
1 1/2	1.499	1.501	1.74	5/16
2	1.999	2.001	2.24	5/16
2 1/2	2.499	2.501	2.74	5/16
3	2.999	3.001	3.365	1/2

Length L	D=3/4		D=7/8		D=1		D=1 - 1/4		D=1 - 1/2		D=2		D=2 - 1/2		D=3		
	PFL	Cat No.	PFL	Cat No.	PFL	Cat No.	PFL	Cat No.	PFL	Cat No.	PFL	Cat No.	PFL	Cat No.	PFL	Cat No.	
1-3/4"	7/8	1000	7/8	1099	7/8	1198	-	-	-	-	-	-	-	-	-	-	
2-1/4"	7/8	1001	7/8	1100	7/8	1199	-	-	-	-	-	-	-	-	-	-	
2-3/4"	7/8	1002	7/8	1101	7/8	1200	7/8	1300	1-3/8"	1402	-	-	-	-	-	-	
3-1/4"	7/8	1003	7/8	1102	7/8	1201	7/8	1301	1-3/8"	1403	-	-	-	-	-	-	
3-3/4"	7/8	1004	7/8	1103	7/8	1202	7/8	1302	1-3/8"	1404	-	-	-	-	-	-	
4-1/4"	1-3/8"	1005	1-3/8"	1104	1-3/8"	1203	7/8	1303	1-3/8"	1405	-	-	-	-	-	-	
4-3/4"	1-3/8"	1006	1-3/8"	1105	1-3/8"	1204	1-3/8"	1304	1-3/8"	1406	1-7/8"	1606	2-3/8"	1806	-	-	
5-1/4"	1-3/8"	1007	1-3/8"	1106	1-3/8"	1205	1-3/8"	1305	1-3/8"	1407	-	-	-	-	-	-	
5-3/4"	1-7/8"	1008	1-3/8"	1107	1-3/8"	1206	1-3/8"	1306	1-3/8"	1408	1-7/8"	1608	2-3/8"	1808	-	-	
6-1/4"	1-7/8"	1009	1-7/8"	1108	1-3/8"	1207	1-3/8"	1307	-	-	-	-	-	-	-	-	
6-3/4"	1-7/8"	1010	1-7/8"	1109	1-7/8"	1208	1-7/8"	1308	1-7/8"	1410	1-7/8"	1610	2-3/8"	1810	-	-	
7-1/4"	1-7/8"	1011	1-7/8"	1110	1-7/8"	1209	1-7/8"	1309	-	-	-	-	-	-	-	-	
7-3/4"	1-7/8"	1012	1-7/8"	1111	1-7/8"	1210	1-7/8"	1310	1-7/8"	1412	1-7/8"	1612	2-3/8"	1812	-	-	
8-1/4"	-	-	1-7/8"	1112	1-7/8"	1211	1-7/8"	1311	-	-	-	-	-	-	-	-	
8-3/4"	-	-	1-7/8"	1113	1-7/8"	1212	1-7/8"	1312	1-7/8"	1414	1-7/8"	1614	2-3/8"	1814	-	-	
9-1/4"	1-7/8"	1015	-	-	1-7/8"	1213	1-7/8"	1313	-	-	-	-	-	-	-	-	
9-3/4"	-	-	-	-	1-7/8"	1214	1-7/8"	1314	1-7/8"	1416	1-7/8"	1616	2-3/8"	1816	-	-	
10-1/4"	-	-	-	-	1-7/8"	1215	1-7/8"	1315	-	-	-	-	-	-	-	-	
10-3/4"	-	-	1-7/8"	1117	1-7/8"	1216	1-7/8"	1316	1-7/8"	1418	1-7/8"	1618	2-3/8"	1818	-	-	
11-1/4"	-	-	-	-	1-7/8"	1217	1-7/8"	1317	-	-	-	-	-	-	-	-	
11-3/4"	-	-	-	-	1-7/8"	1218	1-7/8"	1318	1-7/8"	1420	1-7/8"	1620	2-3/8"	1820	2-7/8"	3020	
12-1/4"	-	-	1-7/8"	1120	1-7/8"	1219	1-7/8"	1319	1-7/8"	1422	1-7/8"	1622	2-3/8"	1822	-	-	
12-3/4"	-	-	-	-	-	-	-	1-7/8"	1320	1-7/8"	1424	1-7/8"	1624	2-3/8"	1824	2-7/8"	3024
13-3/4"	-	-	-	-	-	-	-	1-7/8"	1322	1-7/8"	1426	1-7/8"	1626	2-3/8"	1826	-	-
14-3/4"	-	-	-	-	-	-	-	1-7/8"	1324	-	-	2-3/8"	1628	2-3/8"	1828	2-7/8"	3028
15-3/4"	-	-	-	-	-	-	-	1326	-	-	-	2-3/8"	1632	2-3/8"	1832	2-7/8"	3032

## Shoulder Bushing



Nominal I.D.	A +0.000 -0.000	B +0.005 -0.000	H +0.005 -0.005	T +0.000 -0.005
3/4	0.7505	1.1255	1.302	3/16
7/8	0.8755	1.2505	1.375	3/16
1	1.0005	1.3755	1.500	3/16
1.25	1.2505	1.6255	1.750	3/16
1.5	1.5005	2.0005	2.125	3/16
2	2.0005	2.5005	2.625	3/16
2.5	2.5005	3.2505	3.375	3/16
3	3.0005	3.7505	3.937	1/2

Length L	CATALOG NUMBER											
	A=3/4"			A=7/8"			A=1"			A=1 - 1/4"		
	Steel	Self Lub	Bronze	Steel	Self Lub	Bronze	Steel	Self Lub	Bronze	Steel	Self Lub	Bronze
7/8	2700	2700SL	2700SB	2710	2710SL	2710SB	2730	2730SL	2730SB	2750	2750SL	2750SB
1-3/8"	2701	2701SL	2701SB	2711	2711SL	2711SB	2731	2731SL	2731SB	2751	2751SL	2751SB
1-7/8"	2702	2702SL	2702SB	2712	2712SL	2712SB	2732	2732SL	2732SB	2752	2752SL	2752SB
2-3/8"	2703	2703SL	2703SB	2713	2713SL	2713SB	2733	2733SL	2733SB	2753	2753SL	2753SB
2-7/8"	2704	2704SL	2704SB	2714	2714SL	2714SB	2734	2734SL	2734SB	2754	2754SL	2754SB
3-3/8"	2705	2705SL	2705SB	2715	2715SL	2715SB	2735	2735SL	2735SB	2755	2755SL	2755SB
3-7/8"	2706	2706SL	2706SB	2716	2716SL	2716SB	2736	2736SL	2736SB	2756	2756SL	2756SB
4-3/8"	2707	2707SL	2707SB	2717	2717SL	-	2737	2737SL	2737SB	2757	2757SL	2757SB
4-7/8"	2708	2708SL	-	2718	2718SL	-	2738	2738SL	2738SB	2758	2758SL	2758SB
5-7/8"	2709	2709SL	-	2720	2720SL	-	2740	2740SL	2740SB	2760	2760SL	2760SB

Length L	CATALOG NUMBER											
	A=1 - 1/2"			A=2"			A=2 - 1/2"			A=3"		
	Steel	Self Lub	Bronze	Steel	Self Lub	Bronze	Steel	Self Lub	Bronze	Steel	Self Lub	Bronze
7/8	2770	2770	2770	-	-	-	-	-	-	-	-	-
1-3/8"	2771	2771	2771	2901	2901SL	2901SB	2951	2951SL	-	-	-	-
1-7/8"	2772	2772	2772	2902	2902SL	2902SB	2952	2952SL	-	-	-	-
2-3/8"	2773	2773	2773	2903	2903SL	2903SB	2953	2953SL	-	-	-	-
2-7/8"	2774	2774	2774	2904	2904SL	2904SB	2954	2954SL	-	-	-	-
3-3/8"	2775	2775	2775	2905	2905SL	2905SB	2955	2955SL	-	-	-	-
3-7/8"	2776	2776	2776	2906	2906SL	2906SB	2956	2956SL	-	3976	3976SL	-
4-3/8"	2777	2777	2777	2907	2907SL	2907SB	2957	2957SL	-	-	-	-
4-7/8"	2778	2778	2778	2908	2908SL	2908SB	2958	2958SL	-	3978	3978SL	-
5-7/8"	2780	2780	2780	2910	2910SL	2910SB	2960	2960SL	-	3980	3980SL	-
7-7/8"	-	-	-	-	-	-	-	-	-	3984	3984SL	-

## Springs



Hole Dia. O.D.	Rod Dia. I.D.	Free Length	BLUE Cat. Number Medium Duty	RED Cat. Number Heavy Duty	GOLD Cat. Number Extra H. Duty
3/8"	3/16"	1"	04M10A	04MH10A	04H10A
		1 1/4	04M12A	04MH12A	04H12A
		1 1/2	04M15A	04MH15A	04H15A
		1 3/4	04M17A	04MH17A	04H17A
		2"	04M20A	04MH20A	04H20A
		2 1/2	04M25A	04MH25A	04H25A
		3"	04M30A	04MH30A	04H30A
		12"	04M120A	04MH120A	04H120A
		1/2"	9/32"	1"	05M10A
1 1/4	05M12A			05MH12A	05H12A
1 1/2	05M15A			05MH15A	05H15A
1 3/4	05M17A			05MH17A	05H17A
2"	05M20A			05MH20A	05H20A
2 1/2	05M25A			05MH25A	05H25A
3"	05M30A			05MH30A	05H30A
3 1/2	05M35A			05MH35A	05H35A
4 1/2	05M45A			-	-
5 1/2	05M55A			-	-
6 1/2	05M65A			-	-
7 1/2	05M75A			-	-
12"	05M120A			05MH120A	05H120A
5/8"	11/32"	1"	06M10A	06MH10A	06H10A
		1-1/4	06M12A	06MH12A	06H12A
		1-1/2	06M15A	06MH15A	06H15A
		1-3/4	06M17A	06MH17A	06H17A
		2"	06M20A	06MH20A	06H20A
		2-1/2	06M25A	06MH25A	06H25A
		3"	06M30A	06MH30A	06H30A
		3-1/2	06M35A	06MH35A	06H35A
		4"	06M40A	06MH40A	06H40A
		12"	06M120A	06MH120A	06H120A
		3/4"	3/8"	1"	07M10A
1 1/4	07M12A			07MH12A	07H12A
1 1/2	07M15A			07MH15A	07H15A
1 3/4	07M17A			07MH17A	07H17A
2"	07M20A			07MH20A	07H20A
2 1/2	07M25A			07MH25A	07H25A
3"	07M30A			07MH30A	07H30A
3 1/2	07M35A			07MH35A	07H35A
4"	07M40A			07MH40A	07H40A
4 1/2	07M45A			07MH45A	07H45A
5"	07M50A			07MH50A	-
5 1/2	07M55A			07MH55A	-
6"	07M60A			07MH60A	-
6 1/2	07M65A	-	-		
7 1/2	07M75A	-	-		
12"	07M120A	07MH120A	07H120A		

Hole Dia. O.D.	Rod Dia. I.D.	Free Length	BLUE Cat. Number Medium Duty	RED Cat. Number Heavy Duty	GOLD Cat. Number Extra H. Duty
1"	1/2"	1"	10M10A	10MH10A	10H10A
		1 1/4	10M12A	10MH12A	-
		1 1/2	10M15A	10MH15A	10H15A
		1 3/4	10M17A	10MH17A	10H17A
		2"	10M20A	10MH20A	10H20A
		2 1/2	10M25A	10MH25A	10H25A
		3"	10M30A	10MH30A	10H30A
		3 1/2	10M35A	10MH35A	10H35A
		4"	10M40A	10MH40A	10H40A
		4 1/2	10M45A	10MH45A	10H45A
		5"	10M50A	10MH50A	10H50A
		5 1/2	10M55A	10MH55A	-
		6"	10M60A	10MH60A	10MH60A
7"	10M70A	10MH70A	-		
8"	10M80A	10MH80A	-		
12"	10M120A	10MH120A	10MH120A		
1-1/4"	5/8"	1 1/2	12M15A	12MH15A	12H15A
		1 3/4	12M17A	12MH17A	12H17A
		2"	12M20A	12MH20A	12H20A
		2 1/2	12M25A	12MH25A	12H25A
		3"	12M30A	12MH30A	12H30A
		3 1/2	12M35A	12MH35A	12H35A
		4"	12M40A	12MH40A	12H40A
		4 1/2	12M45A	12MH45A	12H45A
		5"	12M50A	12MH50A	12H50A
		5 1/2	12M55A	12MH55A	12H55A
		6"	12M60A	12MH60A	12H60A
		7"	12M70A	12MH70A	12H70A
		8"	12M80A	12MH80A	12H80A
10"	12M10A	12MH10A	12H10A		
12"	12M120A	12MH120A	12H120A		
1-1/2"	3/4"	2"	15M20A	15MH20A	15H20A
		2-1/2"	15M25A	15MH25A	15H25A
		3"	15M30A	15MH30A	15H30A
		3-1/2"	15M35A	15MH35A	15H35A
		4"	15M40A	15MH40A	15H40A
		4-1/2"	15M45A	15MH45A	15H45A
		5"	15M50A	15MH50A	15H50A
		5-1/2"	15M55A	15MH55A	15H55A
		6"	15M60A	15MH60A	15H60A
		7"	15M70A	15MH70A	15H70A
		8"	15M80A	15MH80A	15H80A
		10"	15M10A	15MH10A	15H10A
		12"	15M120A	15MH120A	15H120A
2"	1"	2-1/2"	20M25A	20MH25A	20H25A
		3"	20M30A	20MH30A	20H30A
		3-1/2"	20M35A	20MH35A	20H35A
		4"	20M40A	20MH40A	20H40A
		4-1/2"	20M45A	20MH45A	20H45A
		5"	20M50A	20MH50A	20H50A
		5-1/2"	20M55A	20MH55A	20H55A
		6"	20M60A	20MH60A	20H60A
		7"	20M70A	20MH70A	20H70A
		8"	20M80A	20MH80A	20H80A
		10"	20M10A	20MH10A	20H10A
		12"	20M120A	20MH120A	20H120A





Cycle Counters



Thin Switches



Sensor Switches



Cartridge & Band Heaters



Hot Runners  
Hot Sprue Bushings



Thermocouples



8 , 12 Zones  
Mold Cables



Multiple zones  
Mold Power Connectors



2 Zone Connectors



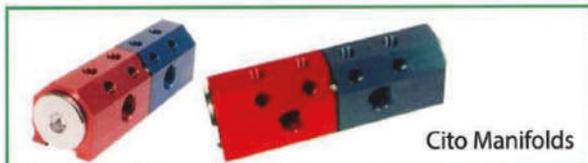
Pre Wired Boxes



Nozzle Tips



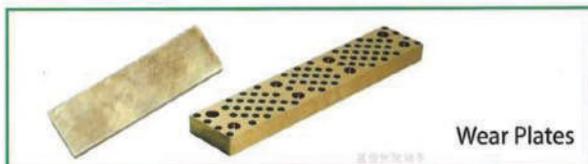
Accelerated Ejectors



Cito Manifolds



Gas Springs  
Gas Cylinder



Wear Plates



Graphite Plate  
Graphite Round



### POLISHING STONES

- BORIDE STONES
- AM-8 EDM
- AS-9 EDM
- AM-2 General Purpose
- AM-K White Al-Oxide
- AS-H White Al-Oxide
- CS Silicon Carbide Blk.
- CS-M Silicon Carbide
- CS-H Silicon Carbide
- Orange Stones
- Ruby Stones
- Special Stones



### DIAMOND COMPOUND

- Ivory 1VH Grade
- Yellow 3VH Grade
- Orange 6VH Grade
- Green 9VH Grade
- Blue 15VH Grade
- Red 30VH Grade
- Brown 45VH Grade
- Purple 60VH Grade
- Simichrome Polish



### MOUNTED POINTS

- Cylindrical
- Ball Shape
- Egg Shape
- Ball Nose
- Pointed Cone
- Blue stones
- Red stones
- White Stones



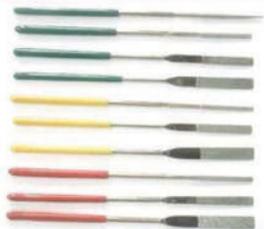
### FELT BOBS

- Ball
- Cylinder
- Cone
- Softs
- Medium
- Hard



### BRUSHES

- Wheel
- Cup Brass
- End Bristle
- Cotton
- Stainless



### DIAMOND FILES

- Round Handle
- Flat Handle
- Miniature Sets
- Riffers Set



### SUPER STONES

- Red 1000 Grit
- White 800 Grit
- Blue 400 grit
- Black 220 Grit
- Orange 180 Grit
- Brown 150 Grit



- Ceramic Knives
- Pen Holders
- Regular Holders

		
Baffles	Ex Key Elbows	Hex Nipples
		
Extension Pipes	Quick Jumpers	Hex Couples
		
Nipples	Swivel Water Jumpers	Reductions
		
Hi Flow Pipes	Quick Plugs	Tees
		
Extension Elbows	Quick Hose Barbs	45o Elbow
		
Ex Keys Cascade	Female Hose Barbs	90o elbows
		
Compact Cascades	Male Hose Barbs	Tee Reduction
		
Standard Cascades	Hose Splitters	Elbows
		
Bubblerbase	Water Blocker	Thread Gauge
		
Extension Hose Barbs	Thread Less Plugs	Hose Clamps
		
Push Lock Hose	Plugs	Teflon

## Quick Extension Pipes


**M** Brass & Stainless

Series 200 1/4" Pipe Hole Size	NPT Thread Size	Length								
		Catalog No.	2-1/2"	4"	5-1/2"	7"	8-1/2"	10"	11-1/2"	13"
	1/16"	P250	x025	x040	x055	-	-	-	-	-
1/8"	P251	x025	x040	x055	x070	x085	x100	x115	x113	
1/4"	P252	x025	x040	x055	x070	x085	x100	x115	x113	
3/8"	P253	x025	x040	x055	x070	x085	x100	x115	x113	

Series 300 3/8" Pipe Hole Size	NPT Thread Size	Length								
		Catalog No.	2-1/2"	4"	5-1/2"	7"	8-1/2"	10"	11-1/2"	13"
	1/16"	P350	x025	x040	x055	-	-	-	-	-
1/8"	P351	x025	x040	x055	x070	x085	x100	x115	x113	
1/4"	P352	x025	x040	x055	x070	x085	x100	x115	x113	
3/8"	P353	x025	x040	x055	x070	x085	x100	x115	x113	
1/2"	P354	x025	x040	x055	x070	x085	x100	x115	x113	

Series 500 1/2" Pipe Hole Size	NPT Thread Size	Length								
		Catalog No.	2-1/2"	4"	5-1/2"	7"	8-1/2"	10"	11-1/2"	13"
	3/8"	P553	x025	x040	x055	x070	x085	x100	x115	x113
1/2"	P554	x025	x040	x055	x070	x085	x100	x115	x113	

## Connector Plugs



Series 200 1/4" Pipe Hole Size	NPT Thread Size	Male	Female	Male Valve
		Catalog No.	Catalog No.	Catalog No.
	1/16"	OP-250	OP-250F	-
1/8"	OP-251	OP-251F	-	
1/4"	OP-252	OP-252F	OP-252SV	
3/8"	OP-253	OP-253F	OP-253	

Series 300 3/8" Pipe Hole Size	NPT Thread Size	Male	Female	Male
		Catalog No.	Catalog No.	Catalog No.
	1/16"	OP-350	OP-350F	OP-350SV
	1/8"	OP-351	OP-351F	OP-351SV
	1/4"	OP-352	OP-352F	OP-352SV
	3/8"	OP-353	OP-353F	OP-353SV
1/2"	OP-354	OP-354F	OP-354SV	

Series 500 1/2" Pipe Hole Size	NPT Thread Size	Male	Female	Male Valve
		Catalog No.	Catalog No.	Catalog No.
	1/16"	-	-	-
	1/4"	OP-552	OP-552F	OP-552SV
	3/8"	OP-553	OP-553F	OP-553SV
	1/2"	OP-554	OP-554F	OP-554SV
3/4"	OP-556	OP-556F	OP-556SV	

## Quick Sockets



Socket Body Only	Series 200		Series 300		Series 500	
	Catalog No.	NPT Thread	Catalog No.	NPT Thread	Catalog No.	NPT Thread
	CMB-200-18	1/8"	CMB-300-14	1/4"	-	-
CMB-200-14	1/4"	CMB-300-38	3/8"	CMB-500-12	1/2"	

Socket STRAIGHT	Series 200		Series 300		Series 500		Valved Add SVA
	Catalog No.	Hose I.D.	Catalog No.	Hose I.D.	Catalog No.	Hose I.D.	
	OC-204A	1/4"	OC-306A	3/8"	OC-504A	1/2"	
	OC-205A	5/16"	OC-308A	1/2"	OC-506A	3/4"	
OC-206A	3/8"	-	-	-	-		

Socket 90 DEGREES	Series 200		Series 300		Series 500		Valved Add SVA
	Catalog No.	Hose I.D.	Catalog No.	Hose I.D.	Catalog No.	Hose I.D.	
	OC-214A	1/4"	OC-316A	3/8"	OC-514A	1/2"	
	OC-215A	5/16"	OC-318A	1/2"	OC-516A	3/4"	
OC-216A	3/8"	-	-	-	-		

Socket 45 DEGREES	Series 200		Series 300		Series 500		Valved Add SVA
	Catalog No.	Hose I.D.	Catalog No.	Hose I.D.	Catalog No.	Hose I.D.	
	OC-224A	1/4"	OC-326A	3/8"	OC-524A	1/2"	
	OC-225A	5/16"	OC-328A	1/2"	OC-526A	3/4"	
OC-226A	3/8"	-	-	-	-		

## MOLD CLEANERS:



### Mold Cleaner Plus Degreaser 4 No. 46910

No chlorinated solvents. Removes silicones, grease, oil and wax build-up o mold surfaces without need for wiping.

### On / Cycle Mold Cleaner No. 44212

At the press warm mold cleaner. Use for multi-purpose cleaning as well as equipment cleaning.

### NexGen Cleaner No. 46410

Powerful, biodegradable cleaner Meets or exceeds the toughest health and safety issues, CLEANING POWER.

### Resin Remover Mold Cleaner No. 41914

Powerful solvents to remove resin build-up and most color deposits of many resinous plastics.

### Citra Cling Mold & Metal Cleaner No. 46515

Foaming cleaner is a superior clinging action allows for maximum cleaning. Water-based cleaner

### Plastic Cleaner with FOAM action No. 41515

Foaming spray to effectively remove oil and dirt marks from all plastics, even sensitive polycarbonates.

### Mold & Metal Wipes No. 46370

Fast, convenient, cleaning towels quickly clean almost any surface\*. Use for preparing molds for production.

### Polish Cleaner Mold Cleaner No. 43310

Polish cleaner removes stains and mold deposits. Conditions mold for faster startups and improved releasing.

## RUST PREVENTIVES



## LUBRICANTS



### Mold Shield Dry Rust Preventive No. 42910

New ultra-dry formula delivers which will not penetrate into moving parts. Non-silicone and non-wax formulation.

### Acid Vapor Neutralizer Inhibitor No. 44011

Formulated to protect plastic molding dies while in storage from corrosive attack by hydrochloric and hydrobromic acids.

### NO-Rust Preventive & Inhibitor No. 40212

The one-step rust preventive that contains both neutralizer and rust preventive. Ideal for plastic mold protection.

### Quick Rust Preventive with Dye No. 42810R

Dry formula makes oils stay where they are sprayed RED tracking color Fast clean up. Two years protection.

### Silicon Spray Lube No. 42112N

Silicone lubricant. An all-around general purpose lubricant for use on all kinds of machinery.

### Heavy-Duty Release & Pin Lube No. 54912

An ideal lubricant for the front half of ejector pins, lubricant minimizes the possibility of leaching out onto molded parts.

### Penetrant Plus Lubricant No. 41812

Non-silicone PTFE-base formulation penetrates and frees frozen parts. Lifts and replaces moisture with protective film.

### Super Grease Lubricant non-aerosol No. 43900

Lubricant grease with operating temperatures from -45F to +650F. Clear, clean, non-yellowing grease. Excellent dielectric.

## MOLD RELEASES



### EconoMIST Silicon Mold Release No. 41612N

A light-duty mold release. NSF M1 designated Food Grade Lubricant. Is non-staining and odorless. Recognized by UL.

### Quick Lecithin Mold Release No. 44812E

A medium-duty, non-silicone, paintable, all-temperature lecithin mold release agent that's fast-drying on cold and hot molds.

### Polycarbonate Mold Release No. 41412

A heavy-duty, paintable mold release agent. Biodegradable & odorless. No crazing or blemishing. Recognized by UL.

### Quick Paintable Mold release No. 44712E

A medium-duty, all-temperature paintable mold release agent that's fast-drying on cold and hot molds.

### Silicone Mold Release Agent No. 40112N

A heavy-duty, agent that provides faster molding & more production. Approved for food machinery(++). Heat-stable.

### Pure EZE Mold Release Agent No. 45712N

A non-silicone, paintable, all-purpose mold release agent. Neutral white-oil-based release contains no lecithin.

### Universal Mold release No. 42612H

A heavy-duty, non-silicone, paintable mold release. FDA approved lubricant. Colorless.

### Zinc Stearate Mold Release No. 41012N

A non-silicone, paintable mold release agent. Lubricant powder. For polysulfones and rubber molding and more.

### Thermoset Mold Release Agent No. 45414

Mold release agent made with synthetic carnauba wax. Contains no silicones or oils.

### Dry Film Lube Release Agent No. 41112N

Mold release agent formulated for deep draw molds. More durable bonded formulation.

### Paintable Light Duty Mold Release No. 40012N

A light-duty, paintable mold release agent permits post-production part decoration. Paint over it. Plate over it.

### Hi-Temp 1800 Mold Release No. 44110

Contains boron nitride for molding at temperatures up to 1800F. Excellent for die-casting metals.



## PURGING



### NPT Purging Compound No. 451-05

Purging compound requires no mixing or preparation time. Shortens purge cycle time. Eliminates need for multiple purging products. Removes all traces of barrel residue.

### P.D.Q. Liquid Compound No. 43432

Liquid purging compound works with carrier for effective resin to resin and color to color changes. Purge quickly at a fraction of the cost of conventional purges.

### Charge-It! Re-fillable Can No. 43600

Refillable, rechargeable tank can be filled with liquid product and charged with compressed air.

## MATERIAL HANDLING



**NASHVILLE WIRE PRODUCTS**

**Interlake**  
MECALUX

**PIONEER**  
DOCK EQUIPMENT

**UNEX**

**VW**  
worldwide  
materialhandling

  
**HUSKY**  
RACK & WIRE™

## CONVEYOR SYSTEMS



**DORNER**  
By Columbus McKinnon

**PACLINE**  
OVERHEAD CONVEYORS  
www.pacline.com

**SHIPP**  
BELTING

**ENDURA**  
CONVEYOR  
INC.

**OmniMetalcraft**.corp.

## CRANES & HOISTS



**HARRINGTON**  
FACTORY HOIST SYSTEMS

**SPANCO**  
Precision to perform.

**SIEVERT**  
CRANE & HOIST

**HSI**  
INTERNATIONAL

**LIFT  
TABLES**



**SOUTHWORTH**

**WESCO**

**Presio**



**HEAT  
PROCESSING**



**AUTOMATED  
TECHNOLOGY**



**BISHOP  
WISECARVER**

**FANUC**

**ABB**

**COGNEX**

**KEYENCE**

## EQUIPOS DE GRABADO LÁSER



**Materiales:** Todo tipo de metales (aceros, aluminio, cobre, recubrimientos de carburo y tungsteno, metal con tratamientos térmicos, oro, plata y plásticos rígidos (PVC, PC 'S, ABS).

**Aplicaciones:** Industria automotriz, metalmecánica, aeroespacial, electrónica, médica, eléctrica, ferroviarias, logística, alimenticia, entre otros.

## EQUIPOS DE CORTE LÁSER



**Materiales:** Aluminio, acero inoxidable, acero al carbón, entre otros.

**Aplicaciones:** Industria metalmecánica, automotriz, aeroespacial, fabricación de muebles de metal, elevadores, placas de identificación, diseño industrial, cocinas y piezas de acero.

## EQUIPOS DE SOLDADURA



**Materiales:** Todo tipo de metales, lámina delgada, galvanizado, latón, aluminio, acero al carbón, acero inoxidable, oro, plata y platino.

**Aplicaciones:** Reparación de moldes pequeños y a gran escala, traslape para ensamblajes pequeños, soldaduras de suajes, conexiones, autopartes, joyería, componentes eléctricos y electrónicos, unión de piezas metálicas, herramientas industriales, etc.

## TORNOS CONVENCIONALES



## TORNOS CNC



## FRESADORAS



## TALADROS



## SIERRAS



## RECTIFICADORAS





# J.R. INTERNATIONAL

Industrial Supplies



## MANUFACTURERS & DISTRIBUTORS

**El Paso, TX HEADQUARTERS**  
 (915) 217-0897  
 elp@jrintg.com  
 11394 James Watt, Suite 804  
 El Paso, TX 79936

**Cd. Juárez, Chih.**  
 (656) 565-3828  
 jrj2@jrintg.com

**Chihuahua, Chih.**  
 (614) 543 4898 chmoldsupply@gmail.com  
 Paseo de Aldama 13910  
 Col. Paseos de Chihuahua CP 31125

**Tijuana, Baja California**  
 (664) 738 2727 ventastj@moldsupply.com.mx  
 Calle Anáhuac 575 Int. C  
 Col. Río Tijuana tercera etapa CP 22226

