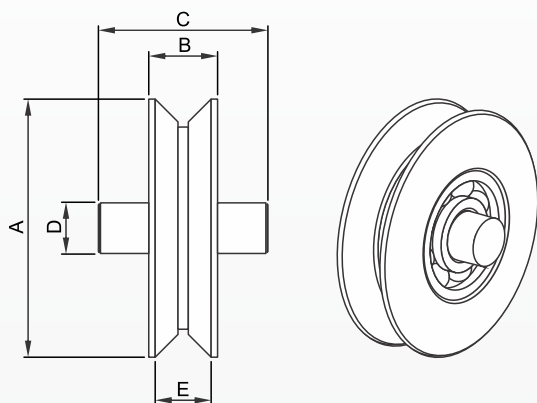




CATÁLOGO DE PRODUTOS

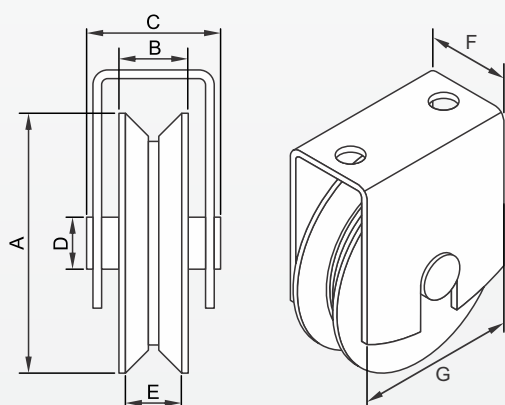
severo®

COMPONENTES PARA SERRALHERIA



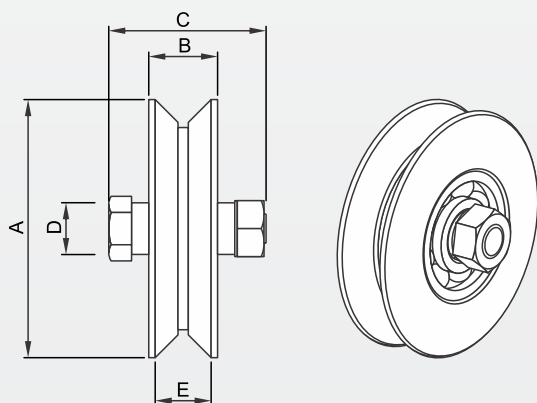
ROLDANA PARA PORTÃO COM PINO CANAL "V"

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	40mm	12mm	13mm	100.001	110.001
1020	2½"	16mm	40mm	12mm	13mm	100.002	110.002
1020	3"	16mm	40mm	15mm	13mm	100.003	110.003
1020	4"	17mm	40mm	15mm	13mm	100.004	110.004
1020	5"	17mm	40mm	15mm	13mm	100.005	110.005



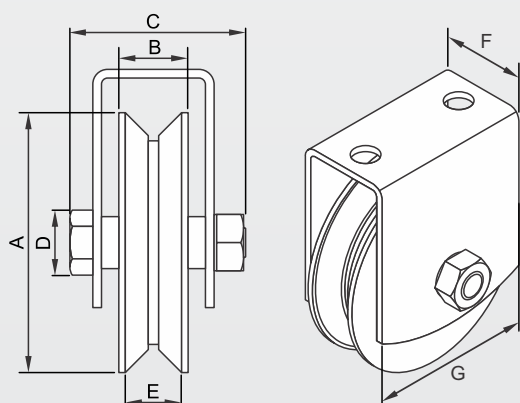
ROLDANA PARA PORTÃO COM PINO CANAL "V" C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	12mm	13mm	29mm	40mm	100.006	110.006
1020	2½"	16mm	42mm	12mm	13mm	29mm	40mm	100.007	110.007
1020	3"	16mm	42mm	15mm	13mm	29mm	50mm	100.008	110.008
1020	4"	17mm	42mm	15mm	13mm	29mm	70mm	100.009	110.009



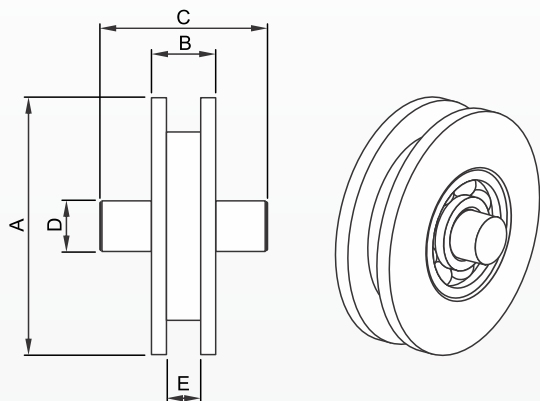
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "V"

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	5/16 x 1½	13mm	100.011	110.011
1020	2½"	16mm	42mm	5/16 x 1½	13mm	100.012	110.012
1020	3"	16mm	42mm	5/16 x 1½	13mm	100.013	110.013
1020	4"	17mm	42mm	5/16 x 1½	13mm	100.014	110.014
1020	5"	17mm	42mm	5/16 x 1½	13mm	100.015	110.015



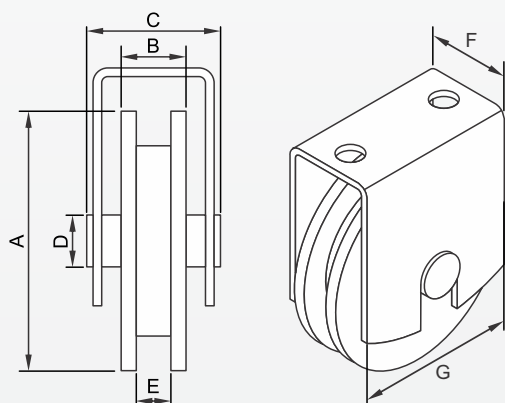
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "V" C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	5/16 x 1½	13mm	29mm	40mm	100.016	110.016
1020	2½"	16mm	42mm	5/16 x 1½	13mm	29mm	40mm	100.017	110.017
1020	3"	16mm	42mm	5/16 x 1½	13mm	29mm	50mm	100.018	110.018
1020	4"	17mm	42mm	5/16 x 1½	13mm	29mm	70mm	100.019	110.019



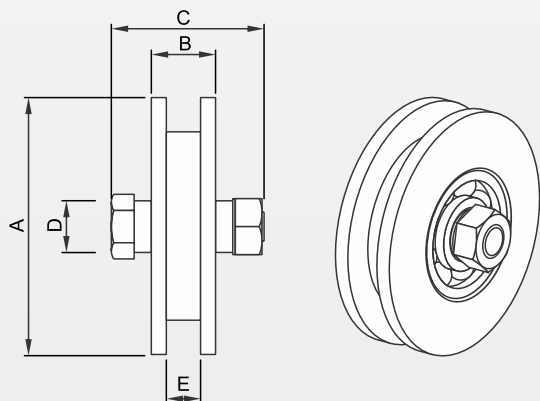
ROLDANA PARA PORTÃO COM PINO CANAL QUADRADO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	40mm	12mm	8mm	101.001	111.001
1020	2½"	16mm	40mm	12mm	8mm	101.002	111.002
1020	3"	16mm	40mm	15mm	8mm	101.003	111.003
1020	4"	17mm	40mm	15mm	8mm	101.004	111.004



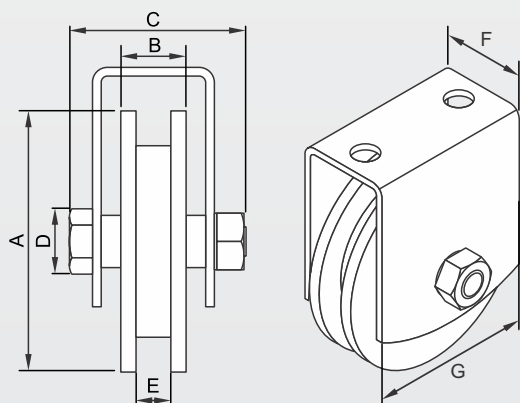
ROLDANA PARA PORTÃO COM PINO CANAL QUADRADO C/SUORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	12mm	8mm	29mm	40mm	101.006	111.006
1020	2½"	16mm	42mm	12mm	8mm	29mm	40mm	101.007	111.007
1020	3"	16mm	42mm	15mm	8mm	29mm	50mm	101.008	111.008
1020	4"	17mm	42mm	15mm	8mm	29mm	70mm	101.009	111.009



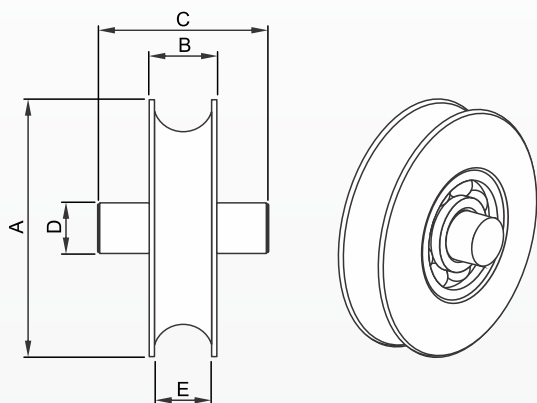
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL QUADRADO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	5/16 x 1½	8mm	101.011	111.011
1020	2½"	16mm	42mm	5/16 x 1½	8mm	101.012	111.012
1020	3"	16mm	42mm	5/16 x 1½	8mm	101.013	111.013
1020	4"	17mm	42mm	5/16 x 1½	8mm	101.014	111.014



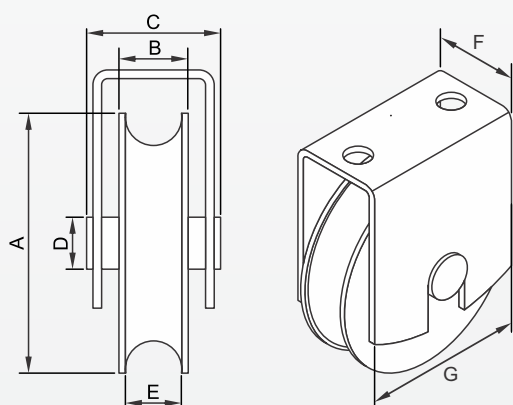
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL QUADRADO C/SUORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	5/16 x 1½	8mm	29mm	40mm	101.016	111.016
1020	2½"	16mm	42mm	5/16 x 1½	8mm	29mm	40mm	101.017	111.017
1020	3"	16mm	42mm	5/16 x 1½	8mm	29mm	50mm	101.018	111.018
1020	4"	17mm	42mm	5/16 x 1½	8mm	29mm	70mm	101.019	111.019



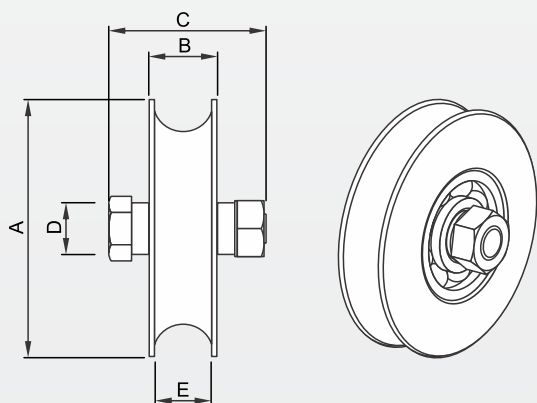
ROLDANA PARA PORTÃO
COM PINO CANAL "U" (Ferro 1/2")

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	40mm	12mm	13mm	102.001	112.001
1020	2½"	16mm	40mm	12mm	13mm	102.002	112.002
1020	3"	16mm	40mm	15mm	13mm	102.003	112.003
1020	4"	17mm	40mm	15mm	13mm	102.004	112.004



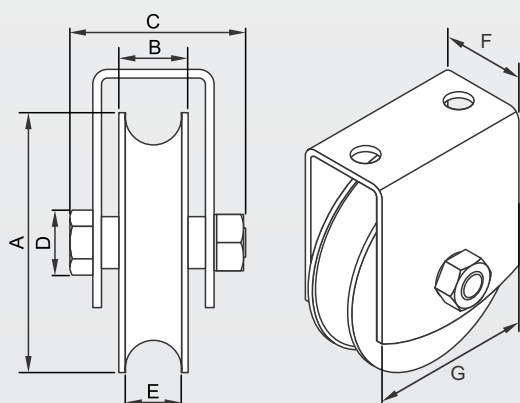
ROLDANA PARA PORTÃO COM PINO
CANAL "U" (Ferro 1/2") C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	12mm	13mm	29mm	40mm	102.006	112.006
1020	2½"	16mm	42mm	12mm	13mm	29mm	40mm	102.007	112.007
1020	3"	16mm	42mm	15mm	13mm	29mm	50mm	102.008	112.008
1020	4"	17mm	42mm	15mm	13mm	29mm	70mm	102.009	112.009



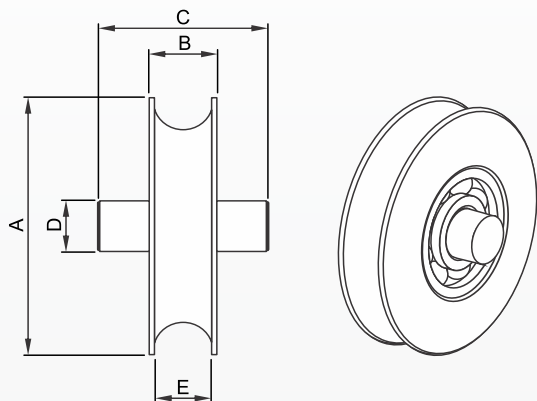
ROLDANA PARA PORTÃO COM
BUCHA E PARAFUSO CANAL "U" (Ferro 1/2")

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	5/16 x 1½	13mm	102.011	112.011
1020	2½"	16mm	42mm	5/16 x 1½	13mm	102.012	112.012
1020	3"	16mm	42mm	5/16 x 1½	13mm	102.013	112.013
1020	4"	17mm	42mm	5/16 x 1½	13mm	102.014	112.014



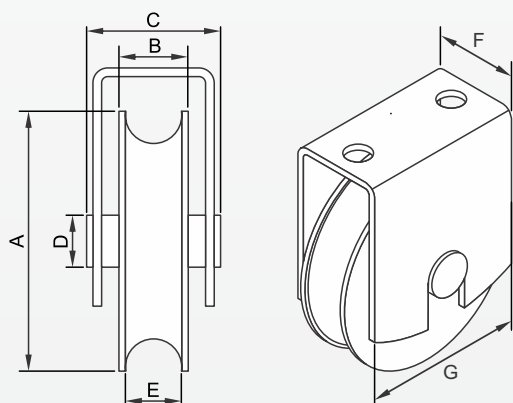
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO
CANAL "U" (Ferro 1/2") C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	16mm	42mm	5/16 x 1½	13mm	29mm	40mm	102.016	112.016
1020	2½"	16mm	42mm	5/16 x 1½	13mm	29mm	40mm	102.017	112.017
1020	3"	16mm	42mm	5/16 x 1½	13mm	29mm	50mm	102.018	112.018
1020	4"	17mm	42mm	5/16 x 1½	13mm	29mm	70mm	102.019	112.019



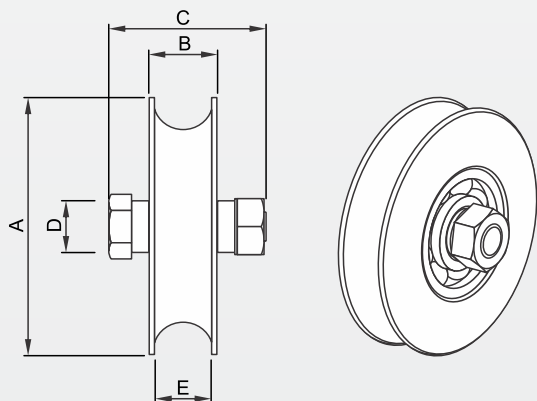
ROLDANA PARA PORTÃO COM PINO CANAL "U" (Ferro 5/8")

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	19mm	40mm	12mm	16mm	103.001	113.001
1020	2½"	19mm	40mm	12mm	16mm	103.002	113.002
1020	3"	19mm	40mm	15mm	16mm	103.003	113.003
1020	4"	19mm	40mm	15mm	16mm	103.004	113.004



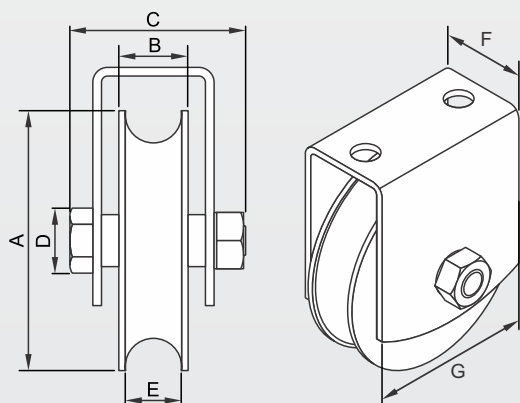
ROLDANA PARA PORTÃO COM PINO CANAL "U" (Ferro 5/8") C/SUPORE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	19mm	42mm	12mm	16mm	29mm	40mm	103.006	113.006
1020	2½"	19mm	42mm	12mm	16mm	29mm	40mm	103.007	113.007
1020	3"	19mm	42mm	15mm	16mm	29mm	50mm	103.008	113.008
1020	4"	19mm	42mm	15mm	16mm	29mm	70mm	103.009	113.009



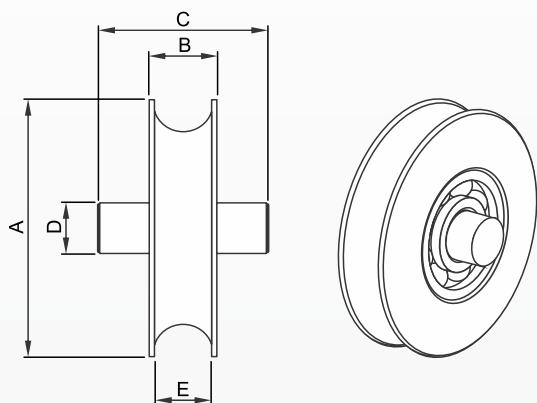
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "U" (Ferro 5/8")

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	19mm	42mm	5/16 x 1½	16mm	103.011	113.011
1020	2½"	19mm	42mm	5/16 x 1½	16mm	103.012	113.012
1020	3"	19mm	42mm	5/16 x 1½	16mm	103.013	113.013
1020	4"	19mm	42mm	5/16 x 1½	16mm	103.014	113.014



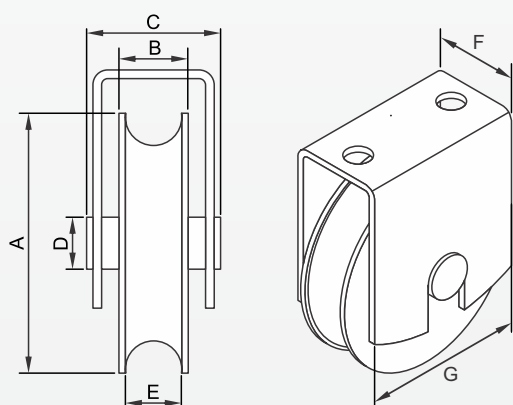
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "U" (Ferro 5/8") C/SUPORE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	19mm	42mm	5/16 x 1½	16mm	29mm	40mm	103.016	113.016
1020	2½"	19mm	42mm	5/16 x 1½	16mm	29mm	40mm	103.017	113.017
1020	3"	19mm	42mm	5/16 x 1½	16mm	29mm	50mm	103.018	113.018
1020	4"	19mm	42mm	5/16 x 1½	16mm	29mm	70mm	103.019	113.019



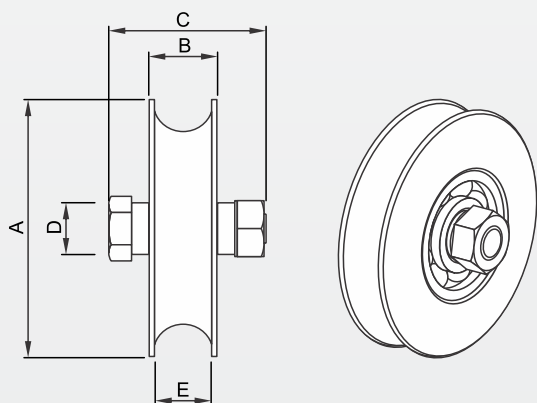
ROLDANA PARA PORTÃO COM PINO CANAL "U" (Ferro 3/4")

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	21mm	50mm	12mm	19mm	104.001	114.001
1020	2½"	21mm	50mm	12mm	19mm	104.002	114.002
1020	3"	21mm	50mm	15mm	19mm	104.003	114.003
1020	4"	21mm	50mm	15mm	19mm	104.004	114.004



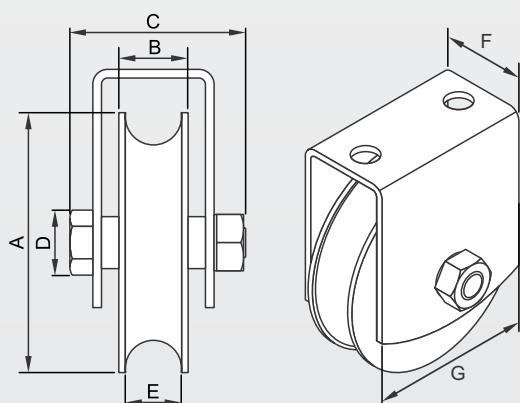
ROLDANA PARA PORTÃO COM PINO CANAL "U" (Ferro 3/4") C/SUPORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	21mm	42mm	12mm	19mm	29mm	40mm	104.006	114.006
1020	2½"	21mm	42mm	12mm	19mm	29mm	40mm	104.007	114.007
1020	3"	21mm	42mm	15mm	19mm	29mm	50mm	104.008	114.008
1020	4"	21mm	42mm	15mm	19mm	29mm	70mm	104.009	114.009



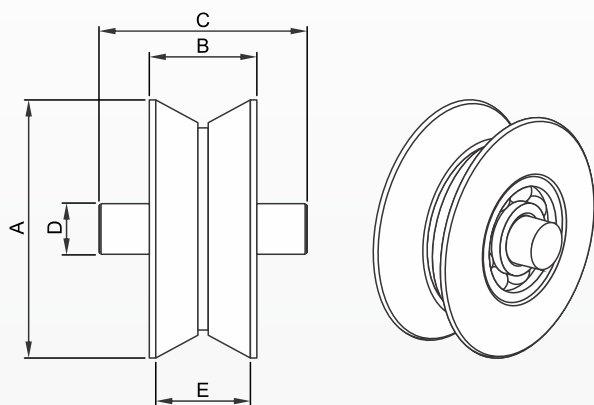
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "U" (Ferro 3/4")

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	21mm	42mm	5/16 x 1½	19mm	104.011	114.011
1020	2½"	21mm	42mm	5/16 x 1½	19mm	104.012	114.012
1020	3"	21mm	42mm	5/16 x 1½	19mm	104.013	114.013
1020	4"	21mm	42mm	5/16 x 1½	19mm	104.014	114.014



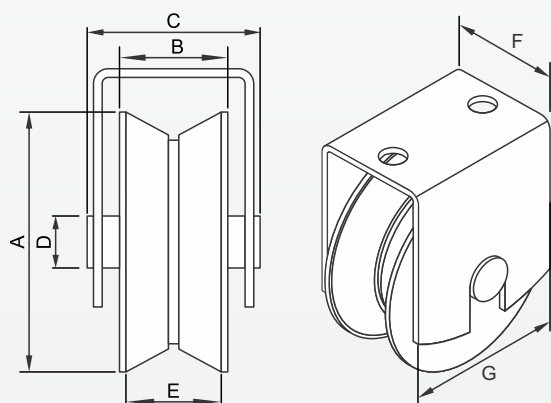
ROLDANA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "U" (Ferro 3/4") C/SUPORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	21mm	42mm	5/16 x 1½	19mm	29mm	40mm	104.016	114.016
1020	2½"	21mm	42mm	5/16 x 1½	19mm	29mm	40mm	104.017	114.017
1020	3"	21mm	42mm	5/16 x 1½	19mm	29mm	50mm	104.018	114.018
1020	4"	21mm	42mm	5/16 x 1½	19mm	29mm	70mm	104.019	114.019



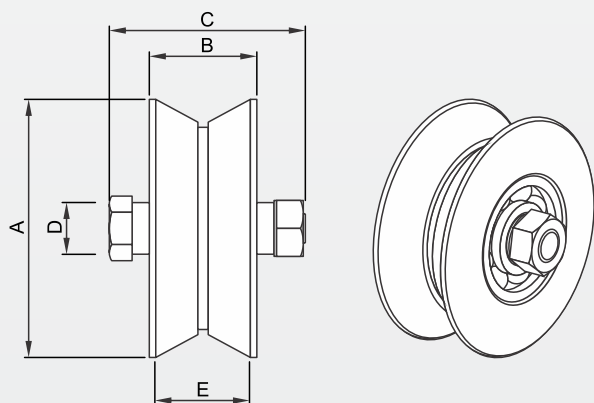
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "V" 1 ROLAMENTO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	50mm	12mm	19mm	150.001	160.001
1020	2½"	25mm	50mm	12mm	19mm	150.002	160.002
1020	3"	26mm	50mm	15mm	19mm	150.003	160.003
1020	4"	26mm	50mm	15mm	19mm	150.004	160.004



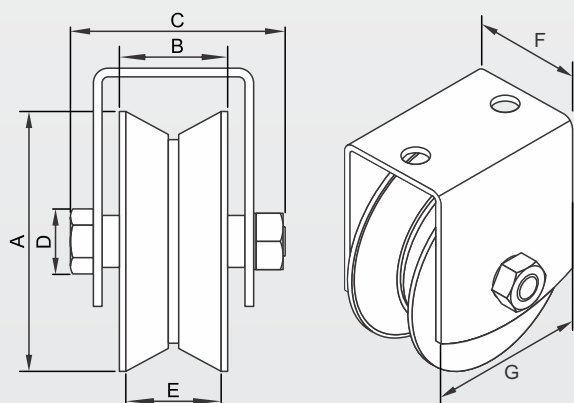
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "V" 1 ROLAMENTO C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	12mm	19mm	45mm	60mm	150.006	160.006
1020	2½"	25mm	55mm	12mm	19mm	45mm	60mm	150.007	160.007
1020	3"	26mm	55mm	15mm	19mm	45mm	60mm	150.008	160.008
1020	4"	26mm	55mm	15mm	19mm	45mm	70mm	150.009	160.009



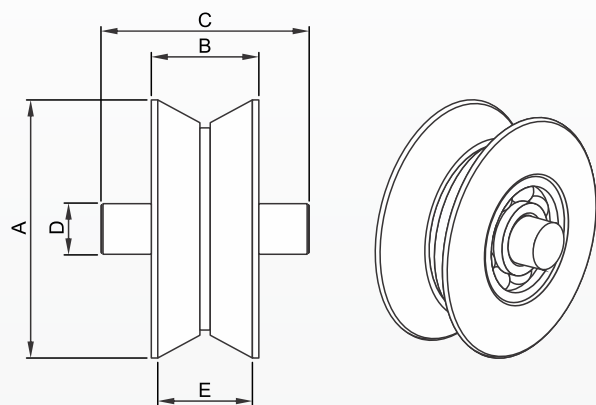
ROLDANA DUPLA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "V" 1 ROLAMENTO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	19mm	150.011	160.011
1020	2½"	25mm	55mm	5/16 x 2"	19mm	150.012	160.012
1020	3"	26mm	55mm	5/16 x 2"	19mm	150.013	160.013
1020	4"	26mm	55mm	5/16 x 2"	19mm	150.014	160.014



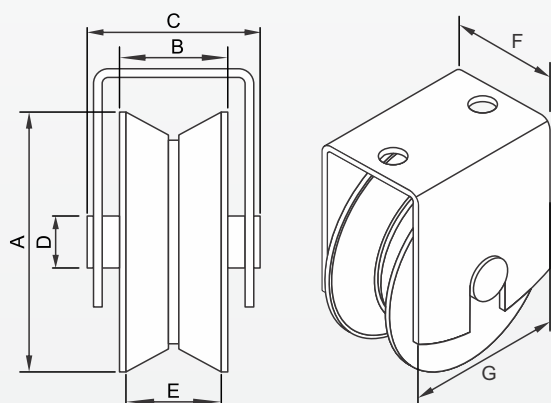
ROLDANA DUPLA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "V" 1 ROLAMENTO C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	19mm	45mm	60mm	150.016	160.016
1020	2½"	25mm	55mm	5/16 x 2"	19mm	45mm	60mm	150.017	160.017
1020	3"	26mm	55mm	5/16 x 2"	19mm	45mm	60mm	150.018	160.018
1020	4"	26mm	55mm	5/16 x 2"	19mm	45mm	70mm	150.019	160.019



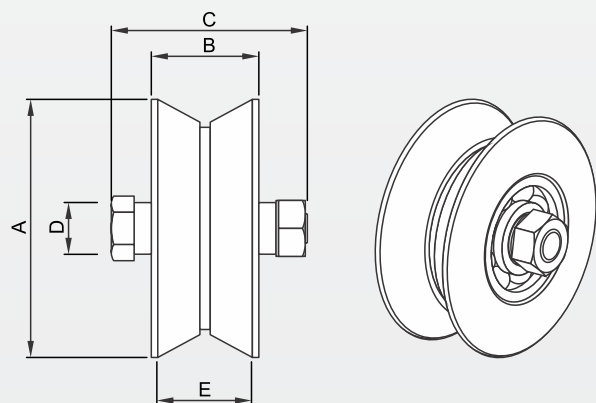
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "V" 2 ROLAMENTOS

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	50mm	12mm	19mm	155.001	165.001
1020	2½"	25mm	50mm	12mm	19mm	155.002	165.002
1020	3"	26mm	50mm	15mm	19mm	155.003	165.003
1020	4"	26mm	50mm	15mm	19mm	155.004	165.004



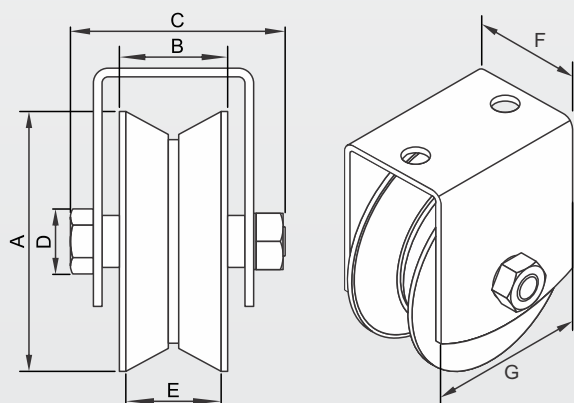
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "V" 2 ROLAMENTOS C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	12mm	19mm	45mm	60mm	155.006	165.006
1020	2½"	25mm	55mm	12mm	19mm	45mm	60mm	155.007	165.007
1020	3"	26mm	55mm	15mm	19mm	45mm	60mm	155.008	165.008
1020	4"	26mm	55mm	15mm	19mm	45mm	70mm	155.009	165.009



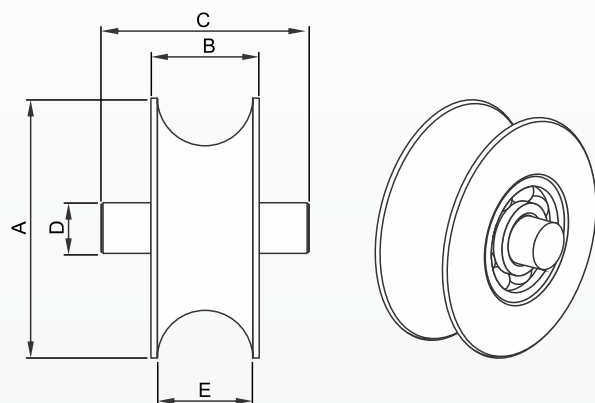
ROLDANA DUPLA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "V" 2 ROLAMENTOS

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	19mm	155.011	165.011
1020	2½"	25mm	55mm	5/16 x 2"	19mm	155.012	165.012
1020	3"	26mm	55mm	5/16 x 2"	19mm	155.013	165.013
1020	4"	26mm	55mm	5/16 x 2"	19mm	155.014	165.014



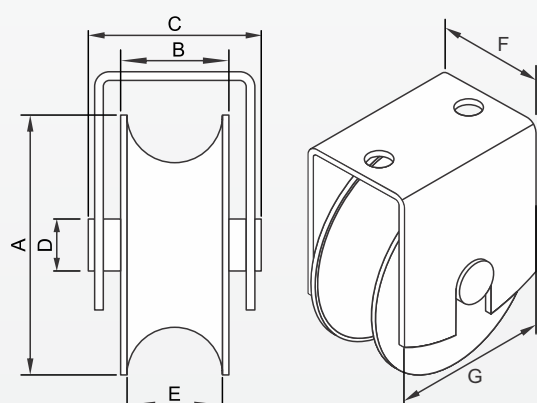
ROLDANA DUPLA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "V" 2 ROLAMENTOS C/SUPOORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	19mm	45mm	60mm	155.016	165.016
1020	2½"	25mm	55mm	5/16 x 2"	19mm	45mm	60mm	155.017	165.017
1020	3"	26mm	55mm	5/16 x 2"	19mm	45mm	60mm	155.018	165.018
1020	4"	26mm	55mm	5/16 x 2"	19mm	45mm	70mm	155.019	165.019



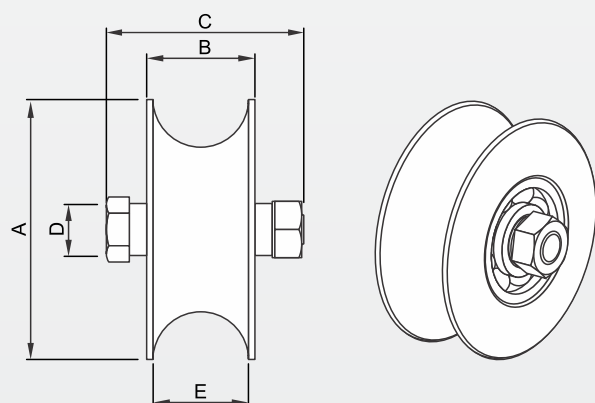
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "U" (Tubo 1/2") 1 ROLAMENTO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	50mm	12mm	22mm	152.001	162.001
1020	2½"	25mm	50mm	12mm	22mm	152.002	162.002
1020	3"	26mm	50mm	15mm	22mm	152.003	162.003
1020	4"	26mm	50mm	15mm	22mm	152.004	162.004



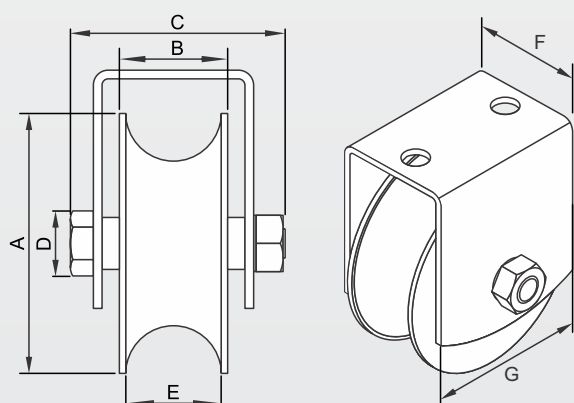
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "U" (Tubo 1/2") 1 ROLAMENTO C/SUORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	12mm	22mm	45mm	60mm	152.006	162.006
1020	2½"	25mm	55mm	12mm	22mm	45mm	60mm	152.007	162.007
1020	3"	26mm	55mm	15mm	22mm	45mm	60mm	152.008	162.008
1020	4"	26mm	55mm	15mm	22mm	45mm	70mm	152.009	162.009



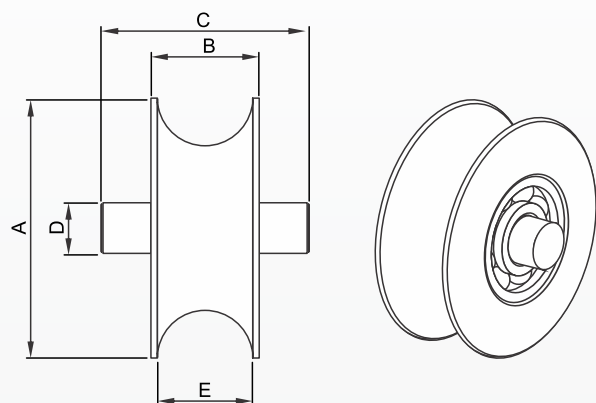
ROLDANA DUPLA PARA PORTÃO COM BUCHA E PARAFUSO CANAL "U" (Tubo 1/2") 1 ROLAMENTO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	22mm	152.011	162.011
1020	2½"	25mm	55mm	5/16 x 2"	22mm	152.012	162.012
1020	3"	26mm	55mm	5/16 x 2"	22mm	152.013	162.013
1020	4"	26mm	55mm	5/16 x 2"	22mm	152.014	162.014



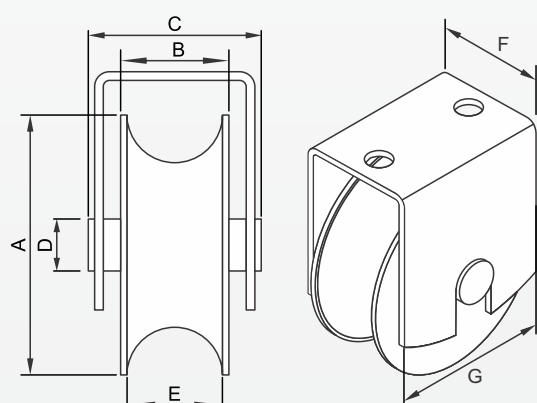
ROLDANA DUPLA PARA PORTÃO C/BUCHA E PARAFUSO CANAL "U" (Tubo 1/2") 1 ROLAMENTO C/SUORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	22mm	45mm	60mm	152.016	162.016
1020	2½"	25mm	55mm	5/16 x 2"	22mm	45mm	60mm	152.017	162.017
1020	3"	26mm	55mm	5/16 x 2"	22mm	45mm	60mm	152.018	162.018
1020	4"	26mm	55mm	5/16 x 2"	22mm	45mm	70mm	152.019	162.019



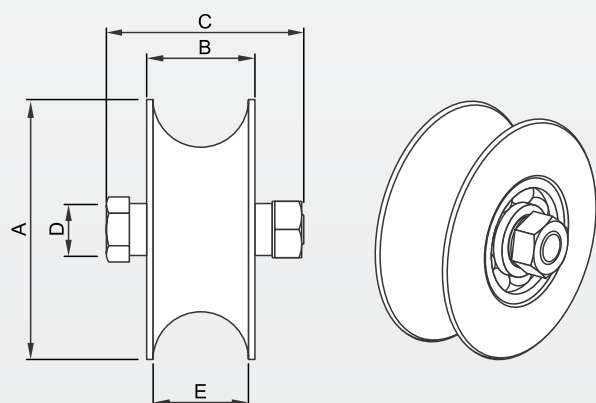
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "U" (Tubo 1/2") 2 ROLAMENTOS

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	50mm	12mm	22mm	157.001	167.001
1020	2½"	25mm	50mm	12mm	22mm	157.002	167.002
1020	3"	26mm	50mm	15mm	22mm	157.003	167.003
1020	4"	26mm	50mm	15mm	22mm	157.004	167.004



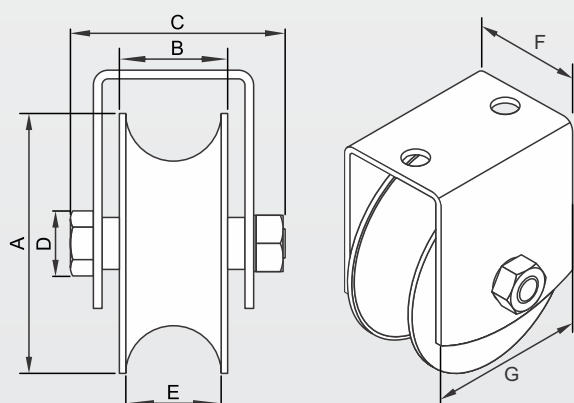
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "U" (Tubo 1/2") 2 ROLAMENTOS C/SUORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	12mm	22mm	45mm	60mm	157.006	167.006
1020	2½"	25mm	55mm	12mm	22mm	45mm	60mm	157.007	167.007
1020	3"	26mm	55mm	15mm	22mm	45mm	60mm	157.008	167.008
1020	4"	26mm	55mm	15mm	22mm	45mm	70mm	157.009	167.009



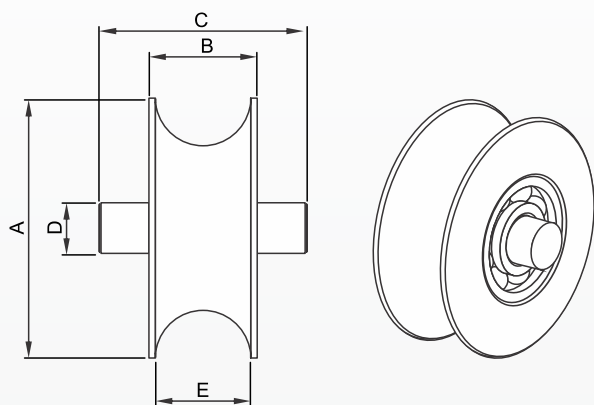
ROLDANA DUPLA PARA PORTÃO C/BUCHA E PARAFUSO CANAL "U" (Tubo 1/2") 2 ROLAMENTOS

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	22mm	157.011	167.011
1020	2½"	25mm	55mm	5/16 x 2"	22mm	157.012	167.012
1020	3"	26mm	55mm	5/16 x 2"	22mm	157.013	167.013
1020	4"	26mm	55mm	5/16 x 2"	22mm	157.014	167.014



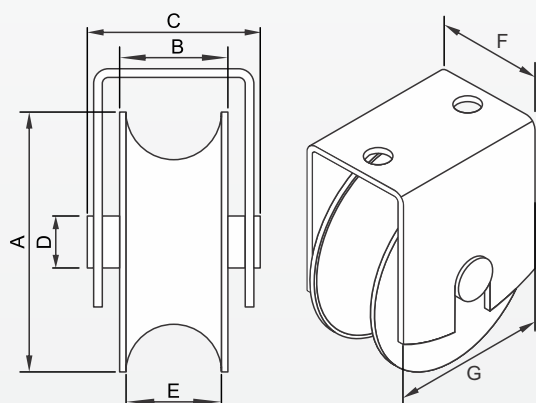
ROLDANA DUPLA PARA PORTÃO C/BUCHA E PARAFUSO CANAL "U" (Tubo 1/2") 2 ROLAMENTOS C/SUORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2"	25mm	55mm	5/16 x 2"	22mm	45mm	60mm	157.016	167.016
1020	2½"	25mm	55mm	5/16 x 2"	22mm	45mm	60mm	157.017	167.017
1020	3"	26mm	55mm	5/16 x 2"	22mm	45mm	60mm	157.018	167.018
1020	4"	26mm	55mm	5/16 x 2"	22mm	45mm	70mm	157.019	167.019



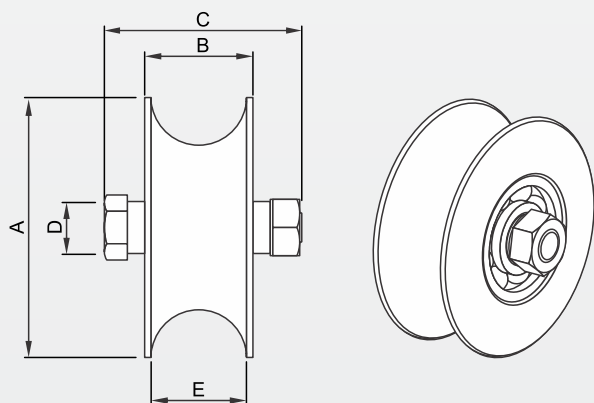
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "U" (Tubo ¾") 2 ROLAMENTOS

MAT	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2½"	28mm	50mm	12mm	27mm	158.002	168.002
1020	3"	28mm	50mm	15mm	27mm	158.003	168.003
1020	4"	28mm	50mm	15mm	27mm	158.004	168.004



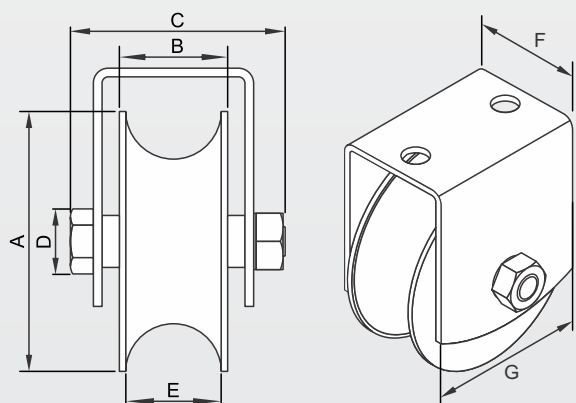
ROLDANA DUPLA PARA PORTÃO COM PINO CANAL "U" (Tubo ¾") 2 ROLAMENTOS C/SUPORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2½"	28mm	55mm	12mm	27mm	45mm	60mm	158.007	168.007
1020	3"	28mm	55mm	15mm	27mm	45mm	60mm	158.008	168.008
1020	4"	28mm	55mm	15mm	27mm	45mm	70mm	158.009	168.009



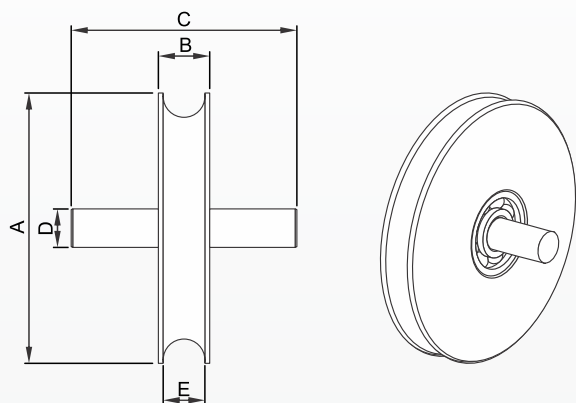
ROLDANA DUPLA PARA PORTÃO C/BUCHA E PARAFUSO CANAL "U" (Tubo ½") 2 ROLAMENTOS

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2½"	28mm	55mm	5/16 x 2"	27mm	158.012	168.012
1020	3"	28mm	55mm	5/16 x 2"	27mm	158.013	168.013
1020	4"	28mm	55mm	5/16 x 2"	27mm	158.014	168.014



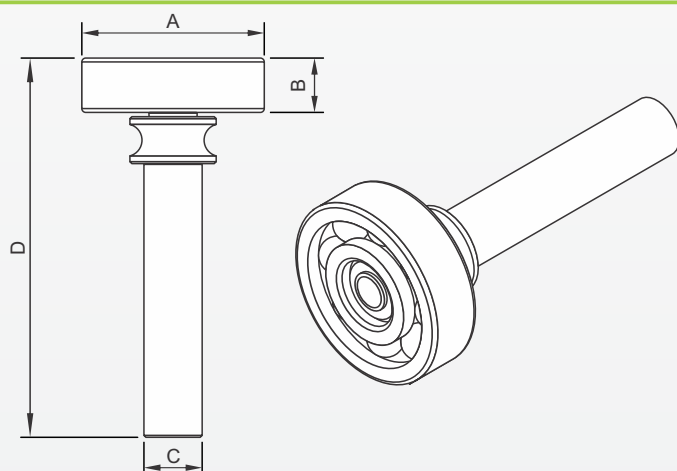
ROLDANA DUPLA PARA PORTÃO C/BUCHA E PARAFUSO CANAL "U" (Tubo ¾") 2 ROLAMENTOS C/SUPORTE

MAT.	A	B	C	D	E	F	G	AÇO POLIDO	ZINC. BRANCO
1020	2½"	25mm	55mm	5/16 x 2"	22mm	45mm	60mm	158.017	168.017
1020	3"	26mm	55mm	5/16 x 2"	22mm	45mm	60mm	158.018	168.018
1020	4"	26mm	55mm	5/16 x 2"	22mm	45mm	70mm	158.019	168.019



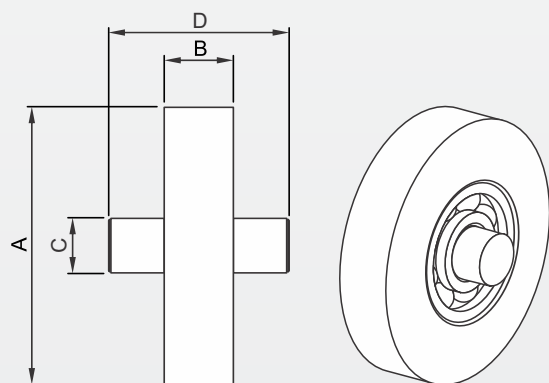
ROLDANA PARA PORTÃO DE ELEVAÇÃO CANAL "U" CABO DE AÇO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2½"	15mm	50mm	12mm	11mm	200.002	201.002
1020	3"	15mm	75mm	15mm	11mm	200.003	201.003
1020	4"	15mm	85mm	15mm	11mm	200.004	201.004
1020	120mm	15mm	85mm	15mm	11mm	200.001	201.001
1020	5"	16mm	85mm	15mm	11mm	200.005	201.005



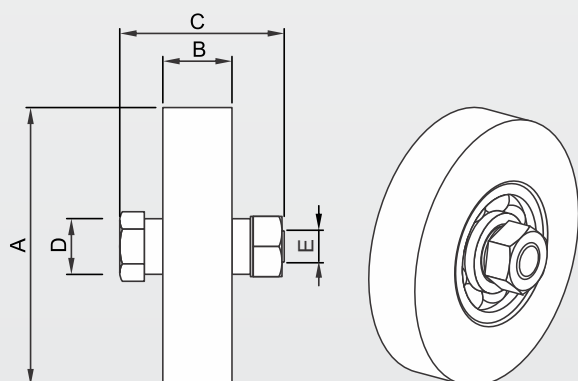
ROLDANA GUIA COM ANEL PARA PORTA DE ELEVAÇÃO CONTRA-PESO C/ROLAMENTO

MAT.	A	B	C	D	AÇO POLIDO	NYLON
1020	47mm	14mm	15mm	95mm	210.001	213.001
1020	68mm	15,5mm	15mm	95mm	210.002	-
1020	70mm	15,5mm	15mm	95mm	210.003	213.003
1020	75mm	15,5mm	15mm	95mm	210.004	213.004



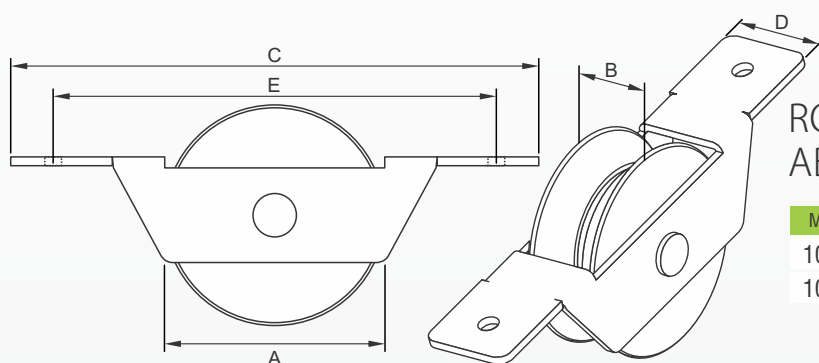
ROLDANA LISA COM PINO

MAT.	A	B	C	D	AÇO POLIDO	ZINC. BRANCO
1020	2"	19mm	12mm	40mm	220.001	221.001
1020	2½"	19mm	12mm	40mm	220.002	221.002
1020	3"	19mm	15mm	40mm	220.003	221.003
1020	4"	19mm	15mm	40mm	220.004	221.004



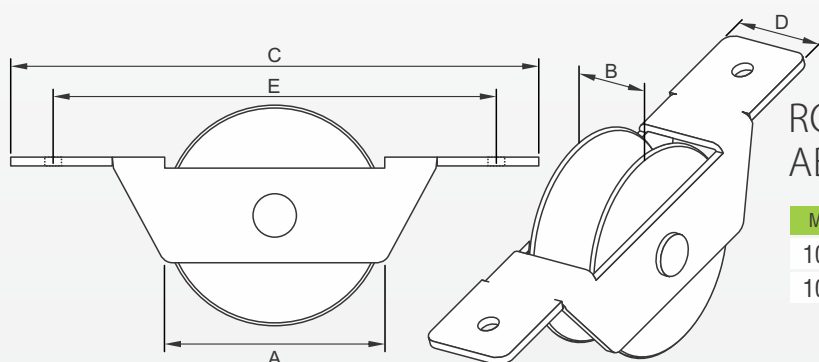
ROLDANA LISA BUCHA E PARAFUSO

MAT.	A	B	C	D	E	AÇO POLIDO	ZINC. BRANCO
1020	2"	19mm	12mm	25mm	5/16	220.011	221.011
1020	2½"	19mm	12mm	25mm	5/16	220.012	221.012
1020	3"	19mm	15mm	25mm	5/16	220.013	221.013
1020	4"	19mm	15mm	25mm	5/16	220.014	221.014



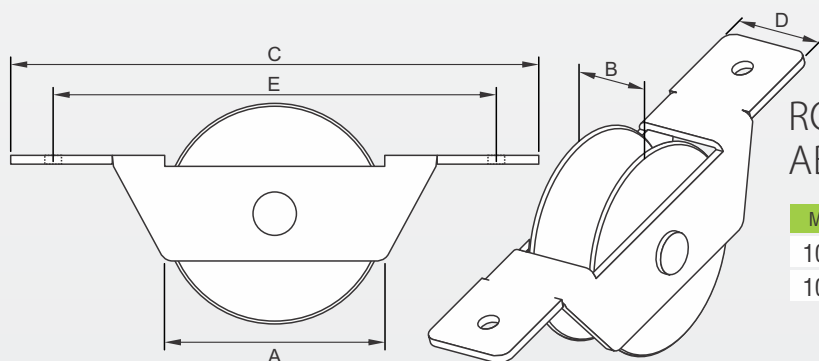
ROLDANA PARA PORTÃO C/CAIXA
ABERTA CANAL "V"

MAT.	A	B	C	D	E	ZINC. BRANCO
1020	2"	18mm	115mm	23mm	100mm	231.001
1020	2½"	18mm	115mm	23mm	100mm	231.002



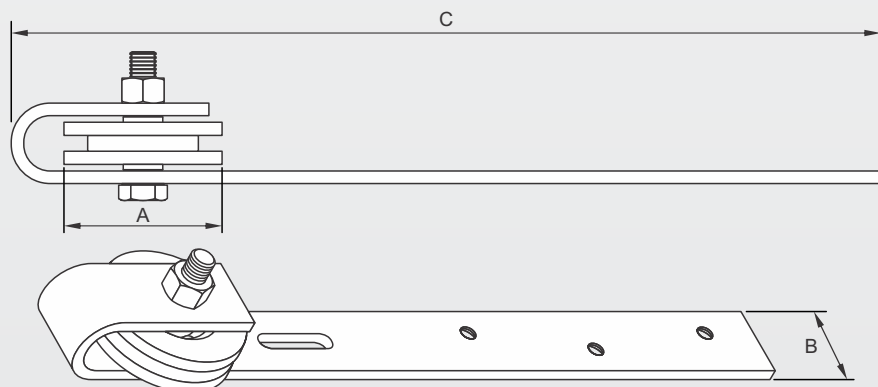
ROLDANA PARA PORTÃO C/CAIXA
ABERTA CANAL "U" (Ferro 1/2")

MAT.	A	B	C	D	E	ZINC. BRANCO
1020	2"	18mm	115mm	23mm	100mm	241.001
1020	2½"	18mm	115mm	23mm	100mm	241.002



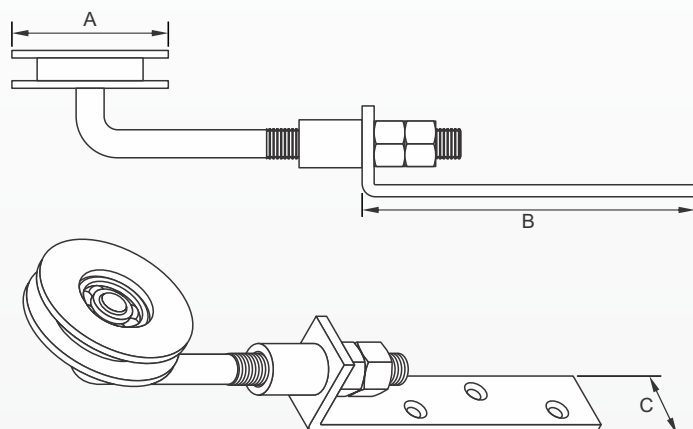
ROLDANA PARA PORTÃO C/CAIXA
ABERTA CANAL "U" (Ferro 5/8")

MAT.	A	B	C	D	E	ZINC. BRANCO
1020	2"	19mm	115mm	23mm	100mm	251.001
1020	2½"	19mm	115mm	23mm	100mm	251.002



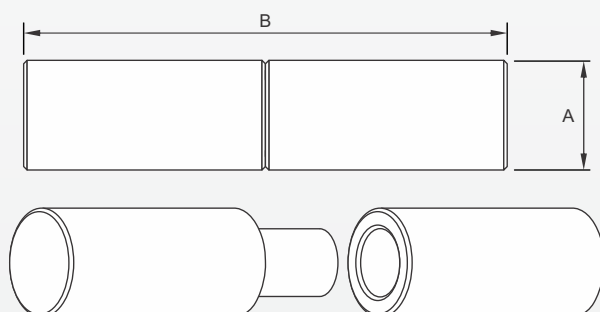
ROLDANA PARA
PORTA DE CORRER
COM HASTE FIXA

MAT.	A	B	C	ZINC. BRANCO
1020	2"	1"	210mm	261.001
1020	2½"	1¼"	330mm	261.002
1020	3"	1¼"	330mm	261.003



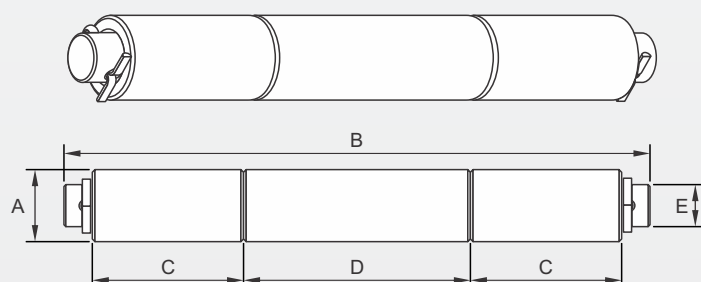
ROLDANA COM HASTE GIRATÓRIA

MAT.	A	B	C	ZINC. AMARELO
1020	2"	140mm	1"	272.001
1020	2½"	140mm	1"	272.002



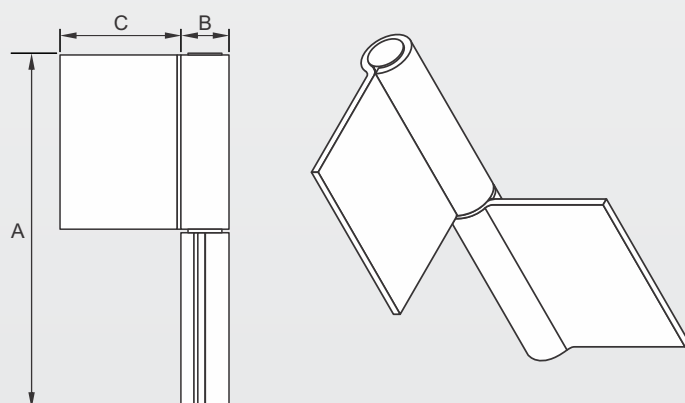
DOBRADIÇA PINO GONZO

MAT.	A	B	AÇO POLIDO
1020	3/8"	50mm	300.001
1020	½"	55mm	300.002
1020	5/8"	70mm	300.003
1020	¾"	80mm	300.004
1020	7/8"	90mm	300.005
1020	1"	110mm	300.006



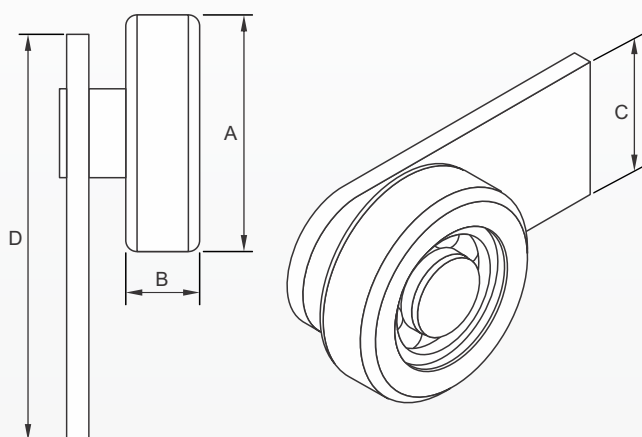
DOBRADIÇA TRIPLA PARA PORTÃO DE ELEVÇÃO

MAT.	A	B	C	D	E	AÇO POLIDO
1020	¾"	150mm	39mm	58mm	7/16"	310.004
1020	7/8"	150mm	39mm	58mm	½"	310.005
1020	1"	150mm	39mm	58mm	½"	310.006



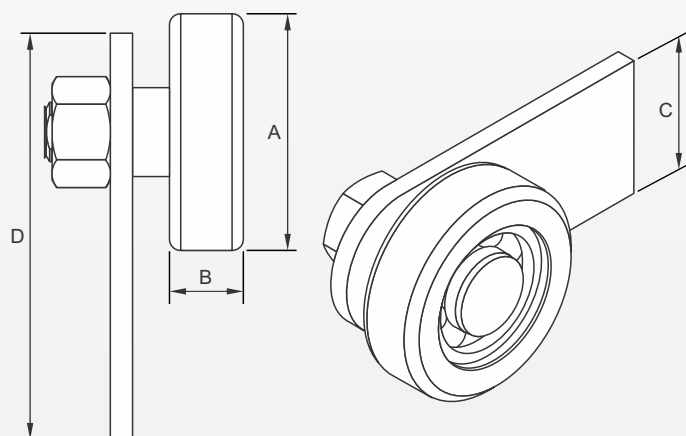
DOBRADIÇA DE CHAPA

MAT.	A	B	C	AÇO POLIDO
1020	100mm	15mm	37mm	320.001



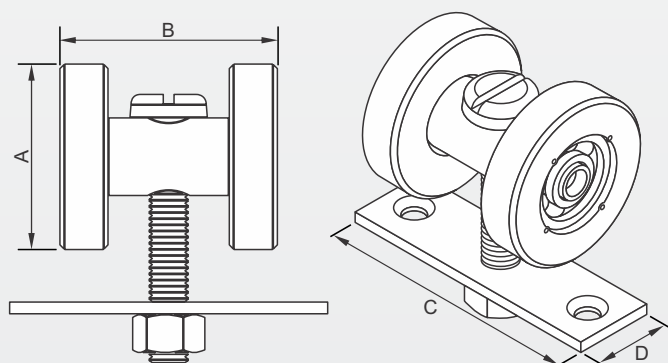
RODÍZIO FIXO

MAT.	A	B	C	D	AÇO POLIDO	ZINC. BRANCO
1020	1¼"	6mm	22mm	55mm	400.001	401.001
1020	1½"	6mm	22mm	55mm	400.002	401.002
Nylon	1¼"	55mm	22mm	10mm	400.011	401.011
Nylon	1½"	55mm	22mm	10mm	400.012	401.012



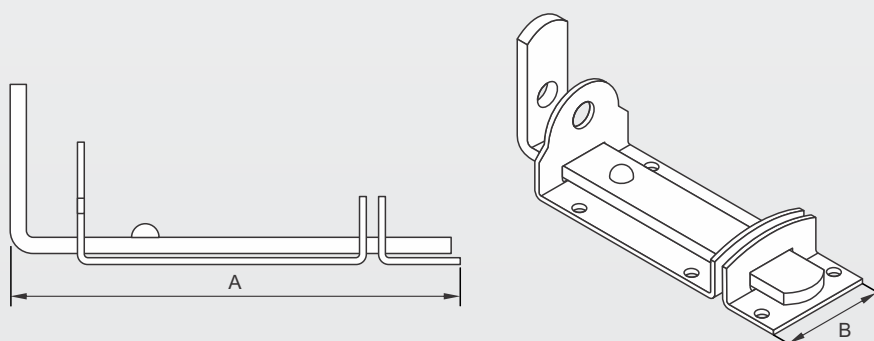
RODÍZIO REGULÁVEL

MAT.	A	B	C	D	AÇO POLIDO	ZINC. BRANCO
1020	1¼"	6mm	22mm	55mm	410.001	411.001
1020	1½"	6mm	22mm	55mm	410.002	411.002
Nylon	1¼"	55mm	22mm	10mm	410.011	411.011
Nylon	1½"	55mm	22mm	10mm	410.012	411.012



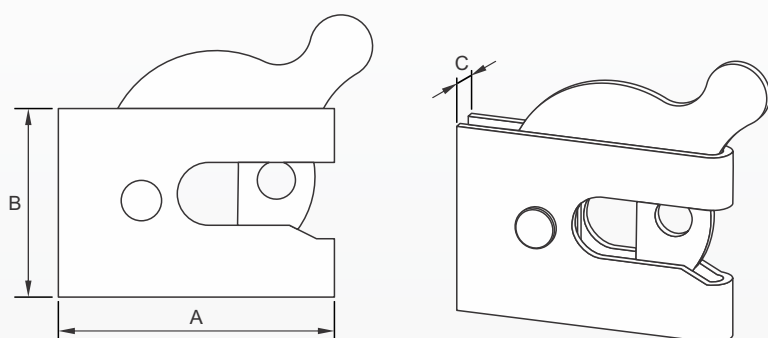
RODÍZIO DUPLO

MAT.	A	B	C	D	AÇO POLIDO	ZINC. BRANCO
1020	1½"	44mm	70mm	19mm	420.002	421.002
Rol. 6203	40mm	42mm	70mm	19mm	420.003	421.003
Nylon	1½"	44mm	70mm	19mm	420.012	421.012



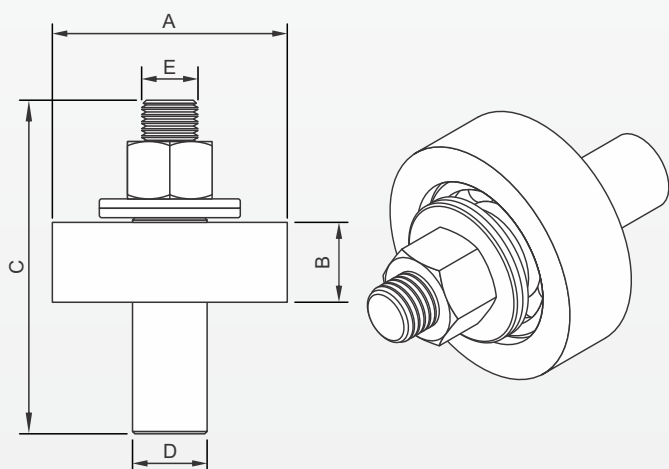
FECHO PARA PORTÃO

MAT.	A	B	ZINC. AMARELO
1020	125mm	40mm	452.001



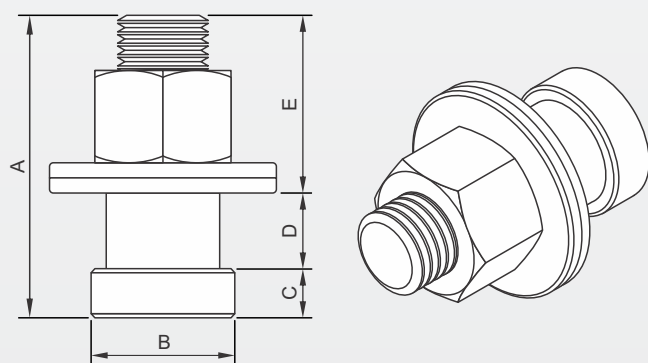
BICO DE PAPAGAIO
(BATE E FECHA)

MAT.	A	B	C	AÇO POLIDO
1020	60mm	42mm	9mm	460.001



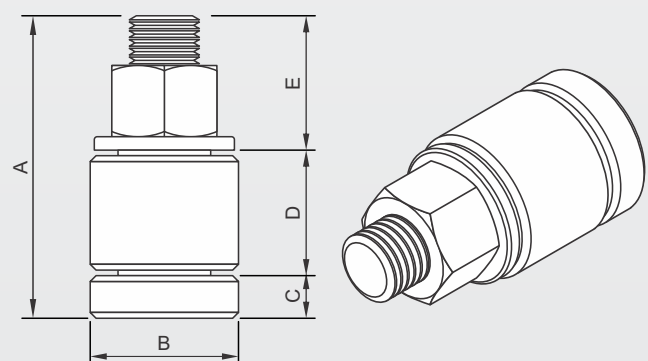
MANCAL
PARA PORTA DE ELEVAÇÃO
CONTRA-PESO

MAT.	A	B	C	D	E	AÇO POLIDO
1020	50mm	17mm	70mm	5/8"	½UNF	470.001



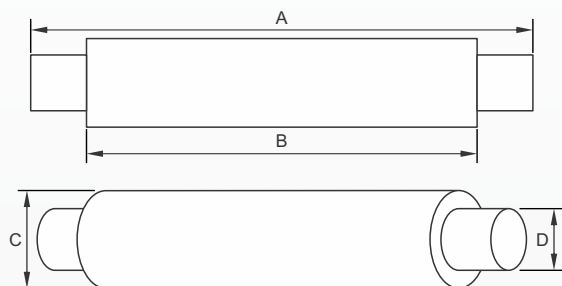
PARAFUSO
PARA PORTA DE ELEVAÇÃO
CONTRA-PESO

MAT.	A	B	C	D	E	AÇO POLIDO
1020	50mm	3/4"	6mm	10mm	23mm	480.001



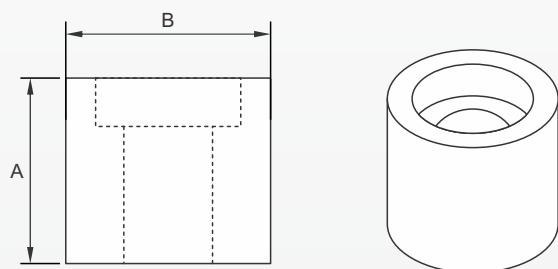
PARAFUSO COM BUCHA
PARA PORTA DE ELEVAÇÃO
CONTRA-PESO

MAT.	A	B	C	D	E	ZINC. BRANCO
1020	50mm	7/8"	6mm	20mm	20mm	491.001



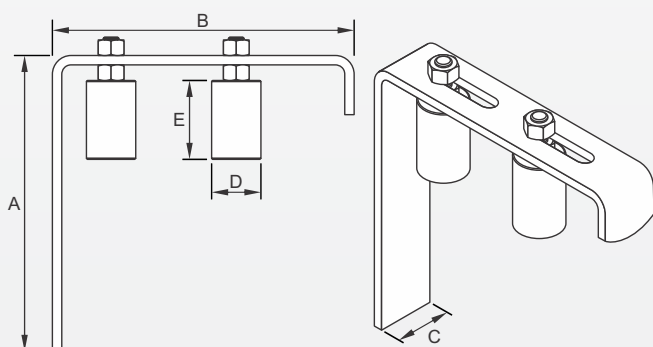
PINO PANTOGRÁFICO

MAT.	A	B	C	D	AÇO POLIDO
1020	45mm	35mm	5/16"	5mm	500.001



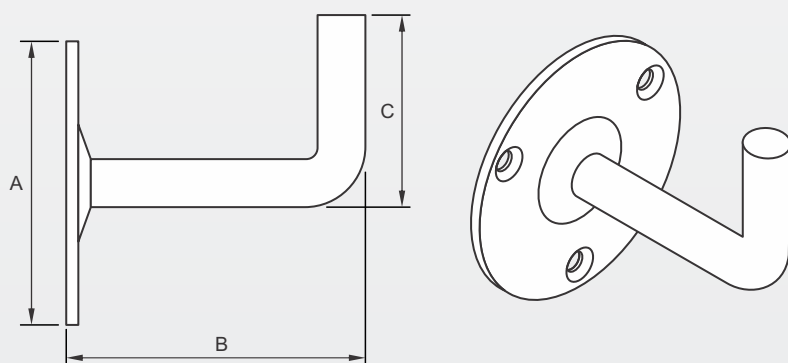
BUCHA PARA PANTOGRÁFICA ESCARIADA

MAT.	A	B	AÇO POLIDO
1020	11,5mm	1/2"	510.001



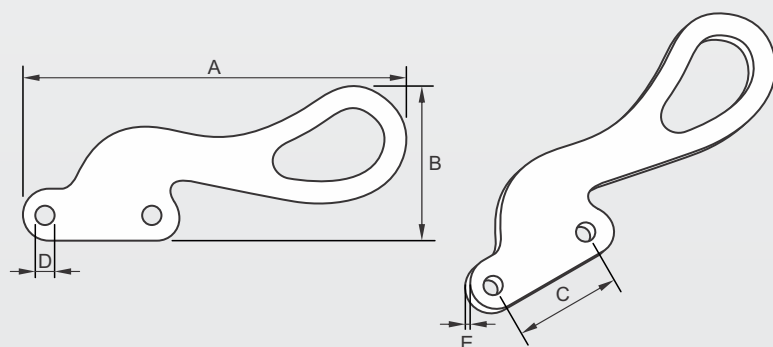
GUIA PARA PORTÃO COM 2 ROLETES

MAT.	A	B	C	D	E	AÇO POLIDO
1020	169mm	155mm	31mm	25mm	33mm	520.001



SUPORE PARA CORRIMÃO

MAT.	A	B	C	ZINC. BRANCO
1020	75mm	78mm	50mm	531.001



ALAVANCA PARA JANELA BASCULANTE

MAT.	A	B	C	D	E	ZINC. BRANCO
1020	125mm	80mm	35mm	5,5mm	2,65mm	541.001
1020	145mm	54mm	35mm	5,5mm	2,65mm	541.002



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