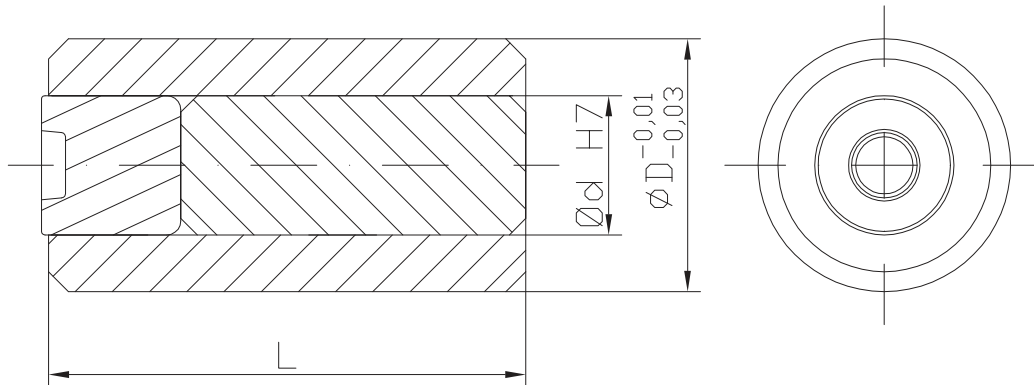




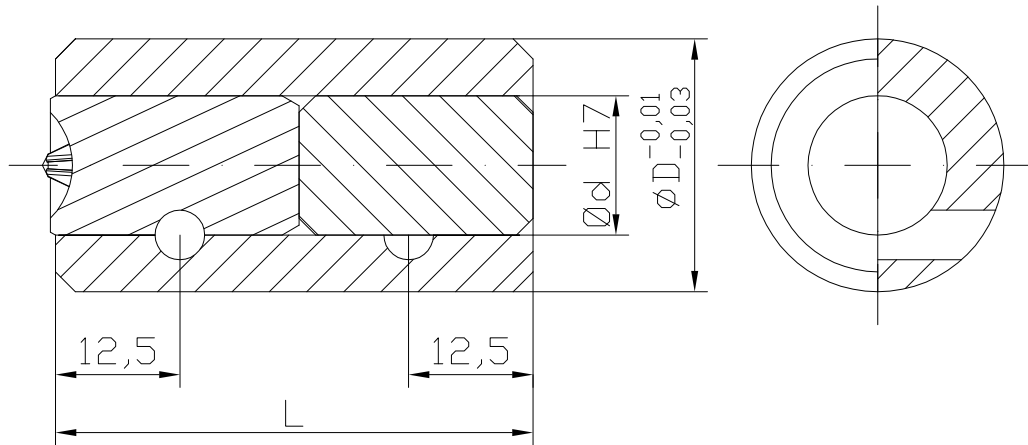
CAMISA PORTA ESTAMPAS



D	d	L
22	11	38
25	11 - 14 17 - 20	48
25,4	11 - 14 17 - 20	48
30	11 - 14 17 - 20	48
35	11 - 14 17 - 20	63



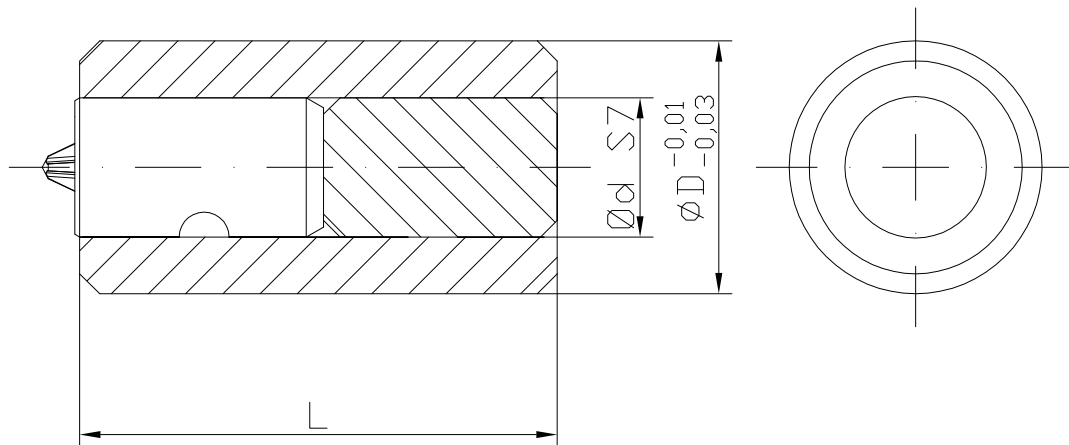
CAMISA PORTA PUNZONES



D	d	L
22	11	38
25	11 - 14 17 - 20	48
25,4	11 - 14 17 - 20	48
30	11 - 14 17 - 20	48
35	11 - 14 17 - 20	63



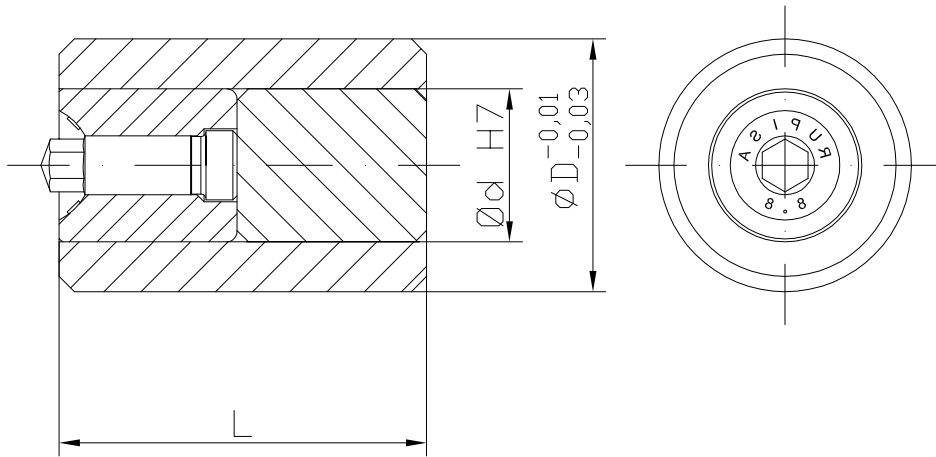
CAMISA PORTA PUNZONES (S7)



D	d	L
22	11	38
25	11 - 14 17 - 20	48
25,4	11 - 14 17 - 20	48
30	11 - 14 17 - 20	48
35	11 - 14 17 - 20	63



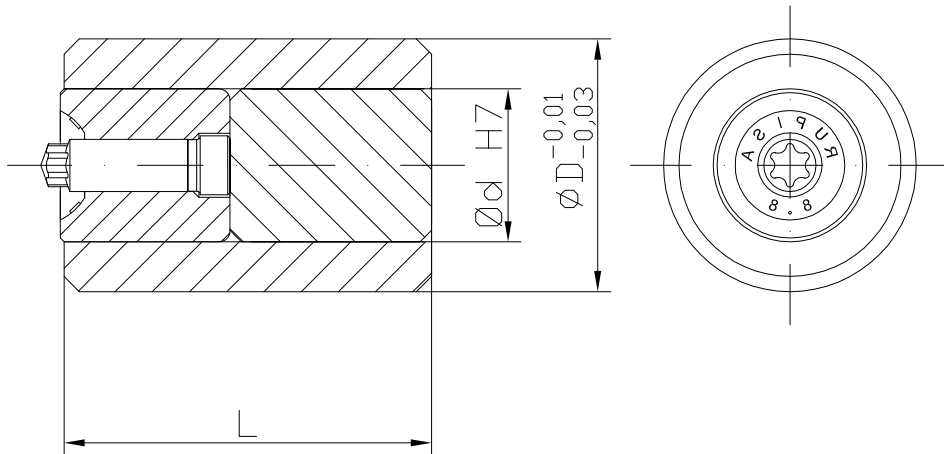
CONJUNTO ALLEN



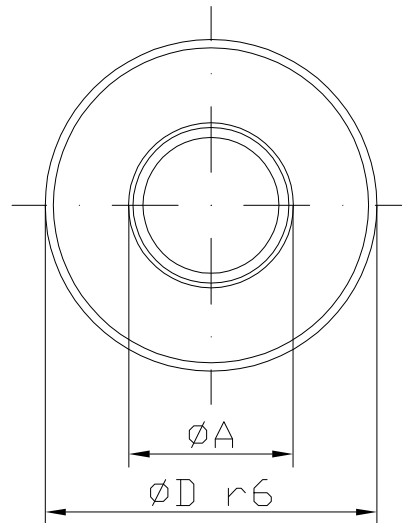
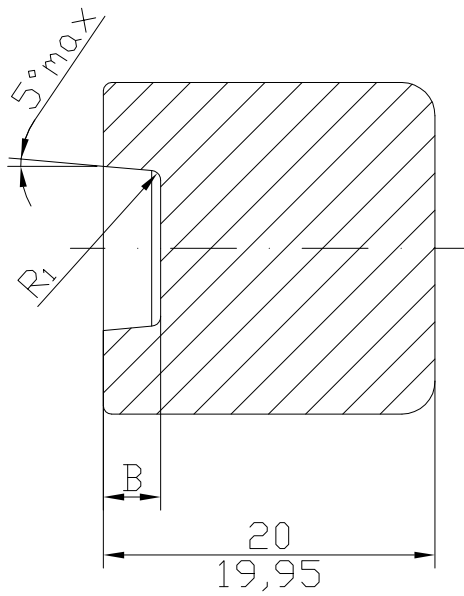
D	d	L
25	11 - 14 17 - 20	48
25,4	11 - 14 17 - 20	48
30	11 - 14 17 - 20	48
35	11 - 14 17 - 20	63



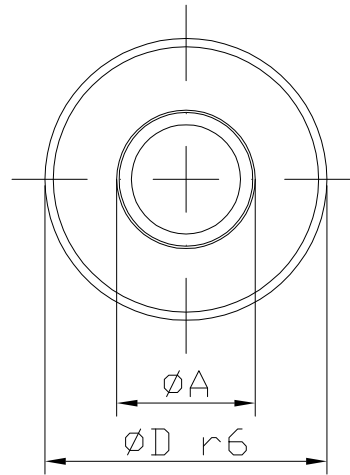
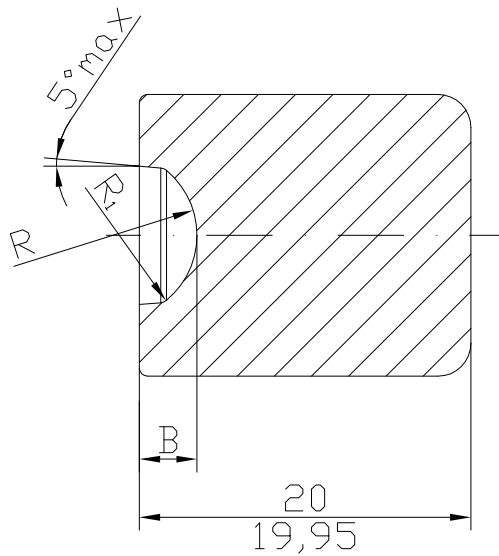
CONJUNTO TX



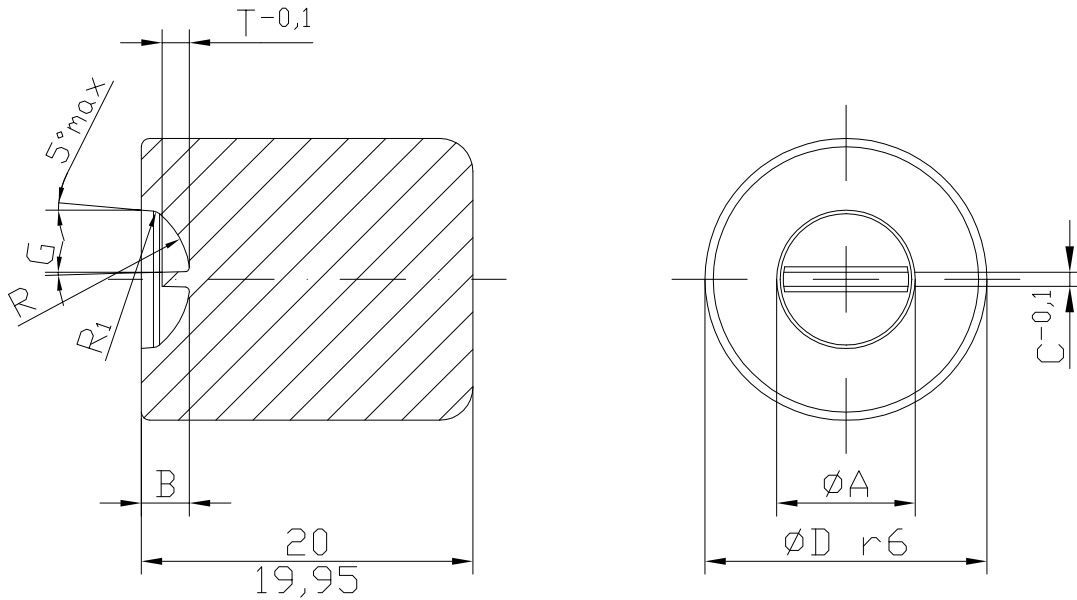
D	d	L
25	11 - 14 17 - 20	48
25,4	11 - 14 17 - 20	48
30	11 - 14 17 - 20	48
35	11 - 14 17 - 20	63



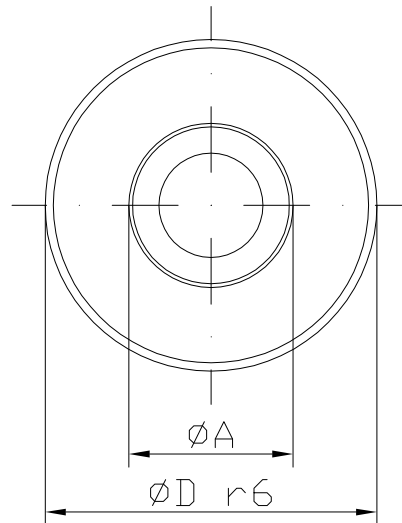
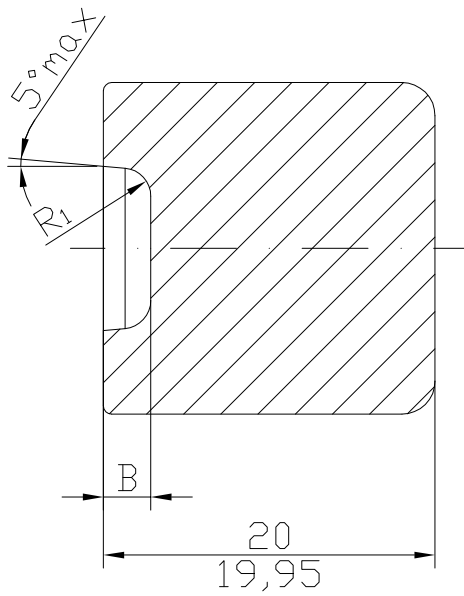
DIN 84	M2	M3	M4	M5	M6
D	11	14	17	20	25
A	3,70	5,37	6,95	8,35	9,90
B	1,10	1,85	2,30	2,90	3,45
R ₁	0,40	0,40	0,40	0,40	0,50



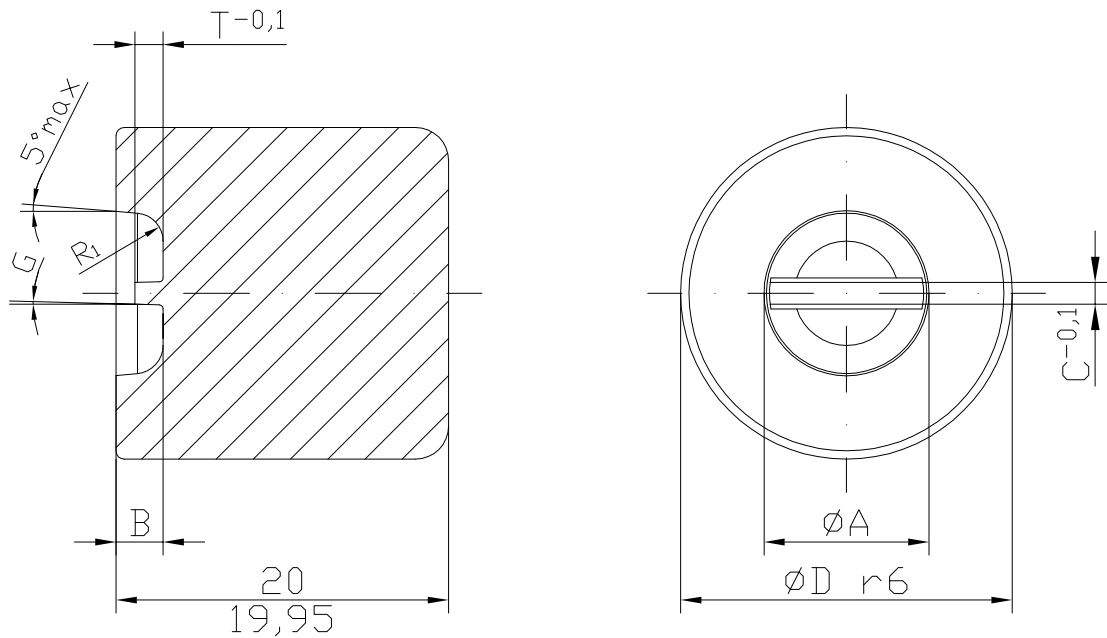
DIN 84M	M1,6	M2	M3	M3,5	M4	M5	M6
D	11	11	14	14	14	17	20
A	2,90	3,70	5,40	5,90	6,95	8,35	9,90
B	0,80	1,20	2,00	2,30	2,60	3,20	3,80
R	4,40	5,55	7,15	7,90	8,70	10,30	12,30
R ₁	0,40	0,50	0,60	0,75	1,00	1,30	1,50



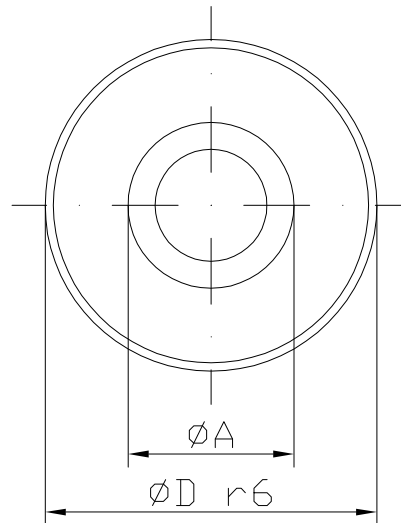
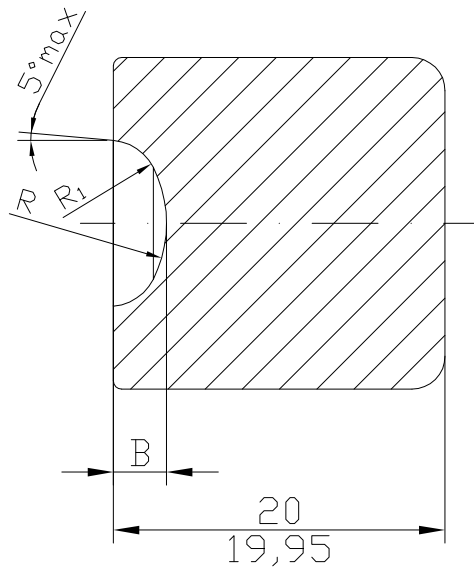
DIN 84MR	M1,6	M2	M3	M3,5	M4	M5	M6
D	11	11	14	14	14	17	20
A	2,90	3,70	5,40	5,90	6,95	8,35	9,90
B	0,80	1,20	2,00	2,30	2,60	3,20	3,80
R	4,40	5,55	7,15	7,90	8,70	10,30	12,30
R ₁	0,40	0,50	0,60	0,75	1,00	1,30	1,50
T	0,55	0,70	1,00	1,25	1,35	1,65	2,00
C	0,50	0,60	0,90	1,00	1,15	1,35	1,75
G	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'



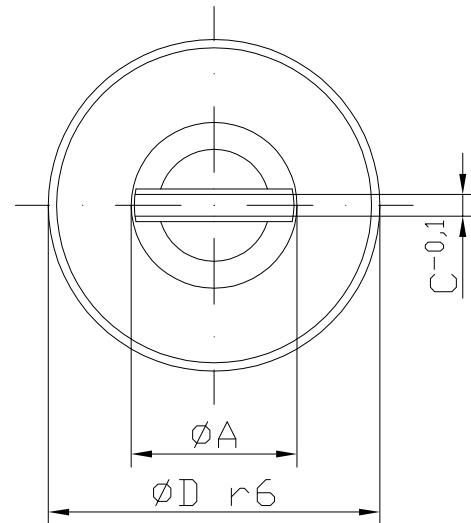
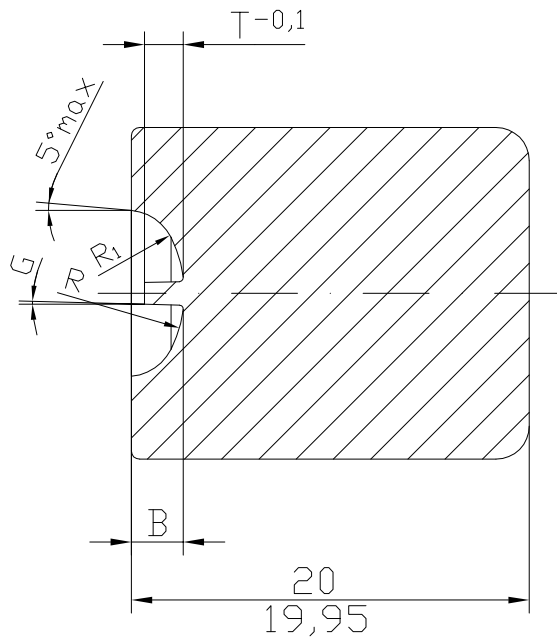
DIN 85	M3	M3,5	M4	M5	M6
D	14	14	17	20	20
A	5,90	6,90	7,90	9,90	11,90
B	1,60	1,85	2,15	2,85	3,25
R ₁	1,00	1,20	1,30	1,70	2,10



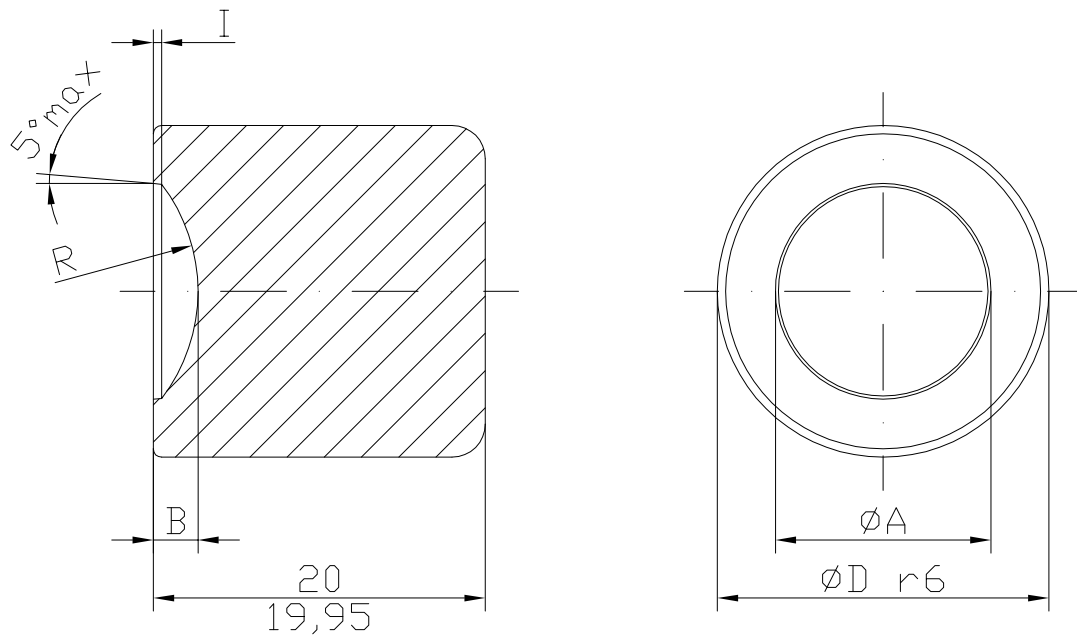
DIN 85R	M3	M3,5	M4	M5	M6
D	14	14	17	20	20
A	5,90	6,90	7,90	9,90	11,90
B	1,60	1,85	2,15	2,85	3,25
R ₁	1,00	1,20	1,30	1,70	2,10
T	0,85	1,00	1,20	1,35	1,70
C	0,90	0,90	1,10	1,30	1,75
G	1°30'	1°30'	1°30'	1°30'	1°30'



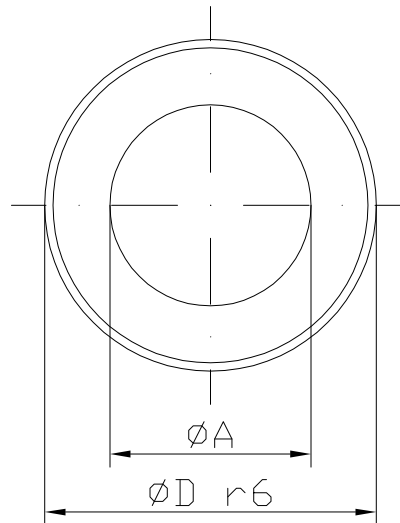
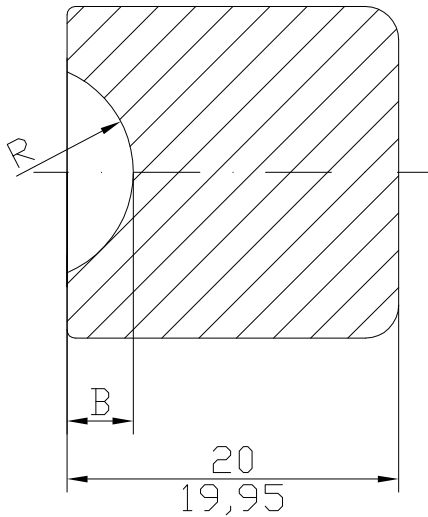
DIN 96	M2,7	M3	M3,5	M4	M4,5	M5	M6
D	14	14	14	17	17	20	20
A	5,40	6,00	7,00	8,00	9,00	10,00	11,90
B	1,70	1,70	2,10	2,50	2,75	3,20	3,80
R	4,00	4,50	5,20	6,00	6,75	7,50	9,00
R ₁	2,00	2,30	2,60	3,00	3,40	3,80	4,50



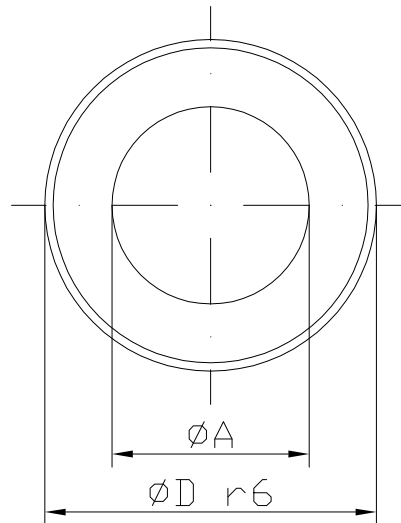
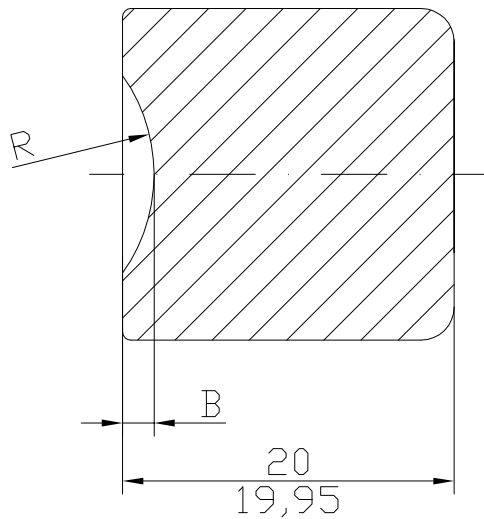
DIN 96R	M2,7	M3	M3,5	M4	M4,5	M5	M6
D	14	14	14	17	17	20	20
A	5,40	6,00	7,00	8,00	9,00	10,00	11,90
B	1,70	1,70	2,10	2,50	2,75	3,20	3,80
R	4,00	4,50	5,20	6,00	6,75	7,50	9,00
R ₁	2,00	2,30	2,60	3,00	3,40	3,80	4,50
T	1,30	1,40	1,60	1,85	2,10	2,40	2,80
C	0,70	0,90	0,90	1,10	1,10	1,30	1,70
G	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'



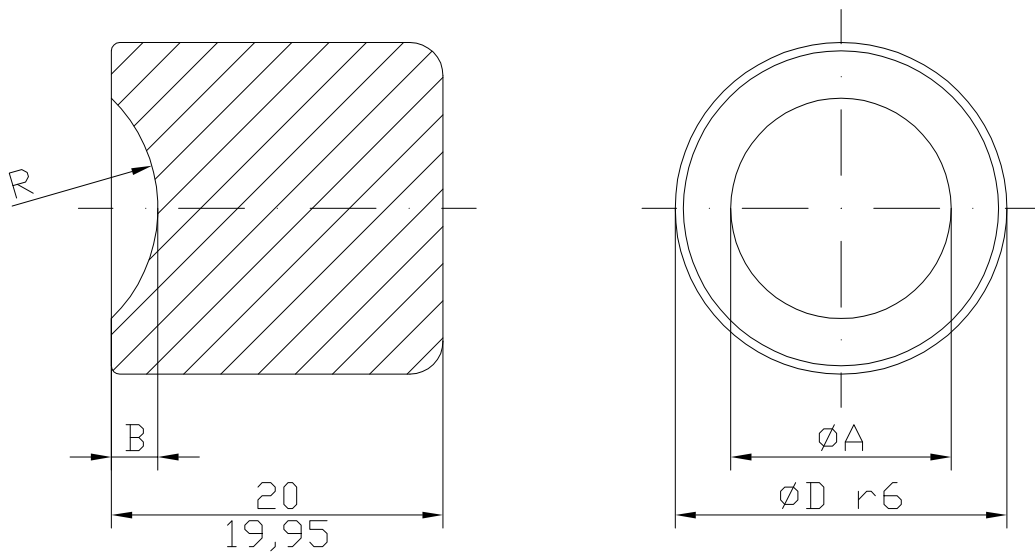
DIN 603	M5	M6	M8	M10
D	20	25	30	35
A	13	16	20	24
B	2,50	3,20	3,90	4,70
R	10,70	12,60	16,00	19,20
I	0,30	0,35	0,40	0,50



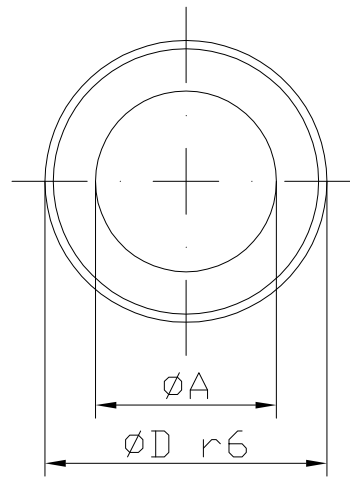
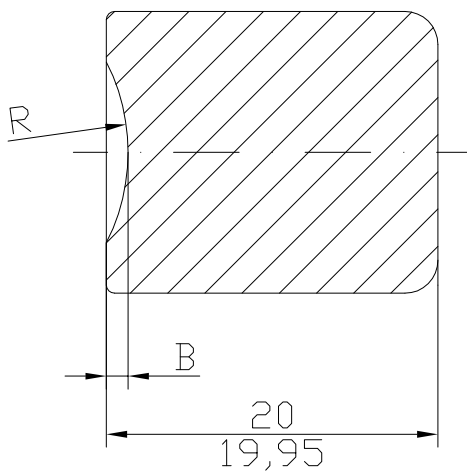
DIN 660	1,6	2	2,5	3	3,5	4	5	6	7	8
D	11	11	11	11	14	14	17	17	20	25
A	2,70	3,40	4,30	5,10	6,10	6,90	8,70	10,40	12,10	13,80
B	0,90	1,10	1,40	1,70	2,00	2,30	2,90	3,50	4,00	4,60
R	1,50	1,90	2,40	2,80	3,40	3,80	4,70	5,60	6,60	7,50



DIN 662	1,6	2	2,5	3	3,5	4	5	6
D	11	11	11	11	14	14	17	20
A	3,10	3,90	4,90	5,90	6,90	7,90	9,90	11,90
B	0,50	0,65	0,70	0,90	1,10	1,35	1,60	1,90
R	2,65	3,46	4,63	5,28	5,96	6,65	8,45	10,26



DIN 674	2	2,5	3	3,5	4	5	6
D	11	11	14	14	17	17	20
A	4,40	5,50	6,70	7,70	8,90	11,10	13,30
B	0,95	1,20	1,40	1,70	1,90	2,50	2,80
R	3,13	3,75	4,70	5,20	6,16	7,41	9,29

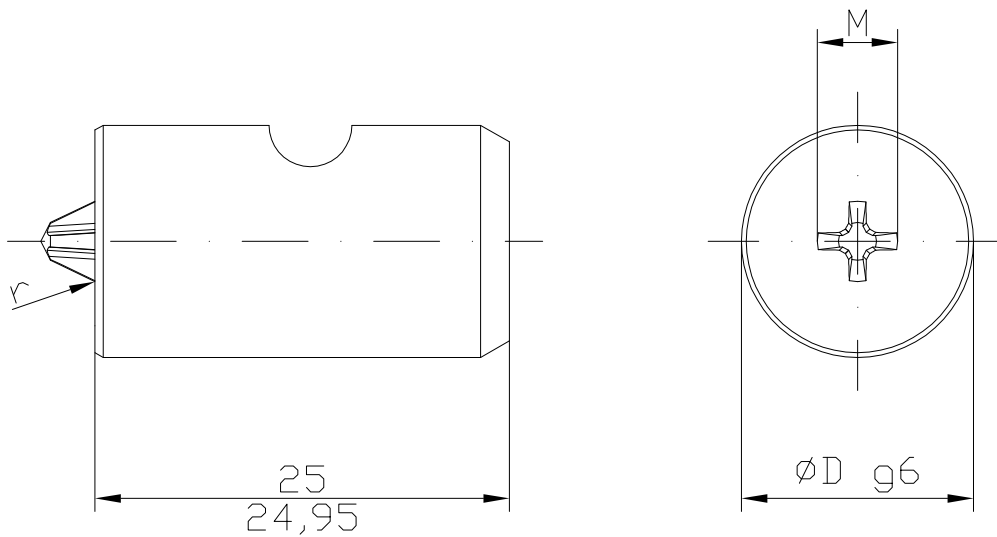


DIN 964	M1,6	M2	M3	M3,5	M4	M5	M6
D	11	11	11	14	14	14	17
A	2,90	3,70	5,50	6,40	7,40	9,10	10,90
B	0,37	0,45	0,66	0,77	0,90	1,10	1,31
R	3	4	6	7	8	10	12

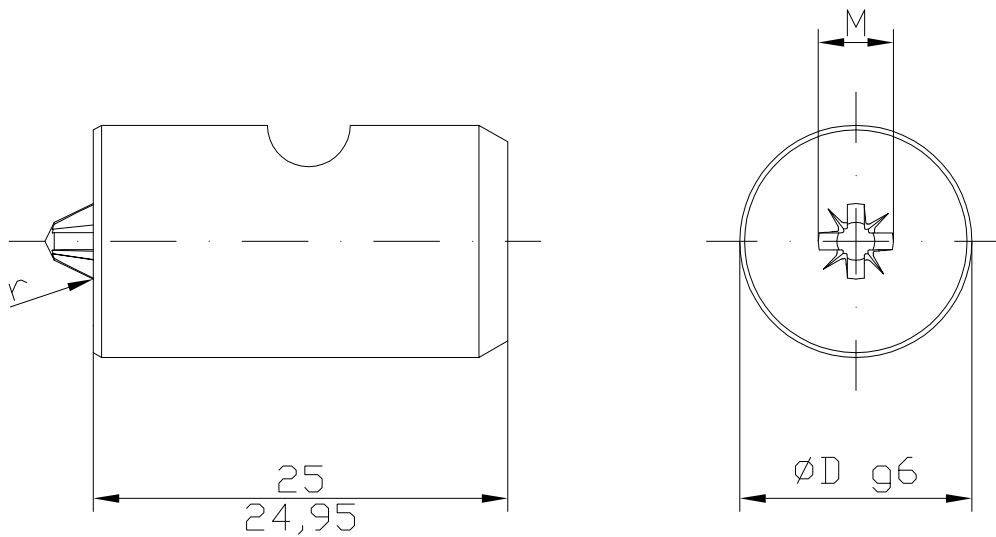


PUNZÓN PHILLIPS

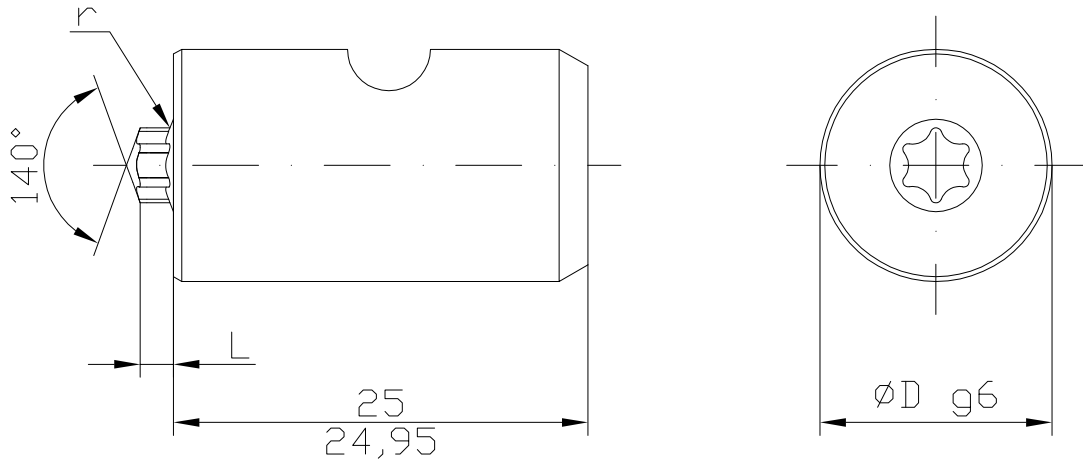
DIN
965Ph



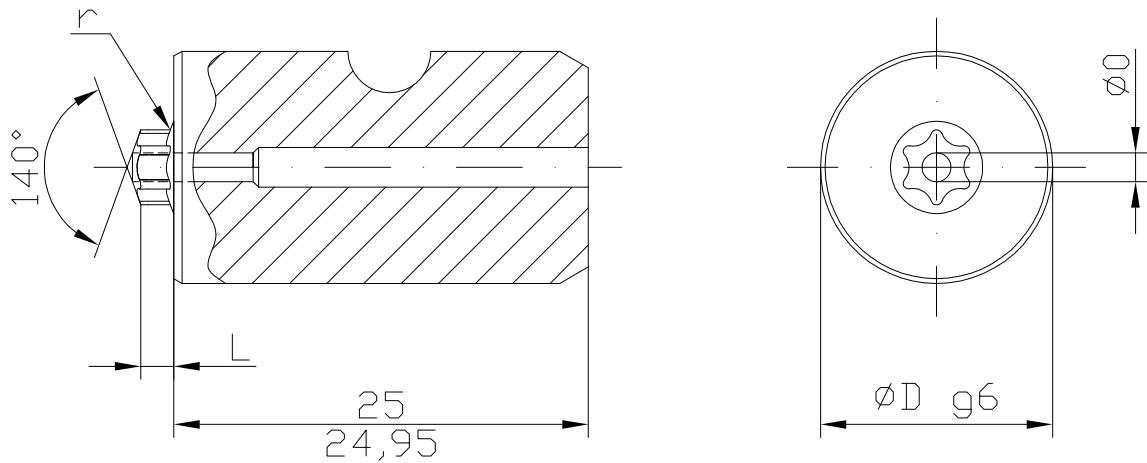
DIN 965Ph	M2	M2,5	M3	M3,5	M4	M5	M6	M8	M10
CRUZ N.º	1			2			3	4	
D	11	11	11	11	14	14	17	20	25
M	2,35	2,70	2,90	3,90	4,40	4,60	6,60	8,70	9,60
Profundidad Max de Penetración	1,25	1,55	1,80	1,90	2,40	2,60	3,30	4,40	5,30
Min	1,15	1,45	1,70	1,80	2,30	2,50	3,20	4,30	5,20



DIN 965Pz	M2	M2,5	M3	M3,5	M4	M5	M6	M8	M10
	1Z-800	1Z-20	1Z-540	2Z-10	2Z-48	2Z-60	3Z-850	4Z-1060	4Z-10
CRUZ N.º	1			2			3	4	
D	11	11	11	11	14	14	17	20	25
M	2,20	2,50	2,80	3,70	4,00	4,40	6,10	8,50	9,40
Profundidad Max de Penetración	1,17	1,47	1,73	1,80	2,06	2,51	2,92	4,32	5,23
Min	1,07	1,37	1,63	1,70	1,96	2,41	2,82	4,22	5,13



DIN 965Tx	M2,5	M3	M3,5	M4	M5	M6	M8
TX	8	10	15	20	25	30	40
D	11	11	11	14	14	17	20
L	Max	0,90	1,10	1,20	1,30	1,55	2,25
	Min	0,85	1,05	1,15	1,25	1,50	2,20

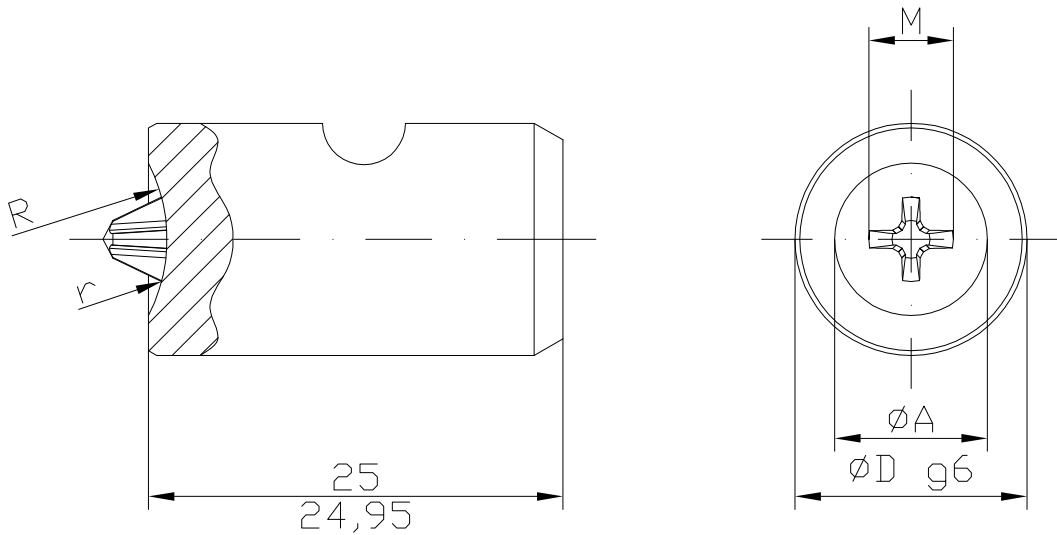


DIN 965Tx-T	M2,5	M3	M3,5	M4	M5	M6	M8	
TX	8	10	15	20	25	30	40	
D	11	11	11	14	14	17	20	
0	0,50	0,75	1,00	1,35	1,75	2,25	2,60	
L	Max	0,90	1,10	1,20	1,30	1,55	1,80	2,25
	Min	0,85	1,05	1,15	1,25	1,50	1,75	2,20

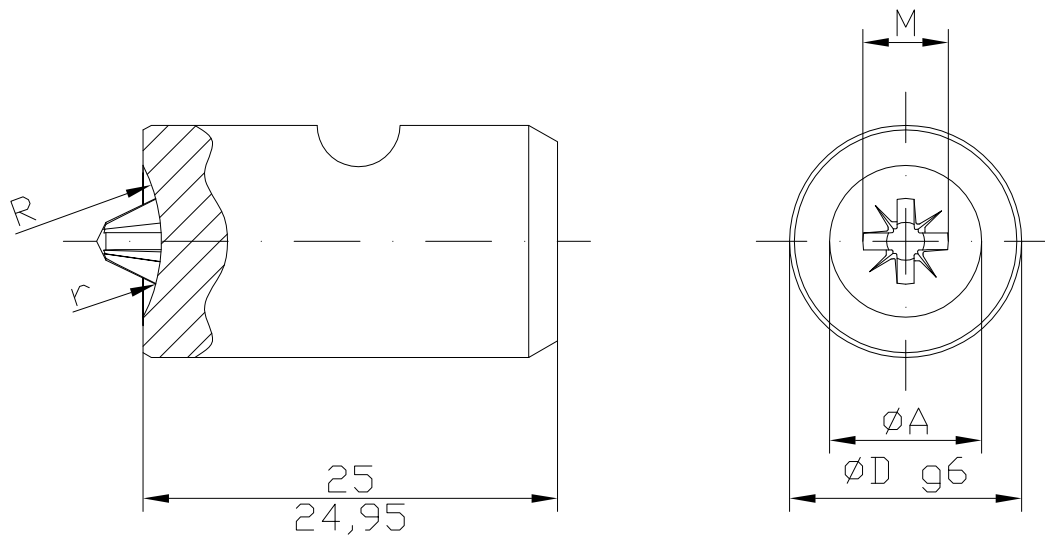


PUNZÓN PHILLIPS

DIN
966Ph



DIN 966Ph	M2	M2,5	M3	M3,5	M4	M5	M6	M8	M10
CRUZ N.º	1			2			3	4	
D	11	11	11	11	14	14	20	20	25
A	3,80	4,70	5,60	6,50	7,50	9,20	11,00	14,50	18,00
M	2,50	2,70	3,10	4,20	4,50	5,30	6,80	9,00	10,00
R	4	5	6	7	8	10	12	16	20
Profundidad Max de Penetración	1,40	1,60	2,00	2,24	2,54	3,27	3,53	4,68	5,88
Min	1,32	1,52	1,92	2,14	2,44	3,17	3,43	4,58	5,78

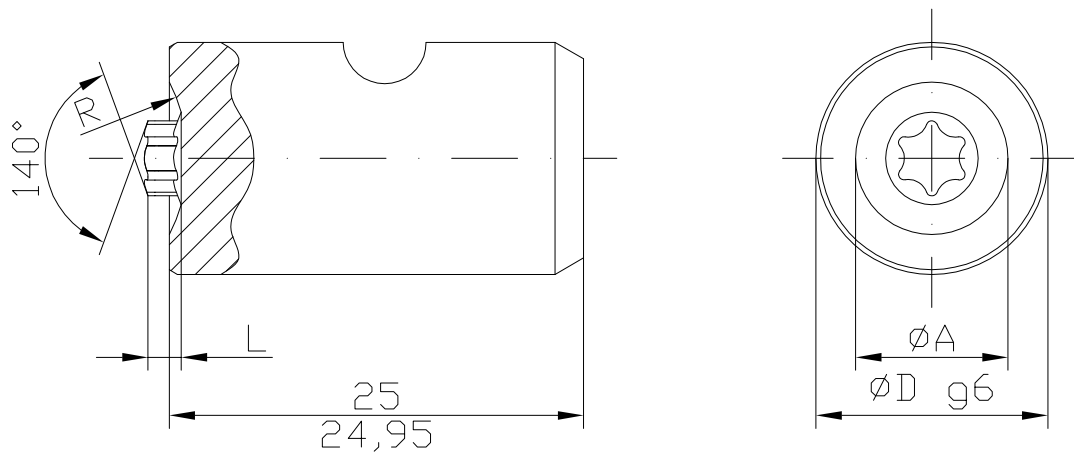


DIN 966Pz	M2	M2,5	M3	M3,5	M4	M5	M6	M8	M10
CRUZ N.º	1			2			3	4	
D	11	11	11	11	14	14	20	20	25
A	3,80	4,70	5,60	6,50	7,50	9,20	11,00	14,50	18,00
M	2,40	2,80	3,10	4,30	4,60	5,30	7,00	8,80	9,90
R	4	5	6	7	8	10	12	16	20
Profundidad Max de Penetración	1,35	1,75	2,08	2,39	2,72	3,35	3,76	4,52	5,74
Min	1,28	1,67	2,00	2,29	2,62	3,25	3,66	4,42	5,64

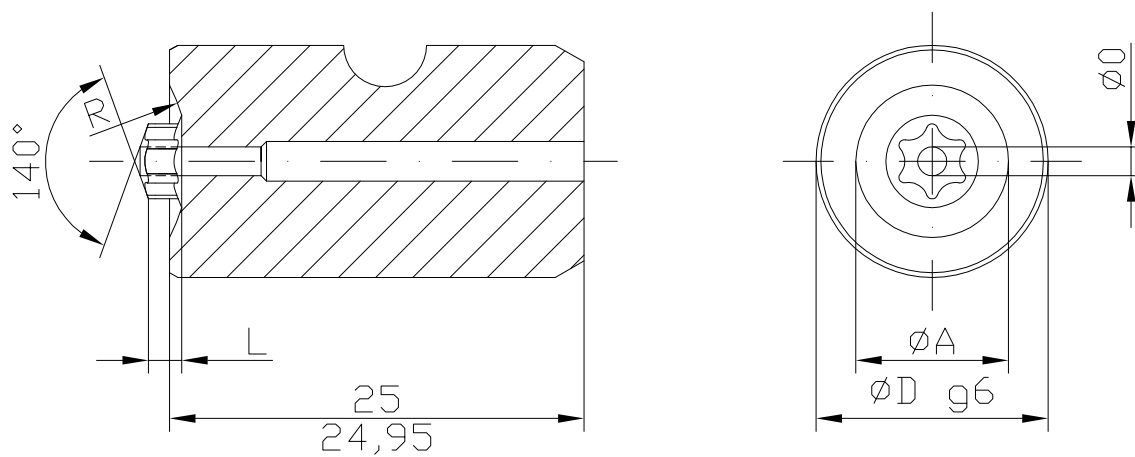


PUNZÓN TX

DIN
966Tx



DIN 966Tx	M2,5	M3	M3,5	M4	M5	M6	
TX	8	10	15	20	25	30	
D	11	11	11	14	14	20	
A	4,70	5,60	6,50	7,50	9,20	11,00	
R	5	6	7	8	10	12	
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45

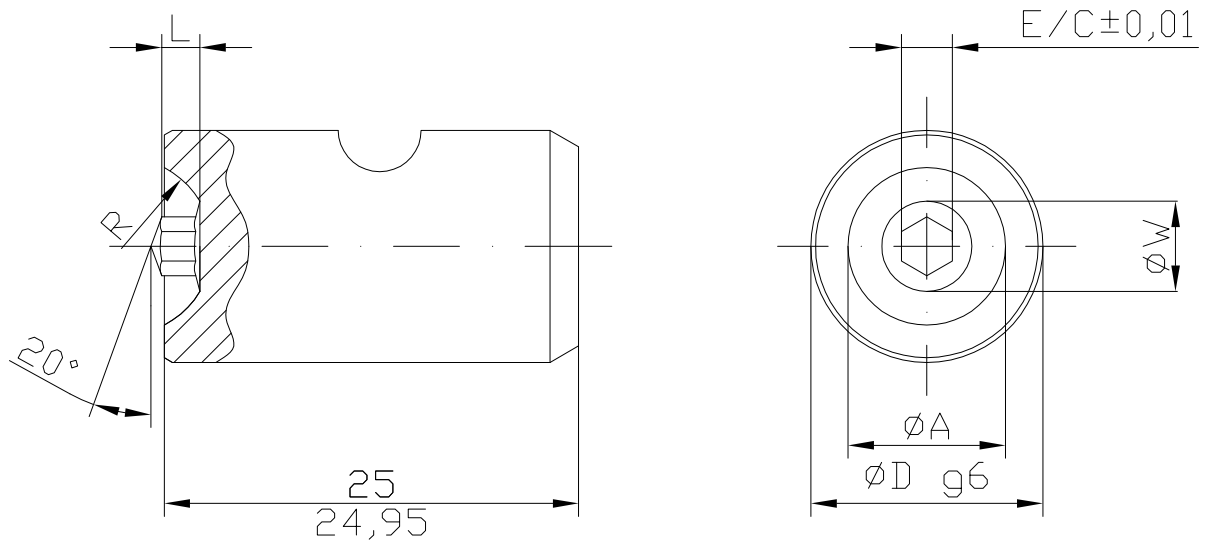


DIN 966Tx-T	M2,5	M3	M3,5	M4	M5	M6	
TX	8	10	15	20	25	30	
D	11	11	11	14	14	20	
A	4,70	5,60	6,50	7,50	9,20	11,00	
R	5	6	7	8	10	12	
0	0,50	0,75	1,00	1,35	1,75	2,25	
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45



PUNZÓN ALLEN

DIN
7380

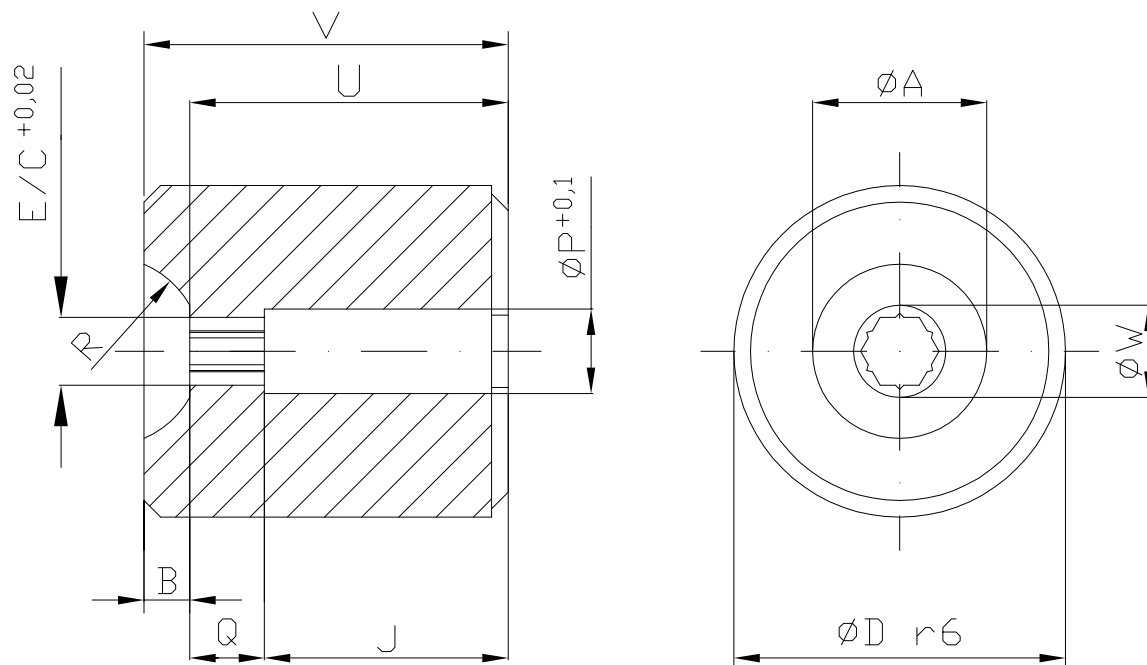


DIN 7380	M3	M4	M5	M6	M8
D	11	14	14	17	25
E/C	2,05	2,57	3,09	4,10	5,10
A	5,70	7,60	9,50	10,50	14,00
R	3,25	4,25	5,35	5,75	7,60
W	2,80	3,60	4,20	5,20	6,60
L	1,20	1,80	2,20	2,50	3,50

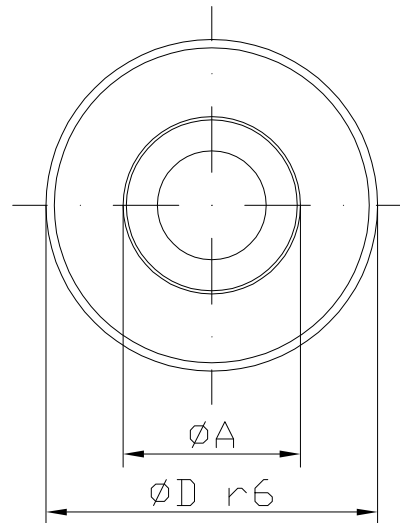
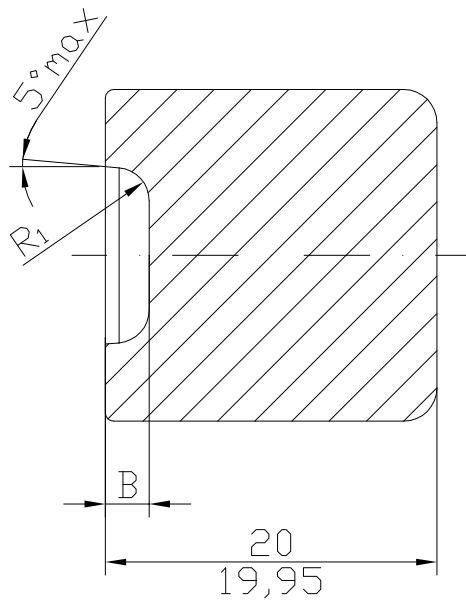


ENVOLVENTE HEXAGONAL CON RADIO

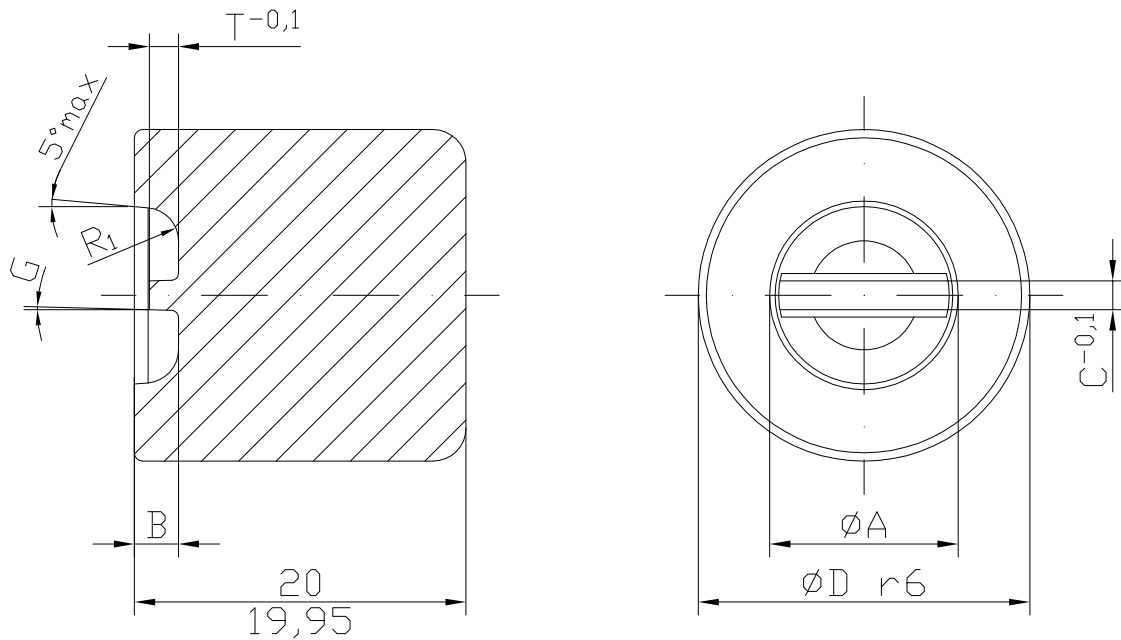
DIN
7380



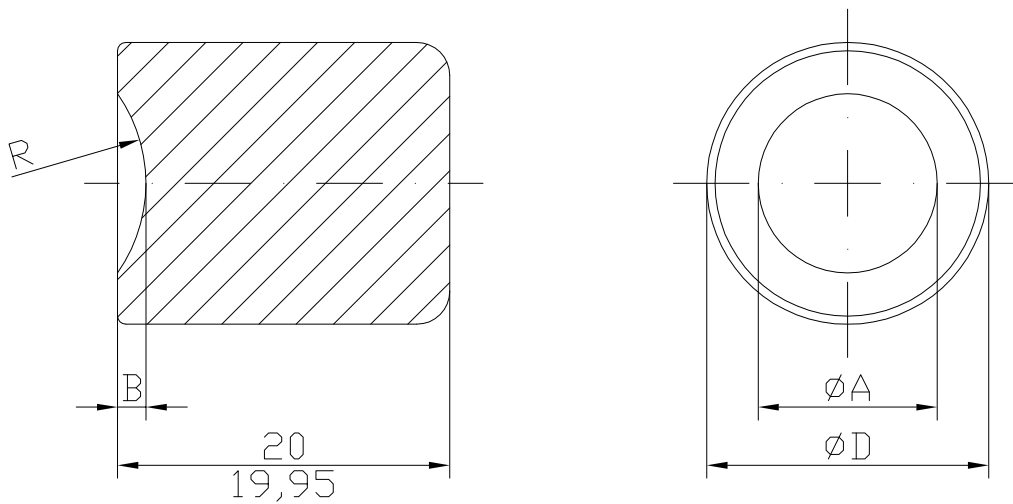
DIN 7380	M4	M5	M6	M8	M10	M12
E/C	2,57	3,09	4,105	5,11	6,11	8,12
D	14	17	20	20	25	30
P	3,60	4,10	5,10	6,10	7,80	10,00
W	3,70	4,60	5,55	6,90	8,95	10,50
A	7,50	9,40	10,40	13,80	17,30	20,80
U	20,20	20,40	20,20	20,60	24,00	23,20
V	22,00	22,70	22,97	24,25	28,55	27,85
J	15,70	15,90	15,70	15,60	19,00	18,20
Q	4,50	4,50	4,50	5,00	5,00	5,00
B	1,80	2,30	2,77	3,65	4,55	4,65
R	4,30	5,35	5,60	7,55	9,45	12,20



DIN 7971	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
D	11	14	14	17	17	20	20	25
A	4,05	5,50	6,80	7,40	8,10	9,40	10,70	12,35
B	1,10	1,45	1,75	1,85	2,00	2,30	2,65	3,10
R ₁	0,90	1,00	1,20	1,30	1,30	1,60	2,00	2,20



DIN 7971R	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
D	11	14	14	17	17	20	20	25
A	4,05	5,50	6,80	7,40	8,10	9,40	10,70	12,35
B	1,10	1,45	1,75	1,85	2,00	2,30	2,65	3,10
R ₁	0,90	1,00	1,20	1,30	1,30	1,60	2,00	2,20
T	0,70	0,90	1,10	1,25	1,35	1,55	1,75	2,00
C	0,65	0,90	1,10	1,12	1,32	1,32	1,75	1,75
G	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'	1°30'

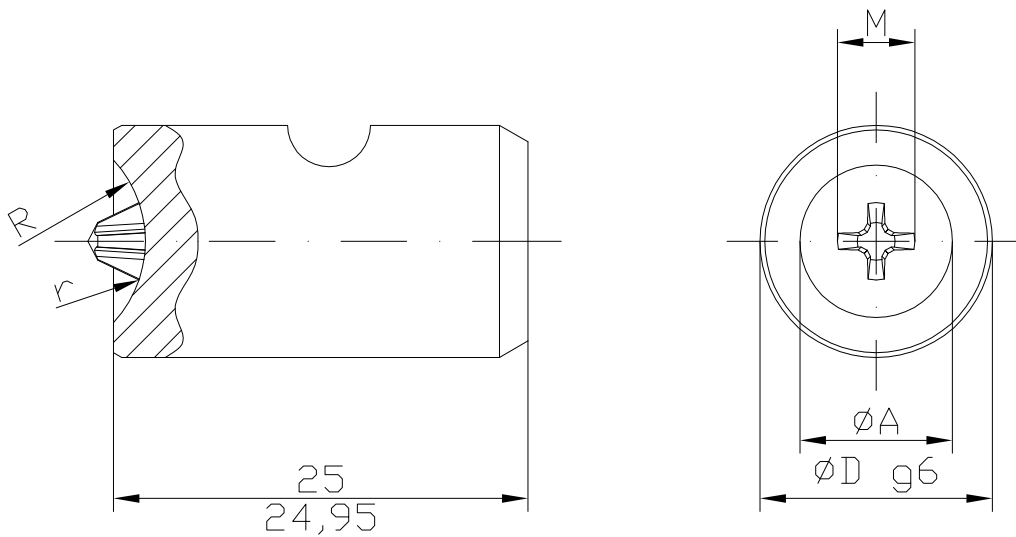


DIN 7973	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
D	11	11	14	14	14	17	17	17
A	4,30	5,50	6,80	7,50	8,10	9,50	10,80	12,40
B	0,65	0,95	1,20	1,30	1,40	1,50	1,70	1,90
R	3,80	4,60	5,40	6,00	6,60	8,20	9,40	11,10

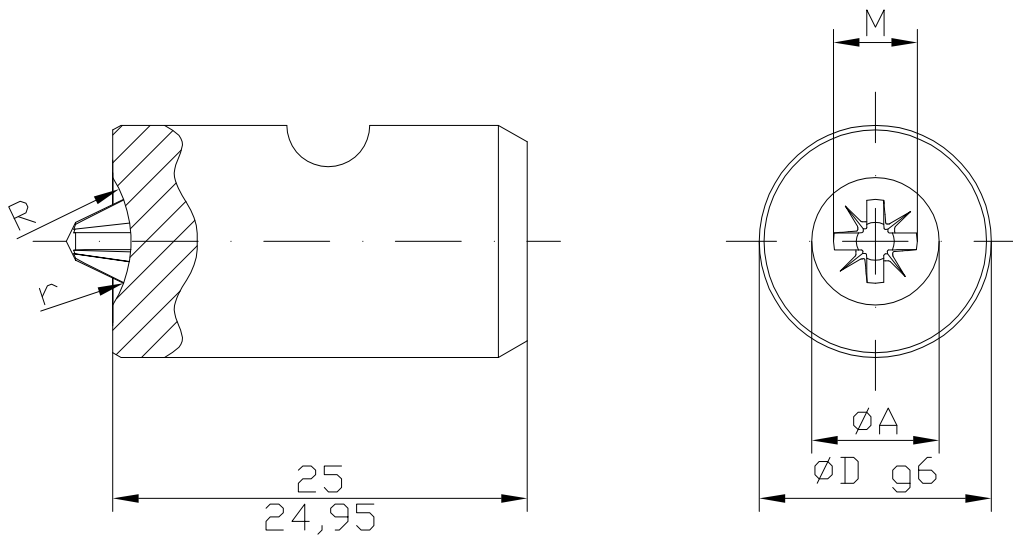


PUNZÓN PHILLIPS

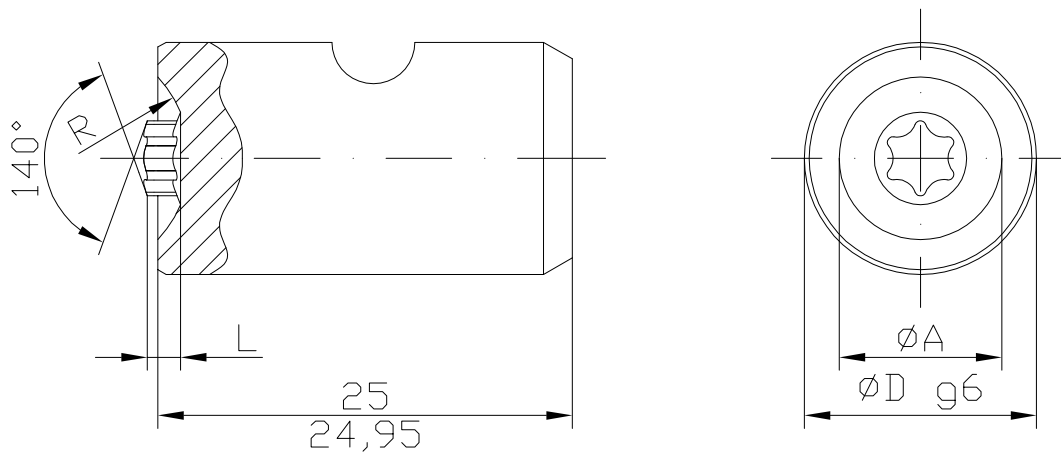
DIN
7981Ph



DIN 7981Ph	2,2	2,9	3,2	3,5	3,9	4,2	4,8	5,5	6,3
CRUZ N.º	1		2					3	
D	11	11	11	11	14	14	14	20	20
A	4,80	6,25	6,52	7,25	7,92	8,60	9,80	11,60	13,00
M	2,60	3,00	3,90	4,20	4,40	4,60	5,00	6,50	7,10
R	3,40	4,40	5,00	5,40	5,80	6,20	7,20	8,20	9,50
Profundidad Max de Penetración	1,32	1,80	1,73	2,03	2,26	2,46	2,87	3,15	3,66
Min	1,24	1,72	1,63	1,93	2,16	2,36	2,77	3,05	3,56



DIN 7981Pz	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
CRUZ N.º	1		2				3	
D	11	11	11	14	14	14	20	20
A	4,80	6,25	7,25	7,92	8,60	9,80	11,60	13,00
M	2,40	2,90	3,90	4,10	4,40	4,70	6,20	6,70
R	3,40	4,40	5,40	5,80	6,20	7,20	8,20	9,50
Profundidad Max de Penetración	1,35	1,83	1,93	2,16	2,34	2,74	2,97	3,48
Min	1,27	1,75	1,83	2,06	2,24	2,64	2,87	3,38

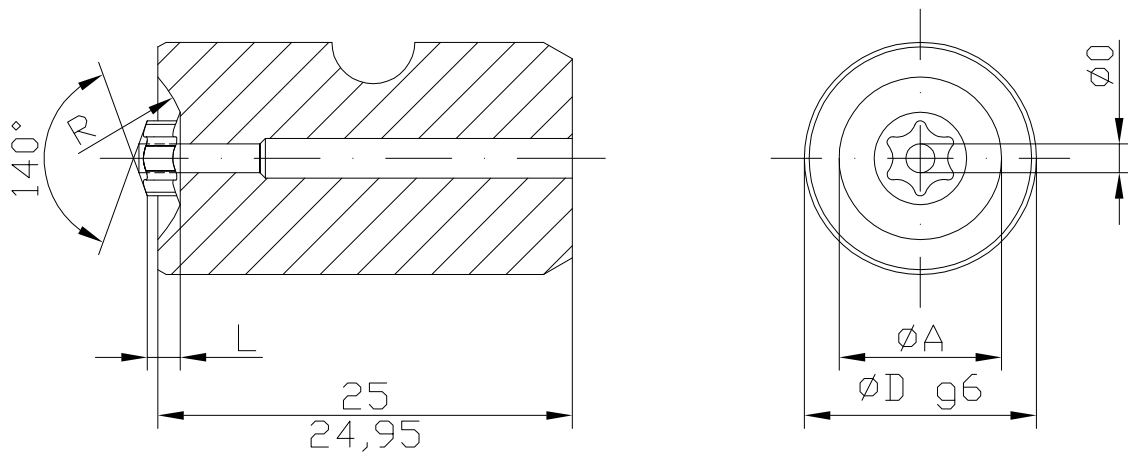


DIN 7981Tx	2,9	3,5	3,9	4,2	4,8	5,5	6,3
TX	8	10	15	20	25	25	30
D	11	11	14	14	14	20	20
A	6,25	7,25	7,92	8,60	9,80	11,60	13,00
R	4,40	5,40	5,80	6,20	7,20	8,20	9,50
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45



PUNZÓN TX

DIN
7981Tx-T

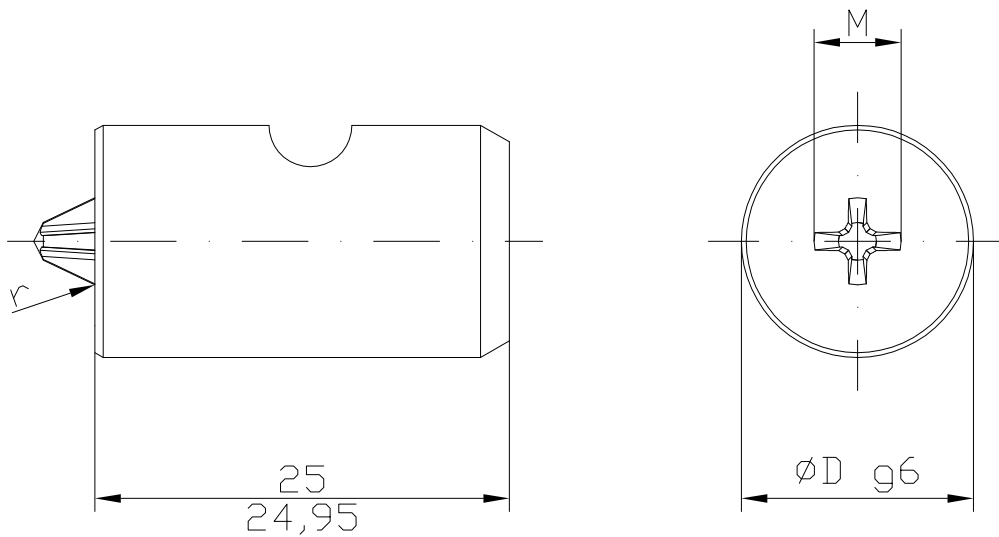


DIN 7981Tx-T	2,9	3,5	3,9	4,2	4,8	5,5	6,3
TX	8	10	15	20	25	25	30
D	11	11	14	14	14	20	20
A	6,25	7,25	7,92	8,60	9,80	11,60	13,00
R	4,40	5,40	5,80	6,20	7,20	8,20	9,50
0	0,50	0,75	1,00	1,35	1,75	1,75	2,25
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45



PUNZÓN PHILLIPS

DIN
7982Ph

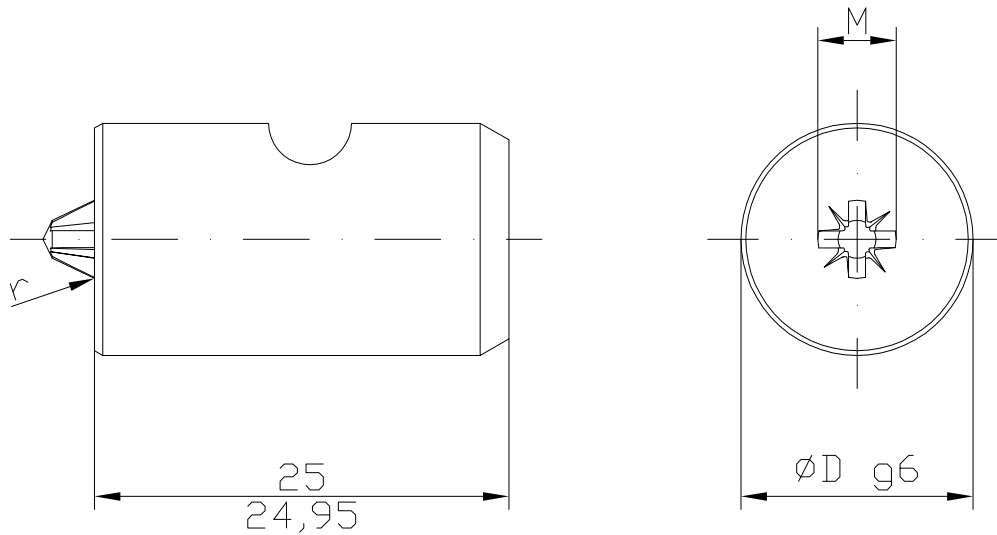


DIN 7982Ph	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
CRUZ N.º	1		2				3	
D	11	11	11	11	14	14	17	20
M	2,50	3,00	4,20	4,60	4,70	5,10	6,80	7,10
Profundidad Max de Penetración	1,32	1,70	2,12	2,53	2,62	3,10	3,53	3,91
Min	1,24	1,62	2,02	2,43	2,52	3,00	3,43	3,81



PUNZÓN POZIDRIV

DIN
7982Pz

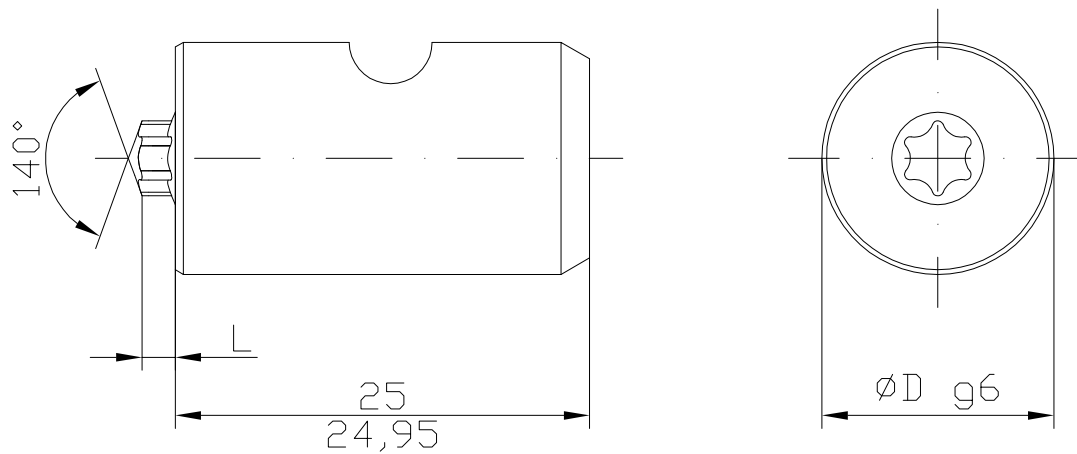


DIN 7982Pz	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
	1Z-10	1Z-540	2Z-48	2Z-11	2Z-60	2Z-40	3Z-11	3Z-30
CRUZ N.º	1		2				3	
D	11	11	11	11	14	14	17	20
M	2,40	2,80	4,00	4,20	4,40	5,00	6,30	7,00
Profundidad Max de Penetración	1,35	1,73	2,06	2,31	2,51	3,10	3,18	3,84
Min	1,27	1,65	1,96	2,21	2,41	3,00	3,08	3,74



PUNZÓN TX

DIN
7982Tx

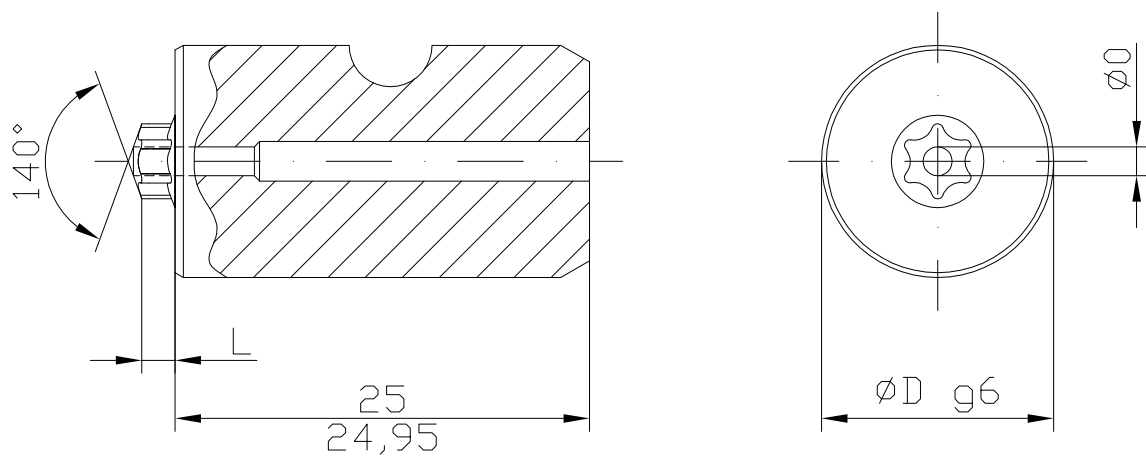


DIN 7982Tx	2,9	3,5	3,9	4,2	4,8	5,5	6,3	
TX	8	10	15	20	25	25	30	
D	11	11	14	14	14	17	20	
L	Max	0,90	1,20	1,40	1,30	1,60	2,05	2,50
	Min	0,85	1,15	1,35	1,25	1,55	2,00	2,45



PUNZÓN TX

DIN
7982Tx-T

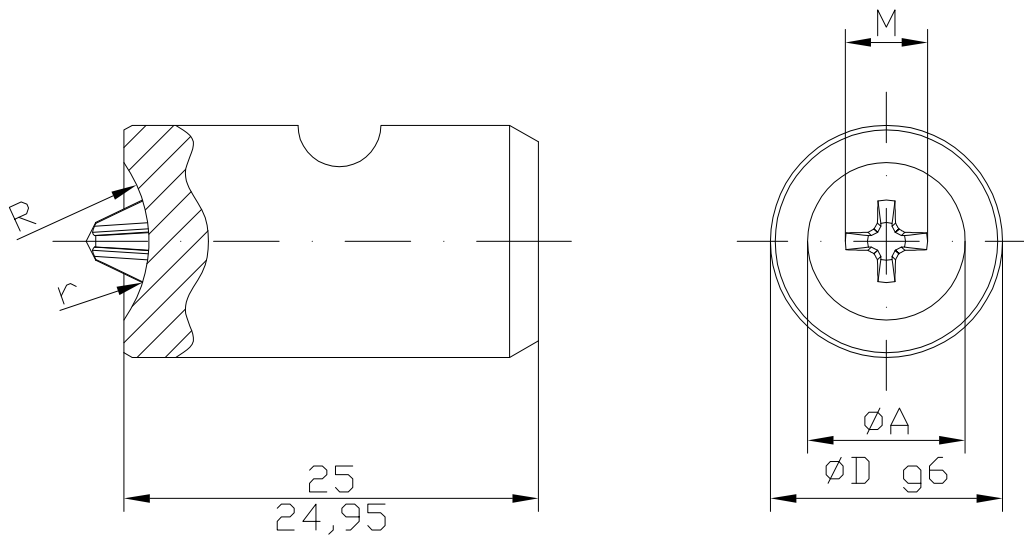


DIN 7982Tx-T	2,9	3,5	3,9	4,2	4,8	5,5	6,3	
TX	8	10	15	20	25	25	30	
D	11	11	14	14	14	17	20	
0	0,50	0,75	1,00	1,35	1,75	1,75	2,25	
L	Max	0,90	1,20	1,40	1,30	1,60	2,05	2,50
	Min	0,85	1,15	1,35	1,25	1,55	2,00	2,45

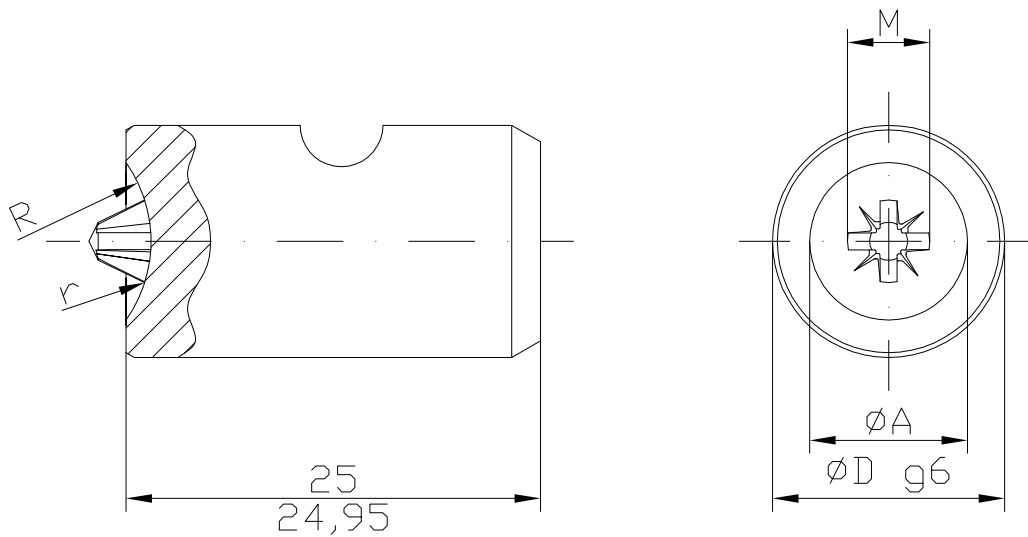


PUNZÓN PHILLIPS

DIN
7983Ph



DIN 7983Ph	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
CRUZ N.º	1		2				3	
D	11	11	11	14	14	14	17	20
A	4,30	5,50	6,80	7,50	8,10	9,50	10,80	12,40
M	2,80	3,40	4,60	4,70	4,90	5,40	7,00	7,40
R	3,80	4,60	5,40	6,00	6,60	8,20	9,40	11,10
Profundidad Max de Penetración Min	1,57	2,21	2,39	2,54	2,74	3,20	3,53	3,96
	1,49	2,13	2,29	2,44	2,64	3,10	3,43	3,86

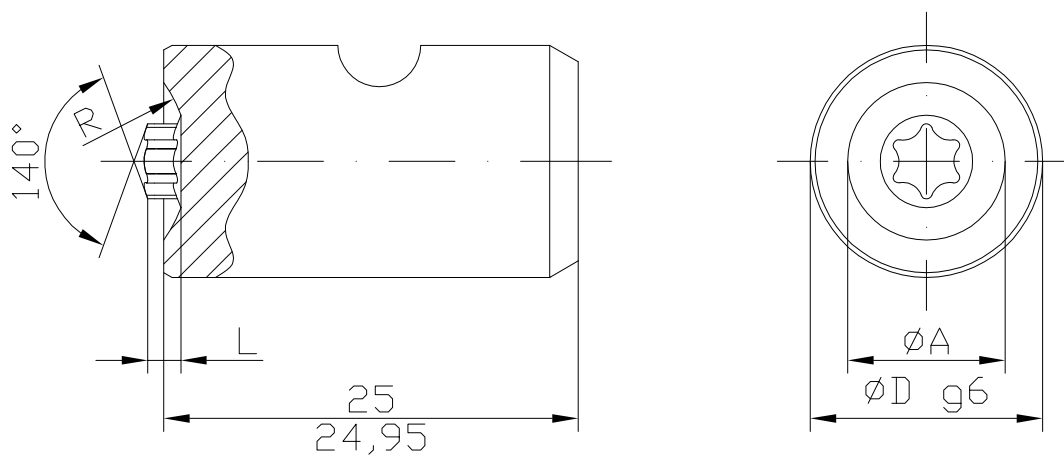


DIN 7983Pz	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
CRUZ N.º	1		2				3	
D	11	11	11	14	14	14	17	20
A	4,30	5,50	6,80	7,50	8,10	9,50	10,80	12,40
M	2,80	3,40	4,60	4,70	4,90	5,40	7,00	7,40
R	3,80	4,60	5,40	6,00	6,60	8,20	9,40	11,10
Profundidad Max de Penetración	1,57	2,21	2,39	2,54	2,74	3,20	3,53	3,96
Min	1,49	2,13	2,29	2,44	2,64	3,10	3,43	3,86



PUNZÓN TX

DIN
7983Tx

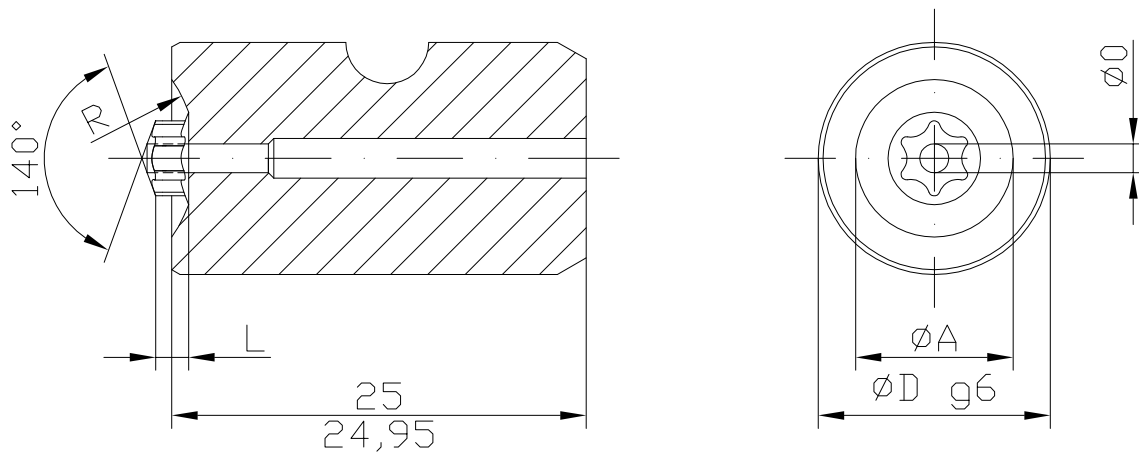


DIN 7983Tx	2,9	3,5	3,9	4,2	4,8	5,5	6,3
TX	8	10	15	20	25	25	30
D	11	11	14	14	14	17	20
A	5,50	6,80	7,50	8,10	9,50	10,80	12,40
R	4,60	5,40	6,00	6,60	8,20	9,40	11,10
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45



PUNZÓN TX

DIN
7983Tx-T

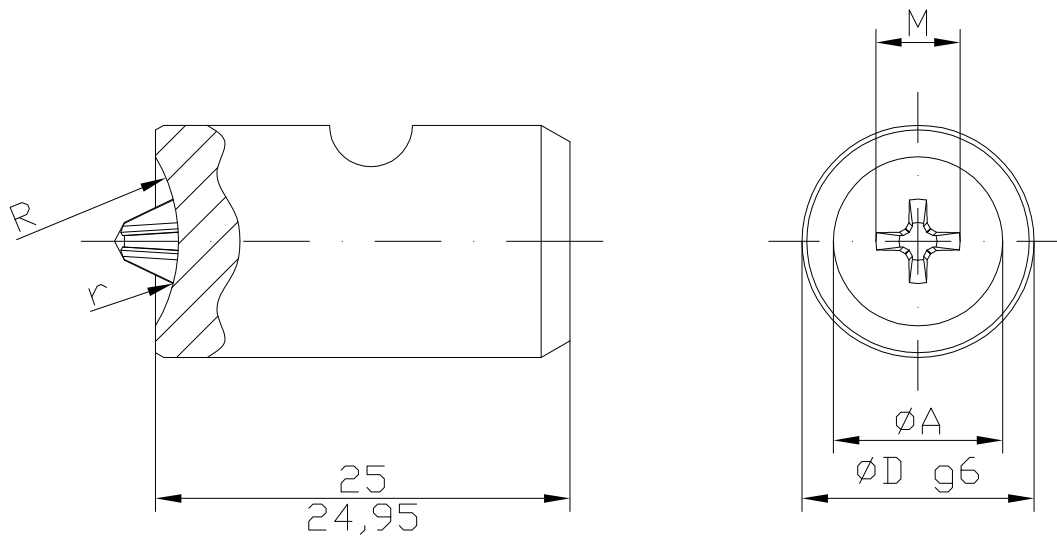


DIN 7983Tx-T	2,9	3,5	3,9	4,2	4,8	5,5	6,3
TX	8	10	15	20	25	25	30
D	11	11	14	14	14	17	20
A	5,50	6,80	7,50	8,10	9,50	10,80	12,40
R	4,60	5,40	6,00	6,60	8,20	9,40	11,10
O	0,50	0,75	1,00	1,35	1,75	1,75	2,25
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45

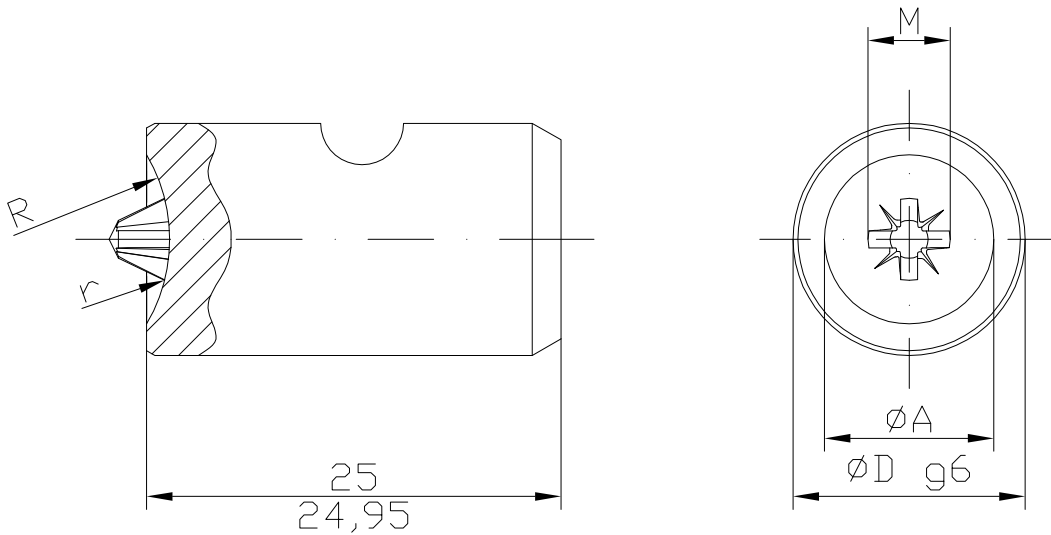


PUNZÓN PHILLIPS

DIN
7985Ph



DIN 7985Ph	M2	M2,5	M3	M3,5	M4	M5	M6	M8	M10
CRUZ N.º	1			2			3	4	
D	11	11	11	11	14	14	20	25	25
A	4,20	5,40	6,20	7,25	8,25	10,20	12,12	16,30	20,20
M	2,50	2,70	3,10	4,20	4,60	5,30	6,80	9,00	10,20
R	4	5	6	7	8	10	12	16	20
Profundidad Max de Penetración	1,40	1,60	2,00	2,24	2,54	3,27	3,53	4,68	5,88
Min	1,30	1,52	1,92	2,14	2,44	3,17	3,43	4,58	5,78

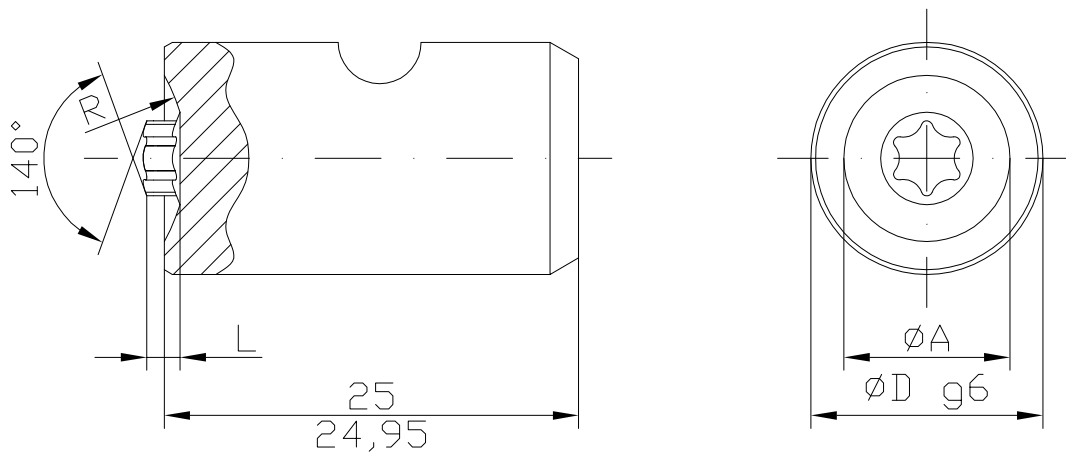


DIN 7985Pz	M2	M2,5	M3	M3,5	M4	M5	M6	M8	M10
CRUZ N.º	1			2			3	4	
D	11	11	11	11	14	14	20	25	25
A	4,20	5,40	6,20	7,25	8,25	10,20	12,12	16,30	20,20
M	2,40	2,60	3,00	4,00	4,30	5,00	6,70	8,80	9,90
R	4	5	6	7	8	10	12	16	20
Profundidad Max de Penetración	1,35	1,52	1,93	2,11	2,36	3,10	3,48	4,52	5,69
Min	1,25	1,44	1,85	2,01	2,26	3,00	3,38	4,42	5,59



PUNZÓN TX

DIN
7985Tx

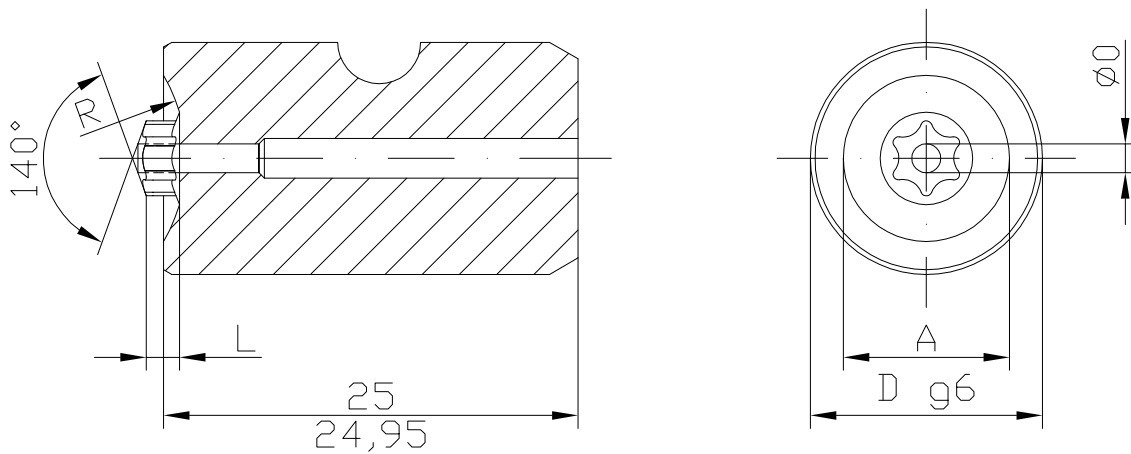


DIN 7985Tx	M2,5	M3	M3,5	M4	M5	M6	
TX	8	10	15	20	25	30	
D	11	11	11	14	14	20	
A	5,40	6,20	7,25	8,25	10,20	12,12	
R	5	6	7	8	10	12	
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45



PUNZÓN TX

DIN
7985Tx-T

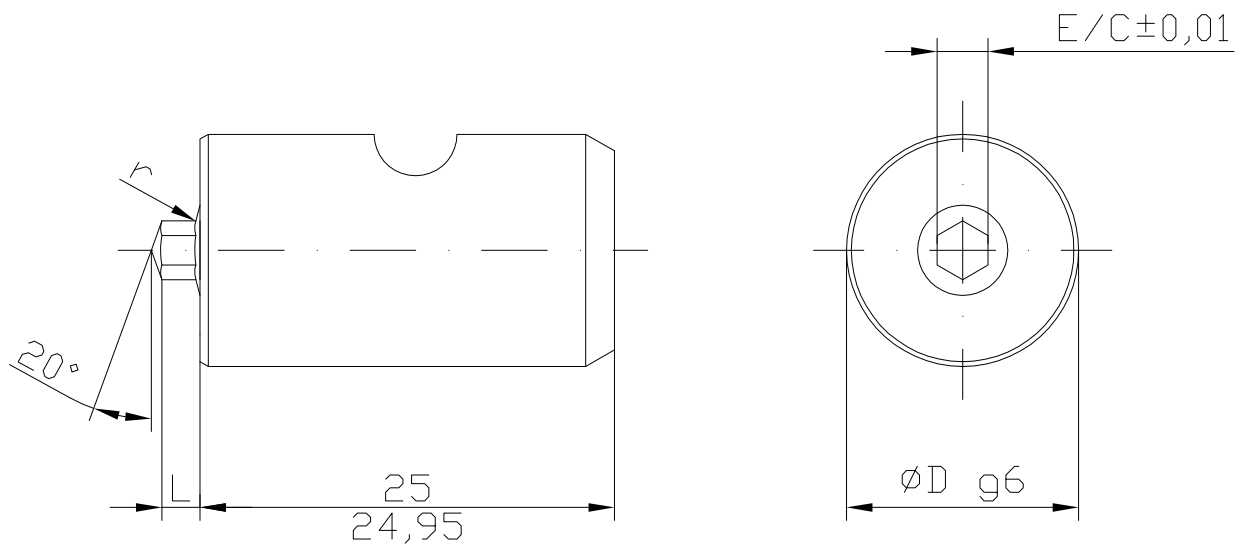


DIN 7985Tx-T	M2,5	M3	M3,5	M4	M5	M6	
TX	8	10	15	20	25	30	
D	11	11	11	14	14	20	
A	5,40	6,20	7,25	8,25	10,20	12,12	
R	5	6	7	8	10	12	
0	0,50	0,75	1,00	1,35	1,75	2,25	
L	Max	1,10	1,35	1,60	1,85	2,05	2,50
	Min	1,05	1,30	1,55	1,80	2,00	2,45



PUNZÓN ALLEN

DIN
7991

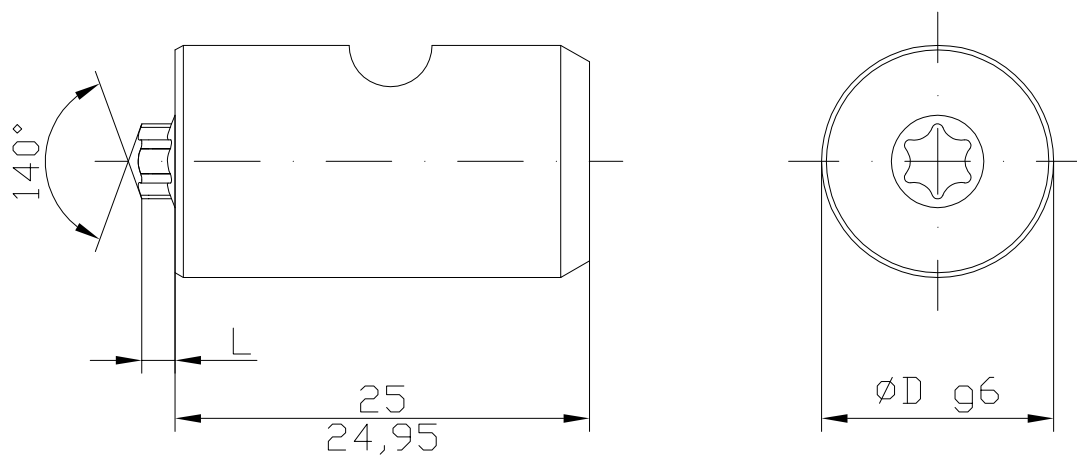


DIN 7991	M3	M4	M5	M6	M8	M10
D	11	11	14	17	20	25
E/C	2,06	2,56	3,08	4,095	5,10	6,10
L	1,20	1,80	2,30	2,50	3,50	4,40



PUNZÓN TX

DIN
7991Tx

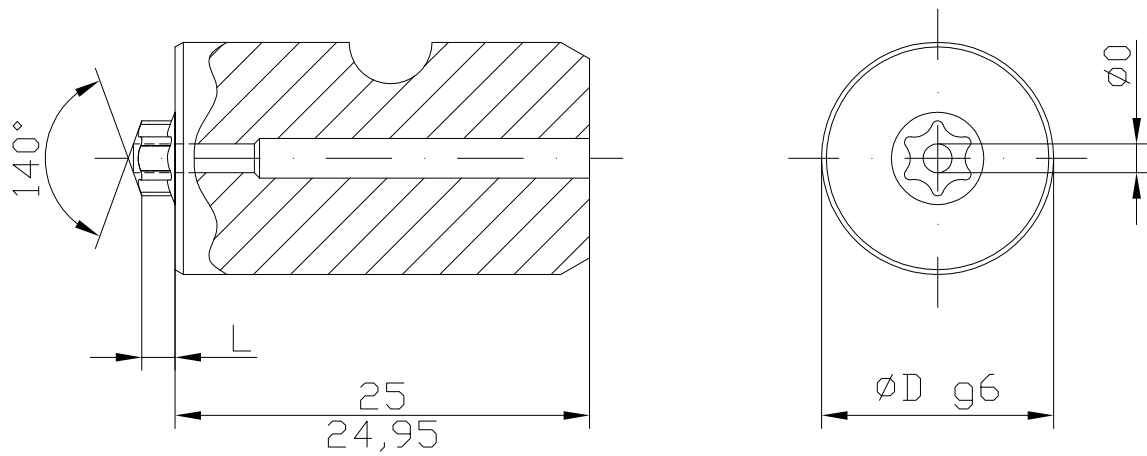


DIN 7991Tx	M3	M3,5	M4	M5	M6	M8	
TX	10	15	20	25	30	40	
D	11	11	14	14	17	20	
L	Max	1,10	1,20	1,30	1,55	1,80	2,30
	Min	1,05	1,15	1,25	1,50	1,75	2,25



PUNZÓN TX

DIN
7991Tx-T

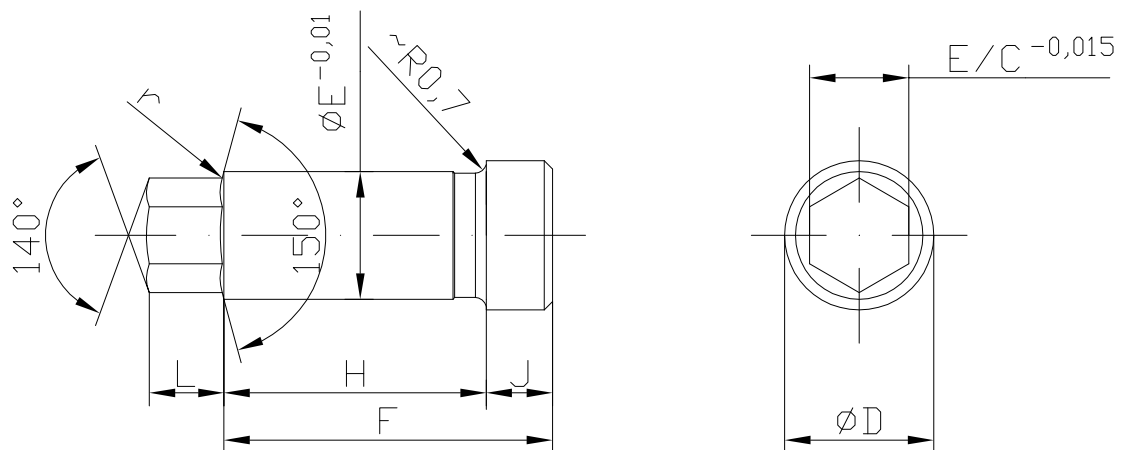


DIN 7991Tx-T	M3	M3,5	M4	M5	M6	M8	
TX	10	15	20	25	30	40	
D	11	11	14	14	17	20	
0	0,75	1,00	1,35	1,75	2,25	2,60	
L	Max	1,10	1,20	1,30	1,55	1,80	2,30
	Min	1,05	1,15	1,25	1,50	1,75	2,25



PERFORADOR ALLEN

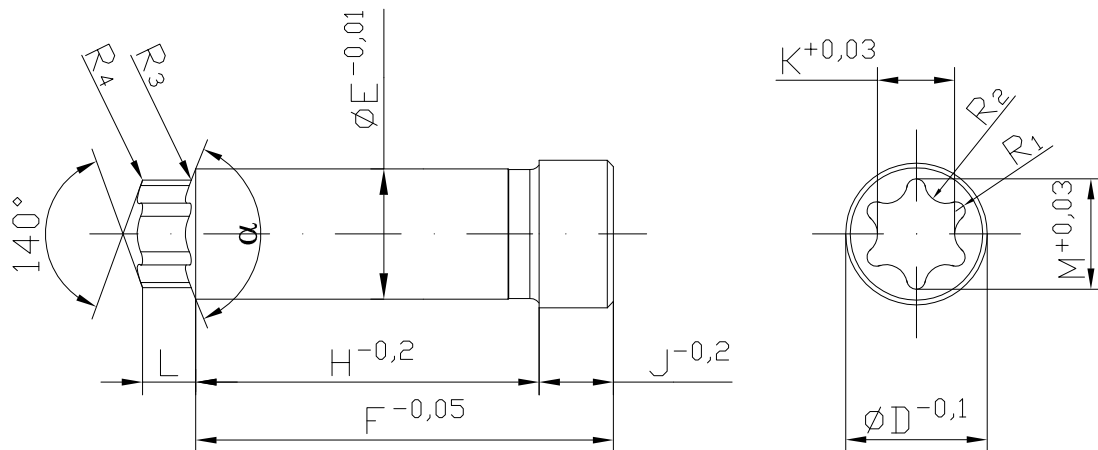
DIN
7991



DIN 7991	M4	M5	M6	M8	M10	M12
E/C	2,56	3,08	4,095	5,10	6,10	8,11
D	4	5	6	7	8	10
E	3,20	3,80	5,00	6,10	7,20	9,60
L	1,80	2,30	2,50	3,50	4,40	4,60
H	16	16	16	16	16	16
J	4	4	4	4	4	4
F	20	20	20	20	20	20



VARILLA TX

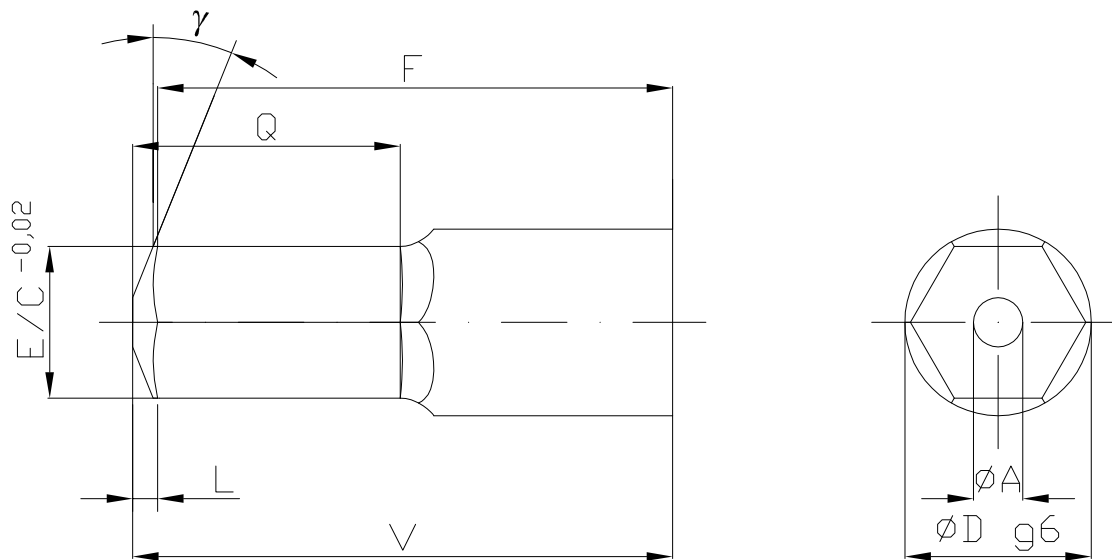


TX	10	15	20	25	27	30	40	45	50	55
F	16,05	16,05	16,05	16,05	16,05	16,05	19,35	25,75	25,75	25,75
H	11,25	11,25	11,25	11,25	11,25	11,25	14,55	20,95	20,95	20,95
J	4,80	4,80	4,80	4,80	4,80	4,80	4,80	4,80	4,80	4,80
D	3,25	3,80	4,65	5,20	5,75	6,50	7,65	9,50	10,60	13,10
E	2,93	3,47	4,05	4,65	5,30	5,74	6,90	8,40	9,50	11,92
M	2,82	3,35	3,94	4,53	5,09	5,62	6,77	7,94	8,96	11,36
K	2,04	2,42	2,84	3,26	3,65	4,06	4,88	5,68	6,49	8,08
R ₁	0,27	0,30	0,34	0,43	0,44	0,50	0,61	0,61	0,84	0,85
R ₂	0,56	0,67	0,81	0,87	1,06	1,14	1,37	1,76	1,75	2,59
R ₃	0,30	0,30	0,35	0,35	0,35	0,35	0,40	0,40	0,40	0,45
R ₄	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10
α	150°	150°	150°	150°	150°	150°	120°	120°	120°	120°
L										



EXTRACTOR HEXAGONAL

DIN
7991
(7380)

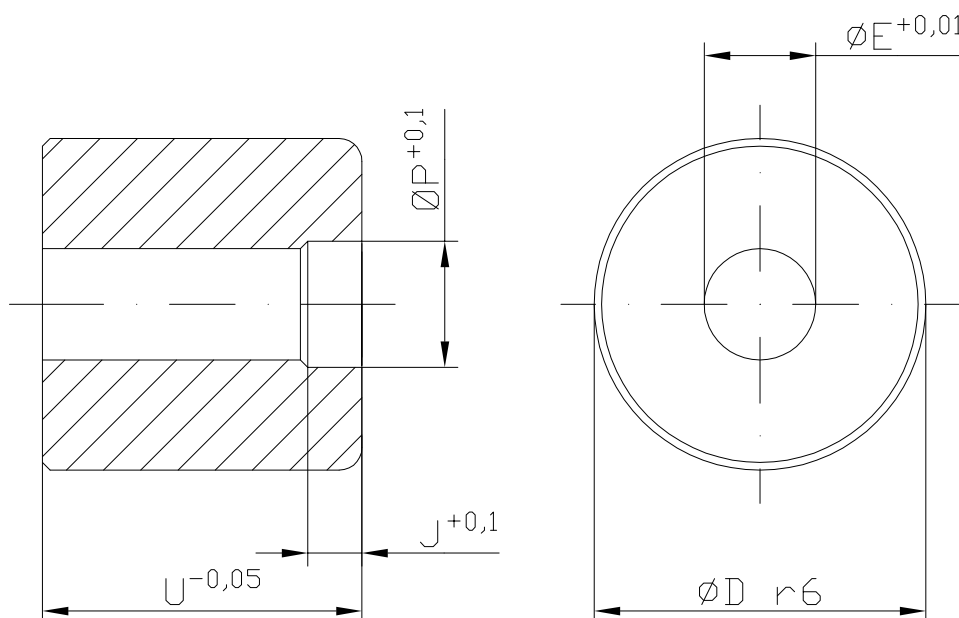


DIN 7991	M4	M5	M6	M8	M10	M12
E/C	2,56	3,08	4,095	5,10	6,10	8,11
D	3,50	4,00	5,00	6,00	7,50	9,60
A	0,90	1,15	1,20	1,30	2,40	2,60
F	21,90	22,40	22,60	23,60	27,50	27,70
V	22,38	22,96	23,42	24,67	28,58	29,28
Q	7,78	8,36	8,82	10,57	11,48	12,68
γ	25°	25°	25°	25°	25°	25°
L	0,48	0,56	0,82	1,07	1,08	1,58



ENVOLVENTE PLANA ALLEN

DIN
7991

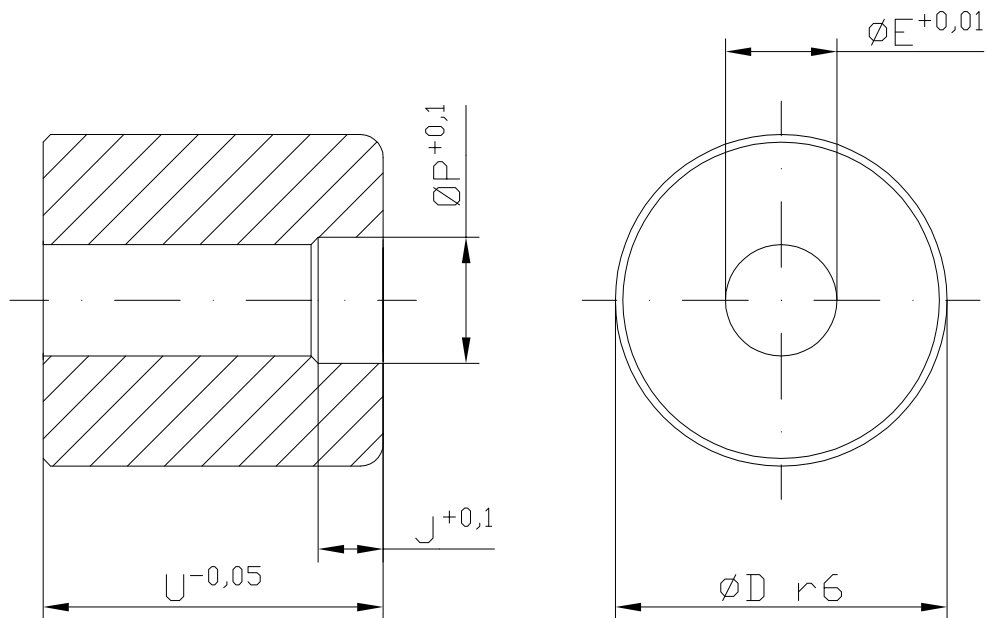


DIN 7991	M4	M5	M6	M8	M10	M12
D	14	17	20	25	25	30
ØE	3,20	3,80	5,00	6,10	7,20	9,60
P	4,10	5,10	6,10	7,10	8,10	10,10
U	19,90	19,90	19,90	19,90	19,90	19,90
J	4,10	4,10	4,10	4,10	4,10	4,10



ENVOLVENTE PLANA TX

DIN
7991

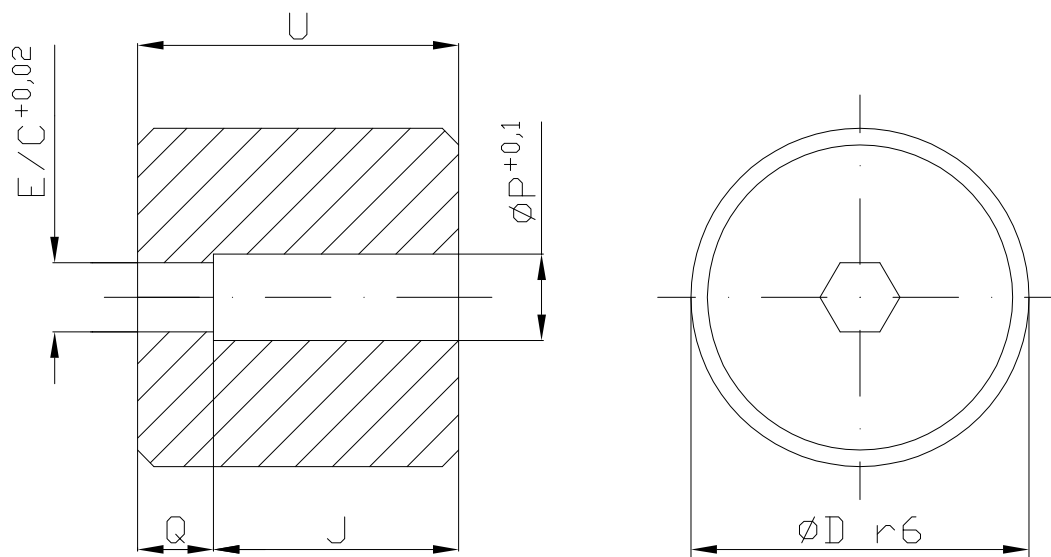


TX	10	15	20	25	27	30	40	45	50	55
D	14	14	14	17	17	20	20	25	25	30
E	2,93	3,47	4,05	4,65	5,30	5,74	6,90	8,40	9,50	11,92
P	3,25	3,80	4,65	5,20	5,75	6,50	7,65	9,50	10,60	13,10
U	15,95	15,95	15,95	15,95	15,95	15,95	19,25	25,65	25,65	25,65
J	4,90	4,90	4,90	4,90	4,90	4,90	4,90	4,90	4,90	4,90



ENVOLVENTE HEXAGONAL PLANA

DIN
7991

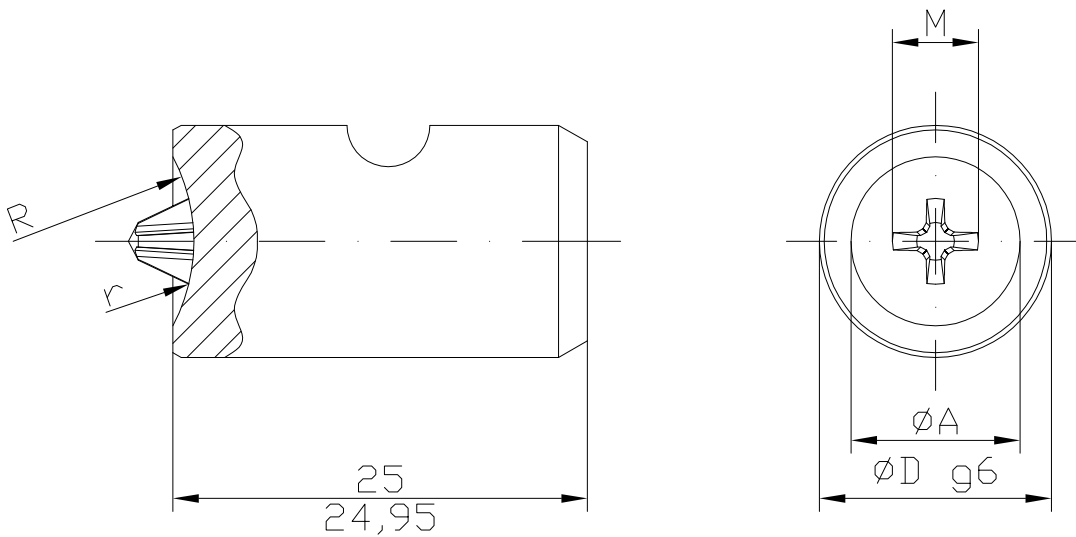


DIN 7991	M4	M5	M6	M8	M10	M12
E/C	2,57	3,09	4,105	5,11	6,11	8,12
D	14	17	20	20	25	30
P	3,60	4,10	5,10	6,10	7,80	10,00
U	20	20	20	20	23	23
J	15,50	15,50	15,50	15,00	18,00	17,50
Q	4,50	4,50	4,50	5,00	5,00	5,50

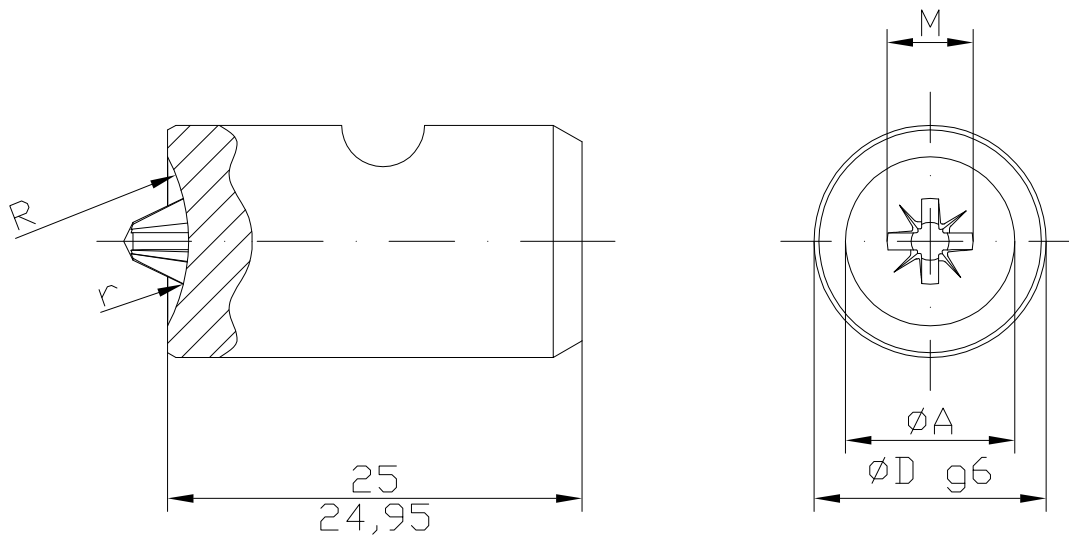


PUNZÓN PHILLIPS

DIN
7995Ph
(7505)



DIN 7995Ph	2,5	3	3,5	4	4,5	5	6
CRUZ N°	1		2				3
D	11	11	11	14	14	14	20
A	4,90	5,80	6,70	7,70	8,50	9,40	11,20
M	2,70	3,10	4,20	4,50	5,00	5,50	7,40
R	5	6	7	8	9	10	12
Profundidad Max de Penetración	1,60	2,00	2,24	2,54	3,05	3,47	4,16
Min	1,50	1,90	2,14	2,44	2,95	3,37	4,06

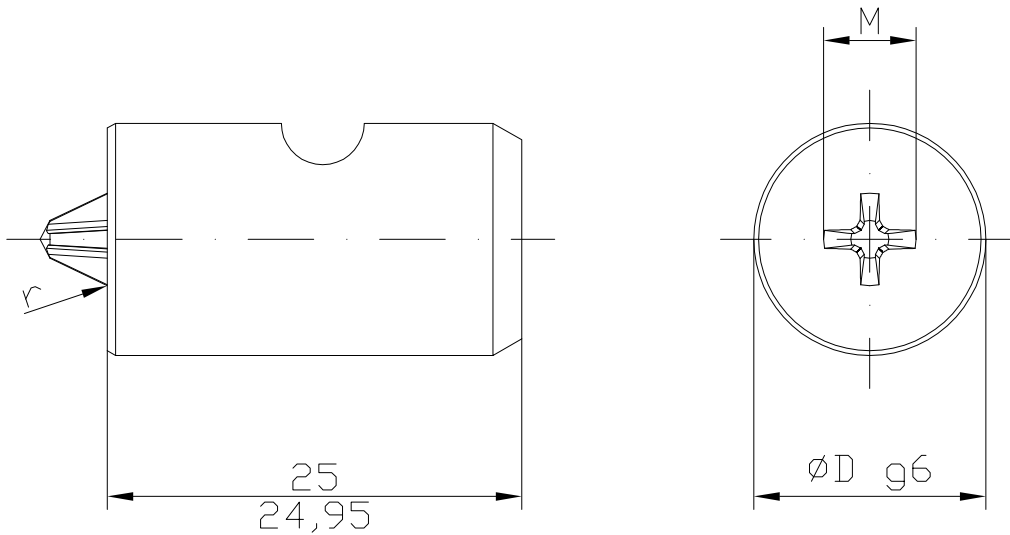


DIN 7995Pz	2,5	3	3,5	4	4,5	5	6
CRUZ N.º	1		2				3
D	11	11	11	14	14	14	20
A	5,20	6,20	7,20	8,20	9,20	10,20	12,20
M	2,70	3,12	4,06	4,65	5,08	5,28	7,00
R	5,60	6,60	6,73	8,30	9,60	10,90	12,00
Profundidad Max de Penetración	1,69	2,08	2,11	2,72	3,15	3,35	3,86
Min	1,61	2,00	2,01	2,62	3,05	3,25	3,76



PUNZÓN PHILLIPS

DIN
7997Ph
(7505)

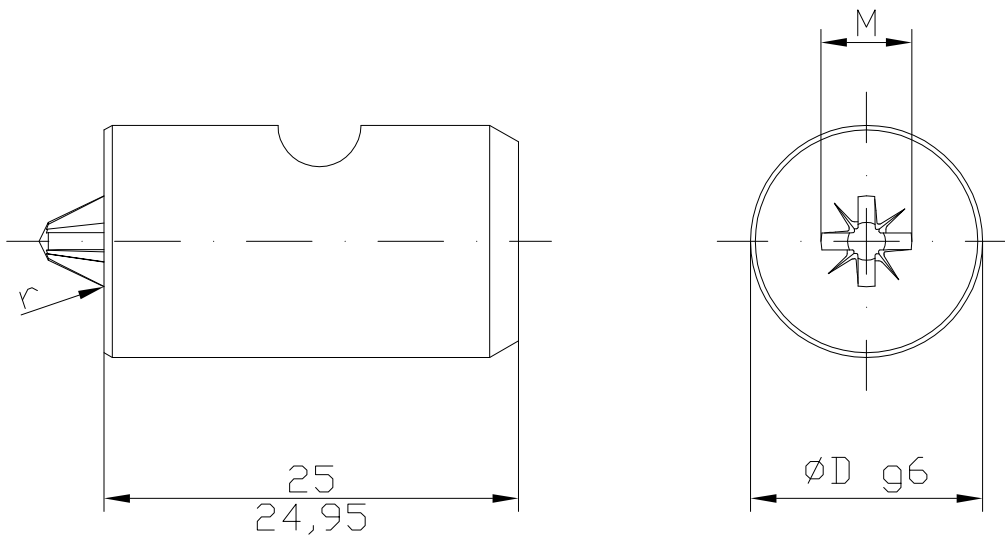


DIN 7997Ph	2,5	3	3,5	4	4,5	5	6
CRUZ N°	1		2			3	
D	11	11	11	14	14	14	17
M	2,70	2,90	3,90	4,40	4,60	4,80	6,60
Profundidad Max de Penetración	1,55	1,80	1,90	2,40	2,60	2,79	3,30
Min	1,45	1,70	1,80	2,30	2,50	2,69	3,20



PUNZÓN POZIDRIV

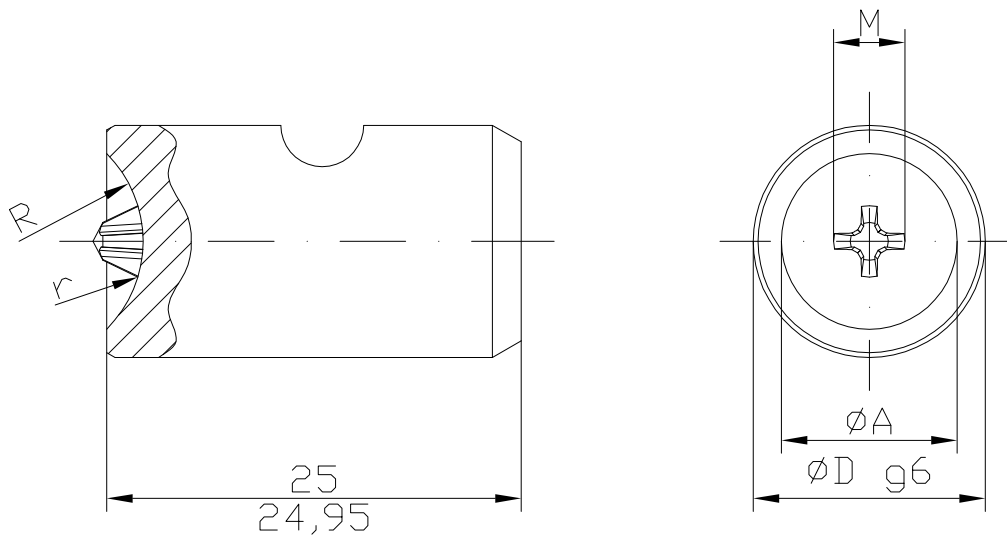
DIN
7997Pz
(7505)



DIN 7997Pz	2,5	3	3,5	4	4,5	5	6
	1Z-20	1Z-30	2Z-48	2Z-60	2Z-76	2Z-75	3Z-20
CRUZ N.º	1		2			3	
D	11	11	11	14	14	14	17
M	2,51	3,00	4,00	4,40	4,80	5,30	6,60
Profundidad Max de Penetración	1,47	2,01	2,06	2,51	2,92	3,45	3,45
Min	1,39	1,93	1,96	2,41	2,82	3,35	3,35



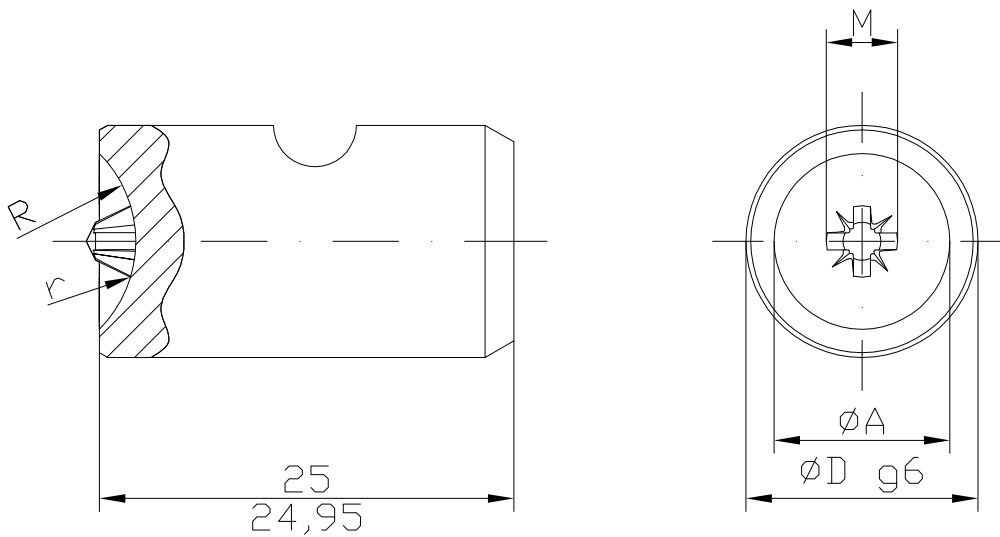
PUNZÓN PHILLIPS CABEZA ANCHA



	2,9	3,2	3,5	3,9	4,2	4,8	5,5	6,3
	3P10-17	3P20-63	3P20-71	3P20-33	3P20-64	3P20-34	3P30-24	3P30-25
CRUZ N°	1	2					3	
D	11	14	14	14	14	17	17	20
A	6,60	8,15	9,15	9,75	10,60	11,40	13,20	14,80
M	3,00	3,90	4,20	4,40	4,60	4,80	6,10	6,50
R	4,80	5,90	6,50	7,00	7,50	8,00	9,00	10,00
Profundidad Max de Penetración	1,80	1,82	2,03	2,23	2,43	2,64	2,84	3,22
Min	1,72	1,72	1,93	2,13	2,33	2,54	2,74	3,12



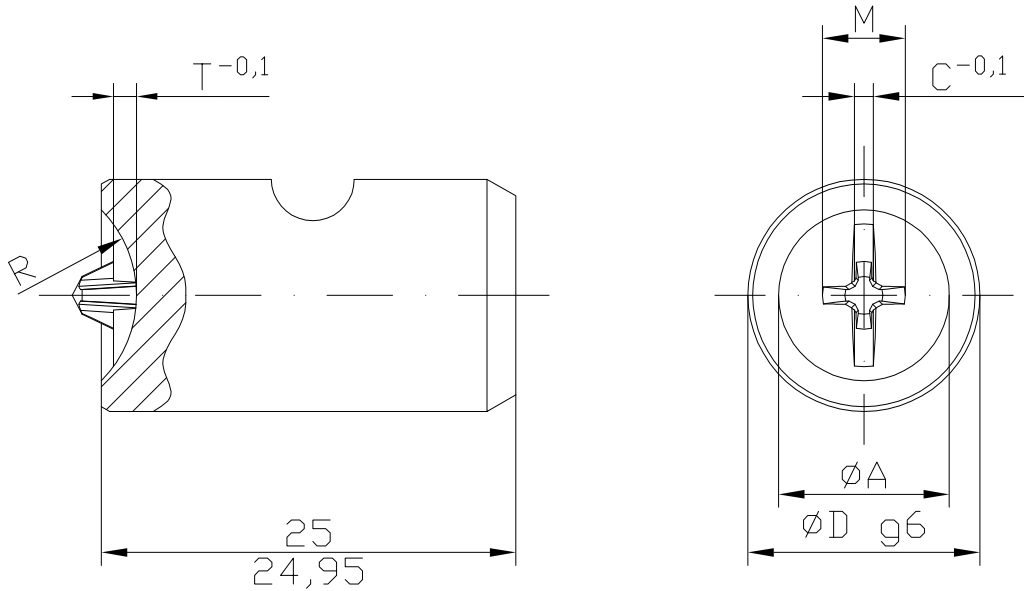
PUNZÓN POZIDRIV CABEZA ANCHA



	2,9	3,2	3,5	3,9	4,2	4,8	5,5	6,3
	3Pz10-17	3Pz20-63	3Pz20-71	3Pz20-33	3Pz20-64	3Pz20-34	3Pz30-24	3Pz30-25
CRUZ N.º	1	2					3	
D	11	14	14	14	14	17	17	20
A	6,60	8,15	9,15	9,75	10,60	11,40	13,20	14,80
M	3,00	3,90	4,20	4,40	4,60	4,80	6,10	6,50
R	4,80	5,90	6,50	7,00	7,50	8,00	9,00	10,00
Profundidad Max de Penetración	1,75	1,77	1,98	2,18	2,38	2,59	2,79	3,17
Min	1,67	1,67	1,88	2,08	2,28	2,49	2,69	3,07



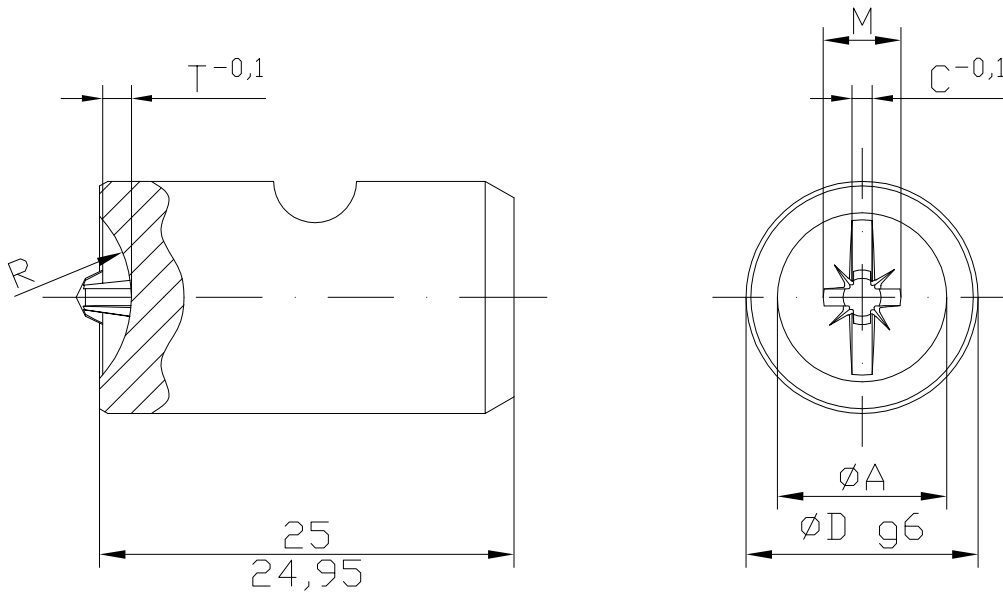
PUNZÓN PHILLIPS COMBINADO CON RANURA



	2,2	2,9	3,2	3,5	3,9	4,2	4,8	5,5	6,3
	3P10-154	3P10-156	3P20-551	3P20-552	3P20-553	3P20-554	3P20-555	3P30-236	3P30-237
CRUZ N°	1		2					3	
D	11	11	11	11	14	14	14	17	20
A	4,80	6,25	6,52	7,25	7,92	8,60	10,10	11,60	13,00
M	2,60	3,00	3,90	4,20	4,40	4,60	5,00	6,50	7,10
R	3,40	4,40	5,00	5,40	5,80	6,20	7,20	8,20	9,50
T	0,79	1,02	1,14	1,27	1,37	1,47	1,73	1,96	2,21
C	0,79	0,99	1,09	1,22	1,22	1,37	1,52	1,70	1,91
Profundidad Max de Penetración	1,32	1,80	1,90	2,03	2,26	2,46	2,87	3,15	3,66
Min	1,24	1,72	1,80	1,93	2,16	2,36	2,77	3,05	3,56



PUNZÓN POZIDRIV COMBINADO CON RANURA



	2,2	2,9	3,2	3,5	3,9	4,2	4,8	5,5	6,3
	3Pz10-154	3Pz10-156	3Pz20-551	3Pz20-552	3Pz20-553	3Pz20-554	3Pz20-555	3Pz30-236	3Pz30-237
CRUZ N.º	1		2					3	
D	11	11	11	11	14	14	14	17	20
A	4,80	6,25	6,52	7,25	7,92	8,60	9,80	11,60	13,00
M	2,60	3,00	3,90	4,20	4,40	4,60	5,00	6,50	7,10
R	3,40	4,40	5,00	5,40	5,80	6,20	7,20	8,20	9,50
T	0,79	1,02	1,14	1,27	1,37	1,47	1,73	1,96	2,21
C	0,79	0,99	1,09	1,22	1,22	1,37	1,52	1,70	1,91
Profundidad Max de Penetración	1,35	1,83	1,85	1,93	2,16	2,34	2,74	2,97	3,48
Min	1,25	1,73	1,75	1,83	2,06	2,24	2,64	2,87	3,38

ENVOLVENTES

Figura 1

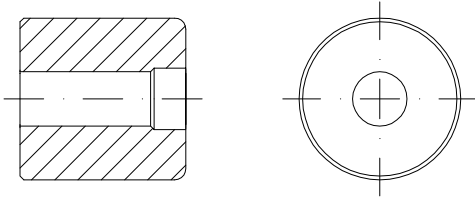


Figura 2

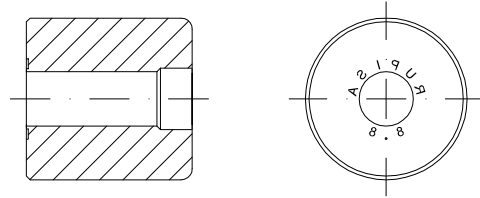


Figura 3

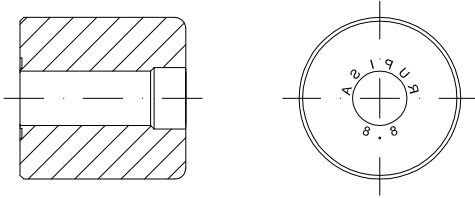


Figura 4

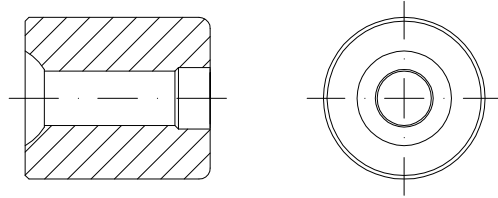


Figura 5

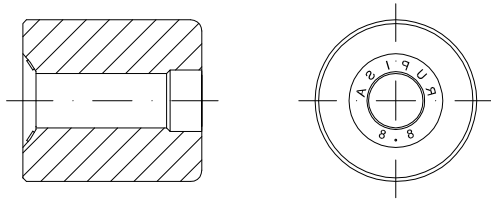


Figura 6

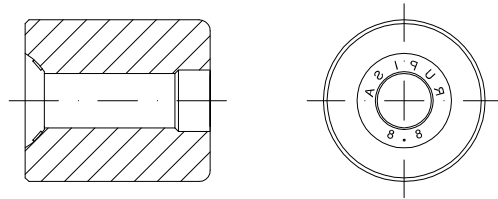


Figura 7

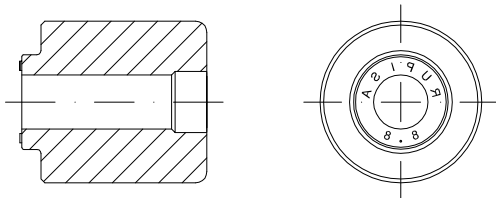


Figura 8

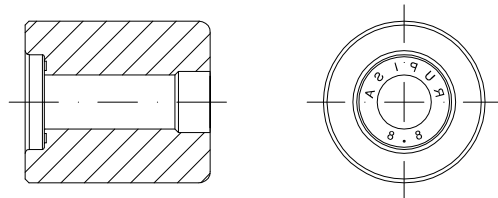


Figura 9

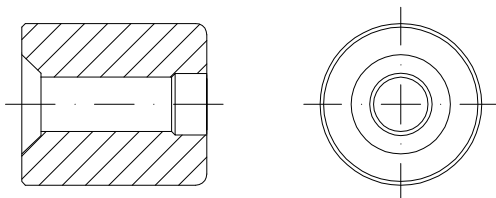
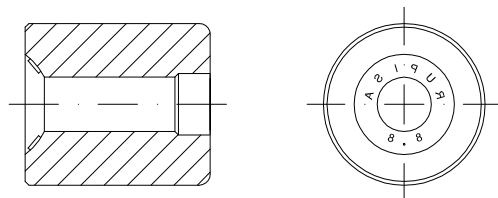


Figura 10

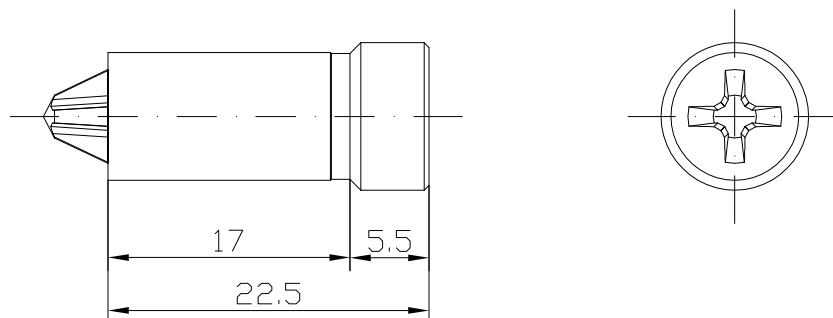




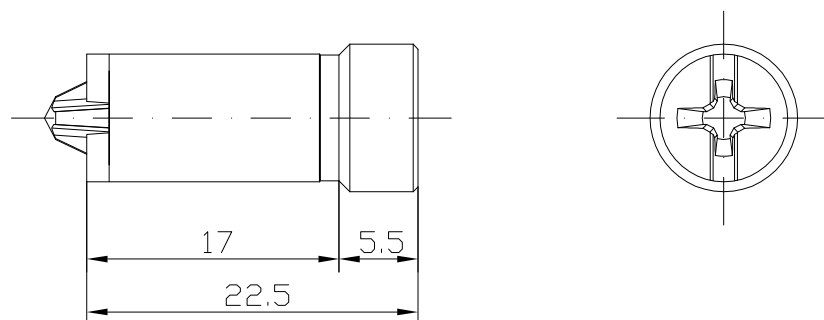
EXTRACTORES PHILLIPS

PARA TORNILLOS CON CABEZA CILÍNDRICA

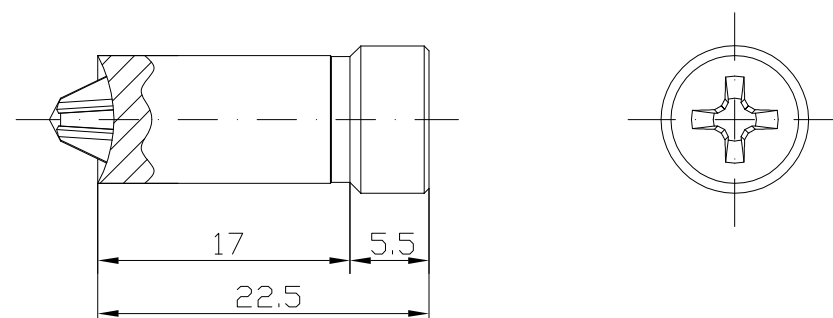
Plano



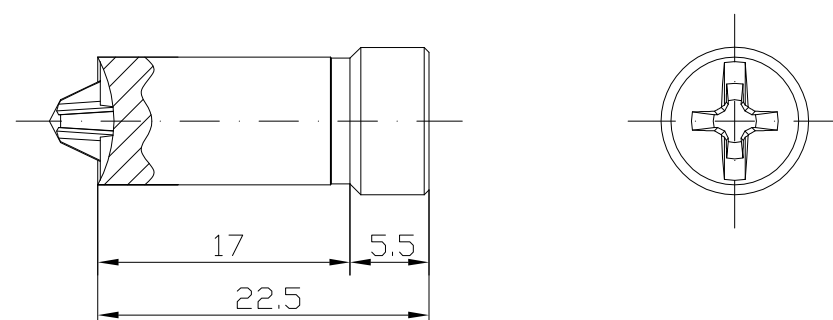
Con ranura



Alomado



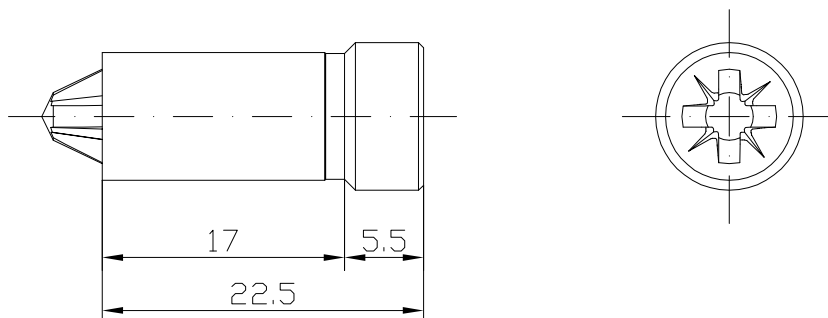
Combinado con ranura



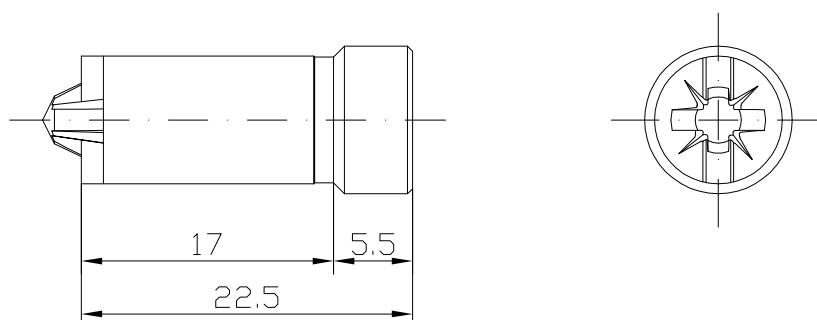


EXTRACTORES POZIDRIV PARA TORNILLOS CON CABEZA CILÍNDRICA

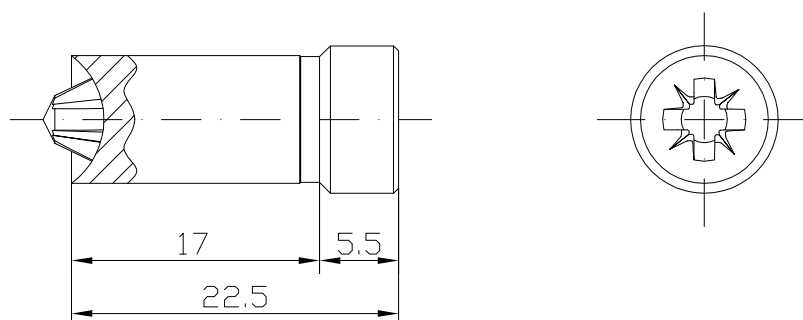
Plano



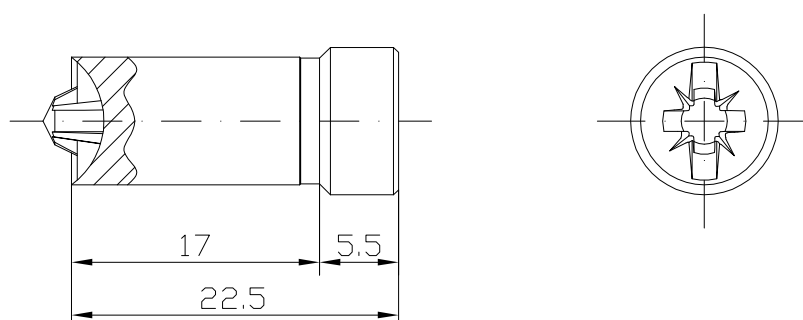
Con ranura



Alomado

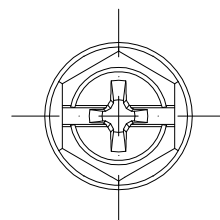
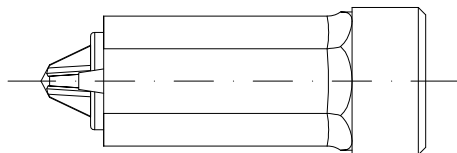
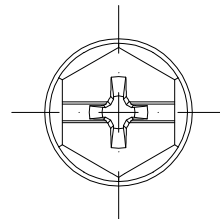
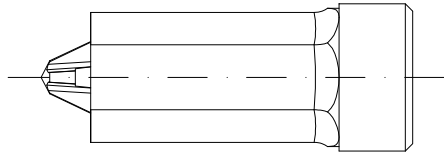
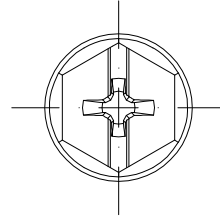
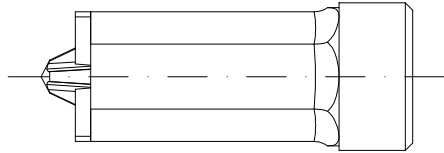
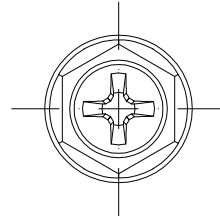
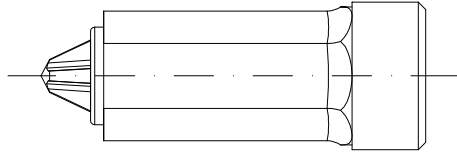
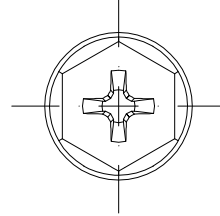
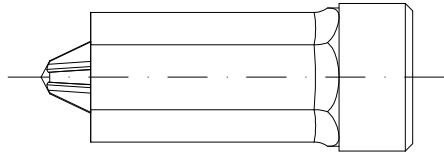


Combinado con ranura



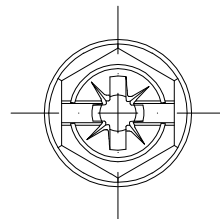
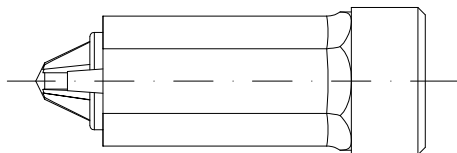
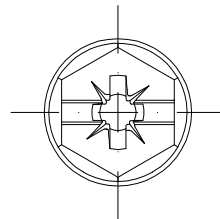
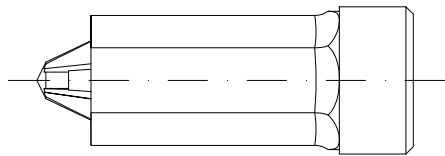
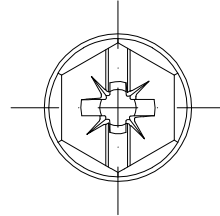
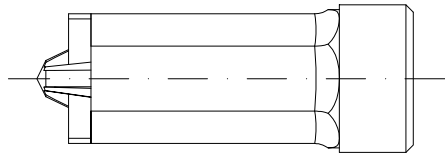
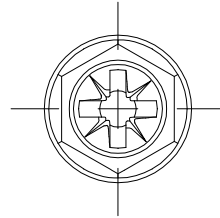
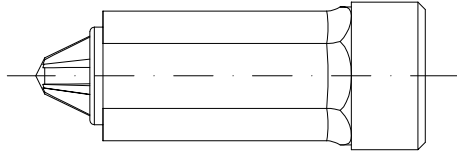
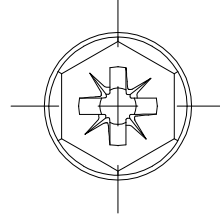
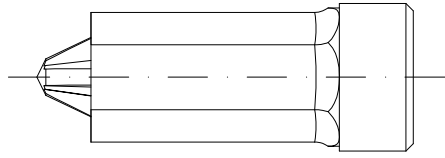


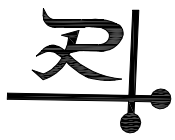
EXTRACTORES PHILLIPS HEXAGONALES



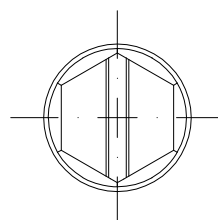
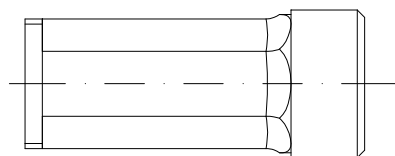
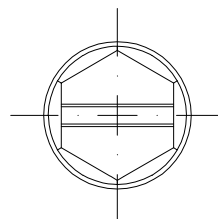
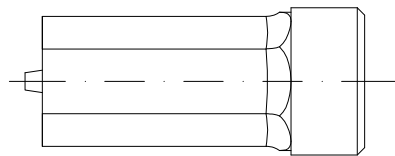
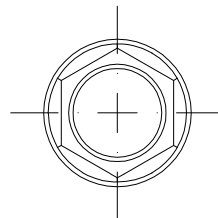
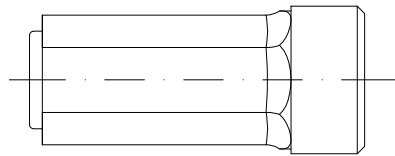
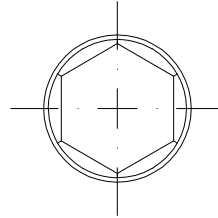
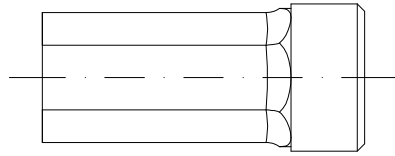


EXTRACTORES POZIDRIV HEXAGONALES



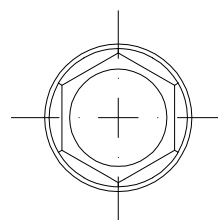
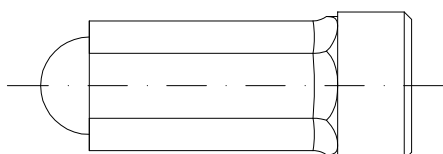
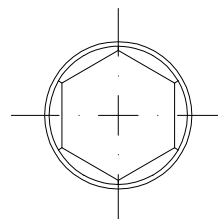
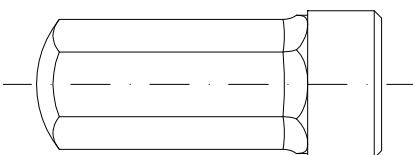
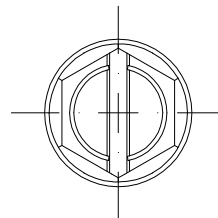
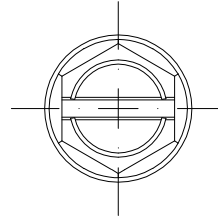
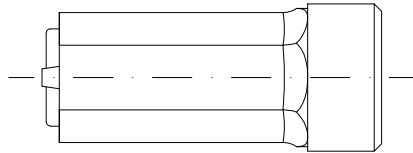


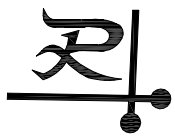
EXTRACTORES HEXAGONALES



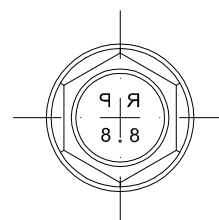
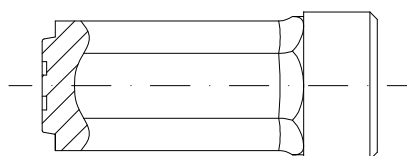
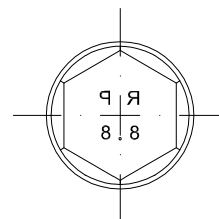
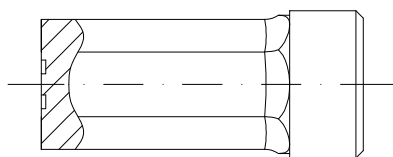
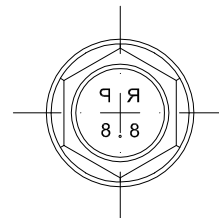
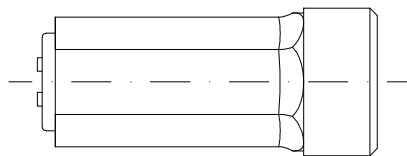
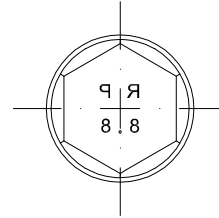
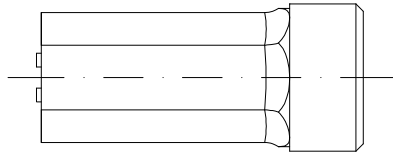


EXTRACTORES HEXAGONALES



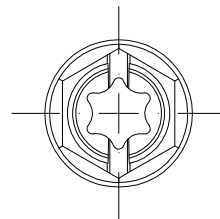
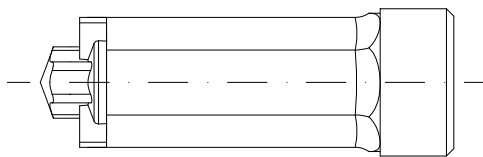
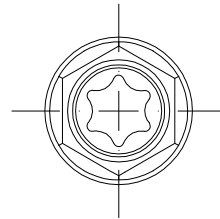
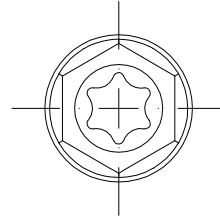
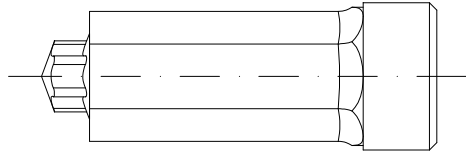


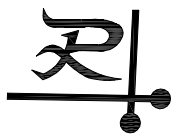
EXTRACTORES HEXAGONALES GRABADOS



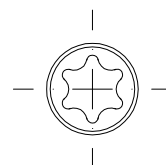
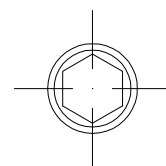
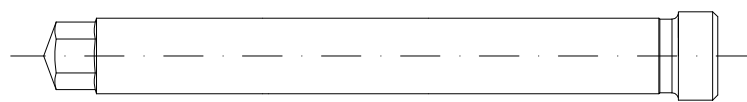
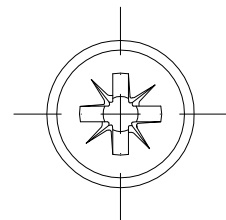
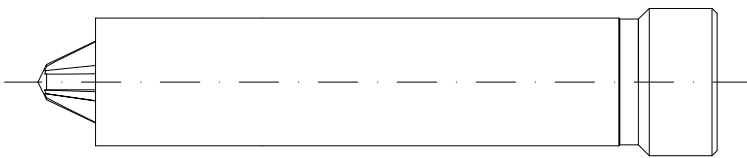
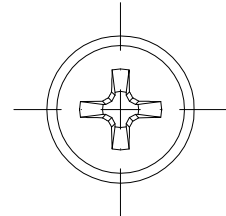
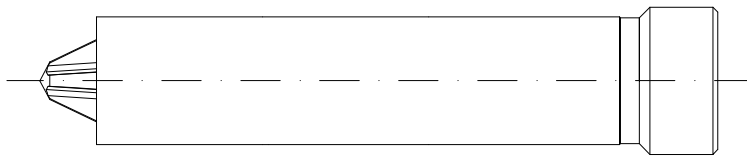


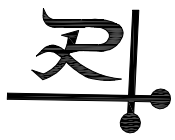
EXTRACTORES TX HEXAGONALES



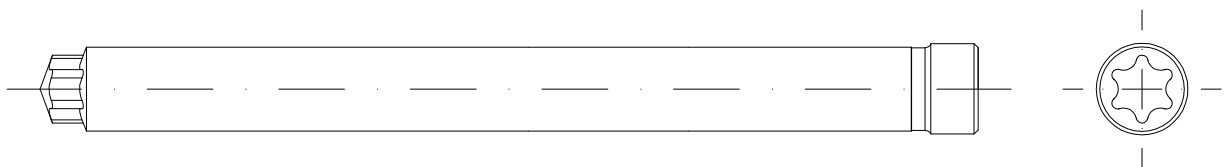
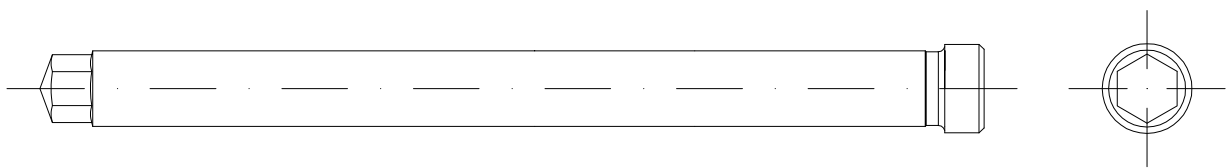
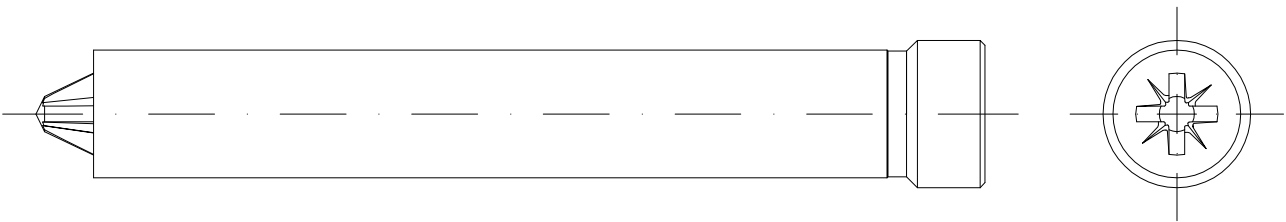
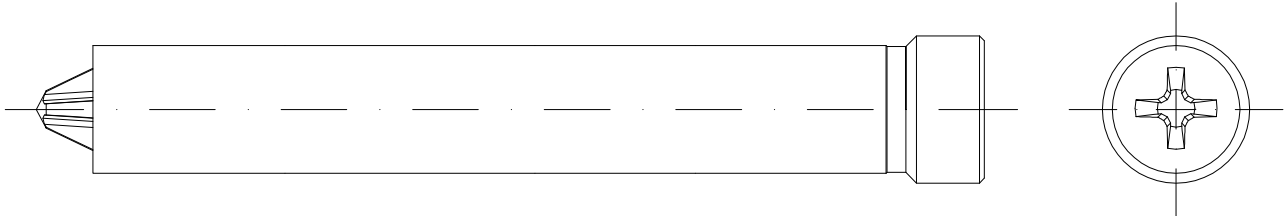


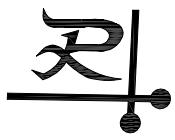
CONJUNTO VARILLAS MEDIANAS



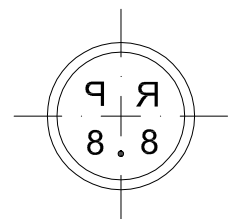
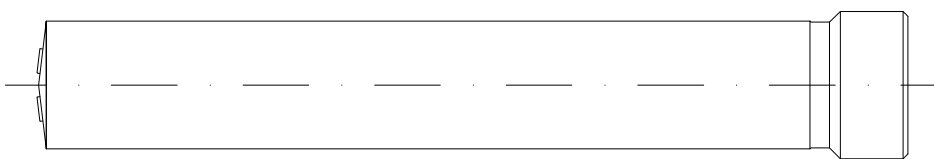
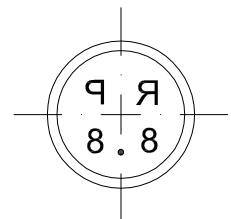
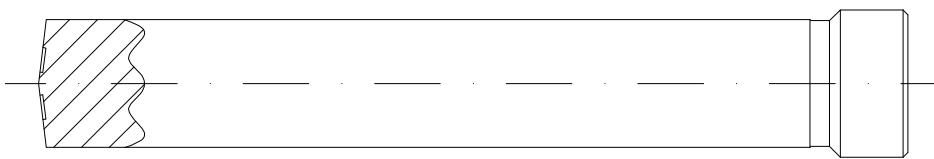
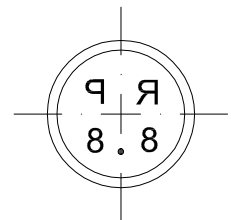
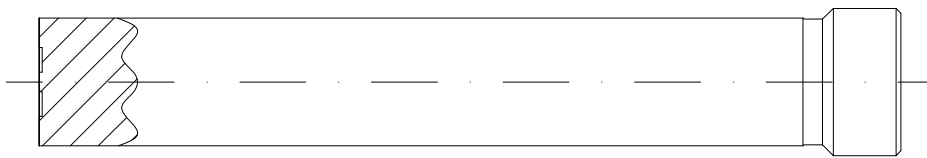
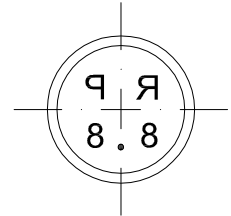
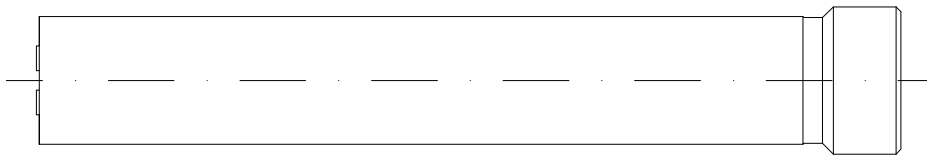


CONJUNTO VARILLAS LARGAS



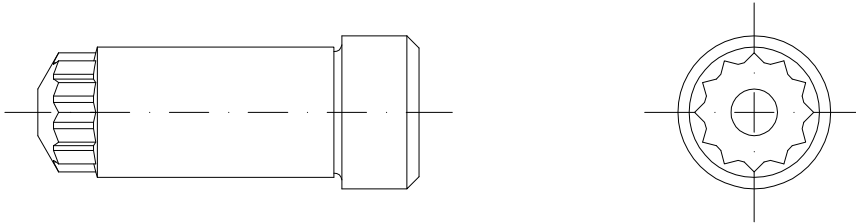


CONJUNTO VARILLAS GRABADAS

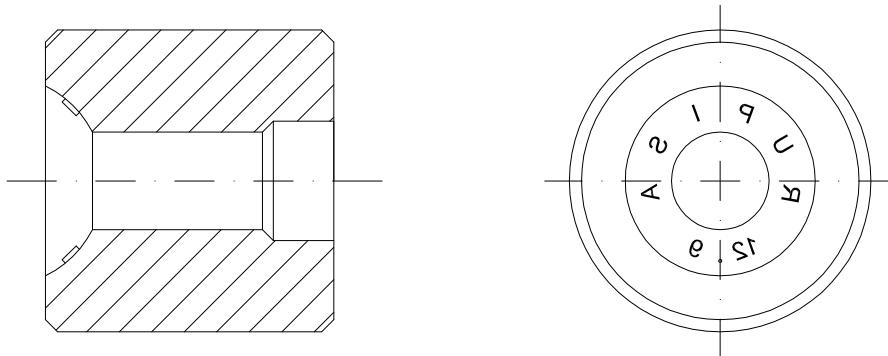


DOCE PUNTAS

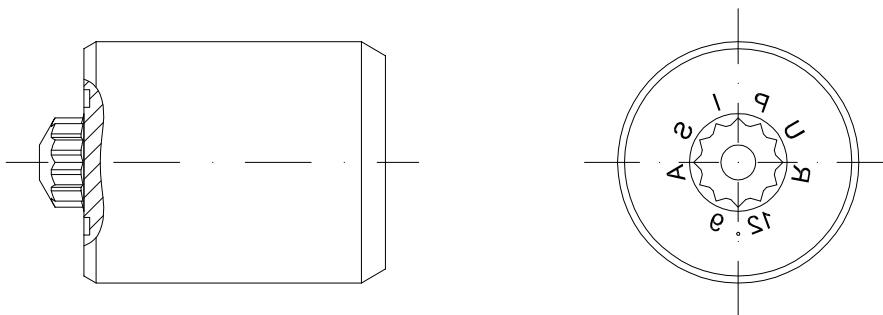
Extractor



Envolvente



Punzón



SELLOS

Figura 1

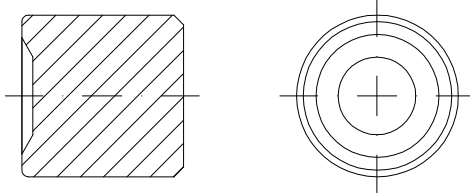


Figura 2

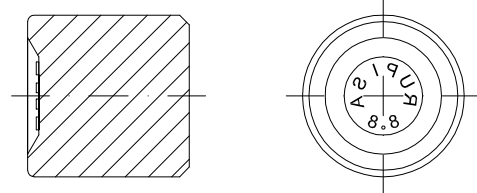


Figura 3

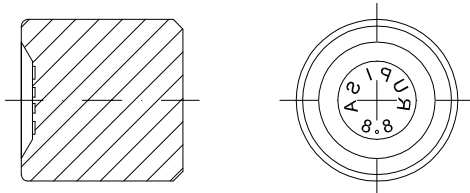


Figura 4

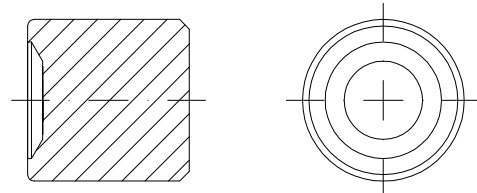


Figura 5

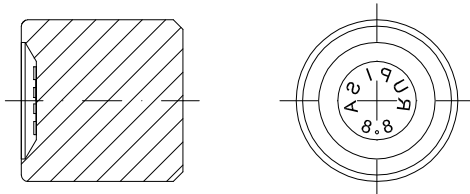


Figura 6

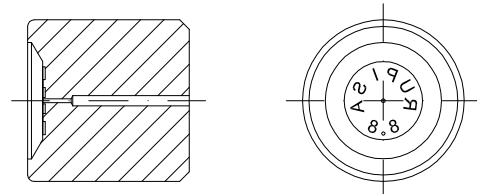


Figura 7

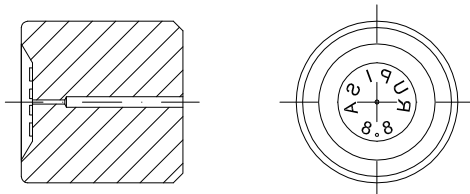


Figura 8

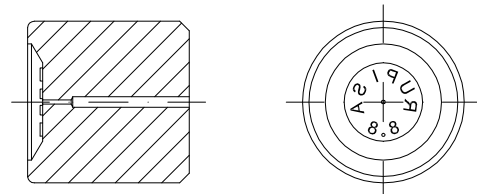


Figura 9

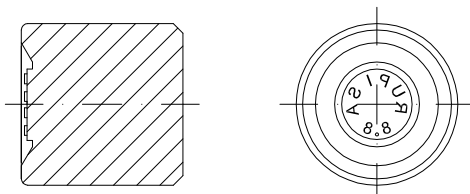


Figura 10

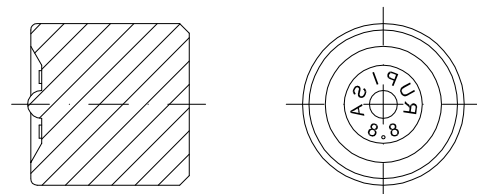


Figura 11

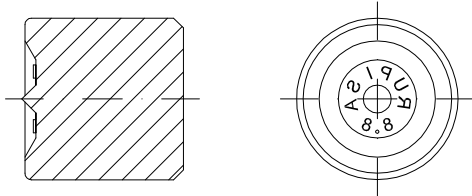


Figura 12

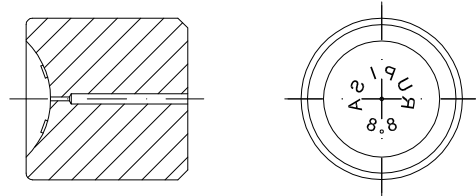


Figura 13

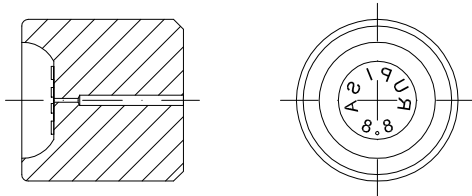


Figura 14

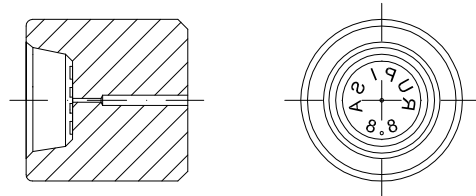


Figura 15

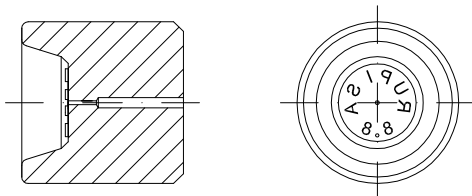


Figura 16

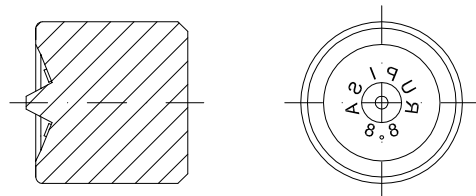


Figura 17

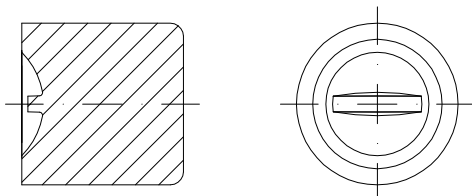


Figura 18

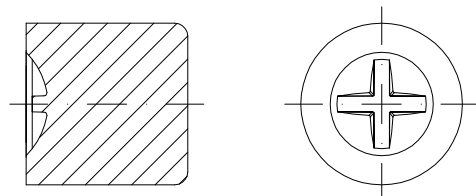


Figura 19

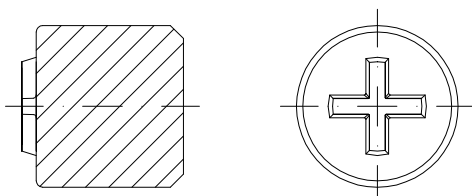
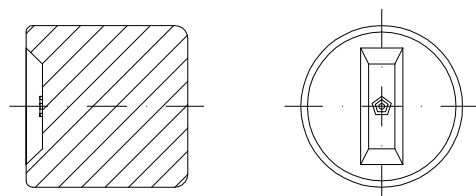
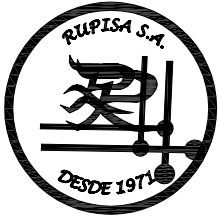
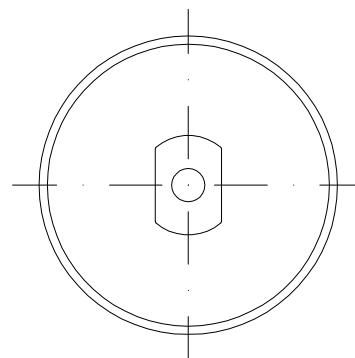
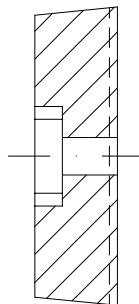
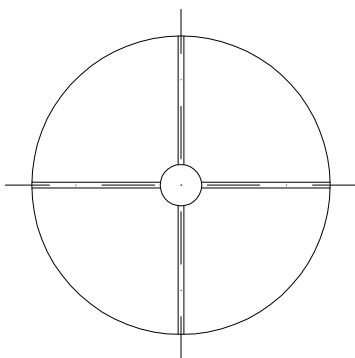
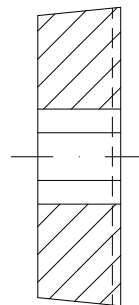
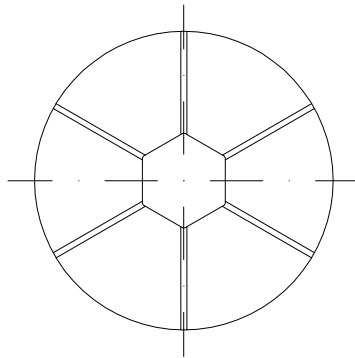
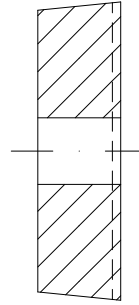
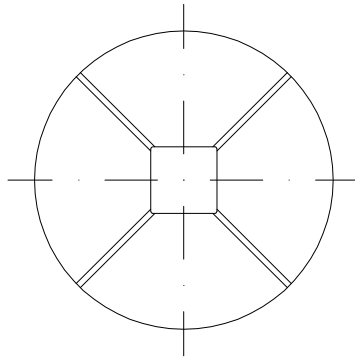


Figura 20





PLAQUITAS





SELLOS Y CANUTOS

