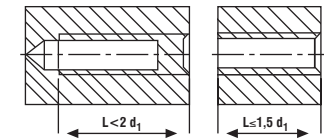


JUEGOS DE MACHOS Y M. ÚNICO DE MANO - MÁQUINA. WHITWORTH.

3032 IZAR

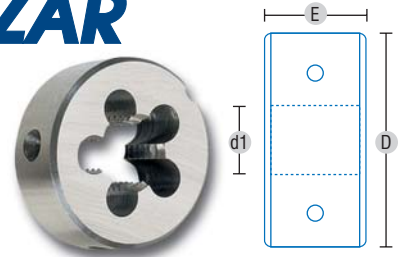


400-800 N/mm ²	800-1100 N/mm ²	Fundición Cast/Iron	HSS	DIN 352	C 2-3h
∞ 10°±2		N°1: Desbaste	N°2: Semiocab.	N°3: Acabado	

Ref.	Cód	D mm	Hilos	L mm	I mm	d mm		
0118400	62663	W 3/32	48	40	9	2,8	2,1	3
0118401	62642	W 1/8	40	40	14	3,5	2,7	3
0118402	62675	W 5/32	32	45	17	4,5	3,4	3
0118403	62660	W 3/16	24	50	19	6,0	4,9	3
0118404	62684	W 7/32	24	50	19	6,0	4,9	3
0118405	62633	W 1/4	20	50	20	6,0	4,9	3
0118406	62669	W 5/16	18	56	20	6,0	4,9	4
0118407	62654	W 3/8	16	63	22	7,0	5,5	4
0118408	62681	W 7/16	14	70	22	8,0	6,2	4
0118409	62630	W 1/2	12	75	25	9,0	7,0	4
0118410	62687	W 9/16	12	80	26	11,0	9,0	4
0118411	62666	W 5/8	11	80	27	12,0	9,0	4
0118412	62645	W 3/4	10	95	32	14,0	11,0	4
0118413	62678	W 7/8	9	100	32	18,0	14,5	4
0118414	62693	W 1"	8	110	36	18,0	14,5	4
0118415	62702	W 1" 1/8	7	125	40	22,0	18,0	4

COJINETE DE MÁQUINA. WHITWORTH

3502 IZAR

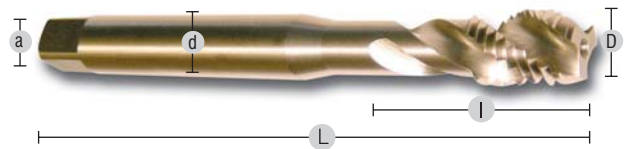


400-800 N/mm ²	HSS	DIN 223	W	∞ 10-17°	Chaflán Entrada 1,75h
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Ref.	Cód	d1 mm	Hilos	D mm	E mm
0118500	63356	W 3/32	48	16	5
0118501	63329	W 1/8	40	20	5
0118502	63356	W 5/32	32	20	7
0118503	63341	W 3/16	24	20	7
0118504	63365	W 7/32	24	20	7
0118505	63323	W 1/4	20	20	7
0118506	63350	W 5/16	18	25	9
0118507	63335	W 3/8	16	20	11
0118508	63362	W 7/16	14	30	11
0118509	63320	W 1/2	12	38	14
0118510	63368	W 9/16	12	38	14
0118511	63347	W 5/8	11	45	18
0118512	63332	W 3/4	10	45	18
0118513	63359	W 7/8	9	55	22
0118514	63374	W 1"	8	55	22
0118515	63377	W 1" 1/8	7	65	25

MACHOS DE MÁQUINA WHITWORTH

3152 IZAR

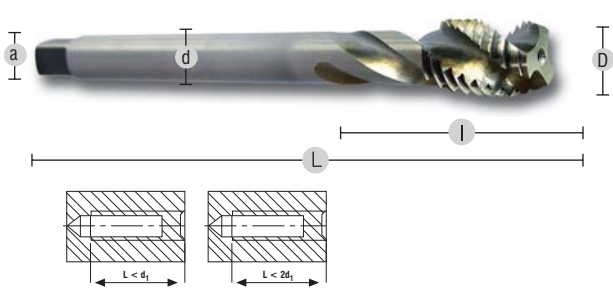


800-1100 N/mm ²	Fundición Cast/Iron	Al	Plastic	HSSE 5% Co	DIN 371
C 2-3h		∞ 10°±2			

Ref.	Cód	D mm	Hilos	L mm	I mm	d mm		
0118600	63149	W 1/8	40	56	5	3,5	2,7	3
0118601	63152	W 5/32	32	63	7	4,5	3,4	3
0118602	63158	W 3/16	24	70	8	6,0	4,9	3
0118603	63161	W 1/4	20	80	10	7,0	5,5	3
0118604	63167	W 5/16	18	90	12	8,0	6,2	3
0118605	63170	W 3/8	16	100	14	9,0	7,0	3



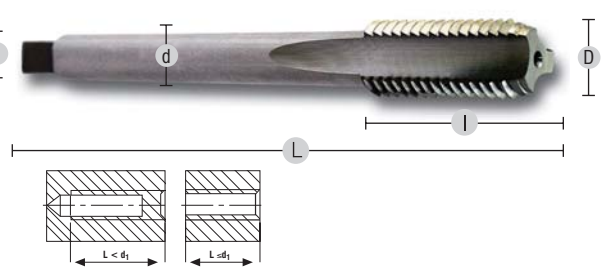
3252 IZAR



800-1100 N/mm ²	Fundición Cast/Iron	Al	Plastic	HSSE 5% Co	DIN 376
C 2-3h	35°	∞ 10°±2			

Ref.	Cód	D mm	Hilos	L mm	l mm	d mm	⌀ _a	Z
0118700	70411	W 7/16	14	100	16	8	6,20	3
0118701	70405	W 1/2	12	110	18	9	7,00	3
0118702	70413	W 9/16	12	110	20	11	9,00	3
0118703	70410	W 5/8	11	110	20	12	9,00	4
0118704	70407	W 3/4	10	125	25	14	11,00	4
0118705	70414	W 1"	8	160	30	18	14,50	4

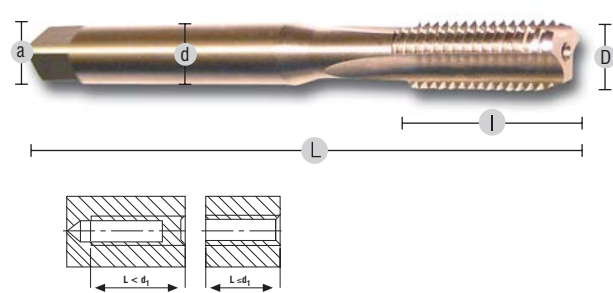
3212 IZAR



400-800 N/mm ²	800-1100 N/mm ²	Fundición Cast/Iron	Cu	Al	Plastic
HSSE 5% Co	DIN 376	C 2-3h		∞ 10°±2	

Ref.	Cód	D mm	Hilos	L mm	l mm	d mm	⌀ _a	Z
0118900	70398	W 3/8	16	100	22	7	5,5	3
0118901	70402	W 7/16	14	100	22	8	6,2	3
0118902	70395	W 1/2	12	110	24	9	7,0	3
0118903	70401	W 9/16	12	110	26	11	9,0	3
0118904	70416	W 5/8	11	110	27	12	9,0	3
0118905	70396	W 3/4	10	125	30	14	11,0	4
0118906	70399	W 7/8	9	140	32	18	14,5	4
0118907	70404	W 1"	8	160	36	18	14,5	4
0118908	70455	W 1"1/8	7	180	40	22	18,0	4
0118909	70452	W 1"1/4	7	180	40	22	18,0	4
0118910	70450	W 1"3/8	6	200	50	28	22,0	4
0118911	70453	W 1"1/2	6	200	50	32	24,0	4
0118912	70456	W 1"5/8	5	220	58	36	29,0	4
0118913	70458	W 1"7/8	4,5	220	58	36	29,0	4

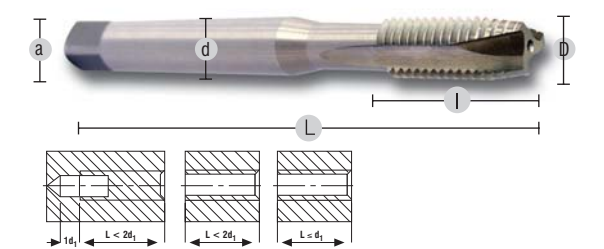
3112 IZAR



400-800 N/mm ²	800-1100 N/mm ²	Fundición Cast/Iron	Cu	Al	Plastic
HSSE 5% Co	DIN 371	C 2-3h		∞ 10°±2	

Ref.	Cód	D mm	Hilos	L mm	l mm	d mm	⌀ _a	Z
0118800	75412	W 3/32	48	50	9	2,8	2,1	3
0118801	75413	W 1/8	40	56	11	3,5	2,7	3
0118802	75456	W 5/32	32	63	13	4,5	3,4	3
0118803	75414	W 3/16	24	70	15	6,0	4,9	3
0118804	75415	W 7/32	24	80	16	6,0	4,9	3
0118805	75458	W 1/4	20	80	17	7,0	5,5	3
0118806	75129	W 5/16	18	90	20	8,0	6,2	3
0118807	75418	W 3/8	16	100	22	9,0	7,0	3

3102 IZAR



400-800 N/mm ²	800-1100 N/mm ²	Fundición Cast/Iron	Cu	Al	HSSE 5% Co
DIN 371	B 3,5-5h	GUN	∞ 10-12°		

Ref.	Cód	D mm	Hilos	L mm	l mm	d mm	⌀ _a	Z
0119000	62897	W 1/8	40	56	11	3,5	2,7	3
0119001	62915	W 5/32	32	63	13	4,5	3,4	3
0119002	62903	W 3/16	24	70	15	6,0	4,9	3
0119003	62894	W 1/4	20	80	17	7,0	5,5	3
0119004	62912	W 5/16	18	90	20	8,0	6,2	3
0119005	73766	W 3/8	16	100	22	9,0	7,0	3



whitworth

máquina

machos

UNC

mano

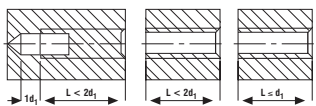
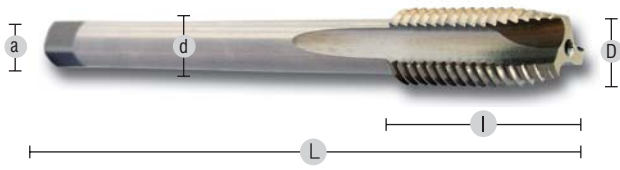
machos

UNC

máquina

machos

3202 IZAR



400-800 N/mm ²	800-1100 N/mm ²	Fundición Cast/Iron	Cu	Al	HSSE 5% Co
DIN 376	B 3,5-5h	GUN	∞ 10-12°		

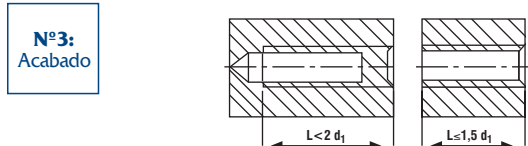
Ref.	Cód	D mm	Hilos	L mm	l mm	d mm	Øa	Øz
0119100	70446	W 7/16	14	100	22	8	6,2	3
0119101	70417	W 1/2	12	110	24	9	7,0	3
0119102	70447	W 9/16	12	110	26	11	9,0	3
0119103	70443	W 5/8	11	110	27	12	9,0	3
0119104	70419	W 3/4	10	125	30	14	11,0	4
0119105	70444	W 7/8	9	140	32	18	14,5	4
0119106	70449	W 1"	8	160	36	18	14,5	4

JUEGO DE MACHOS DE MANO UNC

3034 IZAR



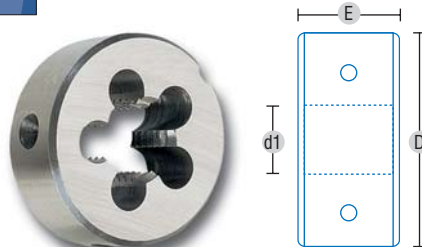
400-800 N/mm ²	800-1100 N/mm ²	Fundición Cast/Iron	Al	HSS	DIN 352
C 2-3h	Tol. 2B	∞ 10°±2	Nº1: Desbaste	Nº2: Semiab.	Nº3: Acabado



Ref.	Cód	D mm	Hilos	D mm	L1 mm	L2 mm	d mm	K mm	Øz
0119200	75860	Nº 1	64	1,85	32	8	2,50	2,10	3
0119201	75861	Nº 2	56	2,18	36	9	2,80	2,10	3
0119202	75862	Nº 3	48	2,52	40	9	2,80	2,10	3
0119203	75863	Nº 4	40	2,85	40	12	3,50	2,70	3
0119204	75594	Nº 5	40	3,18	40	12	3,50	2,70	3
0119205	75596	Nº 6	32	3,51	45	14	4,50	3,40	3
0119206	75597	Nº 8	32	4,17	45	14	4,50	3,40	3
0119207	75598	Nº 10	24	4,83	50	15	5,50	4,30	3
0119208	75599	Nº 12	24	5,49	50	15	6,00	4,90	3
0119209	62732	1/4"	20	6,35	59	20	6,00	4,90	3
0119210	62744	5/16"	18	7,94	63	25	6,00	4,90	3
0119211	62738	3/8"	16	9,53	70	28	7,00	5,50	3
0119212	62750	7/16"	14	11,11	75	30	8,00	6,20	4
0119213	75115	1/2"	13	12,70	80	32	9,00	7,00	4
0119214	62753	9/16"	12	14,29	80	32	11,00	9,00	4
0119215	62741	5/8"	11	15,88	90	36	12,00	9,00	4
0119216	62735	3/4"	10	19,05	105	40	14,00	11,00	4
0119217	62747	7/8"	9	22,23	110	45	18,00	14,50	4
0119218	62756	1"	8	25,40	110	50	20,00	16,00	4
0119219	75864	1 1/8"	7	28,58	132	56	22,00	18,00	4
0119220	75865	1 1/4"	7	31,75	132	56	25,00	20,00	4
0119221	75866	1 3/8"	6	34,93	150	63	28,00	22,00	4
0119222	75867	1 1/2"	6	39,10	150	63	32,00	24,00	5
0119223	75868	1 3/4"	5	44,45	160	58	36,00	29,00	4
0119224	75869	2"	4,5	50,80	180	65	40,00	32,00	4

COJINETE DE MÁQUINA. UNC

3534 IZAR



400-800 N/mm ²	HSS	DIN 223	UNC	Tol. 2A	∞ 10-17°
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Chaflán Entrada 1,75 h

Ref.	Cód	d1 mm	Hilos	D mm	E mm
0119300	75557	1/4"	20	20	7
0119301	75561	5/16"	18	25	9
0119302	75559	3/8"	16	30	11
0119303	75563	7/16"	14	30	11
0119304	75556	1/2"	13	38	14
0119305	75564	9/16"	12	38	14
0119306	75560	5/8"	11	45	18
0119307	75558	3/4"	10	45	18
0119308	75562	7/8"	9	55	22
0119309	75565	1"	8	55	22