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Mold Parts Manufacturer



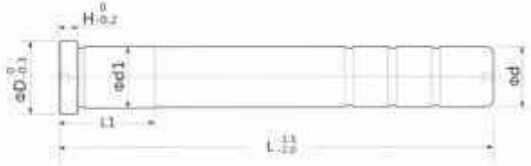
2025



Excellence Through Expertise

NINGBO HAOKE HARDWARE CO., LTD

Guided Precision Alignmen (GPA)

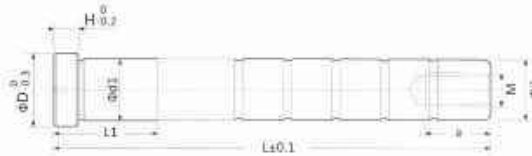


Heat Treatment Hardness: HRC60±2, Material: 20Cr

Representative Dimensions	d		d1		D	H
	Dimensions	Dimensional Tolerances	Dimensions	Dimensional Tolerances		
12	12	-0.015	12	+0.018	17	6
16	16	-0.025	16	+0.01	20	
20	20	-0.02 -0.033	20	+0.023 +0.013	25	
25	25		25		30	8
30	30		30		35	
35	35	-0.025 -0.04	35	+0.025 +0.015	40	10
40	40		40		45	
45	45		45		50	
50	50	-0.04 -0.055	50	+0.03 +0.018	56	12
55	55		55		61	
60	60		60		66	
70	70		70		76	15
80	80		80		86	
90	90				96	
100	100				106	

Ordering Method: Name d × L=Quantity. Examples: Straight Edge Φ25 × 200=4

Sprue Guide Narrow (SPN)



Heat Treatment Hardness: HRC60±2, Material: 20Cr

Representative e Dimensions	d		d1		D	H	M	e	Tapping Fee/pie ce
	Dimensions	Dimensional Tolerances	Dimensions	Dimensional Tolerances					
12	12	-0.015	12	+0.018	17	6	M6	15	4
16	16	-0.025	16	+0.01	20		M8	20	
20	20	-0.02 -0.033	20	+0.023 +0.013	25		10	M10	
25	25		25		30	M12		30	
30	30		30		35	M16		35	6
35	35	-0.025 -0.04	35	+0.025 +0.015	40				
40	40		40		45				
45	45		45		50				
50	50	-0.04 -0.055	50	+0.03 +0.018	56	12	M20	45	10
55	55		55		61				
60	60		60		66				
70	70		70		76	15	M22	55	15
80	80		80		86				
90	90		90		96				
100	100		100		106				

Ordering Method: Name d × L =Quantity, Examples: Straight Edge Φ25 × 200=4

Note: Pricing for Countersunk Tapping, Ejector Guide Pins, and Sprue Edges are calculated based on the Straight Edge, discounted price plus tapping fees (tapping fees are not discounted).

Tapping Fee Standards for Sprue Edges, Ejector Guide Pins, etc.: Φ16-25: +4 RMB, Φ30-45: +6 RMB, Φ50-60: +10 RMB, Φ70-100: +15 RMB.

Ejector Guide Pin (EGP)



Heat Treatment Hardness: HRC60±2, Material: 20Cr

Representative e Dimensions	d		d1		D	H	M	E	Tapping Fee/pie ce
	Dimensions	Dimensional Tolerances	Dimensions	Dimensional Tolerances					
12	12	-0.015	12	+0.018	17	6	M6	15	4
16	16	-0.025	16	+0.01	20		M8	20	
20	20	-0.02 -0.033	20	+0.023 +0.013	25		M10	25	
25	25		25		30	8	M12	30	
30	30		30		35		M16	35	
35	35	-0.025 -0.04	35	+0.025 +0.015	40				
40	40		40		45				
45	45		45		50				
50	50	-0.04 -0.055	50	+0.03 +0.018	56	12	M20	45	10
55	55		55		61	15			
60	60		60		66				
70	70		70		76		M22	55	
80	80		80		86				
90	90		90		96				
100	100		100		106				

Ordering Method: Name d × L=Quantity. Examples: Ejector Guide Pin Φ20 X 200=4

Note: The tapping cost for EGP refers to the sprue edge standard.

Return Pin (RPN)



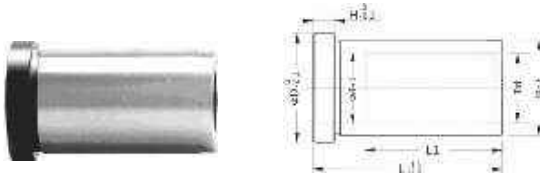
Heat Treatment Hardness: HRC60±2, Material: 20Cr

Representative Dimensions	d		D	H
	Dimensions	Dimensional Tolerances		
8	8	-0.015 -0.027	13	5
10	10		15	
12	12		17	
15	15	-0.02 -0.033	20	6
16	16		20	
20	20		25	
25	25		30	8
30	30		35	
35	35		40	
40	40	-0.025 -0.04	45	10
50	50		55	12
60	60		65	

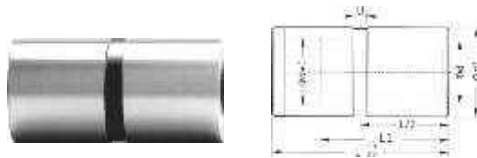
Ordering Method: Name d × L=Quantity. Examples: Guide Bushing Assembly Φ25 × 50=4

Notes: ① Return Pin with actual length 101mm are calculated as 100mm.
② Tapped return pins, positioning edges, and locating pins are priced as return pins post-discount plus tapping fee, using sprue edge surcharge standards.

Guide Bushing Assembly (GBA)



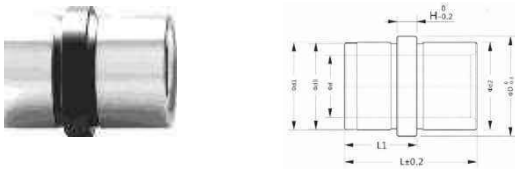
Guide Bushing Block (GBB)



Heat Treatment Hardness: HRC60±2, Material: 20Cr

Representative Dimensions	d		d1		D	H	L	L1
	Dimensions	Dimensional Tolerances	Dimensions	Dimensional Tolerances				
12	12	+0.018	20	+0.02	25	6	-1.5~ -2	2 X d
16	16	+0.008	25	+0.01	30	6		
20	20	+0.02 +0.01	30	+0.025 +0.015	35	8		
25	25		35		40	8		
30	30		42		47	8		
35	35	+0.025 +0.015	48	+0.03 +0.018	53	10		
40	40		55		60	10		
45	45		60		65	10		
50	50		70		76	12		
55	55		75		81	12		
60	60	+0.035 +0.02	80	+0.035 +0.02	86	15		
70	70		90		96	15		
80	80		105		110	15		
90	90		115		120	15		
100	100		130		135	15		

Ejector Bushing Block (EBB)



Heat Treatment Hardness: HRC60±2, Material: 20Cr

Representative Dimensions	d				d1				D	H	d2	d3
	Dimensions		Dimensional Tolerances	Dimensions	Representative Dimensions							
	12	12	+0.03	20	+0.02	25	6	-0.02 -0.03	-0.03 -0.05			
	16	16	+0.02	25	+0.01	30						
	20	20	+0.035 +0.025	30	+0.025 +0.015	35	8					
	25	25		35		40						
	30	30		42		47	10					
	35	35	48	53								
	40	40	55	60								
	45	45	+0.04	60	+0.02	66						
50	50	+0.03	70	+0.03	76	12						
60	60		80		86	15						
L	26	28	33	38	43	48	53	58	63	68	73	78
L1	14		19		24		29		34		39	

Ordering Method: Name d × L × L1=Quantity
Examples: Ejector Bushing Block Φ25 × 53 × 29=4

Guided Precision Alignment (GPA) Price List

Φ L	12	16	20	25	30	35	40	50	60	70	80	90	100
45	4.8	5.5	6.8										
50	5.2	5.8	7.2	9.5									
55	5.6	6.2	7.6	10									
60	6	6.6	8	10.6									
65	6.4	7	8.5	11.2									
70	6.8	7.4	9	12	17.5	19							
75	7.2	7.8	9.5	12.8	18	20							
80	7.6	8.2	10	13.5	18.5	21.5	32.5						
85	8	8.6	10.3	14	19.2	21.8	34.5						
90	8.4	9	10.6	14.5	20	22.5	36.5						
95	8.8	9.5	11.1	15.3	20.8	23.3	38.5						
100	9.2	10	11.5	16	21.5	24	39.5						
105	9.6	10.4	12.2	16.5	22.5	25	40.3						
110	10	10.8	12.8	17	23.5	26	41						
115	10.5	11.2	13.4	17.6	24.3	27.2	42.5						
120	11	11.5	14	18.2	25	28.5	42.5						
130	11.5	12.2	15.2	19.5	27	31.5	44						
140	12	13.2	16.5	20.8	29.2	34.5	45.8						
150	12.5	14	17.5	22.6	31.2	37.5	48	85					
160	13	15	18.8	24.5	33.5	40.6	51.5	91					
170		16.2	20.2	26.8	36	44.2	54.5	97					
180		17.2	21.5	28.2	38.5	47	57	103					
190		18.5	23	31.5	40.2	49.5	61	109					
200		19.6	24.5	34	42.5	52	64	115					
210		21	26.2	36.5	45	54.8	67	121					
220		22.5	27.8	38.5	47.5	57.8	70.5	127					
230		24	30	40.5	49.5	60.8	74	133					
240		25.5	32.5	43	51.5	63.8	77.5	139					
250		27	34.5	45.5	53.5	66.5	81	145	205				
260		28.5	36.8	48.5	56	68.8	84.5	151	212				
270		30	39	50.8	58.5	71.8	88	157	220				
280		32	41.2	53.5	61.5	74.5	91.5	161	228				
290		34	43.5	55.8	64	77.5	95	167	237				
300		36	46	58	67	80.5	98	173	246	325			
310			48	60.5	70	84.5	102	179	253	335			
320			51	63.5	73.2	88.5	105	185	261	346			
330			54	66	76.5	92.5	108	191	269	356			
340			56.5	68.6	79.8	96	112	197	277	367			
350			58	71.5	83	99.5	115	203	286	378	485	592	699
360			60.5	74.5	86	103	118	209	294	389	500	611	722
370			63	77.5	89	106.5	121	215	302	399	515	631	747
380			65.5	80.5	92	109.5	124	221	310	410	532	654	776

Guided Precision Alignment (GPA) Price List

L \ Φ	12	16	20	25	30	35	40	50	60	70	80	90	100
390			68	83.5	95	113	128	227	318	421	550	679	808
400			71	86.5	98	116.5	131.5	233	326	432	568	704	840
410			73.5	89	101	120	134	239	335	442	588	734	880
420			76	91.5	104	123.5	138	245	343	453	608	763	918
430			78.5	94	107	127	142	251	351	463	626	789	952
440			81	96.5	111	131	146	257	359	474	644	814	984
450			83.5	99	115	135	150	263	367	485	662	839	1016
460				101.5	118	139	154	269	376	496	680	864	1048
470				104	121	143	158	275	384	506	698	890	1082
480				106.5	124	147	162	281	392	517	716	915	1114
490				109	127	151	166	287	400	527	734	941	1148
500				112	130	155	170	293	408	538	750	962	1174
510					155	159	174	299	416	549	765	981	1197
520					136	163	178	305	425	560	783	1006	1229
530					139	167	182	311	433	570	799	1028	1257
540					142	171	186	317	438	581	815	1049	1283
550					145	175	190	323	447	592	833	1074	1315
560						178.5	194	329	456	603	852	1101	1350
570						182	198	335	465	614	870	1126	1382
580						185.5	202	341	473	624	888	1152	1416
590						189	206	347	482	635	906	1177	1448
600						193	210	353	490	646	925	1204	1483
610									498	662	945	1228	1511
620									507	670	965	1260	1555
630									518	678	985	1292	1599
640									525	689	1005	1321	1637
650									538	700	1025	1350	1675
660									550	712	1045	1378	1711
670									562	722	1065	1408	1751
680									571	732	1085	1438	1791
690									582	742	1105	1468	1831
700									595	752	1125	1498	1871
710										763	1145	1527	1909
720										773	1165	1557	1949
730										784	1185	1586	1987
740										795	1205	1615	2025
750										806	1225	1644	2063
760										816	1245	1674	2103
770										827	1265	1703	2141
780										837	1285	1733	2181
790										848	1305	1762	2219
800										858	1325	1792	2259

Guide Bushing Assembly (GBA) Price List

L \ Φ	16	20	25	30	35	40	50	60	70	80	90	100
20	10	10.5	14.5	16								
25	11	12.5	16	18								
30	13	14	18	20	24	30						
35	14	15.5	20	23.5	27	35						
40	15.5	17	21	26.5	32	38	60	80	130	220	310	400
50	17	18.5	23	29.5	36	44	68	98	148	238	328	418
60	19	20	26	36	40	52	78	116	166	260	354	448
70		24	28.5	40	45	58	90	134	186	285	384	483
80		28	32	44	50	64	102	152	210	313	416	519
90		34	36	48	55	70	113	168	235	346	457	568
100		39	40	52	60	75	124	188	263	370	477	584
110			44	56	66	82	135	206	285	395	505	615
120			48	60	72	89	147	225	313	420	527	634
130			52	64	78	96	158	243	348	458	568	678
140			56	68	83	102	169	260	373	493	613	733
150			60	72	88	110	180	288	398	528	658	788
160				76	93	118	192	306	425	565	705	845
170				80	99	126	206	325	446	602	758	914
180				84	106	134	220	343	468	639	810	981
190				88	113	142	235	362	488	678	868	1058
200				92	120	150	250	380	512	716	920	1124
210				96	127	158	265	398	535	758	981	1204
220				100	134	166	280	418	558	798	1038	1278
230				104	141	174	297	438	588	836	1084	1332
240				108	148	182	315	458	620	880	1140	1400
250							333	478	652	924	1196	1468
260							351	498	684	968	1252	1536
270							369	518	716	1012	1308	1604
280							387	538	748	1056	1364	1672
290							405	558	780	1100	1420	1740
300							423	578	812	1144	1476	1808

Guide Bushing Block (GBB) Price List

Φ L	16	20	25	30	35	40	50	60	70	80	90	100
20	9.0	9.5	11.5	14.0								
25	9.8	10.8	12.5	15.5								
30	11.0	12.0	14.0	17.0	21.0	28.0						
35	12.0	13.6	16.0	19.0	24.0	32.0						
40	13.8	15.0	17.5	21.0	28.0	35.0	54.0	72.0	117.0	188.0	259.0	330.0
50	15.2	16.5	19.0	26.5	32.0	39.0	61.0	88.0	133.0	214.0	295.0	376.0
60	17.0	18.5	22.0	30.0	36.0	47.0	70.0	104.0	149.0	234.0	319.0	404.0
70		21.0	25.0	35.0	39.0	53.5	81.0	120.0	167.0	256.0	345.0	434.0
80		25.0	29.0	39.5	43.0	58.0	92.0	137.0	189.0	282.0	375.0	468.0
90		28.0	32.0	43.0	48.0	64.0	102.0	151.0	212.0	312.0	412.0	512.0
100		31.0	36.0	45.0	55.0	68.0	112.0	169.0	236.0	333.0	430.0	527.0
110				48.0	60.0	76.0	122.0	185.0	256.0	355.0	454.0	553.0
120				52.0	65.0	82.0	132.0	202.0	282.0	378.0	474.0	570.0
130				56.0	70.0	87.0	142.0	218.0	313.0	412.0	511.0	610.0
140				60.0	75.0	93.0	152.0	234.0	335.0	443.0	551.0	659.0
150				65.0	80.0	99.0	162.0	259.0	358.0	475.0	592.0	709.0
160							172.0	275.0	382.0	508.0	634.0	760.0
170							185.0	292.0	410.0	542.0	674.0	806.0
180							198.0	308.0	421.0	575.0	729.0	883.0
190							212.0	326.0	439.0	610.0	781.0	952.0
200							225.0	342.0	460.0	644.0	828.0	1012.0
210							238.0	358.0	481.0	682.0	883.0	1084.0
220							252.0	376.0	502.0	718.0	934.0	1150.0
230							267.0	394.0	529.0	752.0	975.0	1198.0
240							283.0	412.0	558.0	792.0	1026.0	1260.0

Return Pin (RPN) Price List

Φ L	10	12	15-16	20	25	30	35	40
80	4.30	5.00	6.80	9.00	12.83			
90	4.80	5.80	7.60	9.60	13.78			
100	5.40	6.50	8.60	10.50	15.20			
110	5.90	7.10	9.50	11.50	16.15			
120	6.50	7.70	10.30	12.50	17.29			
130	7.00	8.40	11.20	13.60	18.53	25.65	29.93	41.80
140	7.50	9.00	12.00	14.70	19.76	27.74	32.78	43.51
150	8.00	9.70	13.00	15.80	21.47	29.64	35.63	45.60
160		10.30	13.80	17.60	23.28	31.83	38.57	48.93
170		11.00	14.70	18.50	25.46	34.20	41.99	51.78
180		11.70	15.50	19.50	26.79	36.58	44.65	54.15
190			16.50	21.00	29.93	38.19	47.03	57.95
200			17.20	22.50	32.30	40.38	49.40	60.80
210			19.95	24.89	34.68	42.75	52.06	63.65
220			21.38	26.41	36.58	45.13	54.91	66.98
230			22.80	28.50	38.48	47.03	57.76	70.30
240			24.23	30.80	40.85	48.93	60.61	73.63
250			25.65	32.78	43.23	50.83	63.18	76.95
260			27.08	34.96	46.08	53.20	65.36	80.28
270			28.50	37.05	48.26	55.58	68.21	83.60
280			30.40	39.14	50.83	58.43	70.78	86.93
290			32.30	41.33	53.01	60.80	73.63	90.25
300			34.20	43.70	55.10	63.65	76.48	93.10
310				45.60	57.48	66.50	80.28	96.90
320				48.45	60.33	69.54	84.08	99.75
330				51.30	62.70	72.68	87.88	102.60
340				53.68	65.17	75.81	91.20	106.40
350				55.10	67.93	78.85	94.53	109.25
360				57.48	70.78	81.70	97.85	112.10
370				59.85	73.63	84.55	101.18	114.95
380				62.23	76.48	87.40	104.03	117.80
390				64.60	79.33	90.25	107.35	121.60
400				67.45	82.18	93.10	110.68	124.93
410				69.83	84.55	95.95	114.00	127.30
420				72.20	86.93	98.80	117.33	131.10
430				74.57	89.30	101.65	120.65	134.90
440				76.95	91.68	105.45	124.45	138.70
450				78.85	94.05	109.25	128.25	142.50
460					96.43	112.10	132.05	146.30
470					98.80	114.95	135.85	150.10
480					101.18	117.80	139.65	153.90
490					103.55	120.65	143.45	157.70
500					106.40	123.50	147.25	161.50
510						126.35	151.05	165.30
520						129.20	154.85	169.10
530						132.05	158.65	172.90
540						134.90	162.45	176.70
550						137.75	166.25	180.50

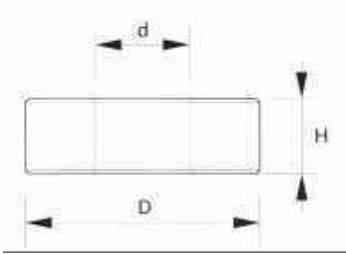
Ejector Bushing Block (EBB) Price List

Support Rib Block (SRB) Price List

L	16	20	25	30	35	40	50	60	70
20	13.5	14.18	19.58	21.6					
25	14.85	16.88	21.6	24.3					
30	17.55	18.90	24.30	27.00	32.40	40.50			
35	18.90	20.93	27.00	31.73	36.45	47.25			
40	20.95	22.95	28.35	35.78	43.20	51.30	81.00	108.00	175.50
50	22.95	24.98	31.05	39.83	48.60	59.40	91.80	132.30	199.80
60	25.65	27.00	35.10	48.60	54.00	70.20	105.30	156.60	224.10
70		32.40	38.48	54.00	60.75	78.30	121.50	180.90	251.10
80		37.80	43.20	59.40	67.50	86.40	137.70	205.20	283.50
90		45.90	48.60	64.80	74.25	94.50	152.55	226.80	317.25
100		52.65	54.00	70.20	81.00	101.25	167.40	253.80	355.05
110			59.40	75.60	89.10	110.70	182.25	278.10	384.75
120			64.80	81.00	97.20	120.15	198.45	303.75	422.55
130			70.20	86.40	105.30	129.60	213.30	328.05	469.80
140			75.60	91.80	112.05	137.70	228.15	351.00	503.60
150			81.00	97.20	118.80	148.50	243.00	588.80	537.30

φ	20	25	30	35	40	50	60	70	80	90	100
45	5.93	6.78	8.78	10.94	12.25	19.33	23.03	37.35	42.29	57.84	64.01
50	6.12	7.05	9.16	11.43	12.87	20.27	24.34	39.09	44.52	60.63	67.41
ss	6.31	7.33	9.53	11.92	13.50	21.20	25.64	40.82	46.75	63.41	70.81
60	6.51	7.61	9.91	12.42	14.12	22.13	26.94	42.56	48.98	66.19	74.22
65	6.70	7.89	10.29	12.91	14.75	23.06	28.25	44.29	51.20	68.98	77.62
70	6.89	8.16	10.67	13.40	15.37	24.00	29.55	46.03	53.43	71.76	81.02
75	7.09	8.44	11.05	13.90	16.00	24.93	30.85	47.77	55.66	74.55	84.42
80	7.28	8.72	11.42	14.39	16.62	25.86	32.16	49.50	57.89	77.33	87.82
85	7.47	9.00	11.80	14.88	17.24	26.80	33.46	51.24	60.12	80.12	91.22
90	7.66	9.28	12.18	15.38	17.87	27.73	34.76	52.97	62.35	82.90	94.62
95	7.86	9.55	12.56	15.87	18.49	28.66	36.07	54.71	64.58	85.68	98.02
100	8.05	9.83	12.94	16.37	19.12	29.60	37.37	56.44	66.81	88.47	101.43
105	8.24	10.11	13.31	16.86	19.74	30.53	38.68	58.18	69.04	91.25	104.83
110	8.43	10.39	13.69	17.35	20.37	31.46	39.98	59.91	71.26	94.04	108.23
115	8.63	10.66	14.07	17.85	20.99	32.40	41.28	61.65	73.49	96.82	111.63
120	8.82	10.94	14.45	18.34	21.62	33.33	42.59	63.38	75.72	99.61	115.03
130	9.21	11.50	15.20	19.33	22.87	35.20	45.19	66.85	80.18	105.17	121.83
140	9.59	12.05	15.96	20.31	24.12	37.06	47.80	70.32	84.64	110.74	128.64
150	9.98	12.61	16.72	21.30	25.37	38.93	50.41	73.79	89.10	116.31	135.44
160	10.36	13.16	17.47	22.29	26.62	40.80	53.01	77.27	93.55	121.88	142.24
170	10.75	13.72	18.23	23.28	27.86	42.66	55.62	80.74	98.01	127.45	149.04
180	11.13	14.27	18.98	24.26	29.11	44.53	58.23	84.21	102.47	133.02	155.84
190	11.52	14.83	19.74	25.25	30.36	46.40	60.83	87.68	106.93	138.58	162.65
200	11.91	15.38	20.49	26.24	31.61	48.26	63.44	91.15	111.39	144.15	169.45
210	12.29	15.94	21.25	27.22	32.86	50.13	66.05	94.62	115.84	149.72	176.25
220	12.68	16.49	22.01	28.21	34.11	51.99	68.65	98.09	120.30	155.29	183.05
230	13.06	17.05	22.76	29.20	35.36	53.86	71.26	101.56	124.76	160.86	189.86
240	13.45	17.60	23.52	30.19	36.61	55.73	73.87	105.03	129.22	166.43	196.66
250	13.83	18.16	24.27	31.17	37.86	57.59	76.47	108.50	133.67	171.99	203.46
260	14.22	18.72	25.03	32.16	39.11	59.46	79.08	111.97	138.13	177.56	210.26
270	14.60	19.27	25.79	33.15	40.36	61.33	81.69	115.44	142.59	183.13	217.07
280	14.99	19.83	26.54	34.14	41.61	63.19	84.29	118.91	147.05	188.70	223.87
290	15.38	20.38	27.30	35.12	42.86	65.06	86.90	122.38	151.51	194.27	230.67
300	15.76	20.94	28.05	36.11	44.11	66.93	89.51	125.85	155.96	199.84	237.47
310	16.15	21.49	28.81	37.10	45.36	68.79	92.11	129.32	160.42	205.41	244.28
320	16.53	22.05	29.56	38.08	46.61	70.66	94.72	132.80	164.88	210.97	251.08
330	16.92	22.60	30.32	39.07	47.86	72.53	97.33	136.27	169.34	216.54	257.88
340	17.30	23.16	31.08	40.06	49.11	74.39	99.94	139.74	173.79	222.11	264.68
350	17.69	23.71	31.83	41.05	50.35	76.26	102.54	143.21	178.25	227.68	271.49

Sprue Pushing Collar (SPC)



Nominal Sprue Edge	H ± 0.2	D ± 0.2	d ^{+0.2}	Matching Screws	Price (Actual)
12	6	16	6.5	6 x 16	4
16	8	20	8.5	8 x 25	
20	10	26	10.5	10 x 30	
25		31	12.5	12 x 35	
30	14	38	16.5	16 x 35	6
35	16	43			
40		48			
45		53			
50	20	58	20.5	20 x 45	10
60		68			15
70		78			

Ordering Method: Name + Sprue Pushing = Quantity. Example: Collar 25=20 pcs (Note: 25 indicates Sprue Pushing diameter)

Hoisting Ring



General Standard



GB Standard

Specifica tion	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36	M42
General Standard	1.00	1.60	2.20	2.60	3.40	4.40	6.40	7.40	10.00	18.00	18.00	29.00	72.60
GB Standard	2.40	3.50	5.00	7.40	7.40	7.80	11.00	23.00	23.00	39.00	46.00	74.00	126.00

Sibo Diamond Grinding Head



Model	Set	RZ30B	T2.5	T7	T10	A10	A15	A20	A25	A30	A35	A40	A50	A60	A70	A80	D8
Unit Price	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	33.00	42.00	48.00	60.00	70.00	70.00
Model	D1	D1.5	D1.5	D2	D2.5	D3	D4	D5	D6	C30	C33	C50B	C60	AR15	AR30	K13 -10	K13 -15
Unit Price	22.00	22.00	22.00	22.00	22.00	22.00	33.00	42.00	48.00	22.00	22.00	42.00	48.00	22.00	22.00	100.00	100.00

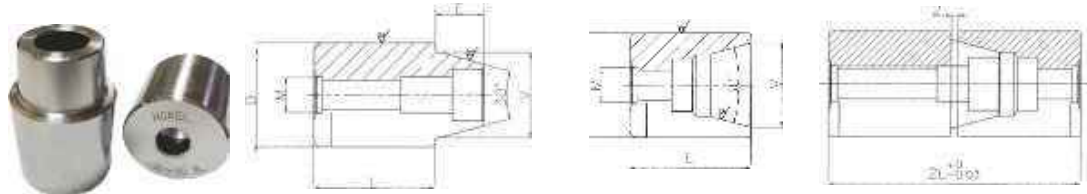
Mold Protective Curtain

Specification	Unit	Price
300X800	Block	70 RMB
350X800	Block	75 RMB
400X800	Block	80 RMB
450X800	Block	90 RMB
500X800	Block	100 RMB



Assembly Integrated Countersunk Locating Post

Suggested Price

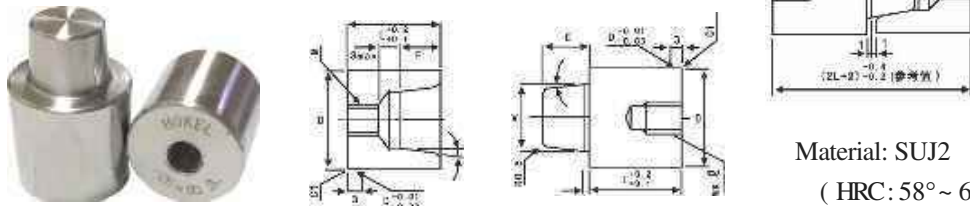


Material: SUJ2
(HRC: 58°~ 62°)

Model	D	Tolerance	2L	L	V	E	d	E1	F	H	J	M	N	Unit Price
AIC-12	12	+0.01	30	14	10	6	6.5	3.3	5	3.3	4.4	4	5.6	10
AIC-13	13	+0.02	30	14	10	6	6.5	3.3	5	3.3	4.4	4	5.6	10
AIC-14	14	+0.015	30	14	12	6	6.5	3.3	5	3.3	4.4	4	5.6	10
AIC-16	16		30	14	12.5	6	8	4.4	5	4.4	5.4	5	5.6	11
AIC-18	18		40	19	14	7	9.5	5.4	7	5.4	6.4	6	8.6	12
AIC-20	20	+0.02 +0.03	40	19	14	7	9.5	5.4	7	5.4	6.4	6	8.6	14
AIC-25	25		50	24	16	10	11	6.5	10	7	8.6	8	11	18
AIC-30	30		60	29	22	13	14	8.6	13	9	11	10	13	25
AIC-35	35		70	34	24	16	17.5	10.8	16	11	13	12	15	45

Type All Taper Locating Post

Suggested Price

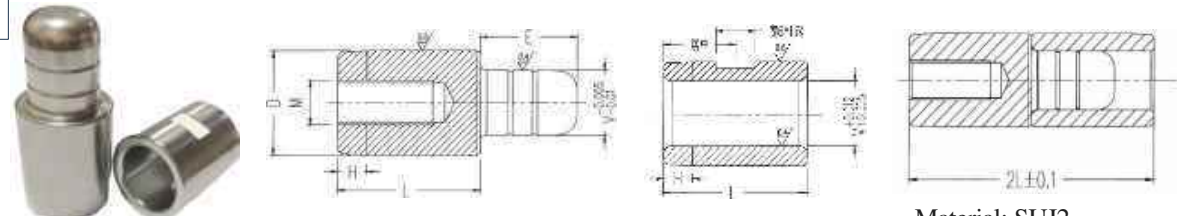


Material: SUJ2
(HRC: 58°~ 62°)

Model	D	Tolerance	2L	L	V	E	M	Unit Price
All-12	12	+0.01	30	14	8	7	5	7.8
All-13	13	+0.02	30	14	8	7	5	7.8
All-14	14	+0.015 +0.025	30	14	9	7.5	5	7.8
All-14	14B		40	19	9	7.5	5	8.2
All-16	16		30	14	10.5	8	5	8
All-16	16B		40	19	10.5	8	5	8.4
All-18	18		40	19	12	g	6	8.6
All-18	18B		50	24	12	9	6	9
All-20	20		40	19	13	9	6	8.8
All-20	20B		50	24	13	9	6	9.4
All-22	22	+0.02 +0.03	50	24	13	9	6	12.6
All-25	25		50	24	16	12	8	12.6
All-30	30		60	29	15	20	10	19.2
All-35	35		70	34	18	24	12	40
All-40	40		80	39	18	29	12	60

Cylinder Integrated Heavy-duty Straight Guide Post (CIH)

Suggested Price



Material: SUJ2
(HRC: 58°~ 62°)

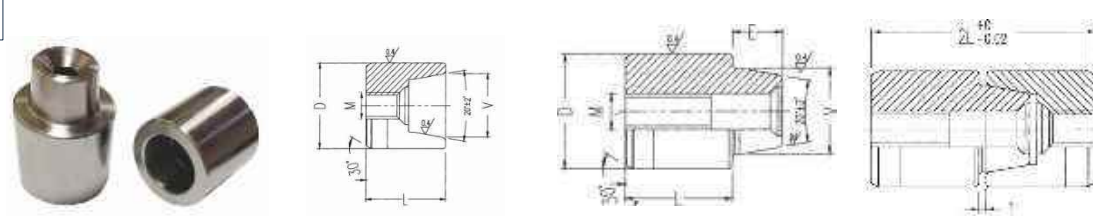
Model	D	Tolerance	2L	L	V	E	M	Unit Price
CIH-14	14	+0.025 +0.015	40	20	9	13	6	12
CIH-16	16		44	22	10	15	8	12
CIH-18	18		50	25	12	18	8	14
CIH-18	18		40	20	12	15	8	14
CIH-20	20		50	25	14	18	8	16
CIH-20	20		40	20	14	15	8	16
CIH-22	22	+0.03 +0.02	50	25	16	20	10	18
CIH-25	25		60	30	18	22	10	20
CIH-30	30		70	35	22	25	10	28

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Procurement Code: Cih-XX (Indicates: Φ18x50)

Type AIII Countersunk Taper Locating Post

Suggested Price

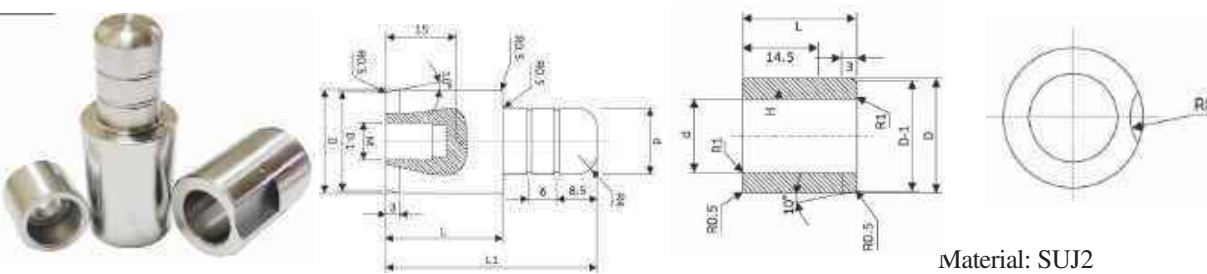


Material: SUJ2
(HRC: 58°~ 62°)

Model	D	Tolerance	2L	L	V	E	M	Unit Price
AIII-10	10	+0.015 +0.01	21	10	8.5	4.5	4	10
AIII-12	12		23	11	9.5	5	4	10
AIII-14	14		27	13	11	6	5	10
AIII-16	16	+0.02 +0.015	31	15	12	7	5	11
AIII-18	18		35	17	14	8	6	12
AIII-20	20		39	19	15	9	6	14
AIII-22	22	+0.025 +0.02	43	21	17	10	8	16
AIII-25	25		49	24	19	11	8	18
AIII-30	30		59	29	23	13	10	25

Flanged Bushing Bracket Guide Post (FBB)

Suggested Price

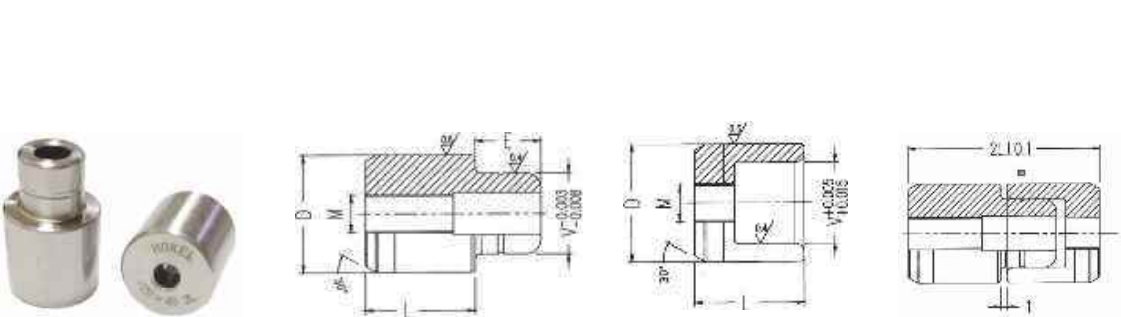


Material: SUJ2
(HRC: 58°~ 62°)

Model	D	Tolerance	2L	L	d	L1	H	M	Unit Price
FBB-16	16	+0.01 +0.02	45	22	10	15	6	8	17
FBB-18	18		50	25	12	20	7	8	17
FBB-20	20		50	25	12	20	8	8	18
FBB-22	22		60	30	14	20	9	8	20
FBB-24	24		70	35	16	20	10	10	24

Bushing Integrated Straight Guide Post (BI)

Suggested Price



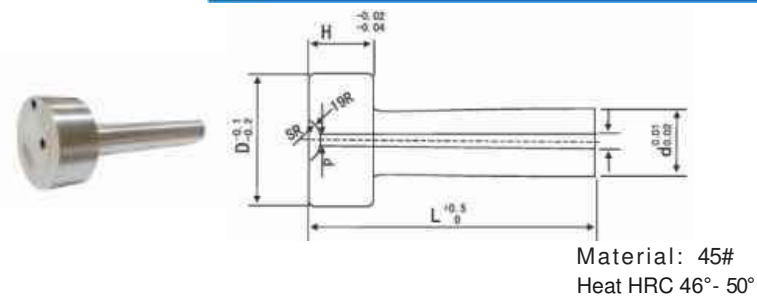
Material: SUJ2
(HRC: 58°~ 62°)

Model	D	Tolerance	2L	L	V	E	M	Unit Price
BI-10	10	+0.01 +0.02	21	10	7	5.5	4	8
BI-12	12		23	11	8.5	6	5	8
BI-14	14		27	13	10	7	6	8
BI-16	16	+0.015 +0.025	31	15	11	9	6	9
BI-18	18		35	17	12	10	6	10
BI-20	20		39	19	13	11	6	11
BI-22	22	+0.015 +0.025	43	21	15	13	8	13
BI-25	25		49	24	17	15	8	15
BI-30	30		59	29	21	18	10	20

Type A Sprue Bushing

Standard (Without Heat Treatment);
Standard (Heat Treated);
Premium (Heat Treated & Polished)

Suggested Price
Suggested Price
Suggested Price

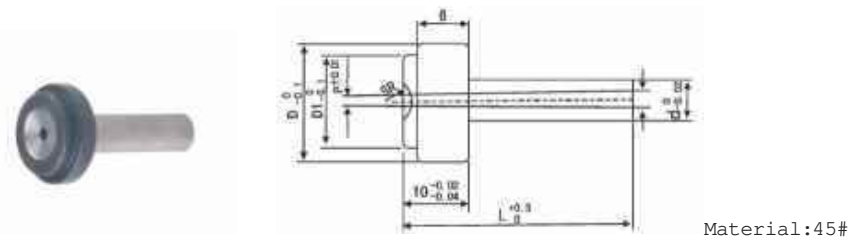


d	L																						
	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200
3/8.8	5	5	5	5.2 0	5.6 0	5.8 0	6	6.2 0	6.4 0	6.6 0	6.8 0	7.2 0	7.5	10.0 0	12.0 0								
10/1 2	4.5 0	4.5 0	4.5 0	4.7 0	4.8 0	5.0 0	5.1 0	5.3 0	5.4 0	5.7 0	5.8 6	6.2 0	6.5	7.00	7.40	8.70	10.0 0	12.5 0	15.0 0	20.0 0	25.0 0	32.0 0	36.0 0
1/2	4.8 0	5	5	5.3 0	5.4 0	5.6 0	5.8 0	6.0 0	6.2 0	6.5 0	6.6 0	7.2 0	7.5	8.00	8.50	10.0 0	11.0 0	13.0 0	18.0 0	24.0 0	28.0 0	35.0 0	40.0 0
14	5.0 0	5.0 0	5.0 0	5.3 0	5.5 0	5.7 0	5.8 5	6.3 0	6.5 0	6.6 0	7.0 0	7.5 0	8.18	8.53	9.30	10.4 0	11.8 0	16.8 0	22.0 0	28.0 0	33.6 0	37.0 0	44.0 0
16	6.7 0	6.7 0	6.7 0	7	7.2 0	7.5 0	7.7 0	8	8.2 0	8.5 0	8.7 0	9.3 0	9.8	10.5 0	11.5 0	13	15	19	24	30	40	52	60
20	6.7 0	6.7 0	6.7 0	7	7.2 0	7.5 0	7.7 0	8	8.2 0	8.5 0	8.7 0	9.3 0	9.8	10.5 0	11.5 0	13	15	19	24	30	40	52	60

Type B Sprue Bushing

Black Head
White Head
Large Hole
Hardened

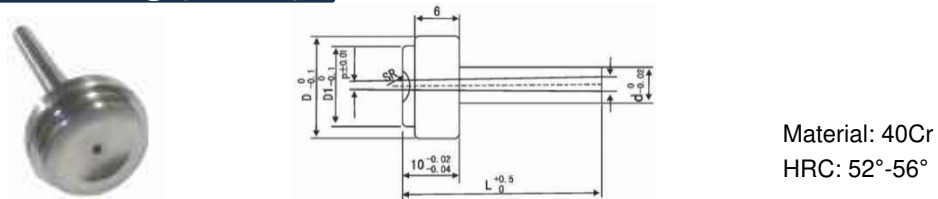
Suggested Price
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Suggested Price



d	L																								
	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200
8	3.09	3.09	3.09	3.22	3.36	3.44	3.62	3.68	3.86	3.97	4.05	4.24	4.80	5.50	6.20	7.50	9.00								
10	3.09	3.09	3.09	3.22	3.36	3.44	3.62	3.68	3.86	3.97	4.05	4.24	4.78	5.18	5.39	6.00	6.80	7.60	9.00	10.40	12.00				
12	3.44	3.44	3.44	3.55	3.68	3.84	3.97	4.11	4.24	4.36	4.53	4.66	4.80	5.10	5.38	5.78	6.44	7.64	8.84	10.40	12.40	14.50	16.60	18.00	22.00
14			3.51		3.79		4.04		4.56		5.12		5.66		6.18	6.81	7.34	8.23	9.16	11.22	12.28	14.89	16.80	18.62	23.00
16			3.94		4.30		5.12		5.66		6.76		7.86		8,92	9.70	10.40	11.28	12.04	12.96	13.90	15.46	17.04	20.32	23.50
18					4.51		5.38		6.42		7.48		8.54		9,62	10.42	11.22	12.04	12.84	14.16	15.48	17.06	18.60	22.46	24.00
20					5.88		6.68		7.80		8.54		9.36		10.16	10.96	11.78	12.86	13.88	15.46	17.12	18.72	20.32	23.50	24.58

Type B High-Precision Sprue Bushing (40CR)

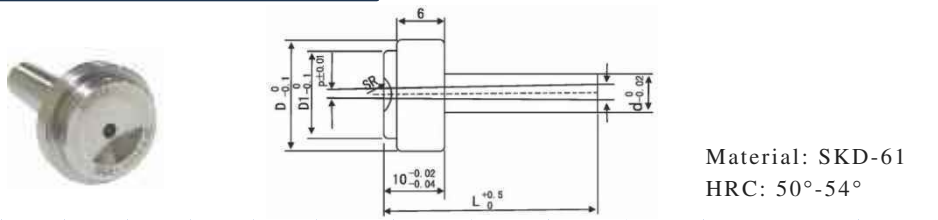
suggested price



d	L																								
	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200
8	8.4 4	8.8 6	9.2 8	9.6 6	10. 08	10. 32	10. 86	11. 04	11. 58	11. 92	12. 16	12. 72	14. 4	16. 5	18. 6	22. 5	27								
10	8.4 4	8.8 6	9.2 8	9.6 6	10. 08	10. 32	10. 86	11. 04	11. 58	11. 92	12. 16	12. 72	14. 34	15. 54	16. 18	18	20. 4	22. 8	27	31. 2	36				
12	9.4 2	9.8 4	10. 32	10. 66	11. 04	11. 52	11. 92	12. 34	12. 72	13. 08	13. 6	13. 98	14. 4	15. 3	16. 14	17. 34	19. 32	22. 92	26. 6	31. 2	37. 2	43. 6	49. 8		
14			10. 6		11. 4		12. 2		13. 8		15. 4		17		18. 6	20. 6	22. 2	24. 8	27. 6	33. 66	36. 84	44. 68	50. 4	55. 86	69
16			11. 82		12. 9		15. 36		16. 98		20. 28		23. 6		26. 76	29. 1	31. 2	33. 84	36. 12	38. 88	41. 7	46. 38	51. 12	60. 96	70. 5

Type B High-Precision Sprue Bushing (SKD61)

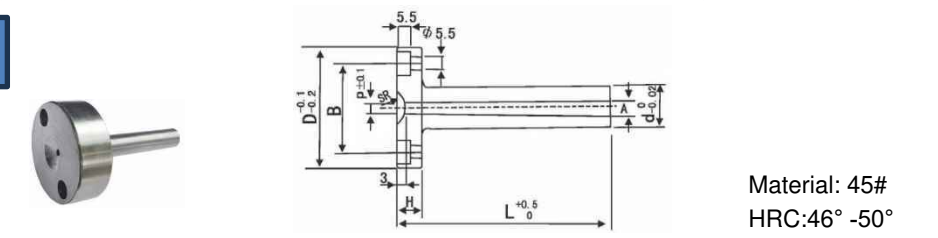
suggested price



d	L																				
	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	130	140	150	160
8	22	23	24	25	26	26	27	28	29	30	31	33	35	36	38	40	42	45	50	55	65
10	22	23	24	25	26	26	27	28	29	30	32	33	35	36	38	40	42	45	50	55	65
12	23	24	25	26	26	27	28	29	30	31	32	34	35	36	38	41	43	48	55	60	70
14																					
16																					

Type C Sprue Bushing

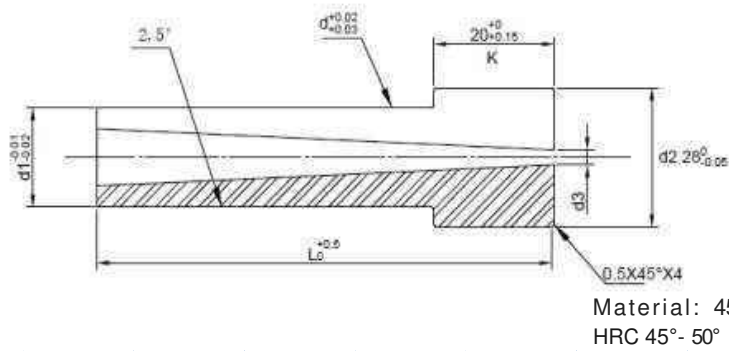
suggested price



D		L										
		50	60	70	80	90	100	110	120	130	140	150
Φ35	Φ12-Φ16-Φ20	16.00	16.00	16.00	16.00	19.00	19.00	24.00	24.00	24.00	30.00	30.00
Φ40	Φ12-Φ16-Φ20	16.00	16.00	16.00	16.00	19.00	19.00	24.00	24.00	24.00	30.00	30.00
Φ50	Φ12-Φ16-Φ20	30.00	30.00	30.00	30.00	36.00	36.00	46.00	46.00	46.00	60.00	60.00

Type D Sprue Bushing

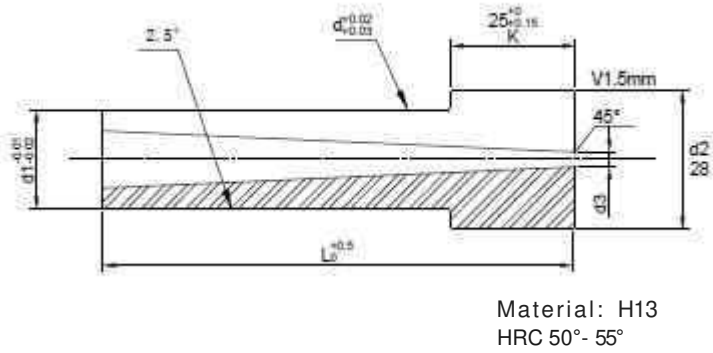
Head with 45° Chamfer



D	L										
	50	65	75	85	95	105	115	125	135	150	200
12	5.52	6.07	6.46	6.75	7.29	9.18	10.34	11.37	12.82	15.3	31.07
14	6.6	6.75	7.43	8.39	9.37	10.68	12.14	13.2	14.08	17	31.07
16	6.6	7.28	8.55	10.19	10.68	12.58	13.1	14.37	15.35	19.42	32.36
18	10	10.4	10.8	11.65	12.5	15.1	16.18	17.26	24.4	28.82	35.26
20	11.67	10.58	12.7	13.8	14.8	19.96	23.73	26.97	32.55	34.8	38.8

Type SKD Sprue Bushing

Flat Head



D	L										
	50	65	75	85	95	105	115	125	135	150	200
12	21.69	24.65	32.48	34.8	35.1	37.45	38	38.5	39	50	75
14	26.89	27.85	32.76	34.81	35.5	37.47	38	39	40	55	80
16	30.56	32.15	33.81	37.47	38.8	44.75	48.9	53.5	58.2	65	95
18	31.5	33.2	34.8	38.5	40	46	50	54.7	59.5	75	105
20	32.5	34.8	38.28	43.29	47.33	52.35	54.95	57.5	61.5	85	110

Ball Bearing Slide Guide Post

suggested price



SGP
Material: SUJ2
(Bronze, Plastic, Aluminum Bushing) (HRC: 58°~ 62°)

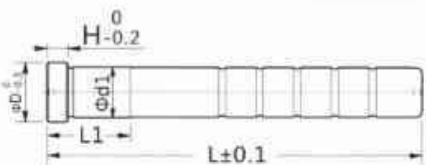
D L	Φ 16-18		Φ 19-20		22		25		28		32		35		38		40		45		50	
	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP	SGP	SRP
80	10.2	29.1	12.30	29.7	15.2	35.0																
90	10.2	29.1	12.50	30.0	15.7	36.0																
100	10.6	30.2	12.8	33.3	16.6	37.7	18.50	44.2	23.0	56.0												
110	11.2	31.3	13.50	33.6	17.0	38.1	18.5	45.8	23.7	57.0												
120	11.7	33.0	13.90	34.0	17.4	38.4	18.9	47.6	24.3	58.0												
130	12.2	34.0	14.40	35.8	17.8	38.8	19.4	48.3	25.0	59.0	31.6											
140	12.5	35.7	15.0	36.3	18.1	39.2	19.7	48.7	25.6	59.7	32.4	72.3	41.0		46							
150	13.0	36.8	15.3	37.0	18.6	39.6	20.2	49.2	26.2	60.3	33.10	73.1	41.3	83.4	47	99.4	52.9		68		79	
160	13.5	37.8	15.6	38.0	19.1	40.0	20.8	49.8	26.9	61.0	34.0	74.0	42.2	84.3	48.10	100	54.0	116.4	68	160	79	185
170	14.5	39.0	15.9	40.0	19.6	42.4	21.4	50.3	27.6	61.6	35.0	74.8	43.1	85.3	49.20	101.7	55.2	117.7	68	161	79	188
180	15.5	40.1	16.40	41.0	20.1	43.4	22.3	50.9	28.2	62.3	36.2	78.7	44.8	86.3	52.40	102.8	57.2	119.0	68.0	162	79	190
190	17		16.80	42	20.6	43.8	22.6	53.5	28.9	65.2	36.9	79.0	45.7	89.9	53.60		58.3	122.9	70.0	163	80	195
200			17.50	43	21.1	44.4	23.2	54.1	29.5	66.0	37.5	79.9	46.6	90.0	54.70		59.5	124.2	72.0	164	84	200
210			19	44	22.50	46	23.9	54.6	30.2	66.5	38.2	80.8	47.5	91.9	55.80		60.6	125.5	74.0	165	87	200
220			20	45	23.50	48	24.5	55.2	30.8	67.1	39.9	81.6	48.4	92.9	56.90		61.8	126.8	76.0	166	90	200
230			21	46	24.50	50	25.0	55.7	31.5	67.8	40.8	82.5	49.30	93.8	58		62.9	128.0	78.0	167	94	206
240			22	47	25.50	52	25.6	56.4	33.5	68.4	41.6	83.4	50.2	94.8	59.10		64.0	129.3	81.0	169	97	208
250			24	48	26	54	28	56.8	34.2	69.1	43.0	84.2	51.1	95.8	61.10		65.2	130.6	82.0	170	100	210
260			25		27	55	29	60	35.50	75	46.0	85.1	52.6	96.8	62.30		67.2	131.7	85.0	172	104	212
270			28		30	56	32	62	36.50	76	48.0	85.9	54.0	97.8	63.40		68.4	133.1	87.0	174	107	214
280			30		34	57	35	63	38	77	50.0	86.8	55.0	98.8	64.50		69.50	134.4	90.0	178	108	216
290			32		37		38	64	39	78	51.0	87.6	56.0	99.7	65.70		70.60	135.7	96.0	180	112	218
300			35				40	65	42	80	52.0	88.5	57.0	100.7	66.80		71.80	137.0	97.0	185	115	220
310								70	43		55		58.0		68		72.90		100.0		126	280
320								71	45		58		60.0		70		74.10		106.0		130	
330								72	48		60		65		75		80		110.0		135	
340								73	60		65		72		78		85		115		140	
350								75	55		70		78		80		90		120		145	
360									60		80		85		90		95		130		150	
380									65		85		95		105		110		145		165	
390																						

Other Components

Streamlined Edge



Material: 20Cr
Heat Treatment Hardness: HRC60±2



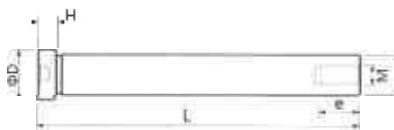
Ordering Method: Name d × L=Quantity
Examples: Streamlined Edge 25 × 250=4

Support Rod Bushing



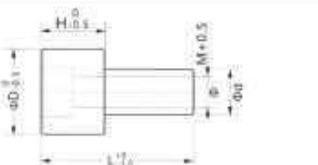
Ordering Method: Name d × L=Quantity
Examples: Support Rod Bushing 50 × 120=4 (Tapped M10)

Small Tie Rod



Ordering Method: Name d × L=Quantity
Examples: Small Tie Rod (or Hex Socket Pillar) 20 × 160=4, Tapped M10, Shoulder 26×10

Limit Spacer

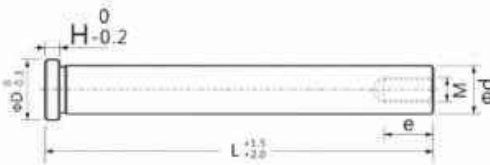


Ordering Method: Name Φ(d) × L=Quantity
Examples: Limit Spacer 10.5 (20) × 60=4 Countersunk Hole

Tapped Return Pin



Material: 20Cr
Heat Treatment Hardness: HRC60±2



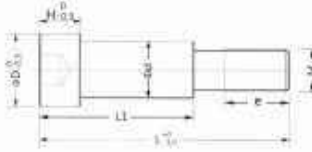
Ordering Method: Name d × L=Quantity
Examples: Tapped Return Pin 20 × 160=4

Support Rod Bushing with Countersunk Through Hole



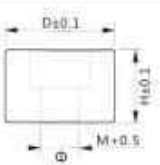
Ordering Method: Name d × L=Quantity
Examples: Support Rod Bushing 50 × 120=4 (M10 Countersunk Hole)

Hex Socket Shoulder Screw



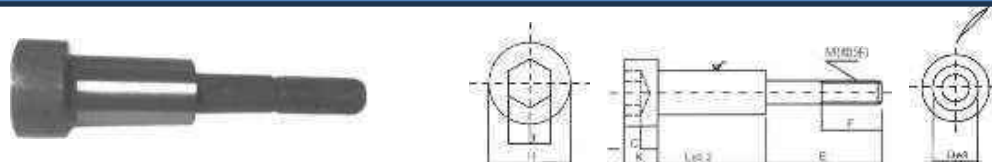
Ordering Method: Name d × L × L1 =Quantity
Examples: Shoulder Screw (or Hex Socket Pillar) 20 × 160 × 100=4
External Thread M12×25, Shoulder 25×12

Return Pin Ejector



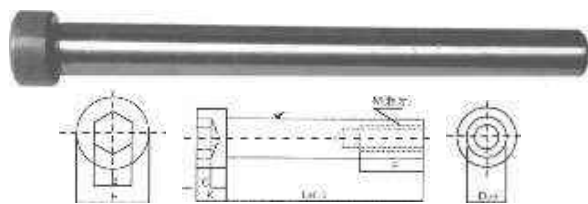
Ordering Method: Name D × H=Quantity
Examples: Return Pin Ejector 30 × 18=4 M10 Countersunk Hole

Type C High-Quality Small Tie Rod (Heat-Treated). Hardness (28°~32°)



DE9		C	K	H	B	M	F	L	E	Unit price
10	-0.032 -0.075	4	8	16	6	M6	18	16	22	22
								21	27	25
								14	30	22
								19	35	24
								24	40	25
								30	40	26
								35	45	28
								40	50	30
								15	35	27
								20	40	29
								25	40	31
								30	45	33
								35	50	36
								40	50	40
								45	55	44
								20	45	33
								25	45	35
								30	50	37
								35	55	40
								40	55	43
								45	60	46
								50	60	50
								31	60	47
								41	65	55
								51	70	64

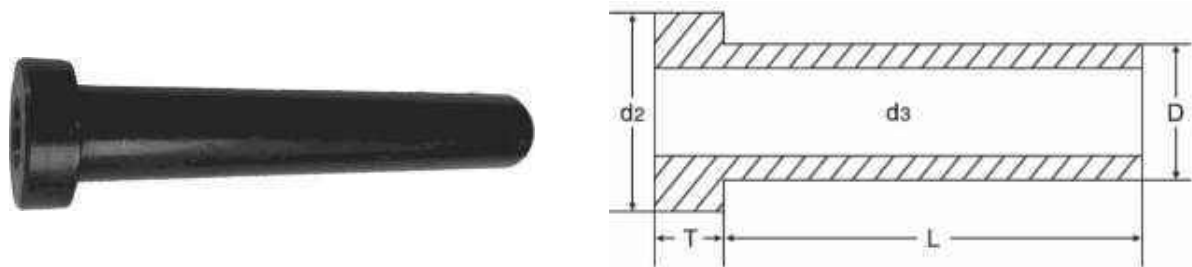
Type A High-Quality Small Tie Rod (Heat-Treated). Hardness (28°~32°)



D		L	C	K	H	B	M	F
10	-0.032 -0.075	40 50 60 70 80 90 100 110 120 130 140 150 160 170 180	4	8	16	6	M6	12
13	-0.032 -0.075	60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220	4	10	18	8	M8	23
16	-0.032 -0.075	100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 280 300	7	14	24	10	M10	25
20	-0.04 -0.092	120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 280 300	9	14	28	14	M12	30
25	-0.04 -0.092	170 180 190 200 210 220 230 240 250 260 280 300	10	18	33	17	M16	35

	10	13	16	20	25
40	15				
50	17				
60	18				
70	19				
80	21	25	30		
90	23	27	33		
100	26	30	36	44	
110	29	33	38	47	
120	32	36	41	49	
130	34	38	44	52	
140	37	41	47	55	
150	40	44	49	57	85
160	43	47	52	60	90
170	45	49	55	63	95
180	48	52	57	65	100
190		55	60	68	105
200		57	63	71	110
210		60	65	74	115
220		63	68	76	120
230			71	79	125
240			73	82	130
250			76	85	140
260			79	87	150
270			82	90	160
280			85	93	170
290			88	120	180
300			91	150	190

Misumi Coil Spring Retainer (CSR)



D		d3	d2	T	L
10	-0.025 -0.061	6.3	15	5	
13	-0.035	8.4	18	5	30—150
16	-0.075	10.6	24	8	40—200
20	-0.040	12.6	28	10	40—250
25	-0.095	16.8	36	13	50—300
32	-0.050 -0.112	20.8	45	16	60—300

L	Φ	13	16	20	25	32
30		3				
35		3				
40		3	3.6	7.36		
45		3.6	3.6	7.36		
50		3.6	3.6	7.36	12.8	
55		3.6	3.6	7.36	12.8	
60		3.8	4.4	7.36	12.8	16
65		3.8	4.4	7.36	12.8	
70		3.8	4.4	7.36	12.8	16
75		4.2	4.4	7.36	12.8	
80		4.2	5	7.36	12.8	16
85		4.2	5	8	12.8	
90		4.8		8	12.8	16
95		4.8		8	12.8	
100		4.8	6	8	12.8	16
110		6.4	6	8.8	13.6	19.2
120		7	6	8.8	13.6	19.2
130		7	7	8.8	14.4	19.2
140		7	7	8.8	14.4	22.4
150		8	7.6	8.8	14.4	22.4
160			7.6	9.6	16	22.4
170			8	9.6	16	25.6
180			8	9.6	16	25.6
190			8	11.2	19.2	25.6
200			8	11.2	19.2	28.8
210				11.2	19.2	28.8
220				11.2	19.2	30.4
230				12.8	19.2	30.4
240				12.8	19.2	30.4
250				12.8	19.2	30.4
260					24	32
270					24	32
280					24	35.2
290					24	35.2
300					25.6	35.2