



ELEMENTY PROWADZĄCE DO TŁOCZNIKÓW

GUIDE ELEMENTS FOR DIES



PRZEWODNIK DOBORU SŁUPÓW I TULEI PROWADZĄCYCH

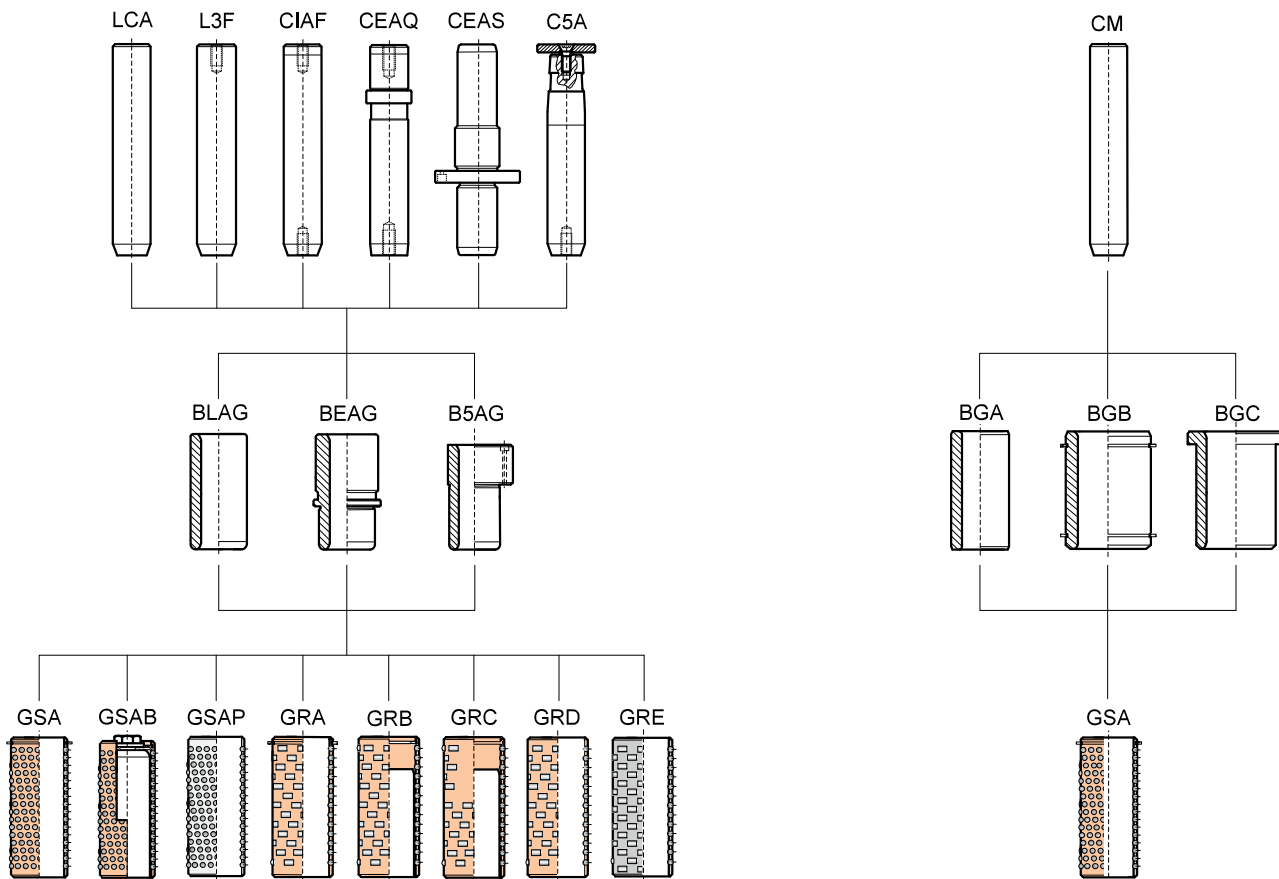
PAIRING GUIDE

ISO - PROWADZENIA Z KOSZYKAMI

ISO - BALL AND ROLLER GUIDES

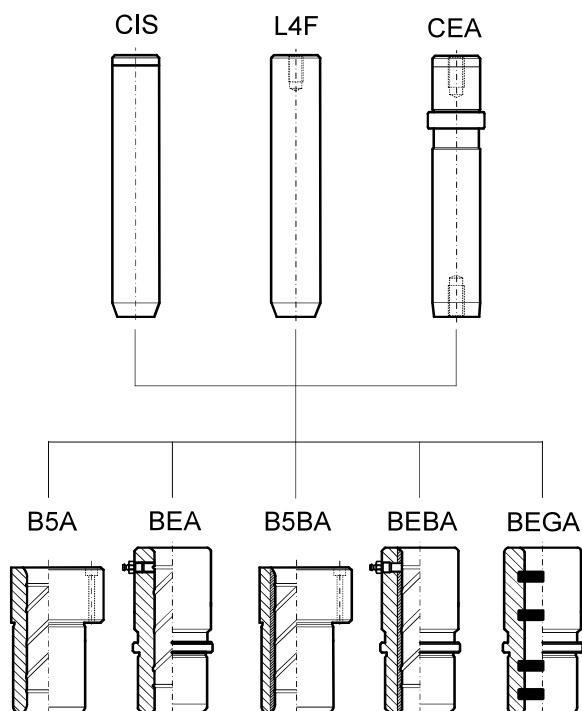
ISO - MAŁE WYMIARY

ISO - MINIATURE



ISO - PROWADZENIA ŚLIZGOWE

ISO - SLIDING GUIDES



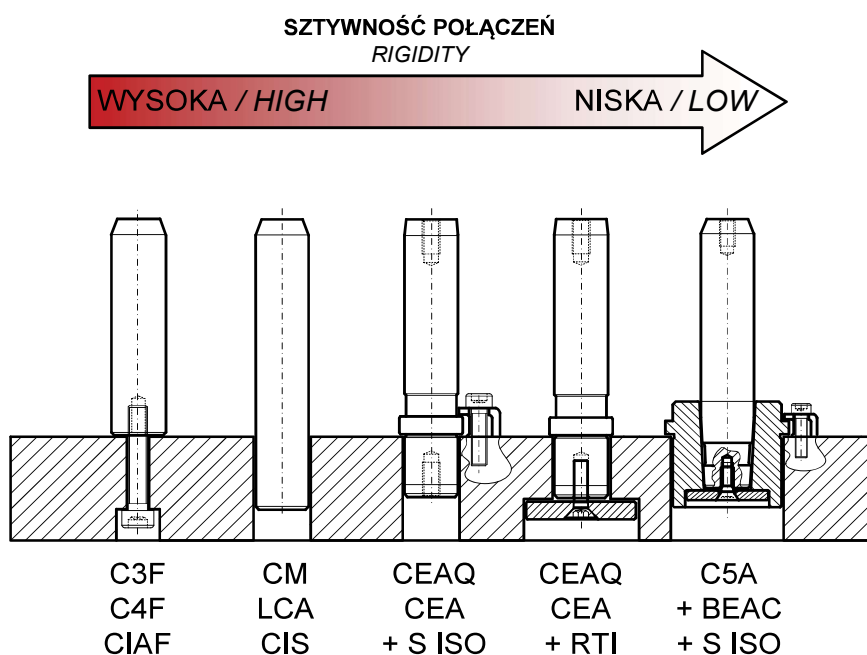
PRZEWODNIK DOBORU SŁUPÓW I TULEI PROWADZĄCYCH

PAIRING GUIDE

TYP ITEM TYPE	SYMBOL FAMILY CODE	TOLERANCJA TOLERANCE			V MAX (m/min)	SIŁY BOCZNE SIDE FORCE			
		Ø OTWÓR W PŁYCIE PLATE HOLE	Ø CZĘŚĆ MONTAŻOWA MOUNTING SIDE	Ø CZĘŚĆ ŚLIZGOWA SLIDING					
Słup Pillar 	LCA	-0,015 / -0,025	h3	h3	...	...			
	L3F	...	...						
	CIAF	-0,015 / -0,025	h3						
	CEAQ	H5	js4						
	CEAS								
	C5A	...	...						
	CM	-0,015 / -0,025	h3						
	CIS	-0,015 / -0,025	h4	h4					
	L4F	...	...						
CEA	H5	js4							
Tuleja Bush 	BLAG + KOSZYK KULKOWY	H5	js4	...	Szybka (60-100) High	Niskie Low			
	BEAG + KOSZYK KULKOWY	H6							
	B5AG + KOSZYK KULKOWY	H5			...				
	BLAG + KOSZYK WAŁECZKOWY								
	BEAG + KOSZYK WAŁECZKOWY	H6					Średnia (20-60) Medium		
	B5AG + KOSZYK WAŁECZKOWY	H5	h6	Szybka (60-100) High					
	BAS								
	BBS								
	BCS								
	B5A			H5	h6	...			
	BEA	H6	Średnia (20-60) Medium				Średnie Medium		
	B5BA	H5							
	BEBA	H6						js4	G5
	BEGA								

ISO - OPCJE MONTAŻU I SZTYWNOŚĆ POŁĄCZEŃ

ISO - MOUNTING OPTIONS AND RIGIDITY

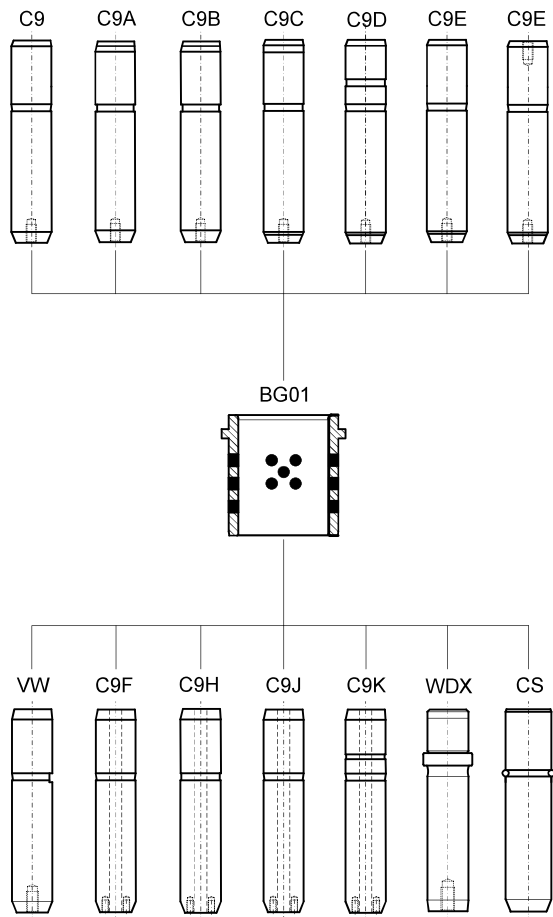


PRZEWODNIK DOBORU SŁUPÓW I TULEI PROWADZĄCYCH

PAIRING GUIDE

AUTO - PROWADZENIA ŚLIZGOWE

AUTO - SLIDING GUIDES



TYP ITEM TYPE	SYMBOL FAMILY CODE	TOLERANCJA TOLERANCE			V MAX (m/min)	SIŁY BOCZNE SIDE FORCE
		Ø OTWÓR W PŁYTCIE PLATE HOLE	Ø CZĘŚĆ MONTAŻOWA MOUNTING SIDE	Ø CZĘŚĆ ŚLIZGOWA SLIDING		
Słup Pillar 	C9	H7	r6	f6	...	...
	C9A			f6		
	C9B					
	C9C					
	C9D					
	C9E					
	VW					
	C9F					
	C9H					
	C9J					
	C9K					
	WDX					
CS	M6	h5	h5			
Tuleja Bush 	BG01	H7	h6	H7	Średnia (20-60) Medium	Średnie Medium

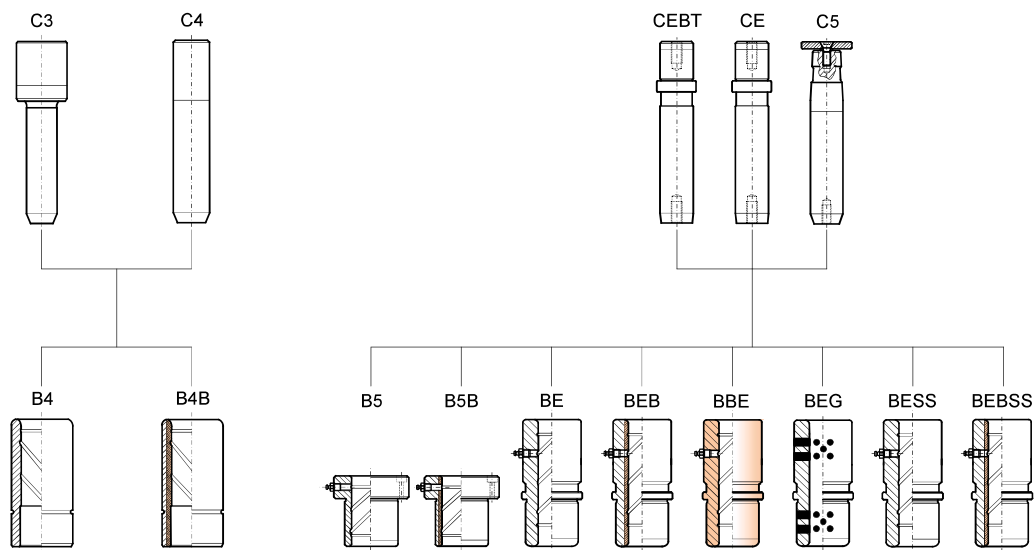
Elementy prowadzące do tłoczników

PRZEWODNIK DOBORU SŁUPÓW I TULEI PROWADZĄCYCH

PAIRING GUIDE

WŁOSKI - PROWADZENIA ŚLIZGOWE

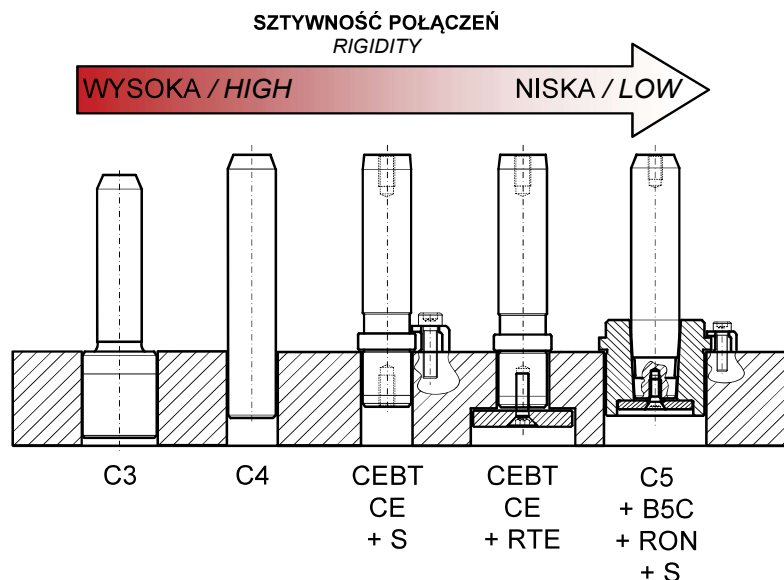
ITALIA - SLIDING GUIDES



TYP ITEM TYPE	SYMBOL FAMILY CODE	TOLERANCJA TOLERANCE			V MAX (m/min)	SIŁY BOCZNE SIDE FORCE
		Ø OTWÓR W PŁYCE PLATE HOLE	Ø CZĘŚĆ MONTAŻOWA MOUNTING SIDE	Ø CZĘŚĆ ŚLIZGOWA SLIDING		
 Słup Pillar	C3	H6	s6	h4	...	...
	C4		h4			
	CEBT		h4			
	CE		h4			
	C5	...	...	...	...	...
 Tuleja Bush	B4	H6	s6	sprawdź stronę produktu see item page	Niska / Low (0-20)	Wysokie / High
	B4B		s6	sprawdź stronę produktu see item page	Średnia / Medium (20-60)	Średnie / Medium
	B5		h4	+0,008 / +0,012	Niska / Low (0-20)	Wysokie / High
	B5B				Średnia / Medium (20-60)	Średnie / Medium
	BE			C5	Niska / Low (0-20)	Wysokie / High
	BEB				Średnia / Medium (20-60)	Średnie / Medium
	BBE				Średnia / Medium (20-60)	Średnie / Medium
	BEG	M6	h5	H6	Niska / Low (0-20)	Wysokie / High
	BESS	H6	k5	C5	Niska / Low (0-20)	Wysokie / High
	BEBSS				Średnia / Medium (20-60)	Średnie / Medium

WŁOSKI - OPCJE MONTAŻU I SZTYWNOŚĆ POŁĄCZEŃ

ITALIA - MOUNTING OPTIONS AND RIGIDITY



SŁUPY PROWADZĄCE
STRAIGHT GUIDE PILLARS
DIN 9825 / ISO 9182-2

CIS

Materiał / Material

1.7131

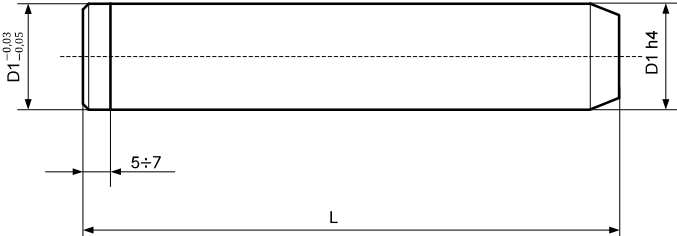
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: CIS30250

Inne wymiary na żądanie
Other dimensions on demand



Elementy prowadzące do tłoczników

Symbol	D1	Symbol	D1	L
CIS1590	15	CIS1690	16	90
CIS15100		CIS16100		100
CIS15112		CIS16112		112
CIS15125		CIS16125		125
CIS15140		CIS16140		140
CIS15160		CIS16160		160
CIS15180		CIS16180		180
CIS15200		CIS16200		200
CIS15224		CIS16224		224
CIS15250		CIS16250		250
		CIS18120	18	120
		CIS18130		130
		CIS18140		140
		CIS18150		150
		CIS18160		160
		CIS18170		170
		CIS18180		180
		CIS18190		190
		CIS18200		200
		CIS20100	20	100
CIS19100	19	CIS20112		112
CIS19112				120
CIS19120		CIS20125		125
CIS19125				130
CIS19130		CIS20140		140
CIS19140				150
CIS19150		CIS20160		160
CIS19160				170
CIS19170		CIS20180		180
CIS19180				190
CIS19190		CIS20200	25	200
CIS19200		CIS20224		224
CIS19224		CIS20250		250
CIS19250		CIS25125		125
CIS24125		CIS25140		140
CIS24140		CIS25150		150
CIS24150		CIS25160		160
CIS24160		CIS25170		170
CIS24170		CIS25180		180
CIS24180		CIS25190		190
CIS24190	24	CIS25200		200
CIS24200		CIS25210		210
CIS24210		CIS25220		220
CIS24220		CIS25224		224
CIS24224		CIS25230		230
CIS24230		CIS25240		240
CIS24240		CIS25250		250
CIS24250		CIS25260		260
CIS24260		CIS25270		270
CIS24270		CIS25280		280
CIS24280		CIS25300		300
CIS24300		CIS25315		315
CIS24315		CIS25355		355
CIS24355		CIS25400		400
CIS24400		CIS25450		450
CIS24450		CIS25500		500
CIS24500				

Symbol	D1	Symbol	D1	L
CIS30125	30	CIS32125	32	125
CIS30140		CIS32140		140
CIS30150		CIS32150		150
CIS30160		CIS32160		160
CIS30170		CIS32170		170
CIS30180		CIS32180		180
CIS30190		CIS32190		190
CIS30200		CIS32200		200
CIS30210		CIS32210		210
CIS30220		CIS32220		220
CIS30224		CIS32224		224
CIS30230		CIS32230		230
CIS30240		CIS32240		240
CIS30250		CIS32250		250
CIS30260		CIS32260		260
CIS30270		CIS32270		270
CIS30280		CIS32280		280
CIS30300		CIS32300		300
CIS30315		CIS32315		315
CIS30355		CIS32355		355
CIS30400		CIS32400	40	400
CIS30450		CIS32450		450
CIS30500		CIS32500		500
CIS38160		CIS40160		160
		CIS40170		170
CIS38180		CIS40180		180
		CIS40190		190
CIS38200		CIS40200		200
		CIS40210		210
		CIS40220		220
CIS38224		CIS40224		224
		CIS40230		230
		CIS40240		240
CIS38250		CIS40250		250
		CIS40260		260
		CIS40270		270
CIS38280		CIS40280		280
		CIS40300		300
CIS38315		CIS40315		315
		CIS40320		320
		CIS40350		350
		CIS40355		355
CIS38355		CIS40400		400
CIS38400		CIS40450		450
CIS38450		CIS40500		500
CIS38500				

STRAIGHT GUIDE PILLARS

DIN 9825 / ISO 9182-2

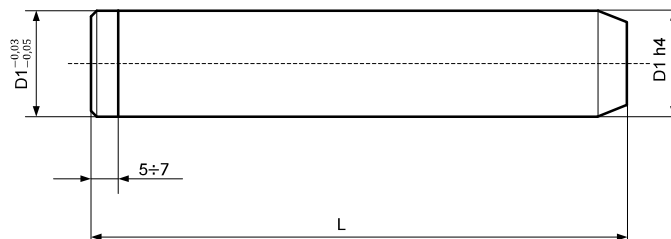
CIS

1.7131

61 ÷ 63 HRC

Symbol: CIS63315

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L
		CIS42170	42	170
		CIS42180		180
		CIS42190		190
		CIS42200		200
		CIS42210		210
		CIS42220		220
		CIS42230		230
		CIS42240		240
		CIS42250		250
		CIS42260		260
		CIS42270		270
		CIS42280		280
		CIS42300		300
		CIS42320		320
		CIS42350		350
		CIS42400		400
		CIS48200	48	200
		CIS48224		224
		CIS48250		250
		CIS48280		280
		CIS48315		315
		CIS48355		355
		CIS48400		400
		CIS48450		450
		CIS48500		500
CIS50180	50	CIS52180	52	180
CIS50190		CIS52190		190
CIS50200		CIS52200		200
CIS50210		CIS52210		210
CIS50220		CIS52220		220
CIS50224				224
CIS50230		CIS52230		230
CIS50240		CIS52240		240
CIS50250		CIS52250		250
CIS50260		CIS52260		260
CIS50270		CIS52270		270
CIS50280		CIS52280		280
CIS50300		CIS52300		300
CIS50315				315
CIS50320		CIS52320		320
CIS50350		CIS52350		350
CIS50355		355		
CIS50400	CIS52400	400		
CIS50450		450		
CIS50500		500		

[illegible]

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE DO MINI ZESTAWÓW

STRAIGHT GUIDE PILLARS FOR MINIATURE SET

DIN 9825 / ISO 9182-2

CM

Materiał / Material

STAL / STEEL

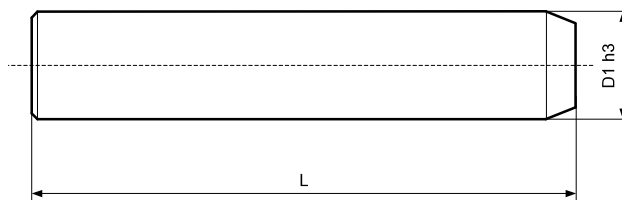
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: CM6100

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L
CM330	3	30
CM340		40
CM350		50
CM360		60
CM380		80
CM440	4	40
CM450		50
CM460		60
CM480		80
CM4100	5	100
CM540		40
CM550		50
CM560		60
CM580		80
CM5100	6	100
CM640		40
CM650		50
CM660		60
CM680		80
CM6100		100
CM6125		125
CM6140		140
CM6160		160

Symbol	D1	L
CM850	8	50
CM860		60
CM880		80
CM8100		100
CM8125		125
CM8140	10	140
CM8160		160
CM1080		80
CM1090		90
CM10100	12	100
CM10112		112
CM10125		125
CM10140		140
CM1280		80
CM1290	12	90
CM12100		100
CM12112		112
CM12125		125
CM12140		140
CM12160		160

SŁUPY PROWADZĄCE

STRAIGHT GUIDE PILLARS

DIN 9825 / ISO 9182-2

LCA

Materiał / Material

1.7131

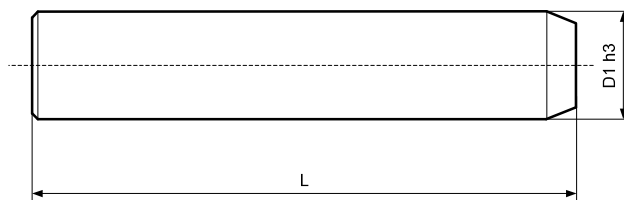
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: LCA30250

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L
LCA1590	15	LCA1690	16	90
LCA15100		LCA16100		100
LCA15112		LCA16112		112
LCA15125		LCA16125		125
LCA15140		LCA16140		140
LCA15160		LCA16160		160
LCA15180		LCA16180		180
LCA15200		LCA16200		200
LCA15224	19	LCA16224	20	224
LCA15250		LCA16250		250
LCA19100		LCA20100		100
LCA19112		LCA20112		112
LCA19125		LCA20125		125
LCA19140		LCA20140		140
LCA19160		LCA20160		160
LCA19180		LCA20180		180
LCA19200	24	LCA20200	25	200
LCA19224		LCA20224		224
LCA19250		LCA20250		250
LCA24100		LCA25100		100
LCA24112		LCA25112		112
LCA24125		LCA25125		125
LCA24140		LCA25140		140
LCA24160		LCA25160		160
LCA24180	30	LCA25180	32	180
LCA24200		LCA25200		200
LCA24224		LCA25224		224
LCA24250		LCA25250		250
LCA24280		LCA25280		280
LCA24315		LCA25315		315
LCA24355		LCA25355		355
LCA24400		LCA25400		400
LCA24450	32	LCA25450	35	450
LCA24500		LCA25500		500
LCA30125		LCA32125		125
LCA30140		LCA32140		140
LCA30160		LCA32160		160
LCA30180		LCA32180		180
LCA30200		LCA32200		200
LCA30224		LCA32224		224
LCA30250	35	LCA32250	38	250
LCA30280		LCA32280		280
LCA30315		LCA32315		315
LCA30355		LCA32355		355
LCA30400		LCA32400		400
LCA30450		LCA32450		450
LCA30500		LCA32500		500

Symbol	D1	Symbol	D1	L
LCA38160	38	LCA40160	40	160
LCA38180		LCA40180		180
LCA38200		LCA40200		200
LCA38224		LCA40224		224
LCA38250		LCA40250		250
LCA38280		LCA40280		280
LCA38315		LCA40315		315
LCA38355		LCA40355		355
LCA38400	48	LCA40400	50	400
LCA38450		LCA40450		450
LCA38500		LCA40500		500
LCA48200		LCA50200		200
LCA48224		LCA50224		224
LCA48250		LCA50250		250
LCA48280		LCA50280		280
LCA48315		LCA50315		315
LCA48355	60	LCA50355	63	355
LCA48400		LCA50400		400
LCA48450		LCA50450		450
LCA48500		LCA50500		500
LCA60250		LCA63250		250
LCA60280		LCA63280		280
LCA60315		LCA63315		315
LCA60355		LCA63355		355
LCA60400	63	LCA63400	65	400
LCA60450		LCA63450		450
LCA60500		LCA63500		500
		LCA80280	80	280
		LCA80315		315
		LCA80355		355
		LCA80400		400
		LCA80450		450
		LCA80500		500
		LCA80600		600
		LCA80700		700
		LCA80800		800

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE

STRAIGHT GUIDE PILLARS

DIN 9825 / ISO 9182-2

L4F

Materiał / Material

1.7131

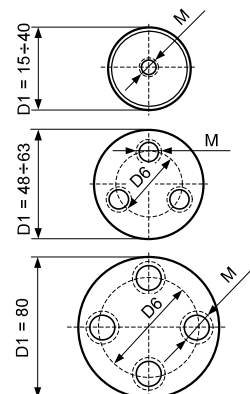
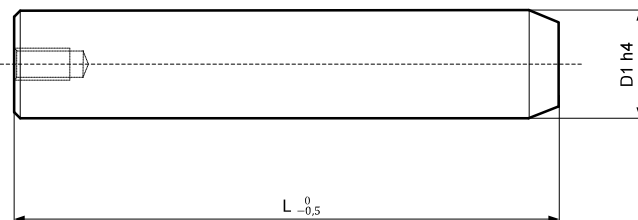
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: L4F30250

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L	D6	M
L4F1590	15	L4F1690	16	90	-	M8
L4F15100		L4F16100		100		
L4F15112		L4F16112		112		
L4F15125		L4F16125		125		
L4F15140		L4F16140		140		
L4F15160		L4F16160		160		
L4F15180		L4F16180		180		
L4F15200		L4F16200		200		
L4F15224		L4F16224		224		
L4F15250		L4F16250		250		
L4F15280	19	L4F16280	20	280	-	M10
L4F15315		L4F16315		315		
L4F15355		L4F16355		355		
L4F19100		L4F20100		100		
L4F19112		L4F20112		112		
L4F19125		L4F20125		125		
L4F19140		L4F20140		140		
L4F19160		L4F20160		160		
L4F19180		L4F20180		180		
L4F19200		L4F20200		200		
L4F19224	24	L4F20224	25	224	-	M12
L4F19250		L4F20250		250		
L4F19280		L4F20280		280		
L4F19315		L4F20315		315		
L4F19355		L4F20355		355		
L4F19400		L4F20400		400		
L4F24100		L4F25100		100		
L4F24112		L4F25112		112		
L4F24125		L4F25125		125		
L4F24140		L4F25140		140		
L4F24160	30	L4F25160	32	160	-	M16
L4F24180		L4F25180		180		
L4F24200		L4F25200		200		
L4F24224		L4F25224		224		
L4F24250		L4F25250		250		
L4F24280		L4F25280		280		
L4F24315		L4F25315		315		
L4F24355		L4F25355		355		
L4F24400		L4F25400		400		
L4F24450		L4F25450		450		
L4F24500	32	L4F25500	34	500	-	M16
L4F30125		L4F32125		125		
L4F30140		L4F32140		140		
L4F30160		L4F32160		160		
L4F30180		L4F32180		180		
L4F30200		L4F32200		200		
L4F30224		L4F32224		224		
L4F30250		L4F32250		250		
L4F30280		L4F32280		280		
L4F30315		L4F32315		315		
L4F30355	34	L4F32355	36	355	-	M16
L4F30400		L4F32400		400		
L4F30450		L4F32450		450		
L4F30500		L4F32500		500		

Symbol	D1	Symbol	D1	L	D6	M
L4F38160	38	L4F40160	40	160	-	M16
L4F38180		L4F40180		180		
L4F38200		L4F40200		200		
L4F38224		L4F40224		224		
L4F38250		L4F40250		250		
L4F38280		L4F40280		280		
L4F38315		L4F40315		315		
L4F38355		L4F40355		355		
L4F38400		L4F40400		400		
L4F38450		L4F40450		450		
L4F38500	48	L4F40500	50	500	28	M12
L4F38550		L4F40550		550		
L4F38600		L4F40600		600		
L4F38700		L4F40700		700		
L4F38800		L4F40800		800		
L4F48180		L4F50180		180		
L4F48200		L4F50200		200		
L4F48224		L4F50224		224		
L4F48250		L4F50250		250		
L4F48280		L4F50280		280		
L4F48315	60	L4F50315	63	315	34	M16
L4F48355		L4F50355		355		
L4F48400		L4F50400		400		
L4F48450		L4F50450		450		
L4F48500		L4F50500		500		
L4F48550		L4F50550		550		
L4F48600		L4F50600		600		
L4F48700		L4F50700		700		
L4F48800		L4F50800		800		
L4F60250		L4F63250		250		
L4F60280	80	L4F63280	84	280	54	M16
L4F60315		L4F63315		315		
L4F60355		L4F63355		355		
L4F60400		L4F63400		400		
L4F60450		L4F63450		450		
L4F60500		L4F63500		500		
L4F60550		L4F63550		550		
L4F60600		L4F63600		600		
L4F60700		L4F63700		700		
L4F60800		L4F63800		800		
		L4F80280		280		
		L4F80315		315		
		L4F80355		355		
		L4F80400		400		
		L4F80450		450		
		L4F80500		500		
		L4F80550		550		
		L4F80600		600		
		L4F80700		700		
		L4F80800		800		

SŁUPY PROWADZĄCE

STRAIGHT GUIDE PILLARS

DIN 9825 / ISO 9182-2

L3F

Materiał / Material

1.7131

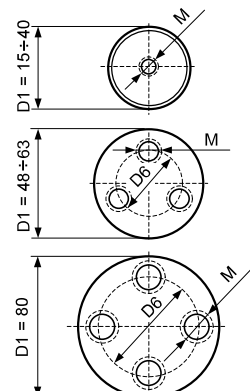
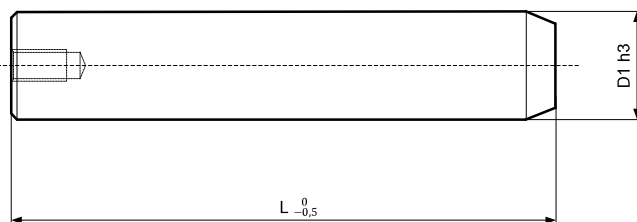
Twardość / Hardness

61 ± 63 HRC

Jak zamówić / How to order

Symbol: L3F30250

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L	D6	M
L3F1590	15	L3F1690	16	90	-	M8
L3F15100		L3F16100		100		
L3F15112		L3F16112		112		
L3F15125		L3F16125		125		
L3F15140		L3F16140		140		
L3F15160		L3F16160		160		
L3F15180		L3F16180		180		
L3F15200		L3F16200		200		
L3F15224		L3F16224		224		
L3F15250		L3F16250		250		
L3F15280	19	L3F16280	20	280	-	M10
L3F15315		L3F16315		315		
L3F15355		L3F16355		355		
L3F19100		L3F20100		100		
L3F19112		L3F20112		112		
L3F19125		L3F20125		125		
L3F19140		L3F20140		140		
L3F19160		L3F20160		160		
L3F19180		L3F20180		180		
L3F19200		L3F20200		200		
L3F19224	24	L3F20224	25	224	-	M12
L3F19250		L3F20250		250		
L3F19280		L3F20280		280		
L3F19315		L3F20315		315		
L3F19355		L3F20355		355		
L3F19400		L3F20400		400		
L3F24100		L3F25100		100		
L3F24112		L3F25112		112		
L3F24125		L3F25125		125		
L3F24140		L3F25140		140		
L3F24160	30	L3F25160	32	160	-	M16
L3F24180		L3F25180		180		
L3F24200		L3F25200		200		
L3F24224		L3F25224		224		
L3F24250		L3F25250		250		
L3F24280		L3F25280		280		
L3F24315		L3F25315		315		
L3F24355		L3F25355		355		
L3F24400		L3F25400		400		
L3F24450		L3F25450		450		
L3F24500	38	L3F25500	40	500	-	M16
L3F30125		L3F32125		125		
L3F30140		L3F32140		140		
L3F30160		L3F32160		160		
L3F30180		L3F32180		180		
L3F30200		L3F32200		200		
L3F30224		L3F32224		224		
L3F30250		L3F32250		250		
L3F30280		L3F32280		280		
L3F30315		L3F32315		315		
L3F30355	48	L3F32355	50	355	-	M12
L3F30400		L3F32400		400		
L3F30450		L3F32450		450		
L3F30500		L3F32500		500		

Symbol	D1	Symbol	D1	L	D6	M
L3F38160	38	L3F40160	40	160	-	M16
L3F38180		L3F40180		180		
L3F38200		L3F40200		200		
L3F38224		L3F40224		224		
L3F38250		L3F40250		250		
L3F38280		L3F40280		280		
L3F38315		L3F40315		315		
L3F38355		L3F40355		355		
L3F38400		L3F40400		400		
L3F38450		L3F40450		450		
L3F38500	48	L3F40500	50	500	28	M12
L3F38550		L3F40550		550		
L3F38600		L3F40600		600		
L3F38700		L3F40700		700		
L3F38800		L3F40800		800		
L3F48180		L3F50180		180		
L3F48200		L3F50200		200		
L3F48224		L3F50224		224		
L3F48250		L3F50250		250		
L3F48280		L3F50280		280		
L3F48315	60	L3F50315	63	315	34	M16
L3F48355		L3F50355		355		
L3F48400		L3F50400		400		
L3F48450		L3F50450		450		
L3F48500		L3F50500		500		
L3F48550		L3F50550		550		
L3F48600		L3F50600		600		
L3F48700		L3F50700		700		
L3F48800		L3F50800		800		
L3F60250	80	L3F63250	80	250	54	M16
L3F60280		L3F63280		280		
L3F60315		L3F63315		315		
L3F60355		L3F63355		355		
L3F60400		L3F63400		400		
L3F60450		L3F63450		450		
L3F60500		L3F63500		500		
L3F60550		L3F63550		550		
L3F60600		L3F63600		600		
L3F60700		L3F63700		700		
L3F60800	80	L3F63800	80	800	54	M16
L3F80280		L3F80280		280		
L3F80315		L3F80315		315		
L3F80355		L3F80355		355		
L3F80400		L3F80400		400		
L3F80450		L3F80450		450		
L3F80500		L3F80500		500		
L3F80550		L3F80550		550		
L3F80600		L3F80600		600		
L3F80700		L3F80700		700		
L3F80800		L3F80800		800		

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE
STRAIGHT GUIDE PILLARS
DIN 9825 / ISO 9182-2

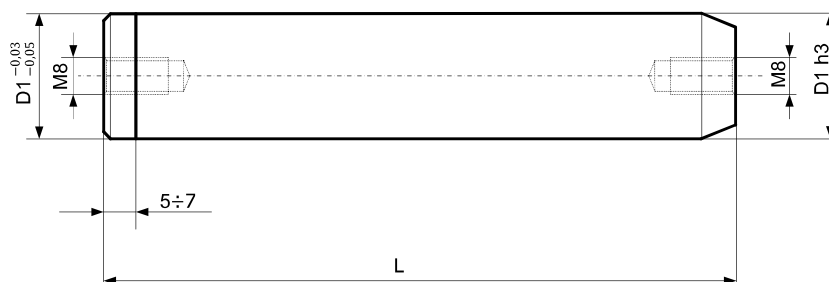
CIAF

1.7131

61 ÷ 63 HRC

Symbol: CIAF30250

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L
CIAF1590	15	CIAF1690	16	90
CIAF15100		CIAF16100		100
CIAF15112		CIAF16112		112
CIAF15125		CIAF16125		125
CIAF15140		CIAF16140		140
CIAF15160		CIAF16160		160
CIAF15180		CIAF16180		180
CIAF15200		CIAF16200		200
CIAF15224		CIAF16224		224
CIAF15250		CIAF16250		250
CIAF19100	19	CIAF20100	20	100
CIAF19112		CIAF20112		112
CIAF19125		CIAF20125		125
CIAF19140		CIAF20140		140
CIAF19160		CIAF20160		160
CIAF19180		CIAF20180		180
CIAF19200		CIAF20200		200
CIAF19224		CIAF20224		224
CIAF19250		CIAF20250		250
CIAF24100		24		CIAF25100
CIAF24112	CIAF25112		112	
CIAF24125	CIAF25125		125	
CIAF24140	CIAF25140		140	
CIAF24160	CIAF25160		160	
CIAF24180	CIAF25180		180	
CIAF24200	CIAF25200		200	
CIAF24224	CIAF25224		224	
CIAF24250	CIAF25250		250	
CIAF24280	CIAF25280		280	
CIAF24315	CIAF25315		315	
CIAF24355	CIAF25355		355	
CIAF24400	CIAF25400		400	
CIAF24450	CIAF25450		450	
CIAF24500	CIAF25500		500	
CIAF30125	30	CIAF32125	32	125
CIAF30140		CIAF32140		140
CIAF30160		CIAF32160		160
CIAF30180		CIAF32180		180
CIAF30200		CIAF32200		200
CIAF30224		CIAF32224		224
CIAF30250		CIAF32250		250
CIAF30280		CIAF32280		280
CIAF30315		CIAF32315		315
CIAF30355		CIAF32355		355
CIAF30400	CIAF32400	400		
CIAF30450	CIAF32450	450		
CIAF30500	CIAF32500	500		

[illegible]

Materiał / Material

1.7131

Twardość / Hardness

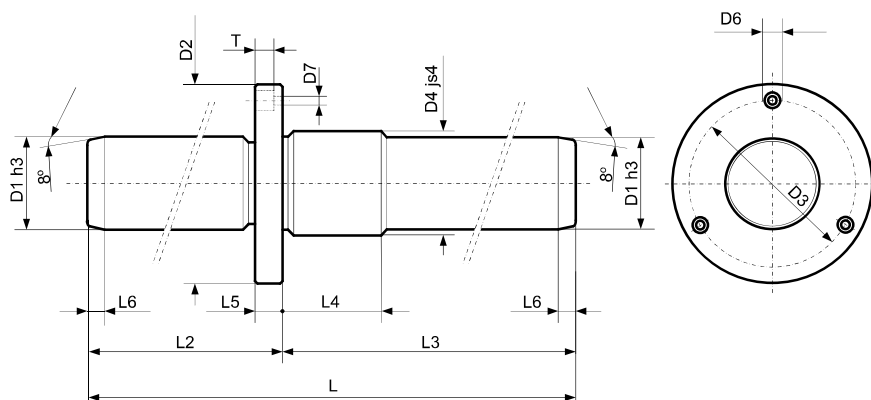
61 ± 63 HRC

Jak zamówić / How to order

Symbol: CEAS4090110

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na życzenie
Other dimensions on demand



Symbol	D1	L2	L3	L	D2	D3	D4	D6	D7	L4	L5	L6	T
CEAS124050	12	40	50	90	28	20	13	6	3,4	12	6	3	3,4
CEAS124060		40	60	100									
CEAS125060		50	60	110									
CEAS125070		50	70	120									
CEAS126070		60	70	130									
CEAS127070	16	70	70	140	38	28	18	8	4,5	16	8	4	4,6
CEAS166080		60	80	140									
CEAS166090		60	90	150									
CEAS167090		70	90	160									
CEAS1670100		70	100	170									
CEAS1680100	19	80	100	180	42	32	22	8	4,5	20	8	4	4,6
CEAS1690100		90	100	190									
CEAS197090		70	90	160									
CEAS1970100		70	100	170									
CEAS1980100		80	100	180									
CEAS1980110	25	80	110	190	48	38	26	8	4,5	22	8	6	4,6
CEAS1990110		90	110	200									
CEAS19100110		100	110	210									
CEAS2580100		80	100	180									
CEAS2580110		80	110	190									
CEAS2590110	32	90	110	200	60	48	34	10	5,5	25	10	7	5,7
CEAS2590120		90	120	210									
CEAS25100120		100	120	220									
CEAS25110120		110	120	230									
CEAS3280100		80	100	180	70	56	42	11	6,6	27	12	7	6,8
CEAS3280110	40	80	110	190									
CEAS3290110		90	110	200									
CEAS3290120		90	120	210									
CEAS32100120		100	120	220									
CEAS32100130	40	100	130	230	70	56	42	11	6,6	27	12	7	6,8
CEAS32110130		110	130	240									
CEAS32110140		110	140	250									
CEAS4090110		90	110	200									
CEAS4090120		90	120	210									
CEAS40100120	40	100	120	220	70	56	42	11	6,6	27	12	7	6,8
CEAS40100130		100	130	230									
CEAS40110130		110	130	240									
CEAS40110140		110	140	250									
CEAS40120140		120	140	260									

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

CEA

Materiał / Material

1.7131

Twardość / Hardness

60 ÷ 63 HRC

Jak zamówić / How to order

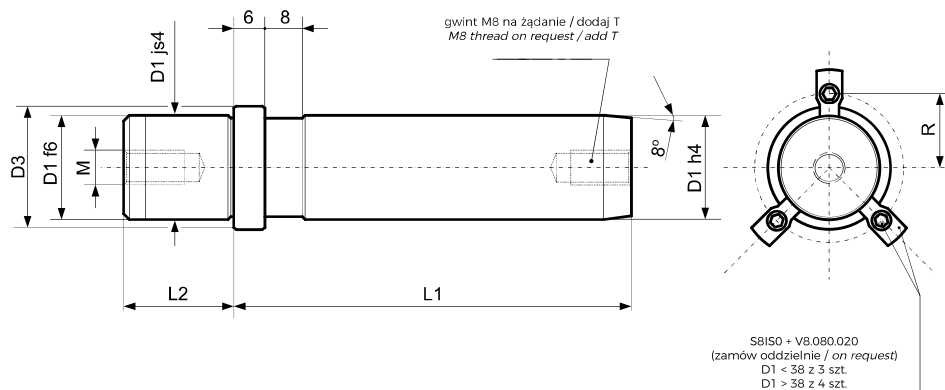
Symbol: CEA30250

2 gwinty dodaj T / 2 threads add T

Symbol: CEA30250T

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L1	L2	D3	M	R
CEA15100	15	CEA16100	16	100	20	22	M8	16,5
CEA15112		CEA16112		112				
CEA15125		CEA16125		125				
CEA15140		CEA16140		140				
CEA15160		CEA16160		160				
CEA15180		CEA16180		180				
CEA15200		CEA16160		200				
CEA19100	19	CEA20100	20	100	23	25	M8	18
CEA19112		CEA20112		112				
CEA19125		CEA20125		125				
CEA19140		CEA20140		140				
CEA19160		CEA20160		160				
CEA19180		CEA20180		180				
CEA19200		CEA20200		200				
CEA24100	24	CEA25100	25	100	30	32	M8	21,5
CEA24112		CEA25112		112				
CEA24125		CEA25125		125				
CEA24140		CEA25140		140				
CEA24160		CEA25160		160				
CEA24180		CEA25180		180				
CEA24200		CEA25200		200				
CEA24224	30	CEA25224	32	224	37	40	M8	25,5
CEA24250		CEA25250		250				
CEA30112		CEA32112		112				
CEA30125		CEA32125		125				
CEA30140		CEA32140		140				
CEA30160		CEA32160		160				
CEA30180		CEA32180		180				
CEA30200	38	CEA32200	40	200	37	50	M8	30,5
CEA30224		CEA32224		224				
CEA30250		CEA32250		250				
CEA30280		CEA32280		280				
CEA30315		CEA32315		315				
CEA38125		CEA40125		125				
CEA38140		CEA40140		140				
CEA38160		CEA40160		160				
CEA38180		CEA40180		180				
CEA38200		CEA40200		200				
CEA38224		CEA40224		224				
CEA38250		CEA40250		250				
CEA38280		CEA40280		280				
CEA38315		CEA40315		315				
CEA38355		CEA40355		355				

Symbol	D1	Symbol	D1	L1	L2	D3	M	R
CEA48140	48	CEA50140	50	140	47	63	M8	37
CEA48160		CEA50160		160				
CEA48180		CEA50180		180				
CEA48200		CEA50200		200				
CEA48224		CEA50224		224				
CEA48250		CEA50250		250				
CEA48280		CEA50280		280				
CEA48315		CEA50315		315				
CEA48355		CEA50355		355				
CEA48400		CEA50400		400				
CEA60160	60	CEA63160	63	160	47	80	M8	45,5
CEA60180		CEA63180		180				
CEA60200		CEA63200		200				
CEA60224		CEA63224		224				
CEA60250		CEA63250		250				
CEA60280		CEA63280		280				
CEA60315		CEA63315		315				
CEA60355		CEA63355		355				
CEA60400		CEA63400		400				
		CEA80200	80	200	60	95	M12	53
		CEA80224		224				
		CEA80250		250				
		CEA80280		280				
		CEA80315		315				
		CEA80355		355				
		CEA80400		400				

PODKŁADKI POD SŁUP CEA

WASHERS FOR PILLARS CEA

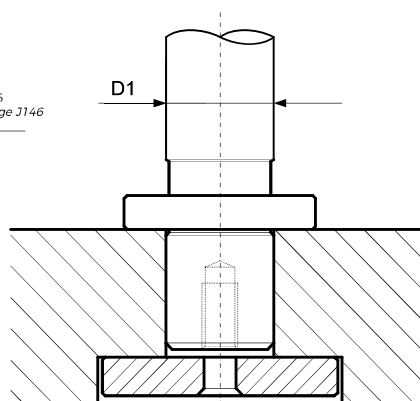
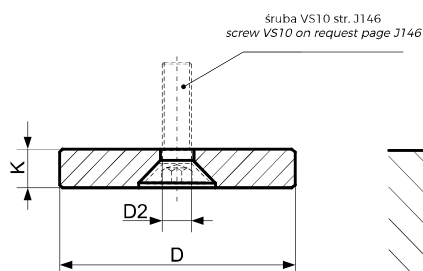
RTI

Materiał / Material

1.1730

Jak zamówić / How to order

Symbol: RTI60



Symbol	D1	D	K	D2
RTI22	15-16	22	6	8,5
RTI25	19-20	25	6	8,5
RTI32	24-25	32	6	8,5
RTI40	30-32	40	6	8,5
RTI50	38-40	50	6	8,5
RTI60	48-50	60	6	8,5
RTI70	60-63	70	6	8,5
RTI93	80	93	12	12,5

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

DIN 9825 / ISO 9182-5

CEAQ

Materiał / Material

STAL / STEEL

Twardość / Hardness

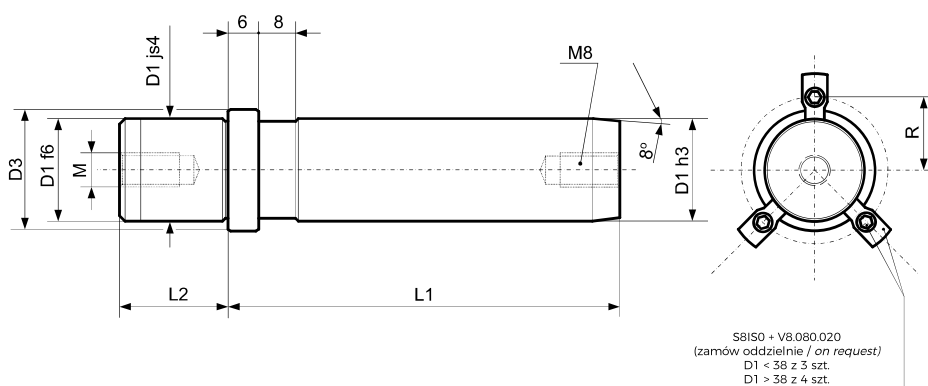
60 ÷ 63 HRC

Jak zamówić / How to order

Symbol: CEAQ30250

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L1	L2	D3	M	R
CEAQ15100	15	CEAQ16100	16	100	20	22	M8	16,5
CEAQ15112		CEAQ16112		112				
CEAQ15125		CEAQ16125		125				
CEAQ15140		CEAQ16140		140				
CEAQ15160		CEAQ16160		160				
CEAQ15180		CEAQ16180		180				
CEAQ15200	19	CEAQ16200	20	200	23	25	M8	18
CEAQ19100		CEAQ20100		100				
CEAQ19112		CEAQ20112		112				
CEAQ19125		CEAQ20125		125				
CEAQ19140		CEAQ20140		140				
CEAQ19160		CEAQ20160		160				
CEAQ19180	24	CEAQ20180	25	180	30	32	M8	21,5
CEAQ19200		CEAQ20200		200				
CEAQ24100		CEAQ25100		100				
CEAQ24112		CEAQ25112		112				
CEAQ24125		CEAQ25125		125				
CEAQ24140		CEAQ25140		140				
CEAQ24160	30	CEAQ25160	32	160	37	40	M8	25,5
CEAQ24180		CEAQ25180		180				
CEAQ24200		CEAQ25200		200				
CEAQ24224		CEAQ25224		224				
CEAQ24250		CEAQ25250		250				
CEAQ30112	38	CEAQ32112	40	112	37	50	M8	30,5
CEAQ30125		CEAQ32125		125				
CEAQ30140		CEAQ32140		140				
CEAQ30160		CEAQ32160		160				
CEAQ30180		CEAQ32180		180				
CEAQ30200		CEAQ32200		200				
CEAQ30224	38	CEAQ32224	40	224	37	50	M8	30,5
CEAQ30250		CEAQ32250		250				
CEAQ30280		CEAQ32280		280				
CEAQ30315		CEAQ32315		315				
CEAQ38125		CEAQ40125		125	37	50	M8	30,5
CEAQ38140		CEAQ40140		140				
CEAQ38160	38	CEAQ40160	40	160				
CEAQ38180		CEAQ40180		180				
CEAQ38200		CEAQ40200		200				
CEAQ38224		CEAQ40224		224				
CEAQ38250	38	CEAQ40250	40	250	37	50	M8	30,5
CEAQ38280		CEAQ40280		280				
CEAQ38315		CEAQ40315		315				
CEAQ38355		CEAQ40355		355				

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

DIN 9825 / ISO 9182-5

CEAQ

Symbol	D1	Symbol	D1	L1	L2	D3	M	R
CEAQ48140	48	CEAQ50140	50	140	47	63	M8	37
CEAQ48160		CEAQ50160		160				
CEAQ48180		CEAQ50180		180				
CEAQ48200		CEAQ50200		200				
CEAQ48224		CEAQ50224		224				
CEAQ48250		CEAQ50250		250				
CEAQ48280		CEAQ50280		280				
CEAQ48315		CEAQ50315		315				
CEAQ48355		CEAQ50355		355				
CEAQ48400		CEAQ50400		400				
CEAQ60160	60	CEAQ63160	63	160	47	80	M8	45,5
CEAQ60180		CEAQ63180		180				
CEAQ60200		CEAQ63200		200				
CEAQ60224		CEAQ63224		224				
CEAQ60250		CEAQ63250		250				
CEAQ60280		CEAQ63280		280				
CEAQ60315		CEAQ63315		315				
CEAQ60355		CEAQ63355		355				
CEAQ60400		CEAQ63400		400				
		CEAQ80200	80	200	60	95	M12	53
		CEAQ80224		224				
		CEAQ80250		250				
		CEAQ80280		280				
		CEAQ80315		315				
		CEAQ80355		355				
		CEAQ80400		400				

PODKŁADKI POD SŁUP CEAQ

WASHERS FOR PILLARS CEAQ

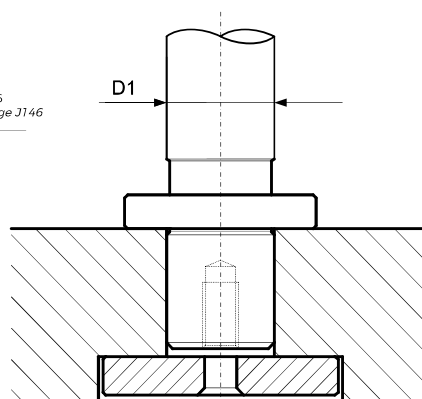
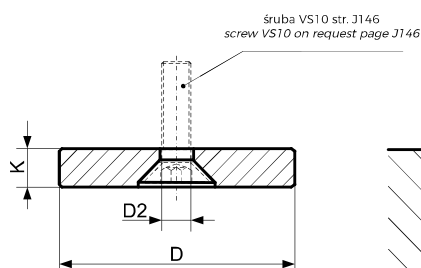
RTI

Materiał / Material

1.1730

Jak zamówić / How to order

Symbol: RTI60



Symbol	D1	D	K	D2
RTI22	15-16	22	6	8,5
RTI25	19-20	25	6	8,5
RTI32	24-25	32	6	8,5
RTI40	30-32	40	6	8,5
RTI50	38-40	50	6	8,5
RTI60	48-50	60	6	8,5
RTI70	60-63	70	6	8,5
RTI93	80	93	12	12,5

SŁUPY PROWADZĄCE

GUIDE PILLARS

DIN 9833 / ISO 9182-3

C9

Materiał / Material

STAL / STEEL

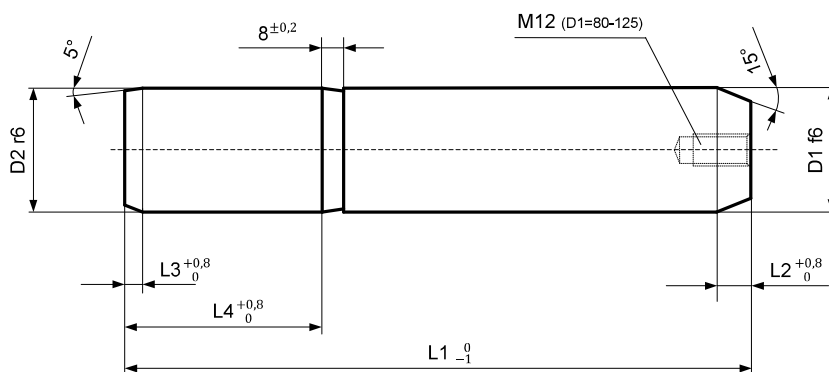
Twierdź / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: C950180

Inne wymiary na żądanie
Other dimensions on demand



Elementy prowadzące do tłoczników

Symbol	D1	L1	D2	L2	L3	L4	Symbol	D1	L1	D2	L2	L3	L4
C925125	25	125	25	8	4	40	C963180	63	180	63	10	4	80
C925140		140					C963200		200				
C925160		160					C963224		224				
C925180		180					C963250		250				
C925200		200					C963280		280				
C925224	32	224	32	8	4	45	C963315	80	315	80	10	4	100
C932125		125					C963355		355				
C932140		140					C963400		400				
C932160		160					C980200		200				
C932180		180					C980224		224				
C932200	40	200	40	8	4	56	C980250	100	250	100	10	4	125
C932224		224					C980280		280				
C932250		250					C980315		315				
C940140		140					C980355		355				
C940160		160					C980400		400				
C940180	50	180	50	10	4	70	C980450	125	450	125	12	5	140
C940200		200					C980500		500				
C940224		224					C9100224		224				
C940250		250					C9100250		250				
C940280		280					C9100280		280				
C950160		160					C9100315		315				
C950180		180					C9100355		355				
C950200		200					C9100400		400				
C950224		224					C9100450		450				
C950250		250					C9100500		500				
C950280		280					C9125315		315				
C950315		315					C9125355		355				
C950355		355					C9125400		400				
							C9125450		450				
							C9125500		500				

SŁUPY PROWADZĄCE

GUIDE PILLARS

FCA 065.90.70

C9A

Materiał / Material

1.7131

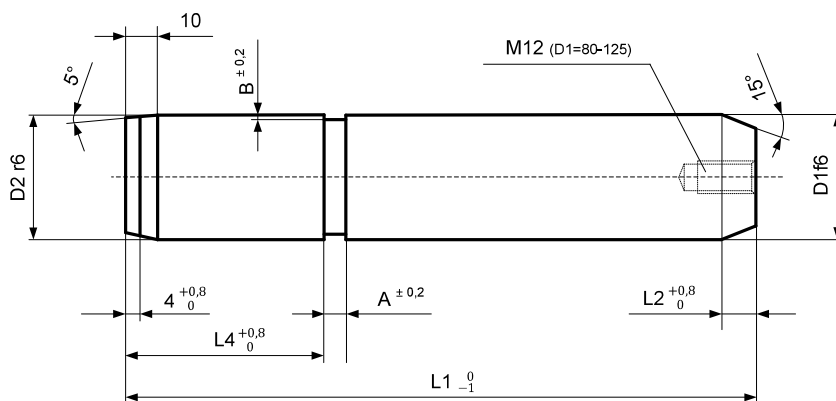
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: C9A50180

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	L2	L4	A	B
C9A25100	25	100	25	4	40	6	2.5
C9A25125		125					
C9A25140		140					
C9A25160		160					
C9A25180		180					
C9A32100	32	100	32	8	45	6	2.5
C9A32125		125					
C9A32140		140					
C9A32160		160					
C9A32180		180					
C9A32200	40	200	40	10	56	9	3.5
C9A40160		160					
C9A40180		180					
C9A40200		200					
C9A40225		225					
C9A40250	50	250	50	10	70	9	3.5
C9A40280		280					
C9A50160		160					
C9A50180		180					
C9A50200		200					
C9A50225	50	225	50	10	70	9	3.5
C9A50250		250					
C9A50280		280					

Symbol	D1	L1	D2	L2	L4	A	B
C9A63200	63	200	63	10	80	11	5.5
C9A63225		225					
C9A63250		250					
C9A63280		280					
C9A63315		315					
C9A63355	80	355	80	10	100	11	5.5
C9A63400		400					
C9A80250		250					
C9A80280		280					
C9A80315		315					
C9A80355	100	355	100	10	125	11	5.5
C9A80400		400					
C9A100315		315					
C9A100355		355					
C9A100400		400					
C9A100450	125	450	125	12	140	11	5.5
C9A100500		500					
C9A125355		355					
C9A125400		400					
C9A125450		450					
C9A125500	125	500	125	12	140	11	5.5
C9A125550		550					

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE

GUIDE PILLARS

GM 90.20.50

C9B

Materiał / Material

STAL / STEEL

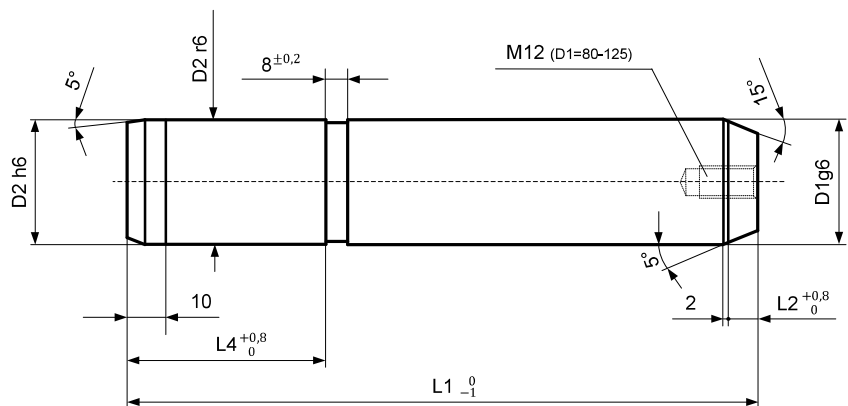
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: C9B50180

Inne wymiary na żądanie
Other dimensions on demand



Elementy prowadzące do tłoczników

Symbol	D1	L1	D2	L2	L4
C9B25125	25	125	25	8	40
C9B25140		140			
C9B25160		160			
C9B25180		180			
C9B32140	32	140	32	8	45
C9B32160		160			
C9B32180		180			
C9B32200		200			
C9B40140	40	140	40	8	56
C9B40160		160			
C9B40180		180			
C9B40200		200			
C9B40224	50	224	50	10	70
C9B40250		250			
C9B40280		280			
C9B50160		160	63	10	80
C9B50180	50	180			
C9B50200		200			
C9B50224		224			
C9B50250	63	250	63	10	80
C9B50280		280			
C9B50315		315			
C9B50355		355			
C9B63180	63	180	63	10	80
C9B63200		200			
C9B63224		224			
C9B63250		250			
C9B63280	63	280	63	10	80
C9B63315		315			
C9B63355		355			
C9B63400		400			
C9B63450	63	450	63	10	80
C9B63500		500			

Symbol	D1	L1	D2	L2	L4
C9B80224	80	224	80	10	100
C9B80250		250			
C9B80280		280			
C9B80315		315			
C9B80355	100	355	100	10	125
C9B80400		400			
C9B80450		450			
C9B80500		500			
C9B100250	100	250	100	10	125
C9B100280		280			
C9B100315		315			
C9B100355		355			
C9B100400	125	400	125	12	140
C9B100450		450			
C9B100500		500			
C9B100550		550			
C9B100600	125	600	125	12	140
C9B100650		650			
C9B125315		315	125	12	140
C9B125355		355			
C9B125400	125	400			
C9B125450		450			
C9B125500		500			
C9B125550		550			
C9B125600	125	600	125	12	140
C9B125650		650			
	125		125	12	140

SŁUPY PROWADZĄCE

GUIDE PILLARS

WDX 13-65-22

C9C

Materiał / Material

STAL / STEEL

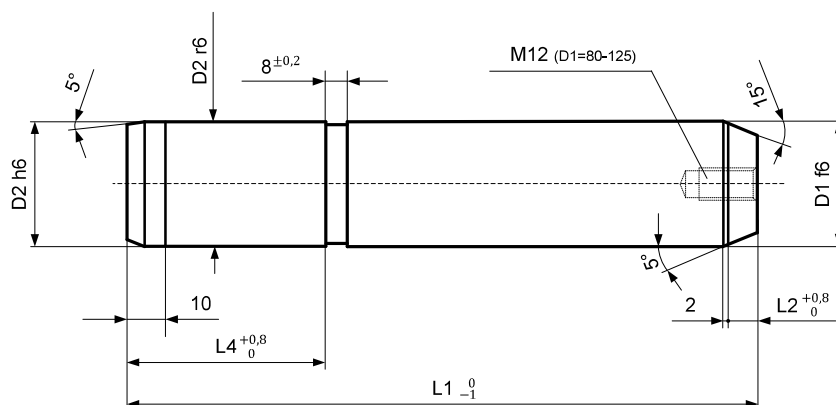
Twardość / Hardness

60 ± 64 HRC

Jak zamówić / How to order

Symbol: C9C50180

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	L2	L4
C9C25140	25	140	25	4	40
C9C25160		160			
C9C25180		180			
C9C32140	32	140	32	8	45
C9C32160		160			
C9C32180		180			
C9C32200		200			
C9C40160	40	160	40	8	56
C9C40180		180			
C9C40200		200			
C9C40224		224			
C9C40250		250			
C9C50160	50	160	50	10	70
C9C50180		180			
C9C50200		200			
C9C50224		224			
C9C50250		250			
C9C50280		280			
C9C50315		315			
C9C50360		360			
C9C63200	63	200	63	10	80
C9C63224		224			
C9C63250		250			
C9C63280		280			
C9C63300		300			
C9C63315		315			
C9C63355		355			
C9C63400		400			
C9C80250	80	250	80	10	100
C9C80280		280			
C9C80315		315			
C9C80355		355			
C9C80400		400			
C9C80450		450			
C9C80500		500			
C9C100315	100	315	100	10	125
C9C100355		355			
C9C100400		400			
C9C100500		500			
C9C100550		550			
C9C100600		600			

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE

GUIDE PILLARS

MERCEDES B8 0450 200 009 001

C9D

Materiał / Material

STAL / STEEL

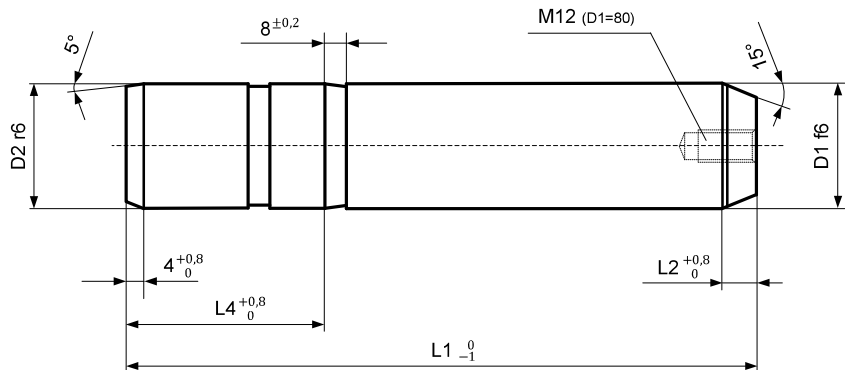
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: C9D50180

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	L2	L4
C9D40160	40	160	40	8	56
C9D40180		180			
C9D40200		200			
C9D40224		224			
C9D40250		250			
C9D40280		280			
C9D50160	50	160	50	10	70
C9D50180		180			
C9D50200		200			
C9D50224		224			
C9D50250		250			
C9D50280		280			
C9D50315	63	315	63	10	80
C9D50355		355			
C9D63180		180			
C9D63200		200			
C9D63224		224			
C9D63250		250			
C9D63280	80	280	80	10	100
C9D63315		315			
C9D63355		355			
C9D63400		400			
C9D80224		224			
C9D80250		250			
C9D80280		280			
C9D80315		315			
C9D80355		355			
C9D80400		400			

SŁUPY PROWADZĄCE

GUIDE PILLARS

BMW B2 2920.001

C9E

Materiał / Material

STAL / STEEL

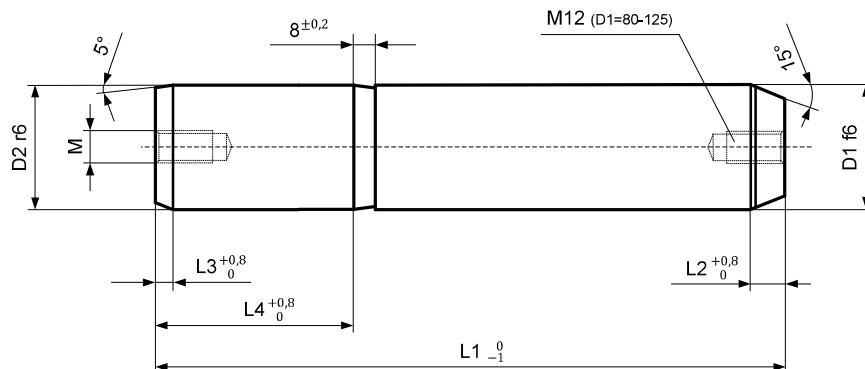
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: C9E50200

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	L2	L3	L4	M
C9E40160	40	160	40	8	4	56	M8
C9E40180		180					
C9E40200		200					
C9E40224		224					
C9E40250		250					
C9E40280		280					
C9E50160	50	160	50	10	4	70	M10
C9E50200		200					
C9E50250		250					
C9E50280		280					
C9E50315		315					
C9E50355		355					
C9E63200	63	200	63	10	4	80	M12
C9E63250		250					
C9E63280		280					
C9E63315		315					
C9E63355		355					
C9E63400		400					
C9E80250	80	250	80	10	4	100	M16
C9E80280		280					
C9E80315		315					
C9E80355		355					
C9E80250.1	80	250	80	10	4	100	-
C9E80280.1		280					
C9E80315.1		315					
C9E80355.1		355					
C9E100280	100	280	100	10	4	125	-
C9E100315		315					
C9E100355		355					
C9E100400		400					
C9E125355	125	355	125	12	5	140	-
C9E125400		400					
C9E125450		450					

SŁUPY PROWADZĄCE Z PŁYTKĄ

GUIDE PILLARS WITH MILLING

VW 39D969



Materiał / Material

STAL / STEEL

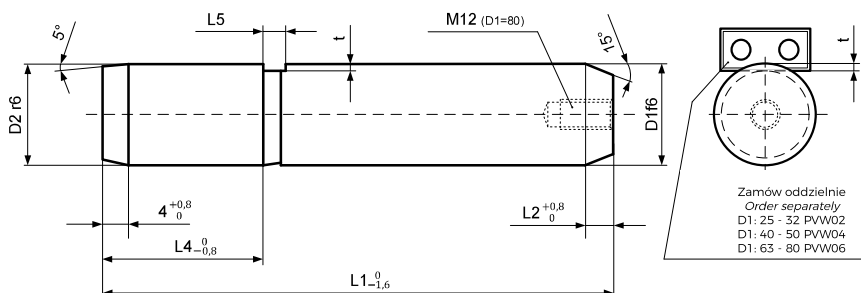
Twardość / Hardness

60 ± 64 HRC

Jak zamówić / How to order

Symbol: VW32160

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	L2	L4	L5	t	Zaczep / Clamp
VW25125	25	125	25	8	40	7	3	PVW02
VW25140		140						
VW25160		160						
VW25180		180						
VW25200		200						
VW25224		224						
VW32125	32	125	32	8	45	7	3	PVW02
VW32140		140						
VW32160		160						
VW32180		180						
VW32200		200						
VW32224		224						
VW32250		250						
VW40140	40	140	40	8	56	10	4	PVW04
VW40160		160						
VW40180		180						
VW40200		200						
VW40224		224						
VW40250		250						
VW40280		280						

Symbol	D1	L1	D2	L2	L4	L5	t	Zaczep / Clamp
VW50160	50	160	50	10	70	10	5	PVW04
VW50180		180						
VW50200		200						
VW50224		224						
VW50250		250						
VW50280		280						
VW50315		315						
VW50355		355						
VW63180	63	180	63	10	80	12	6.5	PVW06
VW63200		200						
VW63224		224						
VW63250		250						
VW63280		280						
VW63315		315						
VW63355		355						
VW63400		400						
VW80224	80	224	80	10	100	12	8	PVW06
VW80250		250						
VW80280		280						
VW80315		315						
VW80355		355						
VW80400		400						
VW80450		450						
VW80500		500						

ZACZEPY DLA SŁUPÓW VW

LOCATING PLATE FOR PILLARS VW

VW 39D856

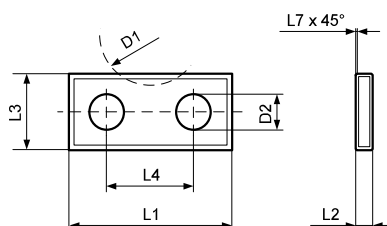


Materiał / Material

1.1730

Jak zamówić / How to order

Symbol: PVW04



Symbol	D1	D2	L1	L2	L3	L4	L7
PVW02	25-32	9	40	5	20	20	1
PVW04	40-50	11	48	8	25	24	2
PVW06	63-80	14	60	10	34	30	2

SŁUPY PROWADZĄCE Z OTWOREM

GUIDE PILLARS WITH HOLE

DIN 9833 / ISO 9182-3

C9F

Materiał / Material

STAL / STEEL

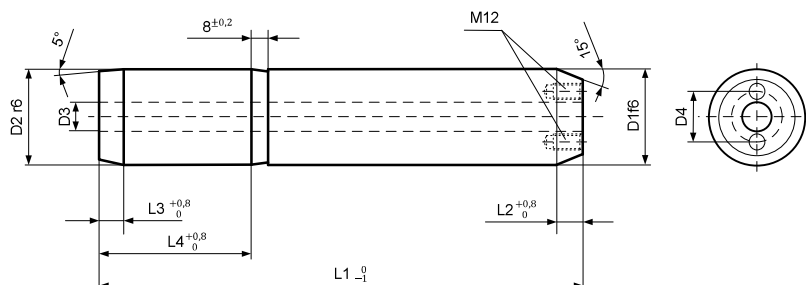
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: C9F100355

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	D3	D4	L2	L3	L4
C9F80200	80	200	80	40	58	10	4	100
C9F80224		224						
C9F80250		250						
C9F80280		280						
C9F80315		315						
C9F80355		355						
C9F80400		400						
C9F80450		450						
C9F80500		500						
C9F100224	100	224	100	50	72	10	4	125
C9F100250		250						
C9F100280		280						
C9F100315		315						
C9F100355		355						
C9F100400		400						
C9F100450		450						
C9F100500		500						
C9F125315	125	315	125	65	90	12	5	140
C9F125355		355						
C9F125400		400						
C9F125450		450						
C9F125500	160	500	160	95	132	12	5	180
C9F160400		400						
C9F160450		450						
C9F160500		500						
C9F160560		560						

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE Z OTWOREM

GUIDE PILLARS WITH HOLE

FCA 065.90.70

C9H

Materiał / Material

1.7131

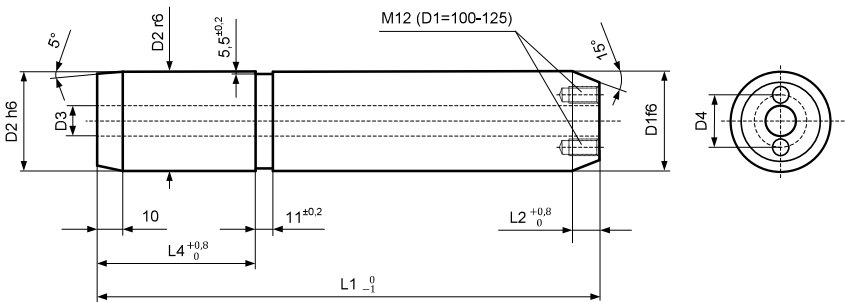
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: C9H100355

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	D3	D4	L2	L4
C9H80250	80	250	80	40	-	10	100
C9H80280		280					
C9H80315		315					
C9H80355		355					
C9H80400	100	400	100	50	74	10	125
C9H100315		315					
C9H100355		355					
C9H100400		400					
C9H100450		450					
C9H100500		500					
C9H100550	125	550	125	65	84	12	140
C9H125355		355					
C9H125400		400					
C9H125450		450					
C9H125500		500					
C9H125550		550					

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE Z OTWOREM

GUIDE PILLARS WITH HOLE

FCA 065.90.80

C9J

Materiał / Material

1.7131

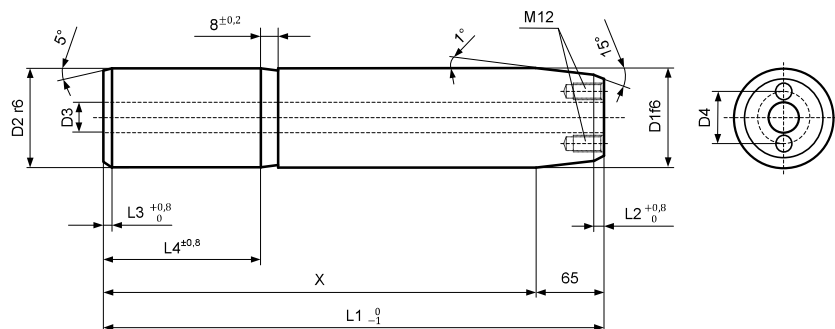
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: C9J100355

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	D3	D4	L2	L3	L4	X
C9J100315	100	315	100	50	72	10	4	125	250
C9J100355		355							290

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE Z OTWOREM

GUIDE PILLARS WITH HOLE

MERCEDES B8 0450 200 009 001

C9K

Materiał / Material

STAL / STEEL

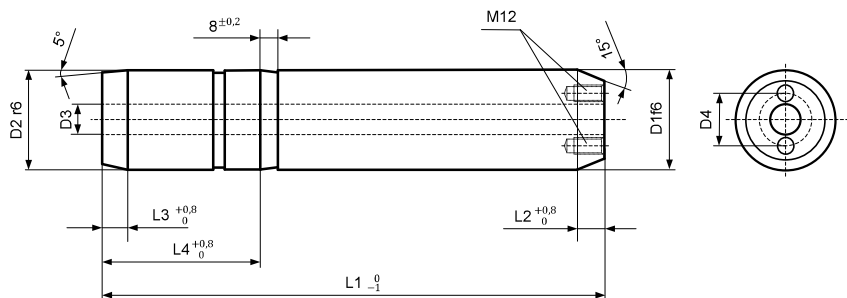
Twierdź / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: C9K100355

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	D3	D4	L2	L3	L4
C9K100280	100	280	100	50	72	10	4	125
C9K100315		315						
C9K100355		355						
C9K100400		400						
C9K125355	125	355	125	65	90	12	5	140
C9K125400		400						
C9K125450		450						
C9K160400	160	400	160	95	132	12	5	180
C9K160450		450						
C9K160500		500						
C9K160560		560						

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

WDX 13-65-20

WDX

Materiał / Material

STAL / STEEL

Twierdność / Hardness

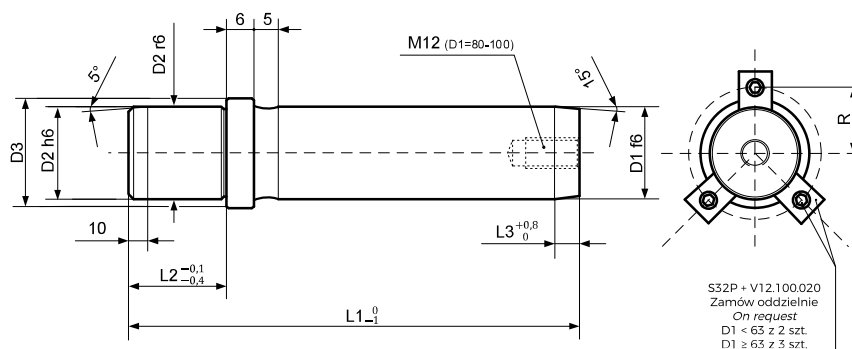
60 ± 64 HRC

Jak zamówić / How to order

Symbol: WDX50200

Inne wymiary na żądanie
Other dimensions on demand

Zaczepty str. H58
Retaining clamps page H58



Symbol	D1	L1	D2	D3	R	L2	L3
WDX25125	25	125	25	33	34	40	4
WDX25140		140					
WDX25160		160					
WDX25180		180					
WDX25200		200					
WDX25224		224					
WDX32140	32	140	32	40	37.5	45	8
WDX32160		160					
WDX32180		180					
WDX32200		200					
WDX32224		224					
WDX32250		250					
WDX40160	40	160	40	50	41.5	56	8
WDX40180		180					
WDX40200		200					
WDX40224		224					
WDX40250		250					
WDX40280		280					
WDX50160	50	160	50	60	46.5	70	10
WDX50180		180					
WDX50200		200					
WDX50224		224					
WDX50250		250					
WDX50280		280					
WDX50315		315					
WDX63200	63	200	63	80	53	80	10
WDX63224		224					
WDX63250		250					
WDX63280		280					
WDX63315		315					
WDX63355		355					
WDX63400		400					
WDX80224	80	224	80	90	61.5	100	10
WDX80250		250					
WDX80280		280					
WDX80315		315					
WDX80355		355					
WDX80400		400					
WDX80500		500					
WDX100280	100	280	100	110	71.5	125	10
WDX100315		315					
WDX100355		355					
WDX100400		400					
WDX100500		500					

SŁUPY PROWADZĄCE

GUIDE PILLARS

AFNOR

CS

Materiał / Material

STAL / STEEL

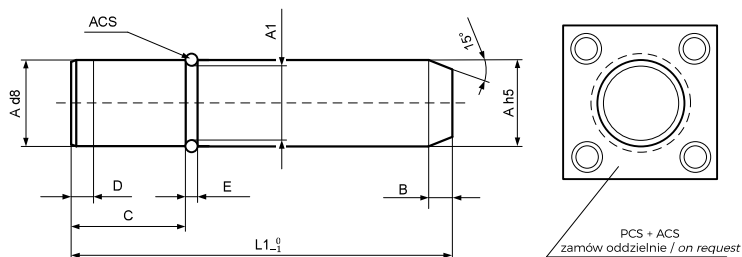
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: CS50250

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A	L1	A1	B	C	D	E
CS25100	25	100	22,3	8	25	8	2,7
CS25125		125					
CS25140		140					
CS25160		160					
CS25180		180					
CS25200		200					
CS25220	32	220	27,8	10	32	12	4,2
CS32125		125					
CS32140		140					
CS32160		160					
CS32180		180					
CS32200		200					
CS32220	40	220	35,8	12	63	12	4,2
CS32250		250					
CS40180		180					
CS40200		200					
CS40220		220					
CS40250		250					
CS40280	50	280	45,8	16	80	12	4,2
CS40315		315					
CS50200		200					
CS50220		220					
CS50250		250					
CS50280		280					
CS50315	63	315	56,8	16	100	18	6,2
CS50355		355					
CS50400		400					
CS63250		250					
CS63280		280					
CS63315		315					
CS63355	80	355	73,8	16	125	18	6,2
CS63400		400					
CS63450		450					
CS63500		500					
CS80315		315					
CS80355		355					
CS80400	100	400	93,8	16	160	18	6,2
CS80450		450					
CS80500		500					
CS100355		355					
CS100400		400					
CS100450		450					
CS100500		500					

Elementy prowadzące do tłoczników

KOŁNIERZE MOCUJĄCE DO SŁUPÓW CS

RETAINERS FOR GUIDE PILLARS CS

PCS

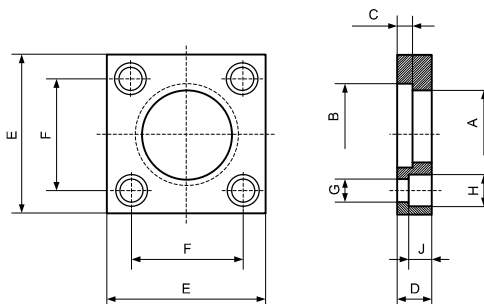
AFNOR

Materiał / Material

1.1730

Jak zamówić / How to order

Symbol: PCS40



Symbol	A	B	C	H	J	D	C	E	F
PCS25	25	28	6,6	11	7	10	2,7	45	31
PCS32	32	37	6,6	11	7	10	4,2	56	36
PCS40	40	45	6,6	11	7	12	4,2	70	50
PCS50	50	55	9	15	9	14	4,2	80	55
PCS63	63	70	11	18	11	18	6,2	100	70
PCS80	80	87	13	20	14	20	6,2	110	80
PCS100	100	107	13	20	14	20	6,2	140	100

PIERŚCIEŃ MOCUJĄCE DO SŁUPÓW CS

RINGS FOR GUIDE PILLARS CS

ACS

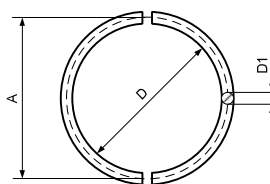
AFNOR

Materiał / Material

STAL / STEEL

Jak zamówić / How to order

Symbol: ACS40



Symbol	A	D	D1
ACS25	25	22,5	2,5
ACS32	32	28	4
ACS40	40	36	4
ACS50	50	46	4
ACS63	63	57	6
ACS80	80	74	6
ACS100	100	94	6

SŁUPY STOŻKOWE Z PODKŁADKĄ I ŚRUBĄ

DEMOUNTABLE CONICAL PILLARS (WITH WASHER AND SCREW)

DIN 9825 / ISO 9182-4

C5A

Materiał / Material

1.7131

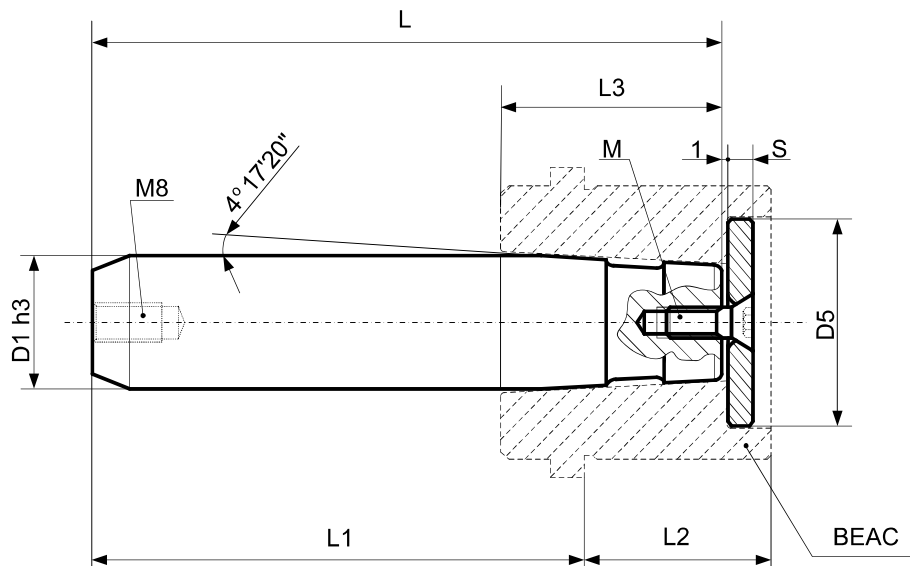
Twardość / Hardness

61 ± 63 HRC

Jak zamówić / How to order

Symbol: C5A32200

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L1	L3	L	M	S	D5
C5A24100	24	C5A25100	25	100	35	123	M8x20	3	25
C5A24112		C5A25112		112		135			
C5A24125		C5A25125		125		148			
C5A24140		C5A25140		140		163			
C5A24160		C5A25160		160		183			
C5A24180		C5A25180		180		203			
C5A24200		C5A25200		200		223			
C5A24224		C5A25224		224		247			
C5A24250	30	C5A25250	32	250	48	273	M8x20	3	32
C5A30112		C5A32112		112		145			
C5A30125		C5A32125		125		158			
C5A30140		C5A32140		140		173			
C5A30160		C5A32160		160		193			
C5A30180		C5A32180		180		213			
C5A30200		C5A32200		200		233			
C5A30224		C5A32224		224		257			
C5A30250	38	C5A32250	40	250	48	283	M8x20	5	40
C5A30280		C5A32280		280		313			
C5A38125		C5A40125		125		158			
C5A38140		C5A40140		140		173			
C5A38160		C5A40160		160		193			
C5A38180		C5A40180		180		213			
C5A38200		C5A40200		200		233			
C5A38224		C5A40224		224		257			
C5A38250	38	C5A40250	40	250	48	283	M8x20	5	40
C5A38280		C5A40280		280		313			
C5A38315		C5A40315		315		348			
C5A38315		C5A40315		315		348			

SŁUPY STOŻKOWE Z PODKŁADKĄ I ŚRUBĄ

DEMOUNTABLE CONICAL PILLARS (WITH WASHER AND SCREW)

DIN 9825 / ISO 9182-4

C5A

Symbol	D1	Symbol	D1	L1	L3	L	M	S	D5
C5A48140	48	C5A50140	50	140	58	180	M10x20	5	50
C5A48160		C5A50160		160		200			
C5A48180		C5A50180		180		220			
C5A48200		C5A50200		200		240			
C5A48224		C5A50224		224		264			
C5A48250		C5A50250		250		290			
C5A48280		C5A50280		280		320			
C5A48315		C5A50315		315		355			
C5A48355		C5A50355		355		395			
C5A60160	60	C5A63160	63	160	69	211	M12x30	6	63
C5A60180		C5A63180		180		231			
C5A60200		C5A63200		200		251			
C5A60224		C5A63224		224		275			
C5A60250		C5A63250		250		301			
C5A60280		C5A63280		280		331			
C5A60315		C5A63315		315		366			
C5A60355		C5A63355		355		406			

TULEJE STOŻKOWE

DEMOUNTABLE CONICAL BUSH

DIN 9825 / ISO 9182-4

BEAC

Materiał / Material

1.7131

Twardość / Hardness

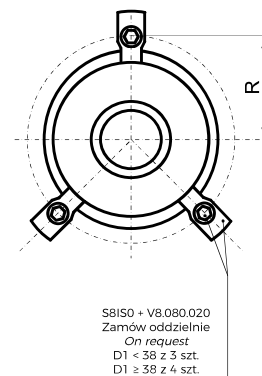
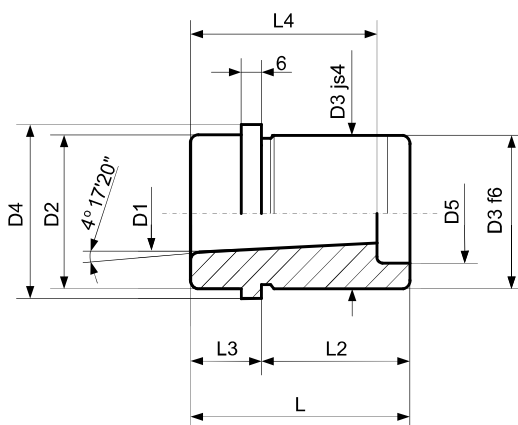
61 + 63 HRC

Jak zamówić / How to order

Symbol: BEAC3247

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L	D2	D3	D4	D5	R	L2	L3	L4
BEAC2437	24	49	40	40	48	26	30	37	12	36
BEAC2447	24	59	40	40	48	26	30	47	12	36
BEAC2537	25	49	40	40	48	26	30	37	12	36
BEAC2547	25	59	40	40	48	26	30	47	12	36
BEAC3037	30	52	48	48	56	33	33,5	37	15	49
BEAC3047	30	62	48	48	56	33	33,5	47	15	49
BEAC3237	32	52	48	48	56	33	33,5	37	15	49
BEAC3247	32	62	48	48	56	33	33,5	47	15	49
BEAC3847	38	62	58	58	66	41	38,5	47	15	49
BEAC3860	38	75	58	58	66	41	38,5	60	15	49

Symbol	D1	L	D2	D3	D4	D5	R	L2	L3	L4
BEAC4047	40	62	58	58	66	41	38,5	47	15	49
BEAC4060	40	75	58	58	66	41	38,5	60	15	49
BEAC4847	48	65	70	70	80	51	45,5	47	18	59
BEAC4860	48	78	70	70	80	51	45,5	60	18	59
BEAC5047	50	65	70	70	80	51	45,5	47	18	59
BEAC5060	50	78	70	70	80	51	45,5	60	18	59
BEAC6060	60	78	85	85	95	64	53	60	18	70
BEAC6077	60	95	85	85	95	64	53	77	18	70
BEAC6360	63	78	85	85	95	64	53	60	18	70
BEAC6377	63	95	85	85	95	64	53	77	18	70

TULEJE PROWADZĄCE

DEMOUNTABLE BUSH

ISO 9448-6

BEA

Materiał / Material

1.7131

Twardość / Hardness

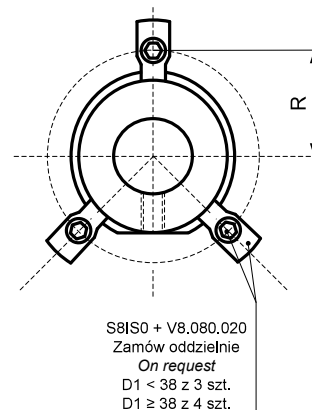
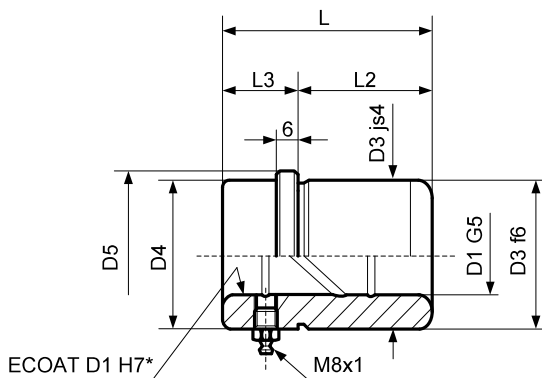
61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: **BEA40-5**
+
***ECOAT**

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 5 / TYPE 5								
Symbol	D1	D3	D4	D5	R	L	L2	L3
BEA19-5	19	32	32	40	26	35	23	12
BEA20-5	20	32	32	40	26	35	23	12
BEA24-5	24	40	40	48	30	35	23	12
BEA25-5	25	40	40	48	30	35	23	12
BEA30-5	30	48	48	56	33,5	42	30	12
BEA32-5	32	48	48	56	33,5	42	30	12
BEA38-5	38	58	58	66	38,5	52	37	15
BEA40-5	40	58	58	66	38,5	52	37	15
BEA48-5	48	70	70	80	45,5	65	47	18
BEA50-5	50	70	70	80	45,5	65	47	18
BEA60-5	60	85	85	95	53	80	60	20
BEA63-5	63	85	85	95	53	80	60	20

*OPCJONALNIE

Powłoka **ECOAT**
Tolerancja D1 H7

Za pomocą mechanicznej obróbki na powierzchni tworzone są mikropory, które wypełnione są polimerami fluorowęglowymi.

Dzięki temu procesowi, zużycie powierzchni polimerów nie zmienia właściwości obróbki.

Dobre właściwości przeciw zacieraniu, niski współczynnik tarcia (0,06) są opracowywane przez połączenie fluoropolimeru i grafitu.

*Optional
Coating **ECOAT**
Tolerance D1 H7

By a mechanical treatment, superficially some micropores are forming.

This microporosity is filled with fluorocarbon polymers. Thanks to this process, the surface wear of polymers does not change characteristics of treatment.

Good anti-seized properties and low friction coefficient (0,06) are developed through the combination of fluoropolymers and graphite.

TULEJE PROWADZĄCE

DEMOUNTABLE BUSH

ISO 9448-6

BEA

Materiał / Material

1.7131

Twardość / Hardness

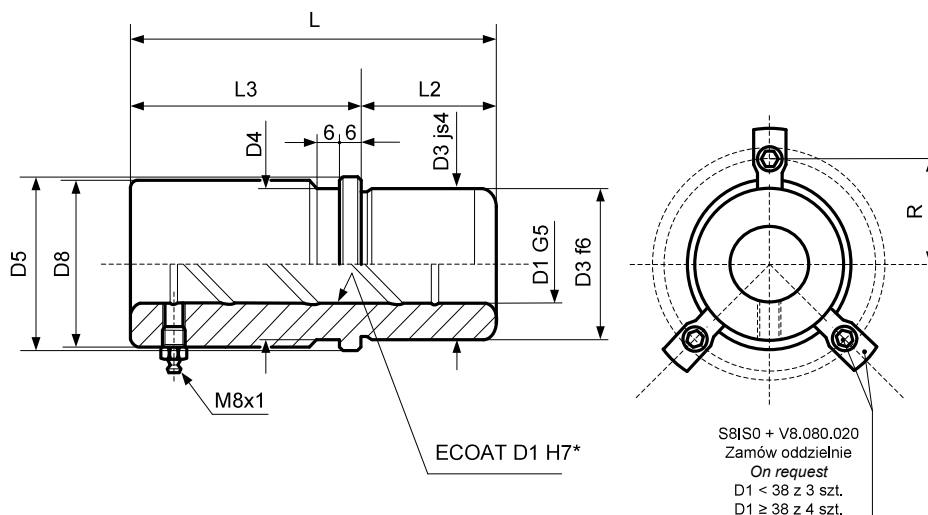
61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: **BEA40-1**
+
*ECOAT

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



S8ISO + V8.080.020
Zamów oddzielnie
On request
D1 < 38 z 3 szt.
D1 ≥ 38 z 4 szt.

TYP 4 / TYPE 4									
Symbol	D1	D3	D4	D5	D8	R	L	L2	L3
BEA19-4	19	32	32	40	39	26	43	23	20
BEA20-4	20	32	32	40	39	26	43	23	20
BEA24-4	24	40	40	48	46	30	59	23	36
BEA25-4	25	40	40	48	46	30	59	23	36
BEA30-4	30	48	48	56	53	33,5	75	30	45
BEA32-4	32	48	48	56	53	33,5	75	30	45
BEA38-4	38	58	58	66	63	38,5	82	37	45
BEA40-4	40	58	58	66	63	38,5	82	37	45
BEA48-4	48	70	70	80	77	45,5	97	47	50
BEA50-4	50	70	70	80	77	45,5	97	47	50
BEA60-4	60	85	85	95	92	53	116	60	56
BEA63-4	63	85	85	95	92	53	116	60	56

TYP 1 / TYPE 1									
Symbol	D1	D3	D4	D5	D8	R	L	L2	L3
BEA19-1	19	32	32	40	39	26	59	23	36
BEA20-1	20	32	32	40	39	26	59	23	36
BEA24-1	24	40	40	48	46	30	79	23	56
BEA25-1	25	40	40	48	46	30	79	23	56
BEA30-1	30	48	48	56	53	33,5	93	30	63
BEA32-1	32	48	48	56	53	33,5	93	30	63
BEA38-1	38	58	58	66	63	38,5	108	37	71
BEA40-1	40	58	58	66	63	38,5	108	37	71
BEA48-1	48	70	70	80	77	45,5	127	47	80
BEA50-1	50	70	70	80	77	45,5	127	47	80
BEA60-1	60	85	85	95	92	53	150	60	90
BEA63-1	63	85	85	95	92	53	150	60	90

*OPCJONALNIE

Powłoka **ECOAT**
Tolerancja D1 H7

Za pomocą mechanicznej obróbki na powierzchni tworzone są mikropory, które wypełnione są polimerami fluorowęglowymi.

Dzięki temu procesowi, zużycie powierzchni polimerów nie zmienia właściwości obróbki.

Dobre właściwości przeciw zacieraniu, niski współczynnik tarcia (0.06) są opracowywane przez połączenie fluoropolimeru i grafitu.

*Optional
Coating **ECOAT**
Tolerance D1 H7

By a mechanical treatment, superficially some micropores are forming.

This microporosity is filled with fluorocarbon polymers. Thanks to this process, the surface wear of polymers does not change characteristics of treatment.

Good anti-seized properties and low friction coefficient (0,06) are developed through the combination of fluoropolymers and graphite.

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

DEMOUNTABLE GUIDE BUSHES STEEL / BRONZE

ISO 9448-6

BEBA

Materiał / Material

C45
BRĄZ / BRONZE

Twardość / Hardness

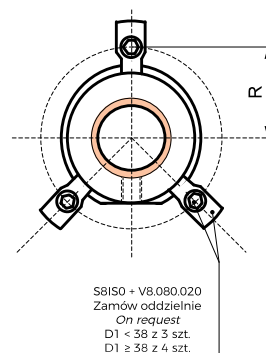
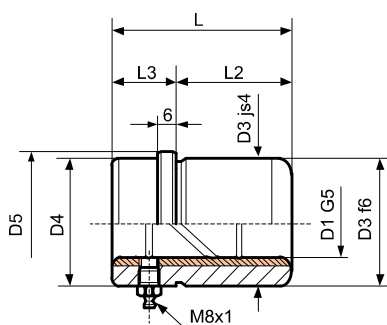
54 ÷ 58 HRC(D3)

Jak zamówić / How to order

Symbol: **BEBA40-5**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 5 / TYPE 5								
Symbol	D1	D3	D4	D5	R	L	L2	L3
BEBA19-5	19	32	32	40	26	35	23	12
BEBA20-5	20	32	32	40	26	35	23	12
BEBA24-5	24	40	40	48	30	35	23	12
BEBA25-5	25	40	40	48	30	35	23	12
BEBA30-5	30	48	48	56	33,5	42	30	12
BEBA32-5	32	48	48	56	33,5	42	30	12
BEBA38-5	38	58	58	66	38,5	52	37	15
BEBA40-5	40	58	58	66	38,5	52	37	15
BEBA48-5	48	70	70	80	45,5	65	47	18
BEBA50-5	50	70	70	80	45,5	65	47	18
BEBA60-5	60	85	85	95	53	80	60	20
BEBA63-5	63	85	85	95	53	80	60	20
BEBA80-5	80	105	105	118	64,5	80	60	20

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

DEMOUNTABLE GUIDE BUSHES STEEL / BRONZE

ISO 9448-6

BEBA

Materiał / Material

C45
BRĄZ / BRONZE

Twardość / Hardness

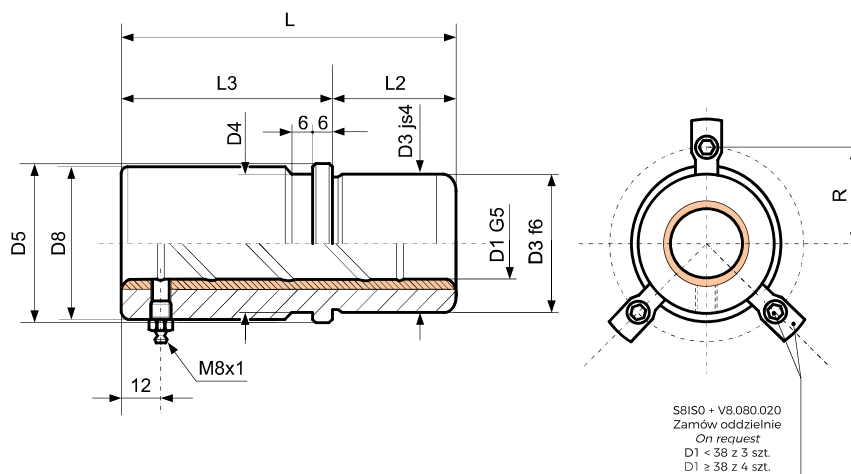
54 ÷ 58 HRC(D3)

Jak zamówić / How to order

Symbol: BEBA40-4

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 4 / TYPE 4									
Symbol	D1	D3	D4	D5	D8	R	L	L2	L3
BEBA19-4	19	32	32	40	39	26	43	23	20
BEBA20-4	20	32	32	40	39	26	43	23	20
BEBA24-4	24	40	40	48	46	30	59	23	36
BEBA25-4	25	40	40	48	46	30	59	23	36
BEBA30-4	30	48	48	56	53	33,5	75	30	45
BEBA32-4	32	48	48	56	53	33,5	75	30	45
BEBA38-4	38	58	58	66	63	38,5	82	37	45
BEBA40-4	40	58	58	66	63	38,5	82	37	45
BEBA48-4	48	70	70	80	77	45,5	97	47	50
BEBA50-4	50	70	70	80	77	45,5	97	47	50
BEBA60-4	60	85	85	95	92	53	116	60	56
BEBA63-4	63	85	85	95	92	53	116	60	56
BEBA80-4	80	105	105	118	115	64,5	120	60	60

TYP 1 / TYPE 1									
Symbol	D1	D3	D4	D5	D8	R	L	L2	L3
BEBA19-1	19	32	32	40	39	26	59	23	36
BEBA20-1	20	32	32	40	39	26	59	23	36
BEBA24-1	24	40	40	48	46	30	79	23	56
BEBA25-1	25	40	40	48	46	30	79	23	56
BEBA30-1	30	48	48	56	53	33,5	93	30	63
BEBA32-1	32	48	48	56	53	33,5	93	30	63
BEBA38-1	38	58	58	66	63	38,5	108	37	71
BEBA40-1	40	58	58	66	63	38,5	108	37	71
BEBA48-1	48	70	70	80	77	45,5	127	47	80
BEBA50-1	50	70	70	80	77	45,5	127	47	80
BEBA60-1	60	85	85	95	92	53	150	60	90
BEBA63-1	63	85	85	95	92	53	150	60	90
BEBA80-1	80	105	105	118	115	64,5	150	60	90

TULEJE PROWADZĄCE Z PIERŚCIENIAMI GRAFITOWYMI **BEGA**

DEMOUNTABLE BUSH BRONZE WITH SOLID LUBRICANT RINGS

ISO 9448-6

Materiał / Material

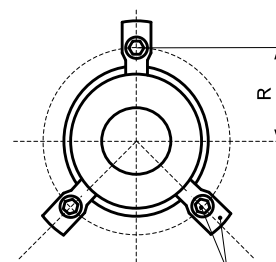
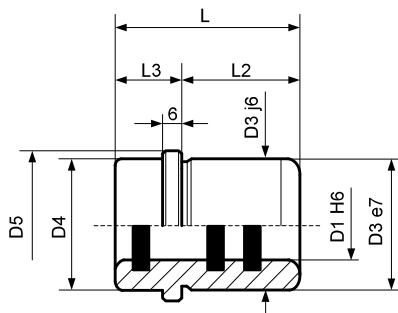
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BEGA40-5**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



S81S0 + V8.080.020
Zamów oddzielnie
On request
D1 < 38 z 3 szt.
D1 ≥ 38 z 4 szt.

TYP 5 / TYPE 5

Symbol	D1	D3	D4	D5	R	L	L2	L3
BEGA19-5	19	32	32	40	26	35	23	12
BEGA20-5	20	32	32	40	26	35	23	12
BEGA24-5	24	40	40	48	30	35	23	12
BEGA25-5	25	40	40	48	30	35	23	12
BEGA30-5	30	48	48	56	33,5	42	30	12
BEGA32-5	32	48	48	56	33,5	42	30	12
BEGA38-5	38	58	58	66	38,5	52	37	15
BEGA40-5	40	58	58	66	38,5	52	37	15
BEGA48-5	48	70	70	80	45,5	65	47	18
BEGA50-5	50	70	70	80	45,5	65	47	18
BEGA60-5	60	85	85	95	53	80	60	20
BEGA63-5	63	85	85	95	53	80	60	20
BEGA80-5	80	105	105	118	64,5	80	60	20

TULEJE PROWADZĄCE Z PIERŚCIENIAMI GRAFITOWYMI **BEGA**

DEMOUNTABLE BUSH BRONZE WITH SOLID LUBRICANT RINGS

ISO 9448-6

Materiał / Material

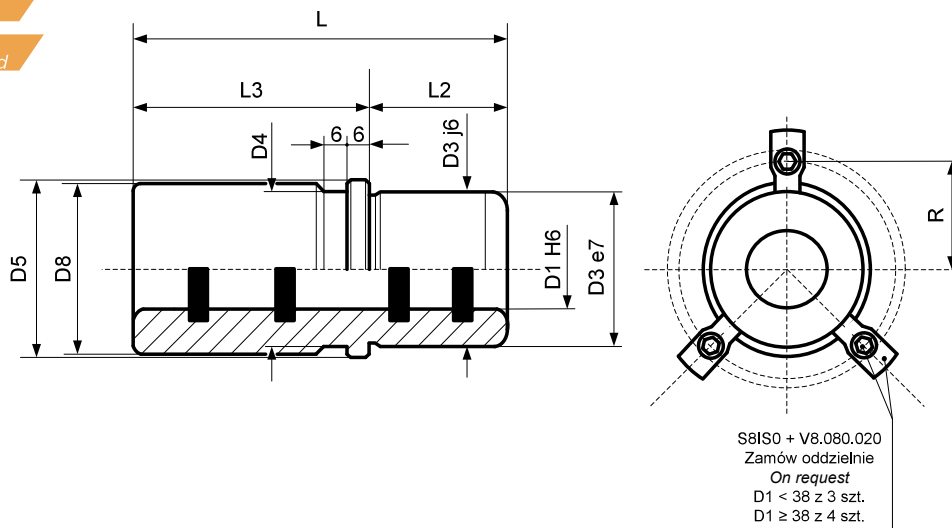
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BEGA40-4**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 4 / TYPE 4									
Symbol	D1	D3	D4	D5	D8	R	L	L2	L3
BEGA19-4	19	32	32	40	39	26	43	23	20
BEGA20-4	20	32	32	40	39	26	43	23	20
BEGA24-4	24	40	40	48	46	30	59	23	36
BEGA25-4	25	40	40	48	46	30	59	23	36
BEGA30-4	30	48	48	56	53	33,5	75	30	45
BEGA32-4	32	48	48	56	53	33,5	75	30	45
BEGA38-4	38	58	58	66	63	38,5	82	37	45
BEGA40-4	40	58	58	66	63	38,5	82	37	45
BEGA48-4	48	70	70	80	77	45,5	97	47	50
BEGA50-4	50	70	70	80	77	45,5	97	47	50
BEGA60-4	60	85	85	95	92	53	116	60	56
BEGA63-4	63	85	85	95	92	53	116	60	56
BEGA80-4	80	105	105	118	115	64,5	120	60	60

TYP 1 / TYPE 1									
Symbol	D1	D3	D4	D5	D8	R	L	L2	L3
BEGA19-1	19	32	32	40	39	26	59	23	36
BEGA20-1	20	32	32	40	39	26	59	23	36
BEGA24-1	24	40	40	48	46	30	79	23	56
BEGA25-1	25	40	40	48	46	30	79	23	56
BEGA30-1	30	48	48	56	53	33,5	93	30	63
BEGA32-1	32	48	48	56	53	33,5	93	30	63
BEGA38-1	38	58	58	66	63	38,5	108	37	71
BEGA40-1	40	58	58	66	63	38,5	108	37	71
BEGA48-1	48	70	70	80	77	45,5	127	47	80
BEGA50-1	50	70	70	80	77	45,5	127	47	80
BEGA60-1	60	85	85	95	92	53	150	60	90
BEGA63-1	63	85	85	95	92	53	150	60	90
BEGA80-1	80	105	105	118	115	64,5	150	60	90

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE

FLANGED GUIDE BUSHES

ISO 9448-4

B5A

Materiał / Material

1.7131

Twardość / Hardness

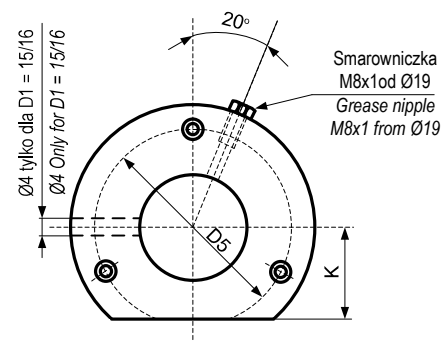
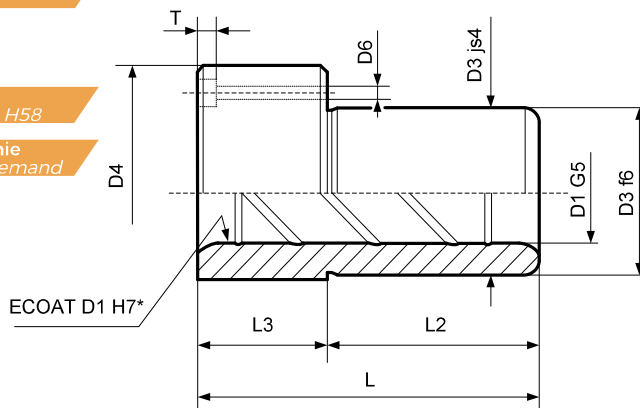
61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: **B5A40-1**
+
ECOAT

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 4 / TYPE 4										
Symbol	D1	D3	D4	D5	D6	T	K	L	L2	L3
B5A15-4	15	28	45	35	4,5	3,4	15	29	23	6
B5A16-4	16	28	45	35	4,5	3,4	15	29	23	6
B5A19-4	19	32	50	40	4,5	4,6	18	38	23	15
B5A20-4	20	32	50	40	4,5	4,6	18	38	23	15
B5A24-4	24	40	63	50	5,5	5,7	23	38	23	15
B5A25-4	25	40	63	50	5,5	5,7	23	38	23	15
B5A30-4	30	48	72	58	5,5	5,7	28	45	30	15
B5A32-4	32	48	72	58	5,5	5,7	28	45	30	15
B5A38-4	38	58	85	70	6,6	6,8	33	55	30	25
B5A40-4	40	58	85	70	6,6	6,8	33	55	30	25
B5A48-4	48	70	104	86	9	9	38	62	37	25
B5A50-4	50	70	104	86	9	9	38	62	37	25

TYP 2 / TYPE 2										
Symbol	D1	D3	D4	D5	D6	T	K	L	L2	L3
B5A15-2	15	28	45	35	4,5	3,4	15	36	30	6
B5A16-2	16	28	45	35	4,5	3,4	15	36	30	6
B5A19-2	19	32	50	40	4,5	4,6	18	45	30	15
B5A20-2	20	32	50	40	4,5	4,6	18	45	30	15
B5A24-2	24	40	63	50	5,5	5,7	23	55	30	25
B5A25-2	25	40	63	50	5,5	5,7	23	55	30	25
B5A30-2	30	48	72	58	5,5	5,7	28	62	37	25
B5A32-2	32	48	72	58	5,5	5,7	28	62	37	25
B5A38-2	38	58	85	70	6,6	6,8	33	67	37	30
B5A40-2	40	58	85	70	6,6	6,8	33	67	37	30
B5A48-2	48	70	104	86	9	9	38	89	47	42
B5A50-2	50	70	104	86	9	9	38	89	47	42
B5A60-2	60	85	120	100	9	9	46	89	47	42
B5A63-2	63	85	120	100	9	9	46	89	47	42

TYP 1 / TYPE 1										
Symbol	D1	D3	D4	D5	D6	T	K	L	L2	L3
B5A19-1	19	32	50	40	4,5	4,6	18	52	37	15
B5A20-1	20	32	50	40	4,5	4,6	18	52	37	15
B5A24-1	24	40	63	50	5,5	5,7	23	62	37	25
B5A25-1	25	40	63	50	5,5	5,7	23	62	37	25
B5A30-1	30	48	72	58	5,5	5,7	28	72	47	25
B5A32-1	32	48	72	58	5,5	5,7	28	72	47	25
B5A38-1	38	58	85	70	6,6	6,8	33	77	47	30
B5A40-1	40	58	85	70	6,6	6,8	33	77	47	30
B5A48-1	48	70	104	86	9	9	38	102	60	42
B5A50-1	50	70	104	86	9	9	38	102	60	42
B5A60-1	60	85	120	100	9	9	46	102	60	42
B5A63-1	63	85	120	100	9	9	46	102	60	42
B5A80-1	80	105	148	125	11	11	56	125	75	50

*OPCJONALNIE
Powłoka ECOAT
Tolerancja D1 H7

Za pomocą mechanicznej obróbki na powierzchni tworzone są mikropory, które wypełnione są polimerami fluorowęglowymi.

Dzięki temu procesowi, zużycie powierzchni polimerów nie zmienia właściwości obróbki.

Dobre właściwości przeciw zacieraniu, niski współczynnik tarcia (0,06) są opracowywane przez połączenie fluoropolimeru i grafitu.

*Optional
Coating ECOAT
Tolerance D1 H7

By a mechanical treatment, superficially some micropores are forming.

This microporosity is filled with fluorocarbon polymers. Thanks to this process, the surface wear of polymers does not change characteristics of treatment.

Good anti-seized properties and low friction coefficient (0,06) are developed through the combination of fluoropolymers and graphite.

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

FLANGED GUIDE BUSHES, STEEL / BRONZE

ISO 9448-4

B5BA

Materiał / Material

1.7131
BRĄZ / BRONZE

Twardość / Hardness

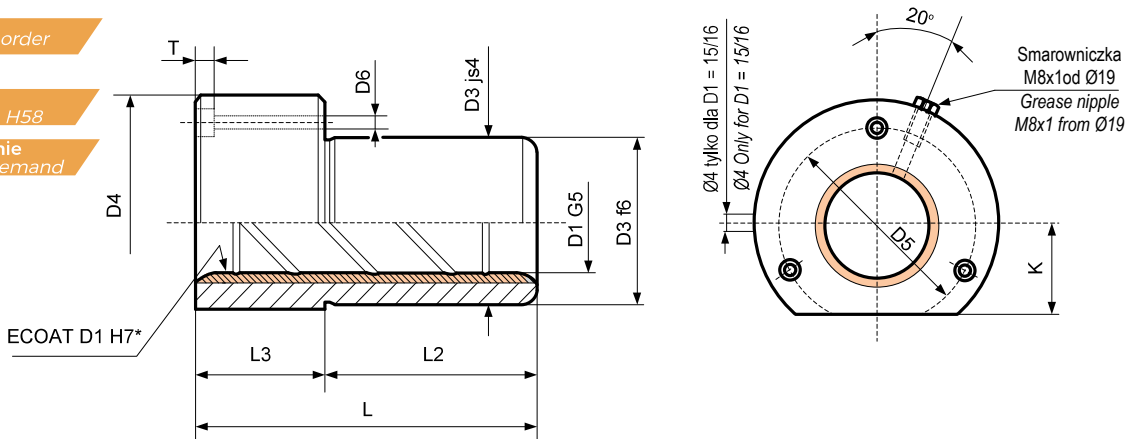
52 ÷ 54 HRC

Jak zamówić / How to order

Symbol: B5BA40-1

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 4 / TYPE 4										
Symbol	D1	D3	D4	D5	D6	T	K	L	L2	L3
B5BA15-4	15	28	45	35	4,5	3,4	15	29	23	6
B5BA16-4	16	28	45	35	4,5	3,4	15	29	23	6
B5BA19-4	19	32	50	40	4,5	4,6	18	38	23	15
B5BA20-4	20	32	50	40	4,5	4,6	18	38	23	15
B5BA24-4	24	40	63	50	5,5	5,7	23	38	23	15
B5BA25-4	25	40	63	50	5,5	5,7	23	38	23	15
B5BA30-4	30	48	72	58	5,5	5,7	28	45	30	15
B5BA32-4	32	48	72	58	5,5	5,7	28	45	30	15
B5BA38-4	38	58	85	70	6,6	6,8	33	55	30	25
B5BA40-4	40	58	85	70	6,6	6,8	33	55	30	25
B5BA48-4	48	70	104	86	9	9	38	62	37	25
B5BA50-4	50	70	104	86	9	9	38	62	37	25

TYP 2 / TYPE 2										
Symbol	D1	D3	D4	D5	D6	T	K	L	L2	L3
B5BA15-2	15	28	45	35	4,5	3,4	15	36	30	6
B5BA16-2	16	28	45	35	4,5	3,4	15	36	30	6
B5BA19-2	19	32	50	40	4,5	4,6	18	45	30	15
B5BA20-2	20	32	50	40	4,5	4,6	18	45	30	15
B5BA24-2	24	40	63	50	5,5	5,7	23	55	30	25
B5BA25-2	25	40	63	50	5,5	5,7	23	55	30	25
B5BA30-2	30	48	72	58	5,5	5,7	28	62	37	25
B5BA32-2	32	48	72	58	5,5	5,7	28	62	37	25
B5BA38-2	38	58	85	70	6,6	6,8	33	67	37	30
B5BA40-2	40	58	85	70	6,6	6,8	33	67	37	30
B5BA48-2	48	70	104	86	9	9	38	89	47	42
B5BA50-2	50	70	104	86	9	9	38	89	47	42
B5BA60-2	60	85	120	100	9	9	46	89	47	42
B5BA63-2	63	85	120	100	9	9	46	89	47	42

TYP 1 / TYPE 1										
Symbol	D1	D3	D4	D5	D6	T	K	L	L2	L3
B5BA19-1	19	32	50	40	4,5	4,6	18	52	37	15
B5BA20-1	20	32	50	40	4,5	4,6	18	52	37	15
B5BA24-1	24	40	63	50	5,5	5,7	23	62	37	25
B5BA25-1	25	40	63	50	5,5	5,7	23	62	37	25
B5BA30-1	30	48	72	58	5,5	5,7	28	72	47	25
B5BA32-1	32	48	72	58	5,5	5,7	28	72	47	25
B5BA38-1	38	58	85	70	6,6	6,8	33	77	47	30
B5BA40-1	40	58	85	70	6,6	6,8	33	77	47	30
B5BA48-1	48	70	104	86	9	9	38	102	60	42
B5BA50-1	50	70	104	86	9	9	38	102	60	42
B5BA60-1	60	85	120	100	9	9	46	102	60	42
B5BA63-1	63	85	120	100	9	9	46	102	60	42
B5BA80-1	80	105	148	125	11	11	56	125	75	50

Elementy prowadzące do tłoczników

KOSZYKI KULKOWE MOSIĘŻNE

BALL CAGES WITH RETAINING RING

GSA

Materiał / Material

KOSZYK MOSIĄDZ

CAGE: BRASS

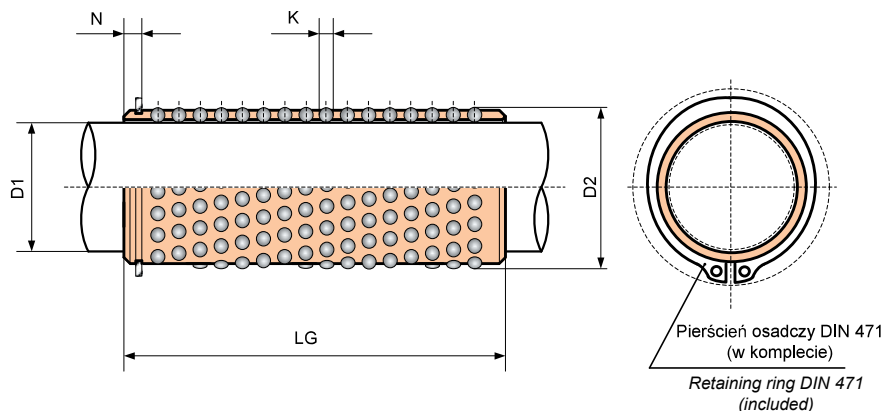
KULKI: STAL HARTOWANA DIN 5401

BALLS: HARDENED STEEL DIN 5401

Jak zamówić / How to order

Symbol: **GSA60160**

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GSA310	3	5	GSA410	4	6	10	1	-
GSA315			GSA415			15		
GSA320			GSA420			20		
			GSA425			25		
GSA510	5	7	GSA610	6	8	10	1	-
GSA515			GSA615			15		
GSA520			GSA620			20		
GSA525			GSA625			25		
GSA530			GSA630			30		
			GSA810	8	10	10	1	-
			GSA815			15		
			GSA820			20		
			GSA825			25		
			GSA830			30		
			GSA840			40		
			GSA1015	10	14	15	2	-
			GSA1020			20		
			GSA1025			25		
			GSA1030			30		
			GSA1040			40		
			GSA1220	12	16	20	2	2.20
			GSA1225			25		
			GSA1230			30		
			GSA1240			40		
			GSA1256			56		
GSA1531	15	21	GSA1631	16	22	31	3	2.90
GSA1540			GSA1640			40		
GSA1545			GSA1645			45		
GSA1556			GSA1656			56		
GSA1563			GSA1663			63		
GSA1571			GSA1671			71		
			GSA1845	18	24	45	3	2.90
			GSA1856			56		
			GSA1871			71		
GSA1945	19	25	GSA2045	20	26	45	3	2.90
GSA1956			GSA2056			56		
GSA1971			GSA2071			71		
GSA1980			GSA2080			80		
GSA1995			GSA2095			95		
GSA2440	24	30	GSA2540	25	31	40	3	3.20
GSA2445			GSA2545			45		
GSA2456			GSA2556			56		
GSA2471			GSA2571			71		
GSA2480			GSA2580			80		
GSA2495			GSA2595			95		
GSA24105			GSA25105			105		
GSA24120			GSA25120			120		

Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GSA3040			GSA3240			40		
GSA3045			GSA3245			45		
GSA3050			GSA3250			50		
GSA3056			GSA3256			56		
GSA3071	30	38	GSA3271	32	40	71	4	3.95
GSA3075			GSA3275			75		
GSA3080			GSA3280			80		
GSA3095			GSA3295			95		
GSA30105			GSA32105			105		
GSA30120			GSA32120			120		
GSA30140			GSA32140			140		
GSA30160			GSA32160			160		
GSA3845			GSA4045			45		
GSA3850			GSA4050			50		
GSA3856			GSA4056			56		
GSA3863			GSA4063			63		
GSA3880	38	46	GSA4080	40	48	80	4	3.95
GSA3895			GSA4095			95		
GSA38105			GSA40105			105		
GSA38120			GSA40120			120		
GSA38140			GSA40140			140		
GSA38160			GSA40160			160		
GSA38180			GSA40180			180		
GSA38200			GSA40200			200		
GSA38240			GSA40240			240		
GSA4850			GSA5050			50		
GSA4863			GSA5063			63		
GSA4880			GSA5080			80		
GSA4895			GSA5095			95		
GSA48105	48	56	GSA50105	50	58	105	4	4.25
GSA48120			GSA50120			120		
GSA48140			GSA50140			140		
GSA48160			GSA50160			160		
GSA48180			GSA50180			180		
GSA48200			GSA50200			200		
GSA48240			GSA50240			240		
GSA6095			GSA6395			95		
GSA60105			GSA63105			105		
GSA60120			GSA63120			120		
GSA60140			GSA63140			140		
GSA60160	60	68	GSA63160	63	71	160	4	4.75
GSA60180			GSA63180			180		
GSA60200			GSA63200			200		
GSA60240			GSA63240			240		
			GSA80120	80	92	120	6	6.15
			GSA80140			140		
			GSA80160			160		
			GSA80180			180		
			GSA80200			200		
			GSA80240			240		

Elementy prowadzące do tłoczników

KOSZYKI KULKOWE Z BLOKADĄ

BALL CAGE WITH ARREST GROOVE

GSAB

Materiał / Material

KOSZYK MOSIĄDZ

CAGE: BRASS

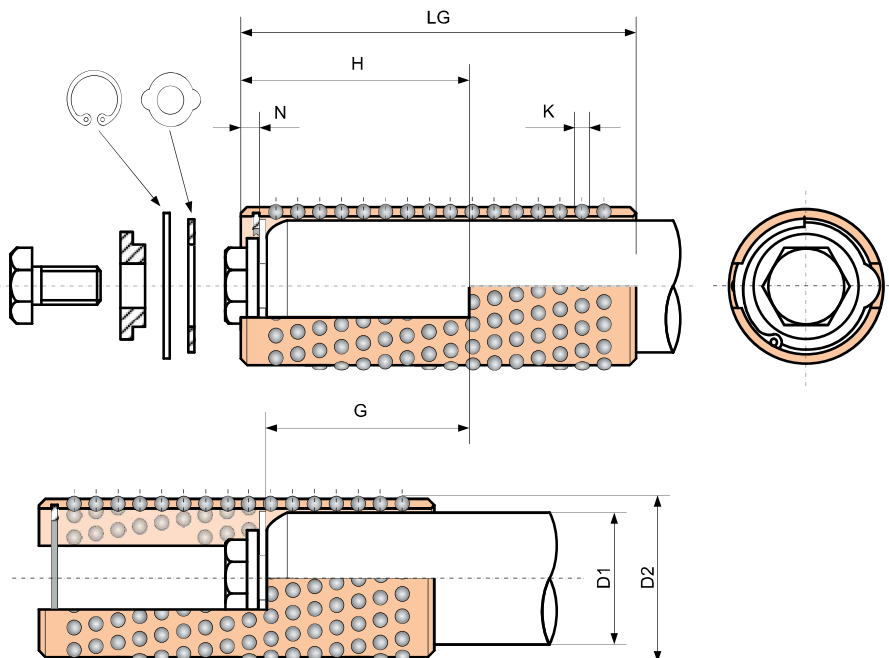
KULKI: STAL HARTOWANA DIN 5401

BALLS: HARDENED STEEL DIN 5401

Jak zamówić / How to order

Symbol: GSAB60140

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	Symbol	D1	D2	LG	H	G	K	N
GSAB1956	19	25	GSAB2056	20	26	56	31	26,9	3	2,6
GSAB1972			GSAB2072			72	41	36,9		
GSAB1980			GSAB2080			80	51	46,9		
GSAB2456	24	30	GSAB2556	25	31	56	31	26,9	3	2,6
GSAB2472			GSAB2572			72	41	36,9		
GSAB2480			GSAB2580			80	51	46,9		
GSAB3070	30	38	GSAB3270	32	40	70	41	36,9	4	2,6
GSAB3080			GSAB3280			80	51	46,9		
GSAB3095			GSAB3295			95	61	56,9		
GSAB30105			GSAB32105			105	61	56,9		
GSAB3880	38	46	GSAB4080	40	48	80	51	45,5	4	3,5
GSAB3895			GSAB4095			95	61	55,5		
GSAB38105			GSAB40105			105	61	55,5		
GSAB38120			GSAB40120			120	73	67,5		
GSAB4880	48	56	GSAB5080	50	58	80	51	44,7	4	4,3
GSAB4895			GSAB5095			95	61	54,7		
GSAB48105			GSAB50105			105	61	54,7		
GSAB48120			GSAB50120			120	73	66,7		
GSAB6095	60	68	GSAB6395	63	71	95	61	54,7	4	4,3
GSAB60120			GSAB63120			120	73	66,7		
GSAB60140			GSAB63140			140	83	76,7		
			GSAB8095	80	92	95	61	54	6	5
			GSAB80120			120	73	66		
			GSAB80140			140	83	76		

Elementy prowadzące do tłoczników

KOSZYKI KULKOWE Z TWORZYWA SZTUCZNEGO

PLASTIC BALL CAGE

GSAP

Materiał / Material

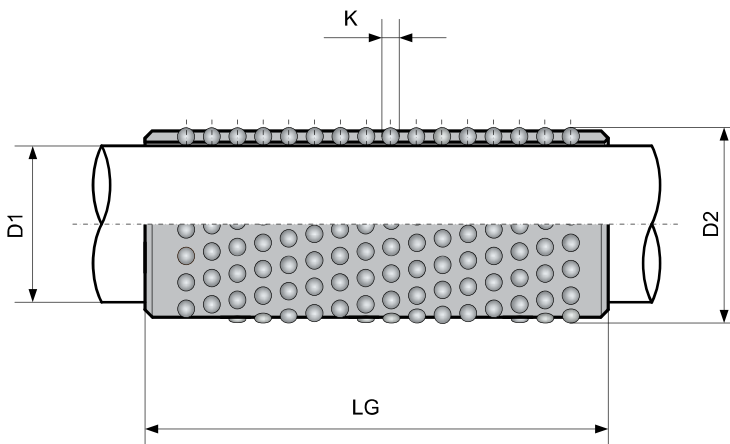
KOSZYK: POLIOCTAN
CAGE: POLYACETAT

KULKI: STAL HARTOWANA DIN 5401
BALLS: HARDENED STEEL DIN 5401

Jak zamówić / How to order

Symbol: GSAP1243

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	Symbol	D1	D2	LG	K
GSAP1030	10	14	GSAP1230	12	16	30	2
GSAP1038			GSAP1238			38	
GSAP1043			GSAP1243			43	
GSAP1530	15	21	GSAP1630	16	22	30	3
GSAP1538			GSAP1638			38	
GSAP1543			GSAP1643			43	
GSAP1554			GSAP1654			54	
GSAP1563			GSAP1663			63	
GSAP1930	19	25	GSAP2030	20	26	30	3
GSAP1938			GSAP2038			38	
GSAP1943			GSAP2043			43	
GSAP1954			GSAP2054			54	
GSAP1963			GSAP2063			63	
GSAP1974			GSAP2074			74	
GSAP2430	24	30	GSAP2530	25	31	30	3
GSAP2438			GSAP2538			38	
GSAP2443			GSAP2543			43	
GSAP2454			GSAP2554			54	
GSAP2463			GSAP2563			63	
GSAP2474			GSAP2574			74	
GSAP2483			GSAP2583			83	
GSAP2490			GSAP2590			90	

Symbol	D1	D2	Symbol	D1	D2	LG	K
GSAP3038	30	38	GSAP3238	32	40	38	4
GSAP3043			GSAP3243			43	
GSAP3054			GSAP3254			54	
GSAP3058			GSAP3258			58	
GSAP3068			GSAP3268			68	
GSAP3074			GSAP3274			74	
GSAP3083			GSAP3283			83	
GSAP3088			GSAP3288			88	
GSAP30103			GSAP32103			103	
GSAP30108			GSAP32108			108	
GSAP3838	38	46	GSAP4038	40	48	38	4
GSAP3843			GSAP4043			43	
GSAP3858			GSAP4058			58	
GSAP3868			GSAP4068			68	
GSAP3888			GSAP4088			88	
GSAP3894			GSAP4094			94	
GSAP38108			GSAP40108			108	
GSAP38128			GSAP40128			128	

Elementy prowadzące do tłoczników

KOSZYKI WAŁECZKOWE

ROLLER CAGES

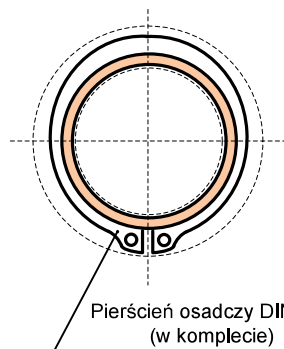
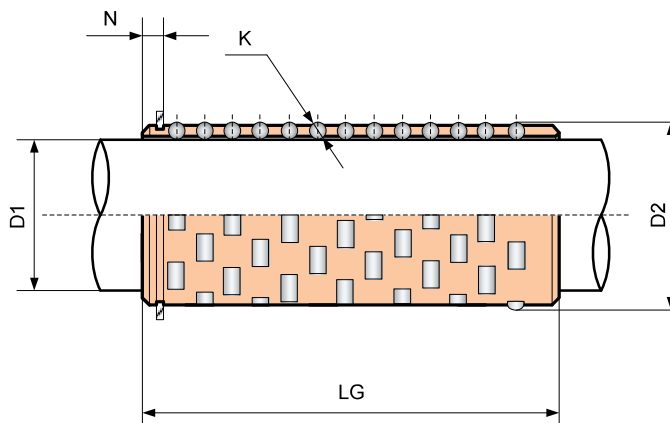
GRA

Materiał / Material

KOSZYK: MOSIĄDZ LUB ALUMINIUM
WAŁECZKI: 1.3505 60-64HRC
CAGE: BRASS OR ALUMINUM,
ROLLERS: 1.3505 60-64HRC

Jak zamówić / How to order

Symbol: GRA32065B
B - MOSIĄDZ / BRASS
A - ALUMINIUM / ALUMINUM



Pierścień osadczy DIN 471
(w komplecie)

Retaining ring DIN 471
(included)

Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GRA15041	15	21	GRA16041	16	22	41	3	2,90
GRA15049			GRA16049			49		
GRA19045	19	25	GRA20045	20	26	45	3	2,90
GRA19055			GRA20055			55		
GRA19065			GRA20065			65		
GRA19075			GRA20075			75		
GRA19085			GRA20085			85		
GRA19095			GRA20095			95		
GRA19105			GRA20105			105		
GRA24045	24	30	GRA25045	25	31	45	3	3,20
GRA24055			GRA25055			55		
GRA24065			GRA25065			65		
GRA24075			GRA25075			75		
GRA24085			GRA25085			85		
GRA24095			GRA25095			95		
GRA24105			GRA25105			105		
GRA24115			GRA25115			115		
GRA24125	GRA25125	125						
GRA30045	30	38	GRA32045	32	40	45	4	3,95
GRA30055			GRA32055			55		
GRA30065			GRA32065			65		
GRA30075			GRA32075			75		
GRA30085			GRA32085			85		
GRA30095			GRA32095			95		
GRA30105			GRA32105			105		
GRA30115			GRA32115			115		
GRA30125			GRA32125			125		
GRA30135			GRA32135			135		
GRA30145			GRA32145			145		
GRA30155			GRA32155			155		
GRA30165	GRA32165	165						
GRA38055	38	46	GRA40055	40	48	55	4	3,95
GRA38065			GRA40065			65		
GRA38075			GRA40075			75		
GRA38085			GRA40085			85		
GRA38095			GRA40095			95		
GRA38105			GRA40105			105		
GRA38115			GRA40115			115		
GRA38125			GRA40125			125		
GRA38135			GRA40135			135		
GRA38145			GRA40145			145		
GRA38155			GRA40155			155		
GRA38165			GRA40165			165		
GRA38175			GRA40175			175		
GRA38185			GRA40185			185		
GRA38205	GRA40205	205						

Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GRA48065	48	56	GRA50065	50	58	65	4	4,25
GRA48075			GRA50075			75		
GRA48085			GRA50085			85		
GRA48095			GRA50095			95		
GRA48105			GRA50105			105		
GRA48115	48	56	GRA50115	50	58	115	4	4,25
GRA48125			GRA50125			125		
GRA48135			GRA50135			135		
GRA48145			GRA50145			145		
GRA48155			GRA50155			155		
GRA48165	48	56	GRA50165	50	58	165	4	4,25
GRA48175			GRA50175			175		
GRA48185			GRA50185			185		
GRA48205			GRA50205			205		
GRA60075	60	68	GRA63075	63	71	75	4	4,75
GRA60085			GRA63085			85		
GRA60095			GRA63095			95		
GRA60105			GRA63105			105		
GRA60115			GRA63115			115		
GRA60125	60	68	GRA63125	63	71	125	4	4,75
GRA60135			GRA63135			135		
GRA60145			GRA63145			145		
GRA60155			GRA63155			155		
GRA60165			GRA63165			165		
GRA60175	60	68	GRA63175	63	71	175	4	4,75
GRA60185			GRA63185			185		
GRA60205			GRA63205			205		
GRA60095	60	70	GRA63095	63	73	95	5	5,15
GRA60113			GRA63113			113		
GRA60128			GRA63128			128		
GRA60139			GRA63139			139		
GRA60165			GRA63165			165		
GRA60205	60	70	GRA63205	63	73	205	5	5,15
			GRA80113	80	92	113	6	6,15
			GRA80125			125		
			GRA80138			138		
			GRA80145			145		
			GRA80156			156		
			GRA80185			185	6	6,15
			GRA80205			205		

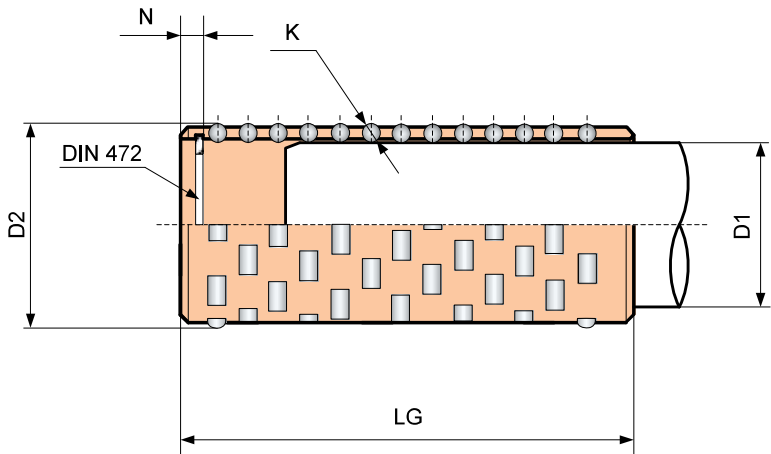
Elementy prowadzące do tłoczników

Materiał / Material

KOSZYK: MOSIĄDZ LUB ALUMINIUM
WAŁECZKI: 1.3505 60-64HRC
CAGE: BRASS OR ALUMINUM,
ROLLERS: 1.3505 60-64HRC

Jak zamówić / How to order

Symbol: GRB32065A
B - MOSIĄDZ / BRASS
A - ALUMINIUM / ALUMINUM



Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GRB15041	15	21	GRB16041	16	22	41	3	3,6
GRB15049			GRB16049			49		
GRB19045	19	25	GRB20045	20	26	45	3	3,6
GRB19055			GRB20055			55		
GRB19065			GRB20065			65		
GRB19075			GRB20075			75		
GRB19085			GRB20085			85		
GRB19095			GRB20095			95		
GRB19105			GRB20105			105		
GRB24045	24	30	GRB25045	25	31	45	3	3,6
GRB24055			GRB25055			55		
GRB24065			GRB25065			65		
GRB24075			GRB25075			75		
GRB24085			GRB25085			85		
GRB24095			GRB25095			95		
GRB24105			GRB25105			105		
GRB24115			GRB25115			115		
GRB24125			GRB25125			125		
GRB30045	30	38	GRB32045	32	40	45	4	4,1
GRB30055			GRB32055			55		
GRB30065			GRB32065			65		
GRB30075			GRB32075			75		
GRB30085			GRB32085			85		
GRB30095			GRB32095			95		
GRB30105			GRB32105			105		
GRB30115			GRB32115			115		
GRB30125			GRB32125			125		
GRB30135			GRB32135			135		
GRB30145			GRB32145			145		
GRB30155			GRB32155			155		
GRB30165	GRB32165	165						
GRB38055	38	46	GRB40055	40	48	55	4	4,1
GRB38065			GRB40065			65		
GRB38075			GRB40075			75		
GRB38085			GRB40085			85		
GRB38095			GRB40095			95		
GRB38105			GRB40105			105		
GRB38115			GRB40115			115		
GRB38125			GRB40125			125		
GRB38135			GRB40135			135		
GRB38145			GRB40145			145		
GRB38155			GRB40155			155		
GRB38165			GRB40165			165		
GRB38175			GRB40175			175		
GRB38185			GRB40185			185		
GRB38205	GRB40205	205						

Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GRB48065	48	56	GRB50065	50	58	65	4	4,1
GRB48075			GRB50075			75		
GRB48085			GRB50085			85		
GRB48095			GRB50095			95		
GRB48105			GRB50105			105		
GRB48115	48	56	GRB50115	50	58	115	4	4,1
GRB48125			GRB50125			125		
GRB48135			GRB50135			135		
GRB48145			GRB50145			145		
GRB48155			GRB50155			155		
GRB48165	48	56	GRB50165	50	58	165	4	4,1
GRB48175			GRB50175			175		
GRB48185			GRB50185			185		
GRB48205			GRB50205			205		
GRB60075	60	68	GRB63075	63	71	75	4	4,1
GRB60085			GRB63085			85		
GRB60095			GRB63095			95		
GRB60105			GRB63105			105		
GRB60115			GRB63115			115		
GRB60125	60	68	GRB63125	63	71	125	4	4,1
GRB60135			GRB63135			135		
GRB60145			GRB63145			145		
GRB60155			GRB63155			155		
GRB60165			GRB63165			165		
GRB60175	60	68	GRB63175	63	71	175	4	4,1
GRB60185			GRB63185			185		
GRB60205			GRB63205			205		
GRB60095	60	70	GRB63095	63	73	95	5	4,1
GRB60113			GRB63113			113		
GRB60128			GRB63128			128		
GRB60139			GRB63139			139		
GRB60165			GRB63165			165		
GRB60205	60	70	GRB63205	63	73	205	5	4,1
			GRB80113	80	92	113	6	4,1
			GRB80125			125		
			GRB80138			138		
			GRB80145			145		
			GRB80156			156		
			GRB80185			185		
			GRB80205			205		

KOSZYKI WAŁECZKOWE

ROLLER CAGES

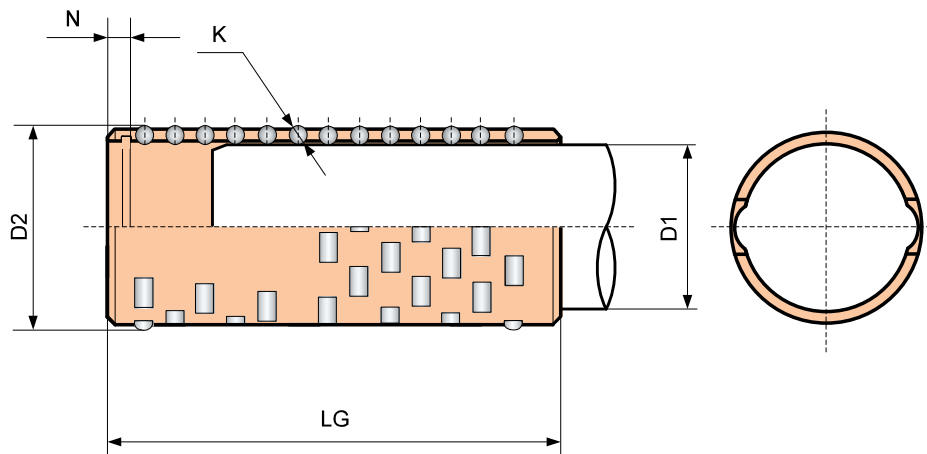
GRC

Materiał / Material

KOSZYK: MOSIĄDZ LUB ALUMINIUM
WAŁECZKI: 1.3505 60-64HRC
CAGE: BRASS OR ALUMINUM,
ROLLERS: 1.3505 60-64HRC

Jak zamówić / How to order

Symbol: GRC32070B
B - MOSIĄDZ / BRASS
A - ALUMINIUM / ALUMINUM



Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GRC24036	24	32	GRC25036	25	33	36	4	4,45
GRC24048			GRC25048			48		
GRC24055			GRC25055			55		
GRC24070			GRC25070			70		
GRC24090			GRC25090			90		
GRC24100			GRC25100			100		
GRC24110			GRC25110			110		
GRC30036	30	38	GRC32036	32	40	36	4	4,45
GRC30048			GRC32048			48		
GRC30070			GRC32070			70		
GRC30090			GRC32090			90		
GRC30105			GRC32105			105		
GRC30115			GRC32115			115		
GRC30125			GRC32125			125		
GRC30135			GRC32135			135		
GRC38048	38	46	GRC40048	40	48	48	4	6,00
GRC38060			GRC40060			60		
GRC38070			GRC40070			70		
GRC38085			GRC40085			85		
GRC38105			GRC40105			105		
GRC38115			GRC40115			115		
GRC38125			GRC40125			125		
GRC38135			GRC40135			135		
GRC38145			GRC40145			145		
GRC38155			GRC40155			155		

Symbol	D1	D2	Symbol	D1	D2	LG	K	N
GRC48070	48	60	GRC50070	50	62	70	6	6,00
GRC48084			GRC50084			84		
GRC48105			GRC50105			105		
GRC48120			GRC50120			120		
GRC48140			GRC50140			140		
GRC48150			GRC50150			150		
GRC48160			GRC50160			160		
GRC48170			GRC50170			170		
GRC48185			GRC50185			185		
GRC48195			GRC50195			195		
GRC60098	60	72	GRC63098	63	75	98	6	7,30
GRC60145			GRC63145			145		
GRC60165			GRC63165			165		
GRC60180			GRC63180			180		
GRC60190			GRC63190			190		
GRC60205			GRC63205			205		
GRC60215			GRC63215			215		
			GRC80098	80	92	98	6	8,50
			GRC80145			145		
			GRC80165			165		
			GRC80180			180		
			GRC80190			190		
			GRC80205			205		
			GRC80215			215		

Elementy prowadzące do tłoczników

KOSZYKI WAŁECZKOWE

ROLLER CAGES

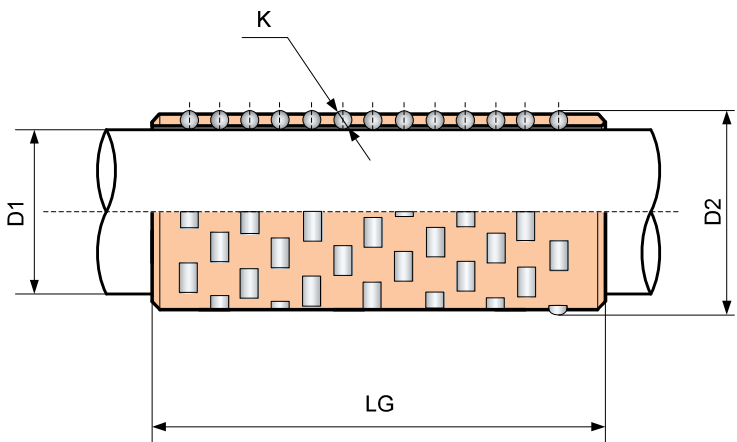
GRD

Materiał / Material

KOSZYK: MOSIĄDZ LUB ALUMINIUM
WAŁECZKI: 1.3505 60-64HRC
CAGE: BRASS OR ALUMINUM,
ROLLERS: 1.3505 60-64HRC

Jak zamówić / How to order

Symbol: GRD32065B
B - MOSIĄDZ / BRASS
A - ALUMINIUM / ALUMINUM



Symbol	D1	D2	Symbol	D1	D2	LG	K
GRD15041	15	21	GRD16041	16	22	41	3
GRD15049			GRD16049			49	
GRD19045	19	25	GRD20045	20	26	45	3
GRD19055			GRD20055			55	
GRD19065			GRD20065			65	
GRD19075			GRD20075			75	
GRD19085			GRD20085			85	
GRD19095	24	30	GRD20095	25	31	95	3
GRD19105			GRD20105			105	
GRD24045			GRD25045			45	
GRD24055			GRD25055			55	
GRD24065			GRD25065			65	
GRD24075			GRD25075			75	
GRD24085			GRD25085			85	
GRD24095			GRD25095			95	
GRD24105	30	38	GRD25105	32	40	105	4
GRD24115			GRD25115			115	
GRD24125			GRD25125			125	
GRD30045			GRD32045			45	
GRD30055			GRD32055			55	
GRD30065			GRD32065			65	
GRD30075			GRD32075			75	
GRD30085			GRD32085			85	
GRD30095	38	46	GRD32095		48	95	4
GRD30105			GRD32105			105	
GRD30115			GRD32115			115	
GRD30125			GRD32125			125	
GRD30135			GRD32135			135	
GRD30145			GRD32145			145	
GRD30155			GRD32155			155	
GRD30165			GRD32165			165	
GRD38055	40	48	GRD40055	40	48	55	4
GRD38065			GRD40065			65	
GRD38075			GRD40075			75	
GRD38085			GRD40085			85	
GRD38095			GRD40095			95	
GRD38105			GRD40105			105	
GRD38115			GRD40115			115	
GRD38125			GRD40125			125	
GRD38135	48	56	GRD40135	48	56	135	4
GRD38145			GRD40145			145	
GRD38155			GRD40155			155	
GRD38165			GRD40165			165	
GRD38175			GRD40175			175	
GRD38185			GRD40185			185	
GRD38205			GRD40205			205	

Symbol	D1	D2	Symbol	D1	D2	LG	K
GRD48065	48	56	GRD50065	50	58	65	4
GRD48075			GRD50075			75	
GRD48085			GRD50085			85	
GRD48095			GRD50095			95	
GRD48105			GRD50105			105	
GRD48115			GRD50115			115	
GRD48125			GRD50125			125	
GRD48135			GRD50135			135	
GRD48145			GRD50145			145	
GRD48155			GRD50155			155	
GRD48165	60	68	GRD50165	63	71	165	4
GRD48175			GRD50175			175	
GRD48185			GRD50185			185	
GRD48205			GRD50205			205	
GRD60075			GRD63075			75	
GRD60085			GRD63085			85	
GRD60095			GRD63095			95	
GRD60105			GRD63105			105	
GRD60115			GRD63115			115	
GRD60125			GRD63125			125	
GRD60135	60	70	GRD63135	63	73	135	5
GRD60145			GRD63145			145	
GRD60155			GRD63155			155	
GRD60165			GRD63165			165	
GRD60175			GRD63175			175	
GRD60185			GRD63185			185	
GRD60205			GRD63205			205	
GRD60095			GRD63095			95	
GRD60113			GRD63113			113	
GRD60128			GRD63128			128	
GRD60139	80	92	GRD63139	80	92	139	6
GRD60165			GRD63165			165	
GRD60205			GRD63205			205	
			GRD80113			113	
			GRD80125			125	
			GRD80138			138	
			GRD80145			145	
			GRD80156			156	
			GRD80185			185	
			GRD80205			205	

Elementy prowadzące do tłoczników

KOSZYKI WAŁECZKOWE DUŻE WYMIARY

GIANT ROLER CAGES

GRE

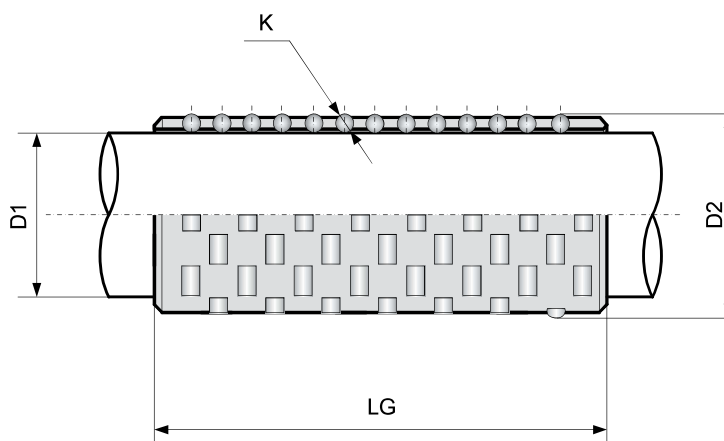
Materiał / Material

KOSZYK: ALUMINIUM
WAŁECZKI: 1.3505 60-64HRC
CAGE: ALUMINUM,
ROLLERS: 1.3505 60-64HRC

Jak zamówić / How to order

Symbol: **GRE150300**

Długość LG jest określona przez klienta
Length LG is given by the customer



Symbol	D1	D2	LG	K
GRE100...	100	112	...	6
GRE120...	120	132	...	6
GRE130...	130	142	...	6
GRE140...	140	152	...	6
GRE150...	150	162	...	6
GRE160...	160	172	...	6
GRE180...	180	192	...	6
GRE200...	200	212	...	6

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE KOSZYK KULKOWY

GUIDE BUSH FOR MINIATURE SET

MAŁE WYMIARY

BGA

Materiał / Material

STAL / STEEL

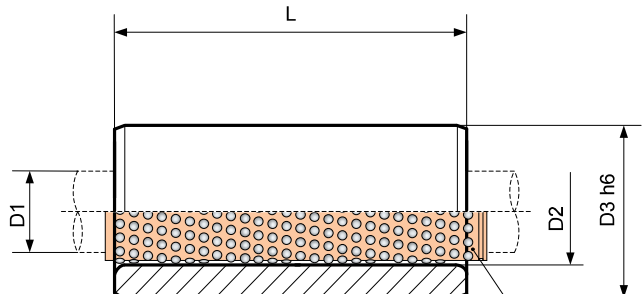
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: **BGA630**

Inne wymiary na żądanie
Other dimensions on demand



koszyk kulkowy GSA str. H42
(zamów oddzielnie)

ball cage GSA order
separately page H42

Elementy prowadzące do tłoczników

Symbol	D1	D2	D3	L
BGA310	3	5	7	10
BGA315				15
BGA320				20
BGA410	4	6	8	10
BGA415				15
BGA420				20
BGA425				25
BGA510	5	7	10	10
BGA515				15
BGA520				20
BGA525				25
BGA530				30
BGA615	6	8	11	15
BGA620				20
BGA625				25
BGA630				30
BGA635				35
BGA640				40
BGA815	8	10	14	15
BGA820				20
BGA825				25
BGA830				30
BGA835				35
BGA840				40
BGA1023	10	14	22	23
BGA1030				30
BGA1037				37
BGA1223	12	16	22	23
BGA1230				30
BGA1237				37

TULEJE PROWADZĄCE KOSZYK KULKOWY

GUIDE BUSH FOR MINIATURE SET

BGB

MAŁE WYMIARY

Materiał / Material

STAL / STEEL

Twardość / Hardness

60 ± 64 HRC

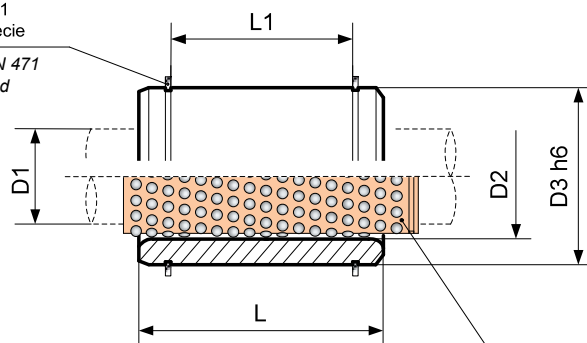
Jak zamówić / How to order

Symbol: BGB630

Inne wymiary na żądanie
Other dimensions on demand



Pierścienie osadcze
DIN 471
w komplecie
Circlips DIN 471
included



koszyk kulkowy GSA str. H42
(zamów oddzielnie)

ball cage GSA order
separately page H42

Symbol	D1	D2	D3	L1	L
BCB310	3	5	7	-	10
BCB320					20
BCB330					30
BCB410	4	6	8	-	10
BCB420					20
BCB430					30
BCB520	5	7	10	10	20
BCB530				20	30
BCB620				10	20
BCB630	6	8	11	20	30
BCB630				30	40
BCB820				10	20
BCB830	8	10	12	20	30
BCB840				30	40
BCB1030				20	30
BCB1040	10	14	22	30	40
BCB1050				40	50
BCB1230				20	30
BCB1240	12	16	22	30	40
BCB1250				40	50

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE KOSZYK KULKOWY

GUIDE BUSH FOR MINIATURE SET

BGC

MAŁE WYMIARY

Materiał / Material

STAL / STEEL

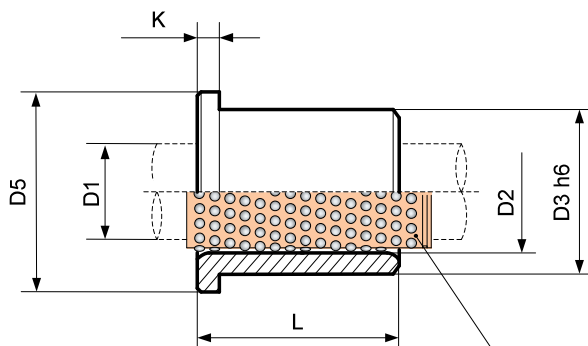
Twardość / Hardness

60 ÷ 64 HRC

Jak zamówić / How to order

Symbol: **BGC630**

Inne wymiary na żądanie
Other dimensions on demand



koszyk kulkowy GSA str. H42
(zamów oddzielnie)

ball cage GSA order
separately page H42

Elementy prowadzące do tłoczników

Symbol	D1	D2	D3	D5	K	L
BGC310	3	5	7	9	2,5	10
BGC320						20
BGC330						30
BGC410	4	6	8	10	3	10
BGC420						20
BGC430						30
BGC510	5	7	10	12	3	10
BGC520						20
BGC530						30
BGC620	6	8	11	13	4	20
BGC630						30
BGC640						40
BGC820	8	10	12	14	4	20
BGC830						30
BGC840						40
BGC1030	10	14	22	24	4	30
BGC1040						40
BGC1050						50
BGC1230	12	16	22	24	4	30
BGC1240						40
BGC1250						50

TULEJE PROWADZĄCE KOSZYK KULKOWY

GUIDE BUSHES FOR BALL CAGE

ISO 9448-3

BLAG

Materiał / Material

1.7131

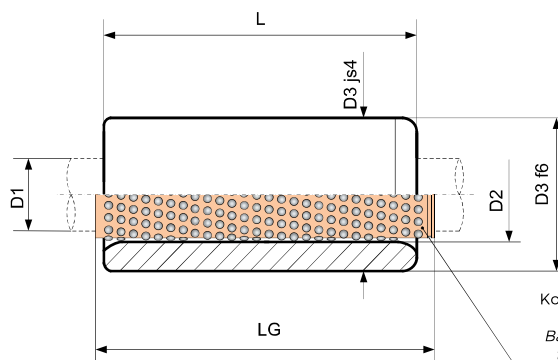
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: **BLAG3030**

Inne wymiary na żądanie
Other dimensions on demand



Koszyk kulkowy GSA str. H42
(zamów oddzielnie)
Ball cage GSA on page H42
to be ordered separately

Symbol	D1	L	LG	D2	D3
BLAG1223	12	23	30	16	22
BLAG1230		30	40		
BLAG1237		37	40		
BLAG1523	15	23	45	21	28
BLAG1530		30	45		
BLAG1537		37	45		
BLAG1547		47	56		
BLAG1560	16	60	71	22	28
BLAG1623		23	45		
BLAG1630		30	45		
BLAG1637		37	45		
BLAG1647		47	56		
BLAG1660	19	60	71	25	32
BLAG1923		23	45		
BLAG1930		30	45		
BLAG1937		37	45		
BLAG1947		47	56		
BLAG1960		60	71		
BLAG1977	20	77	95	26	32
BLAG2023		23	45		
BLAG2030		30	45		
BLAG2037		37	45		
BLAG2047		47	56		
BLAG2060		60	71		
BLAG2077		77	95		
BLAG2423	24	23	45	30	40
BLAG2430		30	45		
BLAG2437		37	45		
BLAG2447		47	56		
BLAG2460		60	71		
BLAG2477	25	77	95	31	40
BLAG2523		23	45		
BLAG2530		30	45		
BLAG2537		37	45		
BLAG2547	30	47	56	38	48
BLAG2560		60	71		
BLAG2577		77	95		
BLAG3030		30	45		
BLAG3037		37	50		
BLAG3047		47	56		
BLAG3060		60	71		
BLAG3077	30	77	95	38	48
BLAG3095		95	120		

Symbol	D1	L	LG	D2	D3
BLAG3230	32	30	45	40	48
BLAG3237		37	50		
BLAG3247		47	56		
BLAG3260		60	71		
BLAG3277		77	95		
BLAG3295	38	95	120	46	58
BLAG3830		30	45		
BLAG3837		37	50		
BLAG3847		47	63		
BLAG3860		60	80		
BLAG3877		77	95		
BLAG3895	40	95	120	48	58
BLAG38120		120	140		
BLAG4030		30	45		
BLAG4037		37	50		
BLAG4047		47	63		
BLAG4060		60	80		
BLAG4077		77	95		
BLAG4095	48	95	120	56	70
BLAG40120		120	140		
BLAG4837		37	50		
BLAG4847		47	63		
BLAG4860		60	80		
BLAG4877		77	95		
BLAG4895		95	120		
BLAG48120		120	140		
BLAG5037	50	37	50	58	70
BLAG5047		47	63		
BLAG5060		60	80		
BLAG5077		77	95		
BLAG5095		95	120		
BLAG50120	60	120	140	68	85
BLAG6060		60	95		
BLAG6077		77	95		
BLAG6095		95	120		
BLAG60120	63	120	140	71	85
BLAG6360		60	95		
BLAG6377		77	95		
BLAG6395		95	120		
BLAG63120	80	120	140	92	105
BLAG80120		120	140		

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE KOSZYK KULKOWY

DEMOUNTABLE BUSH FOR BALL CAGE

ISO 9448-7

BEAG

Materiał / Material

1.7131

Twardość / Hardness

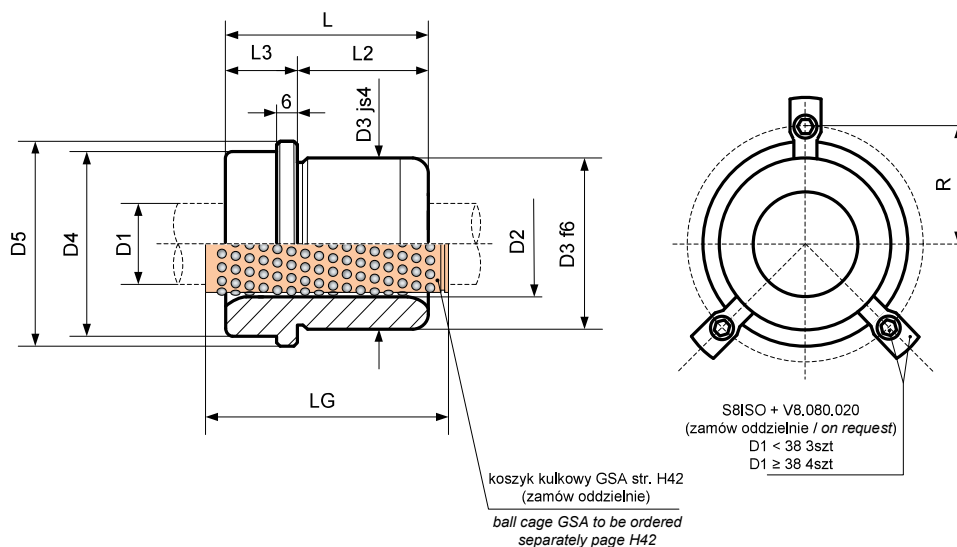
61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: BEAG40-7

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 7 / TYPE 7										
Symbol	D1	D2	D3	D4	D5	R	L	L2	L3	LG
BEAG19-7	19	25	32	32	40	26	35	23	12	45
BEAG20-7	20	26	32	32	40	26	35	23	12	45
BEAG24-7	24	30	40	40	48	30	35	23	12	45
BEAG25-7	25	31	40	40	48	30	35	23	12	45
BEAG30-7	30	38	48	48	56	33,5	42	30	12	56
BEAG32-7	32	40	48	48	56	33,5	42	30	12	56
BEAG38-7	38	46	58	58	66	38,5	52	37	15	63
BEAG40-7	40	48	58	58	66	38,5	52	37	15	63
BEAG48-7	48	56	70	70	80	45,5	65	47	18	80
BEAG50-7	50	58	70	70	80	45,5	65	47	18	80
BEAG60-7	60	68	85	85	95	53	80	60	20	95
BEAG63-7	63	71	85	85	95	53	80	60	20	95
BEAG80-7	80	92	105	105	118	64,5	80	60	20	120

TULEJE PROWADZĄCE KOSZYK KULKOWY

DEMOUNTABLE BUSH FOR BALL CAGE

ISO 9448-7

BEAG

Materiał / Material

1.7131

Twardość / Hardness

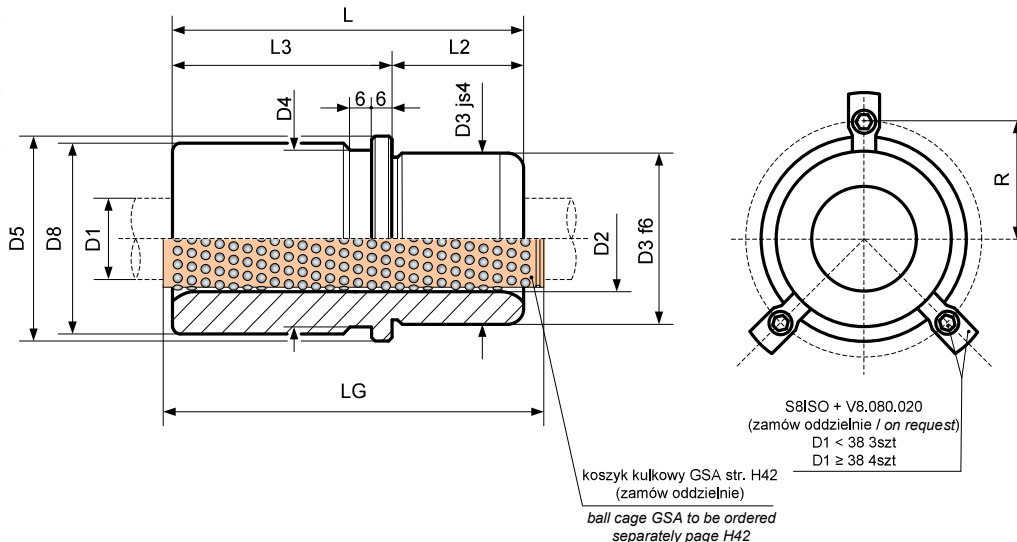
61 ± 63 HRC

Jak zamówić / How to order

Symbol: BEAG40-6

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 4 / TYPE 4												
Symbol	D1	D2	D3	D4	D5	D8	R	L	L2	L3	LG	
BEAG19-4	19	25	32	32	40	39	26	59	23	36	71	
BEAG20-4	20	26	32	32	40	39	26	59	23	36	71	
BEAG24-4	24	30	40	40	48	46	30	79	23	56	95	
BEAG25-4	25	31	40	40	48	46	30	79	23	56	95	
BEAG30-4	30	38	48	48	56	53	33,5	93	30	63	120	
BEAG32-4	32	40	48	48	56	53	33,5	93	30	63	120	
BEAG38-4	38	46	58	58	66	63	38,5	108	37	71	120	
BEAG40-4	40	48	58	58	66	63	38,5	108	37	71	120	
BEAG48-4	48	56	70	70	80	77	45,5	127	47	80	140	
BEAG50-4	50	58	70	70	80	77	45,5	127	47	80	140	
BEAG60-4	60	68	85	85	95	92	53	150	60	90	160	
BEAG63-4	63	71	85	85	95	92	53	150	60	90	160	
BEAG80-4	80	92	105	105	118	115	64,5	150	60	90	160	

TYP 5 / TYPE 5												
Symbol	D1	D2	D3	D4	D5	D8	R	L	L2	L3	LG	
BEAG24-5	24	30	40	40	48	46	30	80	30	50	95	
BEAG25-5	25	31	40	40	48	46	30	80	30	50	95	
BEAG30-5	30	38	48	48	56	53	33,5	93	37	56	120	
BEAG32-5	32	40	48	48	56	53	33,5	93	37	56	120	
BEAG38-5	38	46	58	58	66	63	38,5	110	47	63	140	
BEAG40-5	40	48	58	58	66	63	38,5	110	47	63	140	
BEAG48-5	48	56	70	70	80	77	45,5	131	60	71	160	
BEAG50-5	50	58	70	70	80	77	45,5	131	60	71	160	

TYP 6 / TYPE 6												
Symbol	D1	D2	D3	D4	D5	D8	R	L	L2	L3	LG	
BEAG19-6	19	25	32	32	40	39	26	43	23	20	56	
BEAG20-6	20	26	32	32	40	39	26	43	23	20	56	
BEAG24-6	24	30	40	40	48	46	30	59	23	36	71	
BEAG25-6	25	31	40	40	48	46	30	59	23	36	71	
BEAG30-6	30	38	48	48	56	53	33,5	75	30	45	95	
BEAG32-6	32	40	48	48	56	53	33,5	75	30	45	95	
BEAG38-6	38	46	58	58	66	63	38,5	82	37	45	105	
BEAG40-6	40	48	58	58	66	63	38,5	82	37	45	105	
BEAG48-6	48	56	70	70	80	77	45,5	97	47	50	120	
BEAG50-6	50	58	70	70	80	77	45,5	97	47	50	120	
BEAG60-6	60	68	85	85	95	92	53	116	60	56	140	
BEAG63-6	63	71	85	85	95	92	53	116	60	56	140	
BEAG80-6	80	92	105	105	118	115	64,5	120	60	60	140	

TYP 9 / TYPE 9												
Symbol	D1	D2	D3	D4	D5	D8	R	L	L2	L3	LG	
BEAG24-9	24	30	40	40	48	46	30	55	30	25	71	
BEAG25-9	25	31	40	40	48	46	30	55	30	25	71	
BEAG30-9	30	38	48	48	56	53	33,5	69	37	32	80	
BEAG32-9	32	40	48	48	56	53	33,5	69	37	32	80	
BEAG38-9	38	46	58	58	66	63	38,5	79	47	32	95	
BEAG40-9	40	48	58	58	66	63	38,5	79	47	32	95	
BEAG48-9	48	56	70	70	80	77	45,5	96	60	36	120	
BEAG50-9	50	58	70	70	80	77	45,5	96	60	36	120	

TULEJE PROWADZĄCE KOSZYK KULKOWY

FLANGED GUIDE BUSHES FOR BALL CAGE

ISO 9448-5

B5AG

Materiał / Material

1.7131

Twardość / Hardness

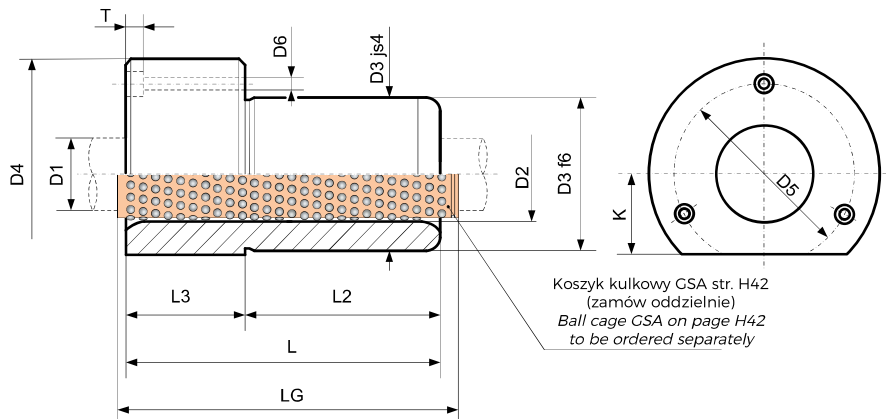
61 ± 63 HRC

Jak zamówić / How to order

Symbol: B5AG30-4

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP 4 / TYPE 4

Symbol	D1	D2	D3	D4	D5	K	L	L2	L3	LG
B5AG19-4	19	25	32	50	40	18	52	37	15	71
B5AG20-4	20	26	32	50	40	18	52	37	15	71
B5AG24-4	24	30	40	63	50	23	62	37	25	71
B5AG25-4	25	31	40	63	50	23	62	37	25	71
B5AG30-4	30	38	48	72	58	28	72	47	25	80
B5AG32-4	32	40	48	72	58	28	72	47	25	80
B5AG38-4	38	46	58	85	70	33	77	47	30	95
B5AG40-4	40	48	58	85	70	33	77	47	30	95
B5AG48-4	48	56	70	104	86	38	102	60	42	120
B5AG50-4	50	58	70	104	86	38	102	60	42	120
B5AG60-4	60	68	85	120	100	46	102	60	42	120
B5AG63-4	63	71	85	120	100	46	102	60	42	120
B5AG80-4	80	92	105	148	125	56	125	75	50	140

TYP 5 / TYPE 5

Symbol	D1	D2	D3	D4	D5	K	L	L2	L3	LG
B5AG15-5	15	21	28	45	35	15	36	30	6	45
B5AG16-5	16	22	28	45	35	15	36	30	6	45
B5AG19-5	19	25	32	50	40	18	45	30	15	56
B5AG20-5	20	26	32	50	40	18	45	30	15	56
B5AG24-5	24	30	40	63	50	23	55	30	25	71
B5AG25-5	25	31	40	63	50	23	55	30	25	71
B5AG30-5	30	38	48	72	58	28	62	37	25	71
B5AG32-5	32	40	48	72	58	28	62	37	25	71
B5AG38-5	38	46	58	85	70	33	67	37	30	80
B5AG40-5	40	48	58	85	70	33	67	37	30	80
B5AG48-5	48	56	70	104	86	38	89	47	42	95
B5AG50-5	50	58	70	104	86	38	89	47	42	95
B5AG60-5	60	68	85	120	100	46	89	47	42	95
B5AG63-5	63	71	85	120	100	46	89	47	42	95

TYP 6 / TYPE 6

Symbol	D1	D2	D3	D4	D5	K	L	L2	L3	LG
B5AG15-6	15	21	28	45	35	15	29	23	6	45
B5AG16-6	16	22	28	45	35	15	29	23	6	45
B5AG19-6	19	25	32	50	40	18	38	23	15	45
B5AG20-6	20	26	32	50	40	18	38	23	15	45
B5AG24-6	24	30	40	63	50	23	38	23	15	45
B5AG25-6	25	31	40	63	50	23	38	23	15	45
B5AG30-6	30	38	48	72	58	28	45	30	15	56
B5AG32-6	32	40	48	72	58	28	45	30	15	56
B5AG38-6	38	46	58	85	70	33	55	30	25	63
B5AG40-6	40	48	58	85	70	33	55	30	25	63
B5AG48-6	48	56	70	104	86	38	62	37	25	80
B5AG50-6	50	58	70	104	86	38	62	37	25	80

D1	D6	T
15	4,5	3,4
16	4,5	3,4
19	4,5	4,6
20	4,5	4,6
24	5,5	5,7
25	5,5	5,7
30	5,5	5,7
32	5,5	5,7
38	6,6	6,8
40	6,6	6,8
48	9	9
50	9	9
60	9	9
63	9	9
80	11	11

ZABEZPIECZENIA KOSZYKA

CAGE RETAINER

SG

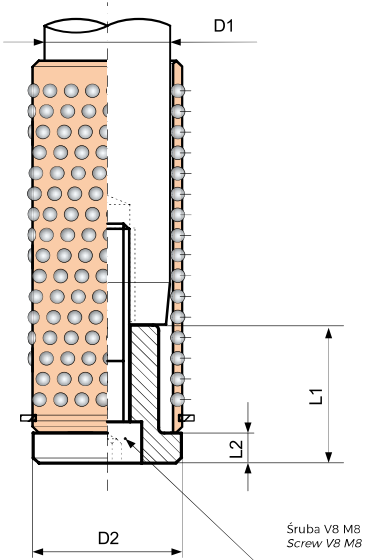
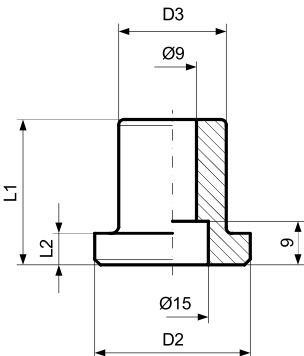
Materiał / Material

CK45

Jak zamówić / How to order

Symbol: SG5

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	L1	L2
SG3	30-32	36	23	30	6
SG4	38-40	44	31	40	6
SG5	48-50	54	39	50	8
SG6	60-63	66	51	60	8
SG8	80	89	71	80	8

SPRĘŻYNY PODTRZYMUJĄCE KOSZYK KULKOWY

SPRINGS FOR BALL CAGE

SPK

Materiał / Material

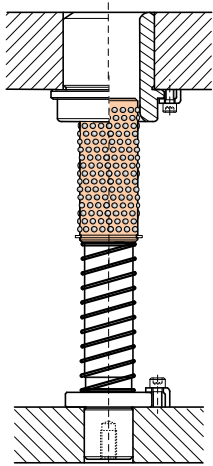
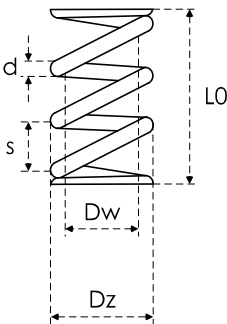
Druk sprężynowy
Wire spring

Jak zamówić / How to order

Symbol: SPK
+
Średnica słupa: 25
Pillar diameter
+
Długość sprężyny: 100
Free length of spring

SPK25100

Inne wymiary na żądanie
Other dimensions on demand



Średnica słupa Pillar diameter	Wymiary sprężyny Spring diameter				L0																				
D1	d	Dz	Dw	s	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	220	230	240	250
19/20	1.0	22,5	20,5	14	40	50	60	70	80	90	100	110	120	130	140										
24/25	1.2	27,9	25,5	14	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180						
30/32	1.6	35,7	32,5	16		50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	220	230		
38	2.0	42,5	38,5	18			60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	220	230		
40	2.3	45,1	40,5	20			60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	220	230		
48/50	2.6	55,7	50,5	20				70	80	90	100	110	120	130	140	150	160	170	180	190	200	220	230	240	250
60	3.2	66,9	60,5	20					80	90	100	110	120	130	140	150	160	170	180	190	200	220	230	240	250
63	3.2	69,9	63,5	20					80	90	100	110	120	130	140	150	160	170	180	190	200	220	230	240	250

Elementy prowadzące do tłoczników

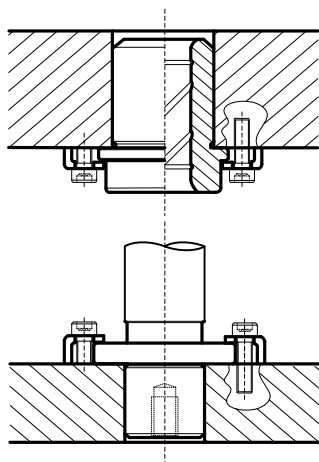
Materiał / Material

1.7131

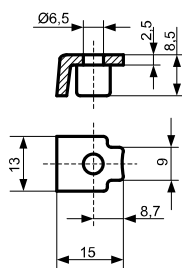
Jak zamówić / How to order

Symbol: S8P ISO

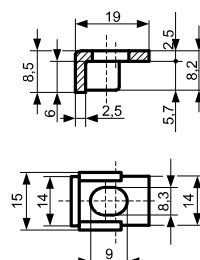
Śruby do zaczepek str. J144
Screws for clamps page J144



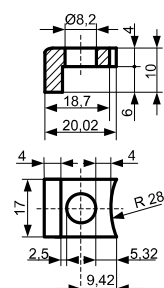
S6 ISO



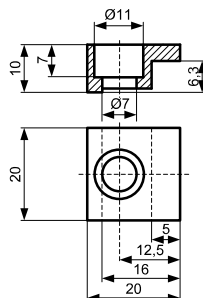
S8 ISO



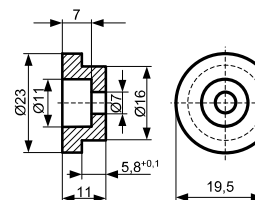
S8P ISO



S20

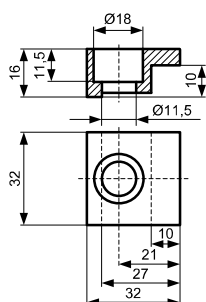


S23 ISO

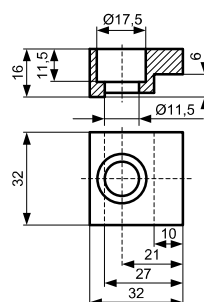


S23 ISO

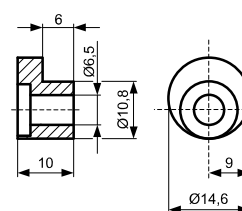
S32



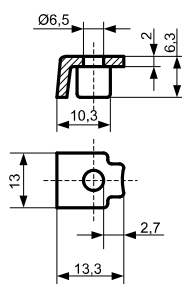
S32P



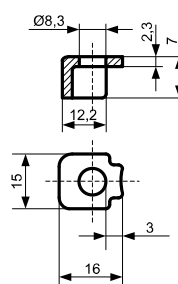
S70



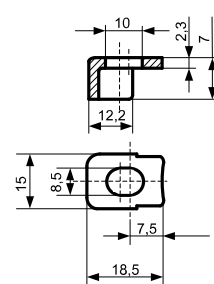
S6



S8



SA8



Zaczepek standard włoski
Clamps italian standard

ZACZEPY PALCOWE DO TULEI

TOE CLAMP FOR GUIDE BUSHING

A101-05

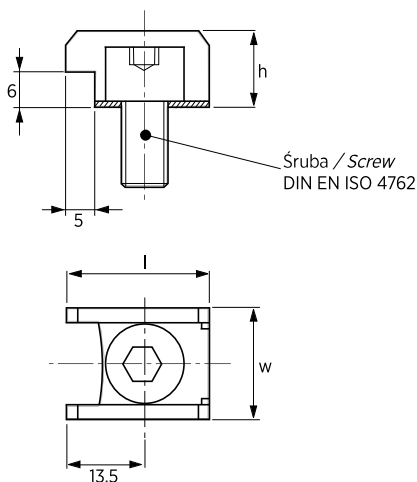
Materiał / Material

CK45

Jak zamówić / How to order

Symbol: A101-05-189-246

Śruby do zaczepek str. J144
Screws for clamps page J144



Symbol	w	h	l	Śruba Screw
A101-05-189-246	18,9	13	24,6	M8x20
A101-05-235-279	23,5	15,5	27,9	M10x20

ZACZEPY DO TULEI

CLAMP FOR BUSHING

A101-06

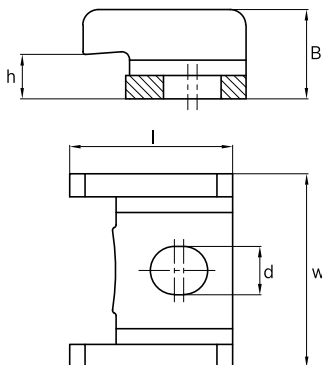
Materiał / Material

S235JRH

Jak zamówić / How to order

Symbol: A101-06-040032

Śruby do zaczepek str. J144
Screws for clamps page J144



Symbol	w	l	d	B	h	Rozmiar tulei Bush size	Śruba Screw
A101-06-025021	25	21	6,2	11,5	5,7	Ø25 - Ø50	M6x15
A101-06-040032	40	32	10,2	19	9,3	Ø63 - Ø160	M10x20

ZACZEPY PALCOWE DO TULEI

TOE CLAMP FOR GUIDE BUSHING

A101-09

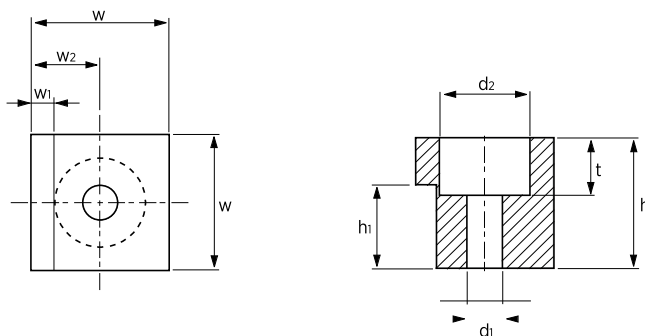
Materiał / Material

CK45

Jak zamówić / How to order

Symbol: A101-09-040-018

Śruby do zaczepek str. J144
Screws for clamps page J144



Symbol	w	h	w1	w2	h1 +0,15 / +0,05	d1	d2	t
A101-09-040-018	18	12	3	9,5	8	6,6	11	6,8
A101-09-050-022	22	16	4	12	10	9	15	9
A101-09-063-026	26	20	5	15	12	11	18	11
A101-09-080-026	26	25	5	15	16	11	18	11
A101-09-100-026	26	32	5	15	20	11	18	11

SŁUPY PROWADZĄCE

HEAD PILOT PINS

C3
STANDARD
WŁOSKI

Materiał / Material

1.7131

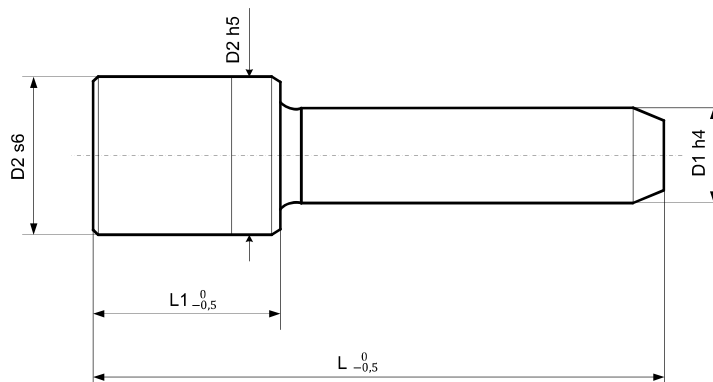
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: C325135

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L	D2	L1
C31585	15	C31685	16	85	26	30
C31595		C31695		95		
C315105		C316105		105		
C315115		C316115		115		
C315125		C316125		125		
C315135		C316135		135		
C315145		C316145		145		
C315155		C316155		155		
C31785	17	C31885	18	85	30	35
C31795		C31895		95		
C317105		C318105		105		
C317115		C318115		115		
C317125		C318125		125		
C317135		C318135		135		
C317145		C318145		145		
C317155		C318155		155		
C317170	19	C318170	20	170	30	35
C317185		C318185		185		
C317200		C318200		200		
C31985		C32085		85	30	35
C31995		C32095		95		
C319105		C320105		105		
C319115		C320115		115		
C319125		C320125		125		
C319135		C320135		135		
C319145	24	C320145	25	145	36	40
C319155		C320155		155		
C319170		C320170		170		
C319185		C320185		185		
C319200		C320200		200		
C324115		C325115		115		
C324125		C325125		125		
C324135		C325135		135		
C324145	24	C325145	25	145	36	40
C324155		C325155		155		
C324170		C325170		170		
C324185		C325185		185		
C324200		C325200		200		
C324225		C325225		225		
C324250		C325250		250		

Symbol	D1	Symbol	D1	L	D2	L1
C330115	30	C331115	31	115	45	45
C330125		C331125		125		
C330135		C331135		135		
C330145		C331145		145		
C330155		C331155		155		
C330170		C331170		170		
C330185		C331185		185		
C330200		C331200		200		
C330225	40	C331225	41	225	55	70
C330250		C331250		250		
C330275		C331275		275		
C330300		C331300		300		
C340145		C341145		145	70	70
C340155		C341155		155		
C340170		C341170		170		
C340185		C341185		185		
C340200	50	C341200	51	200		
C340225		C341225		225		
C340250		C341250		250		
C340275		C341275		275		
C340300		C341300		300		
C340325		C341325		325		
C340350		C341350		350		
C340400		C341400		400		
C350170	50	C351170	51	170	70	70
C350185		C351185		185		
C350200		C351200		200		
C350225		C351225		225		
C350250		C351250		250		
C350275		C351275		275		
C350300		C351300		300		
C350325		C351325		325		
C350350	50	C351350	51	350	70	70
C350400		C351400		400		

Elementy prowadzące do tłoczników

SŁUPY PROWADZĄCE

SMOOTH PILOT PINS

C4
STANDARD
WŁOSKI

Materiał / Material

1.7131

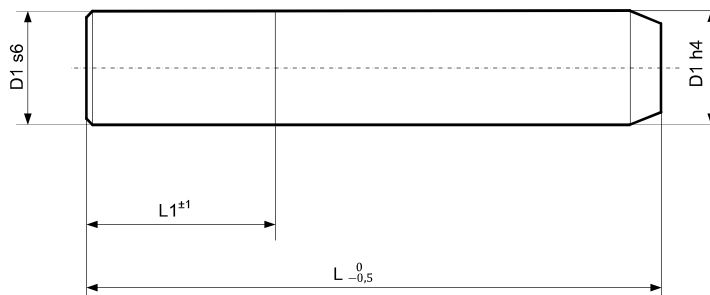
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: C425135

Inne wymiary na życzenie
Other dimensions on demand



Symbol	D1	Symbol	D1	L	L1
C41585	15	C41685	16	85	16
C41595		C41695		95	
C415105		C416105		105	
C415115		C416115		115	
C415125		C416125		125	
C415135		C416135		135	
C415145		C416145		145	
C415155		C416155		155	
C41785	17	C41885	18	85	18
C41795		C41895		95	
C417105		C418105		105	
C417115		C418115		115	
C417125		C418125		125	
C417135		C418135		135	
C417145		C418145		145	
C417155		C418155		155	
C417170	17	C418170	18	170	18
C417185		C418185		185	
C417200		C418200		200	
C41985	19	C42085	20	85	20
C41995		C42095		95	
C419105		C420105		105	
C419115		C420115		115	
C419125		C420125		125	
C419135		C420135		135	
C419145		C420145		145	
C419155		C420155		155	
C419170	19	C420170	20	170	20
C419185		C420185		185	
C419200		C420200		200	
C424115	24	C425115	25	115	25
C424125		C425125		125	
C424135		C425135		135	
C424145		C425145		145	
C424155		C425155		155	
C424170		C425170		170	
C424185		C425185		185	
C424200		C425200		200	
C424225	24	C425225	25	225	25
C424250		C425250		250	

Symbol	D1	Symbol	D1	L	L1
C430115	30	C431115	31	115	30
C430125		C431125		125	
C430135		C431135		135	
C430145		C431145		145	
C430155		C431155		155	
C430170		C431170		170	
C430185		C431185		185	
C430200		C431200		200	
C430225	30	C431225	31	225	30
C430250		C431250		250	
C430275		C431275		275	
C430300		C431300		300	
C440145	40	C441145	41	145	40
C440155		C441155		155	
C440170		C441170		170	
C440185		C441185		185	
C440200		C441200		200	
C440225		C441225		225	
C440250		C441250		250	
C440275		C441275		275	
C440300	40	C441300	41	300	40
C440325		C441325		325	
C440350		C441350		350	
C440400		C441400		400	
C450170	50	C451170	51	170	50
C450185		C451185		185	
C450200		C451200		200	
C450225		C451225		225	
C450250		C451250		250	
C450275		C451275		275	
C450300		C451300		300	
C450325		C451325		325	
C450350	50	C451350	51	350	50
C450400		C451400		400	
		C463250	63	250	63
		C463275		275	
		C463300		300	
		C463350		350	
		C463400		400	

SŁUPY STOŻKOWE

GUIDE PILLARS WITH TAPER LEAD

C5
STANDARD
WŁOSKI

Materiał / Material

1.7131

Twardość / Hardness

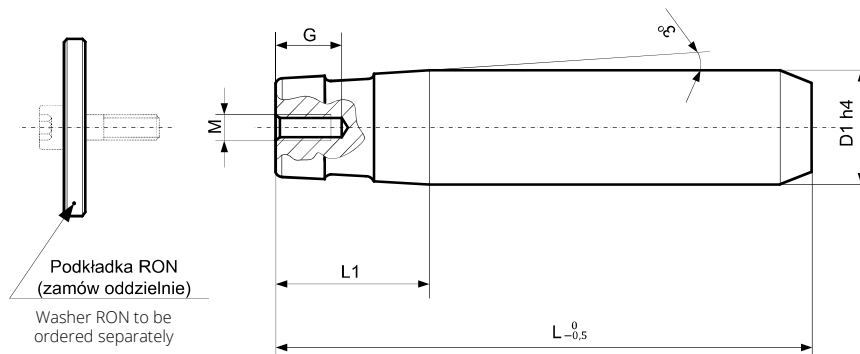
61 ÷ 63 HRC

Jak zamówić / How to order

Słup: C540170
Pillar symbol:

Podkładka: RON43
Washer symbol:

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L	L1	G	M
C524115	24	115	48	20	8
C524135		135			
C524155		155			
C524170		170			
C524185		185			
C524200		200			
C525115	25	115	48	20	8
C525135		135			
C525155		155			
C525170		170			
C525185		185			
C525200		200			
C530135	30	135	57	20	8
C530155		155			
C530170		170			
C530185		185			
C530200		200			
C530225		225			
C530250		250			
C530300		300			

Symbol	D1	L	L1	G	M
C531135	31	135	57	20	8
C531155		155			
C531170		170			
C531185		185			
C531200		200			
C531225	40	225	63	25	10
C531250		250			
C531300		300			
C540170		170			
C540185		185			
C540200	41	200	63	25	10
C540225		225			
C540250		250			
C540300		300			
C540400		400			
C541170	41	170	63	25	10
C541185		185			
C541200		200			
C541225		225			
C541250		250			

Symbol	D1	L	L1	G	M
C541300	41	300	63	25	10
C541400		400			
C550185	50	185	80	25	10
C550200		200			
C550225		225			
C550250		250			
C550300		300			
C550400	51	400	80	25	10
C551185		185			
C551200		200			
C551225		225			
C551250		250			
C551300	63	300	86	25	10
C551400		400			
C563200		200			
C563225		225			
C563250		250			
C563300	63	300	86	25	10
C563400		400			

PODKŁADKI POD SŁUP C5

WASHERS FOR PILLARS C5

RON
STANDARD
WŁOSKI

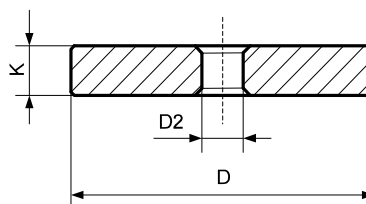
Materiał / Material

1.1730

Jak zamówić / How to order

Symbol: RON43

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1 (słup / pillar C5)	D	D2	K
RON28	24-25	28	8,7	6
RON36	30-31	36	8,7	6
RON43	40-41	43	10,7	8
RON53	50-51	53	10,7	8
RON70	63	70	10,7	8

TULEJE PROWADZĄCE STOŻKOWE

CONICAL GUIDE BUSHES

B5C
STANDARD
WŁOSKI

Materiał / Material

1.7131

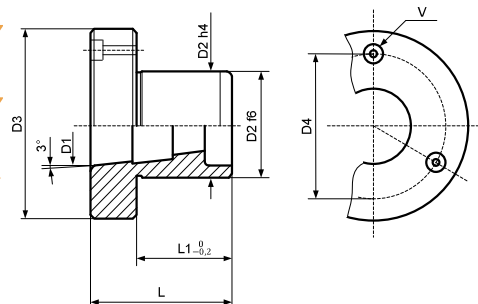
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: B540C

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	D4	L1	L	V
B524C	24	40	63	50	43	63	M5
B525C	25	40	63	50	43	63	M5
B530C	30	48	72	58	47	72	M5
B531C	31	48	72	58	47	72	M5
B540C	40	58	83	70	52	80	M6
B541C	41	58	83	70	52	80	M6
B550C	50	70	103	86	58	100	M8
B551C	51	70	103	86	58	100	M8
B563C	63	85	120	100	57	99	M8

TULEJE PROWADZĄCE

FLANGED GUIDE BUSHES

B5
STANDARD
WŁOSKI

Materiał / Material

1.7131

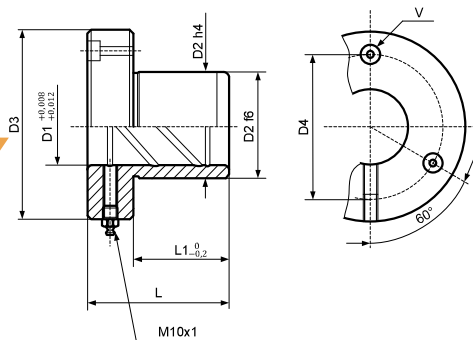
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: B540

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	D4	L1	L	V
B524	24	40	63	50	43	63	M5
B525	25	40	63	50	43	63	M5
B530	30	48	72	58	47	72	M5
B531	31	48	72	58	47	72	M5
B540	40	58	83	70	52	80	M6
B541	41	58	83	70	52	80	M6
B550	50	70	103	86	58	100	M8
B551	51	70	103	86	58	100	M8
B563	63	85	120	100	57	99	M8

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

FLANGED GUIDE BUSHES, STEEL / BRONZE

B5B
STANDARD
WŁOSKI

Materiał / Material

1.7131
BRĄZ / BRONZE

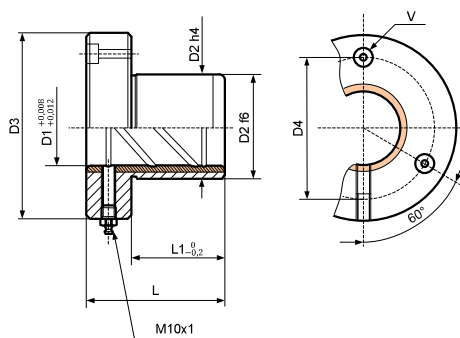
Twardość / Hardness

52 ÷ 54 HRC

Jak zamówić / How to order

Symbol: B5B40

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	D4	L1	L	V
B5B24	24	40	63	50	43	63	M5
B5B25	25	40	63	50	43	63	M5
B5B30	30	48	72	58	47	72	M5
B5B31	31	48	72	58	47	72	M5
B5B40	40	58	83	70	52	80	M6
B5B41	41	58	83	70	52	80	M6
B5B50	50	70	103	86	58	100	M8
B5B51	51	70	103	86	58	100	M8
B5B63	63	85	120	100	57	99	M8

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE

PILOT BUSH

B4
STANDARD
WŁOSKI

Materiał / Material

1.7131

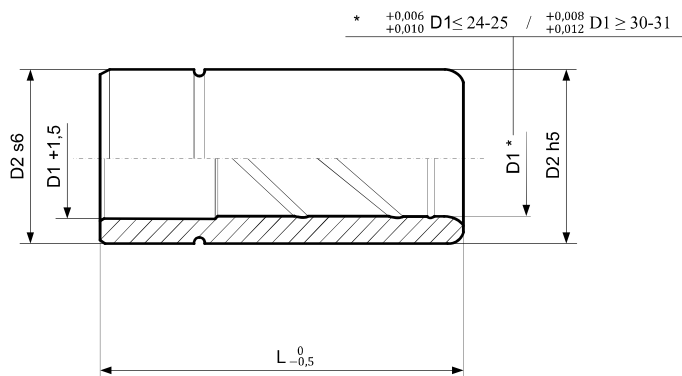
Twardość / Hardness

61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: B44060

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	L
B41535	15	26	35
B41550	15	26	50
B41635	16	26	35
B41650	16	26	50
B41745	17	28	45
B41755	17	28	55
B41845	18	28	45
B41855	18	28	55
B41945	19	30	45
B41960	19	30	60

Symbol	D1	D2	L
B42045	20	30	45
B42060	20	30	60
B42450	24	36	50
B42470	24	36	70
B42550	25	36	50
B42570	25	36	70
B43055	30	45	55
B43080	30	45	80
B43155	31	45	55
B43180	31	45	80

Symbol	D1	D2	L
B44060	40	55	60
B440100	40	55	100
B44160	41	55	60
B441100	41	55	100
B45060	50	70	60
B450100	50	70	100
B45160	51	70	60
B451100	51	70	100
B463100	63	85	100

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

PILOT BUSH, STEEL / BRONZE

B4B
STANDARD
WŁOSKI

Materiał / Material

1.7131
BRĄZ / BRONZE

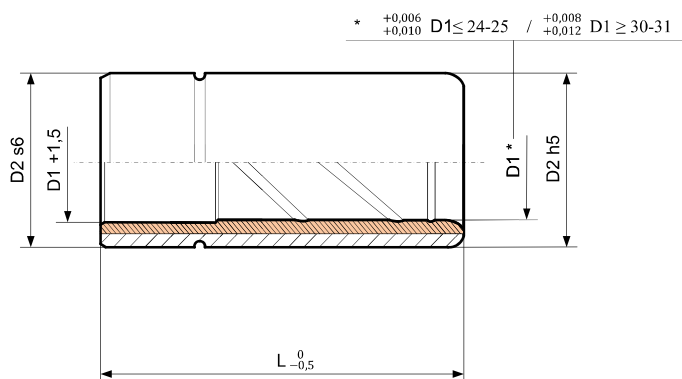
Twardość / Hardness

52 ÷ 54 HRC

Jak zamówić / How to order

Symbol: B4B2570

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	L
B4B1535	15	26	35
B4B1550	15	26	50
B4B1635	16	26	35
B4B1650	16	26	50
B4B1745	17	28	45
B4B1755	17	28	55
B4B1845	18	28	45
B4B1855	18	28	55
B4B1945	19	30	45
B4B1960	19	30	60

Symbol	D1	D2	L
B4B2045	20	30	45
B4B2060	20	30	60
B4B2450	24	36	50
B4B2470	24	36	70
B4B2550	25	36	50
B4B2570	25	36	70
B4B3055	30	45	55
B4B3080	30	45	80
B4B3155	31	45	55
B4B3180	31	45	80

Symbol	D1	D2	L
B4B4060	40	55	60
B4B40100	40	55	100
B4B4160	41	55	60
B4B41100	41	55	100
B4B5060	50	70	60
B4B50100	50	70	100
B4B5160	51	70	60
B4B51100	51	70	100
B4B63100	63	85	100

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

CEBT
STANDARD
WŁOSKI

Materiał / Material

STAL / STEEL

Twardość / Hardness

60 ÷ 63 HRC

Jak zamówić / How to order

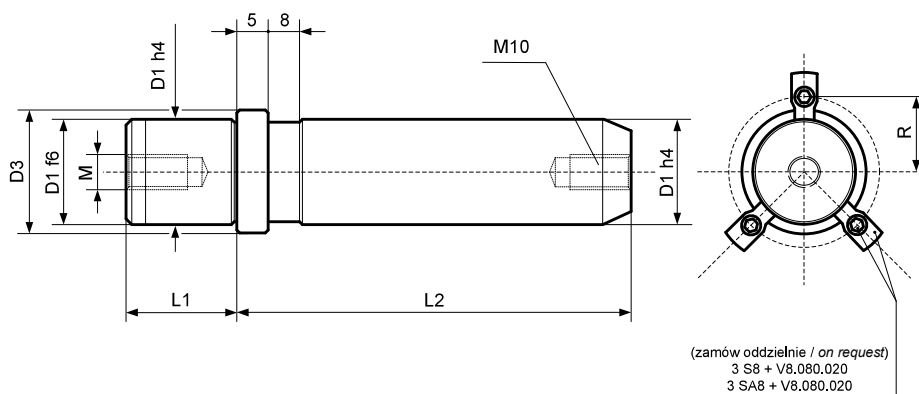
Symbol: CEBT63140

Zaczepty str. H58

Retaining clamps page H58

Inne wymiary na żądanie

Other dimensions on demand



Symbol	D1	L1	L2	D3	M	R
CEBT63130	63	49	130	77	M12	43,5
CEBT63140			140			
CEBT63150			150			
CEBT63160			160			
CEBT63170			170			
CEBT63180			180			
CEBT63200			200			
CEBT63220			220			

Symbol	D1	L1	L2	D3	M	R
CEBT63240	63	49	240	77	M12	43,5
CEBT63260			260			
CEBT63280			280			
CEBT63300			300			
CEBT63320			320			
CEBT63360			360			
CEBT63400			400			

PODKŁADKI POD SŁUP CE / CEBT

WASHERS FOR PILLARS CE / CEBT

RTE
STANDARD
WŁOSKI

Materiał / Material

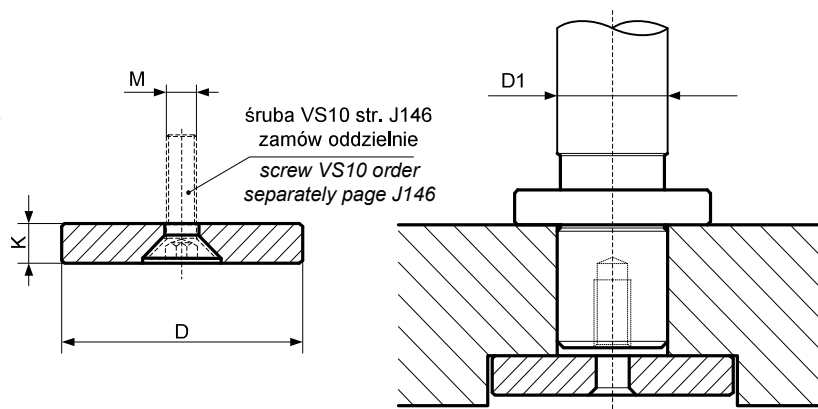
1.1730

Jak zamówić / How to order

Symbol: RTE93

Inne wymiary na żądanie

Other dimensions on demand



Symbol	D1	D	K	M
RTE25	18-19	25	6	M8
RTE32	24-25	32	7	M10
RTE40	30-32	40	7	M10
RTE50	40-42	50	9	M12
RTE62	50-52	62	9	M12
RTE73	63	73	9	M12
RTE93	80	93	12	M12

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

CE
STANDARD
WŁOSKI

Material / Material

STAL / STEEL

Twardość / Hardness

60 ÷ 63 HRC

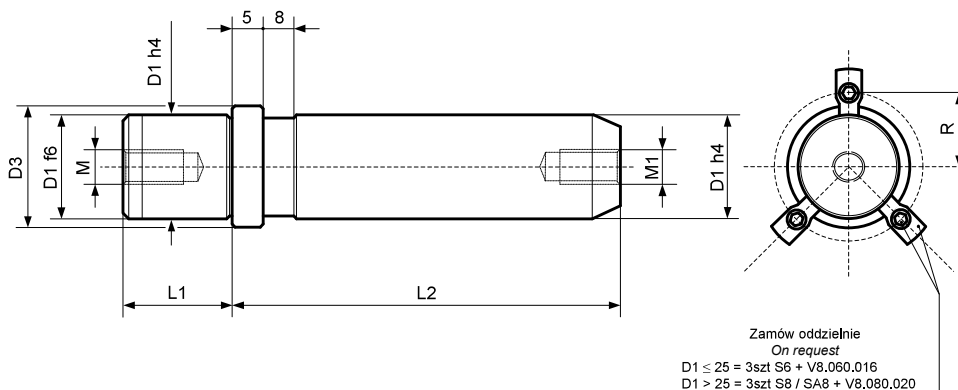
Jak zamówić / How to order

Symbol: CE40180

Podkładki RTE pod słup str. H65
Washer RTE for pillars page H65

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L2	L1	D3	M	M1	R
CE18100	18	CE19100	19	100	20	25	M8	M6	16,5
CE18110		CE19110		110					
CE18120		CE19120		120					
CE18130		CE19130		130					
CE18140		CE19140		140					
CE18150		CE19150		150					
CE18160		CE19160		160					
CE24100	24	CE25100	25	100	25	32	M10	M6	20
CE24110		CE25110		110					
CE24120		CE25120		120					
CE24130		CE25130		130					
CE24140		CE25140		140					
CE24150		CE25150		150					
CE24160		CE25160		160					
CE24170		CE25170		170					
CE24180		CE25180		180					
CE24200		CE25200		200					
CE30100	30	CE32100	32	100	30	40	M10	M6	25
CE30110		CE32110		110					
CE30120		CE32120		120					
CE30130		CE32130		130					
CE30140		CE32140		140					
CE30150		CE32150		150					
CE30160		CE32160		160					
CE30170		CE32170		170					
CE30180		CE32180		180					
CE30200		CE32200		200					
CE30220		CE32220		220					
CE30240		CE32240		240					
CE30260		CE32260		260					
CE30280		CE32280		280					
CE40100	40	CE42100	42	100	35	50	M12	M8	30
CE40110		CE42110		110					
CE40120		CE42120		120					
CE40130		CE42130		130					
CE40140		CE42140		140					
CE40150		CE42150		150					
CE40160		CE42160		160					
CE40170		CE42170		170					
CE40180		CE42180		180					
CE40200		CE42200		200					
CE40220		CE42220		220					
CE40240		CE42240		240					
CE40260		CE42260		260					
CE40280		CE42280		280					
CE40300		CE42300		300					
CE40320		CE42320		320					

SŁUPY PROWADZĄCE

DEMOUNTABLE GUIDE PILLARS

CE
STANDARD
WŁOSKI

Materiał / Material

STAL / STEEL

Twardość / Hardness

60 ÷ 63 HRC

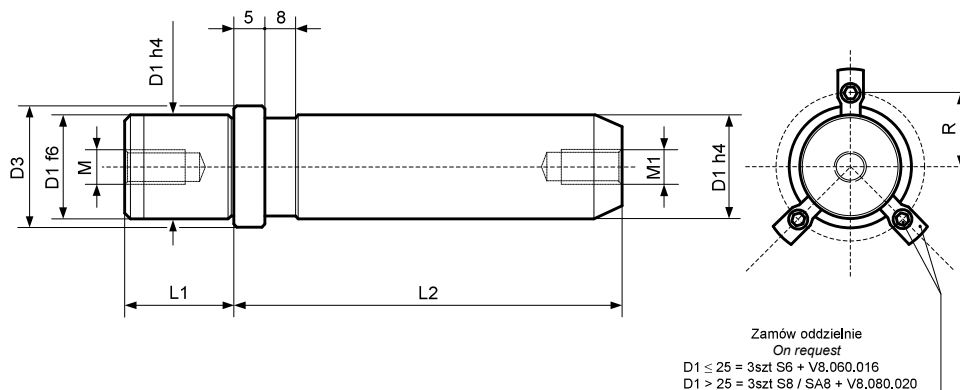
Jak zamówić / How to order

Symbol: CE63200

Podkładki RTE pod słup str. H65
Washer RTE for pillars page H65

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L2	L1	D3	M	M1	R
CE50110	50	CE52110	52	110	45	62	M12	M8	36
CE50120		CE52120		120					
CE50130		CE52130		130					
CE50140		CE52140		140					
CE50150		CE52150		150					
CE50160		CE52160		160					
CE50170		CE52170		170					
CE50180		CE52180		180					
CE50200		CE52200		200					
CE50220		CE52220		220					
CE50240		CE52240		240					
CE50260		CE52260		260					
CE50280		CE52280		280					
CE50300		CE52300		300					
CE50320		CE52320		320					
CE50360		CE52360		360					
CE50400		CE52400		400					
		CE63130	63	130	49	73	M12	M10	41.5
		CE63140		140					
		CE63150		150					
		CE63160		160					
		CE63170		170					
		CE63180		180					
		CE63200		200					
		CE63220		220					
		CE63240		240					
		CE63260		260					
		CE63280		280					
		CE63300		300					
		CE63320		320					
		CE63360		360					
		CE63400		400					
		CE80180	80	180	59	93	M12	M10	51.5
		CE80200		200					
		CE80220		220					
		CE80240		240					
		CE80260		260					
		CE80280		280					
		CE80300		300					
		CE80320		320					
		CE80360		360					
		CE80400		400					

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE

GUIDE BUSHES WITH SHOULDER

BE
STANDARD
WŁOSKI

Materiał / Material

1.7131

Twardość / Hardness

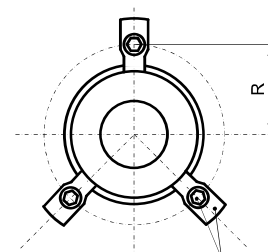
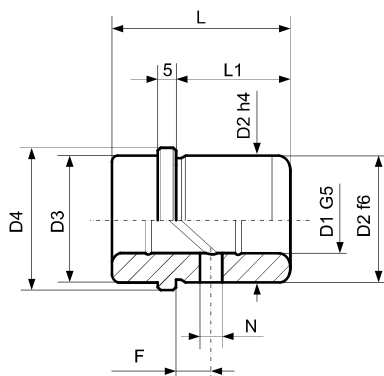
61 ± 63 HRC

Jak zamówić / How to order

Symbol: **BE40C**

Inne wymiary na żądanie
Other dimensions on demand

Zaczepy str. H58
Retaining clamps page H58



Zamów oddzielnie
On request
D1 ≤ 25 = 3 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020

TYP C / TYPE C

Symbol	D1	L	D2	D3	D4	L1	R	N	F
BE18C	18	31	28	29	34	18	21	5	8
BE19C	19	31	28	29	34	18	21	5	8
BE24C	24	36	38	39	44	23	26	5	9
BE25C	25	36	38	39	44	23	26	5	9
BE30C	30	43	45	48	53	30	31,5	5	11
BE32C	32	43	45	48	53	30	31,5	5	11
BE40C	40	51	54	58	63	38	36,5	8	11
BE42C	42	51	54	58	63	38	36,5	8	11
BE50C	50	61	65	74	79	48	44,5	8	14
BE52C	52	61	65	74	79	48	44,5	8	14
BE63C	63	74	81	87	92	61	51	8	19

TYP XM / TYPE XM

Symbol	D1	L	D2	D3	D4	L1	R	N	F
BE18XM	18	50	28	29	34	37	21	5	8
BE19XM	19	50	28	29	34	37	21	5	8
BE24XM	24	55	38	39	44	42	26	5	12
BE25XM	25	55	38	39	44	42	26	5	12
BE30XM	30	60	45	48	53	47	31,5	5	16
BE32XM	32	60	45	48	53	47	31,5	5	16
BE40XM	40	67	54	58	63	54	36,5	8	19
BE42XM	42	67	54	58	63	54	36,5	8	19
BE50XM	50	75	65	74	79	62	44,5	8	19
BE52XM	52	75	65	74	79	62	44,5	8	19
BE63XM	63	90	81	87	92	77	51	8	19

TULEJE PROWADZĄCE

GUIDE BUSHES WITH SHOULDER

BE
STANDARD
WŁOSKI

Materiał / Material

1.7131

Twardość / Hardness

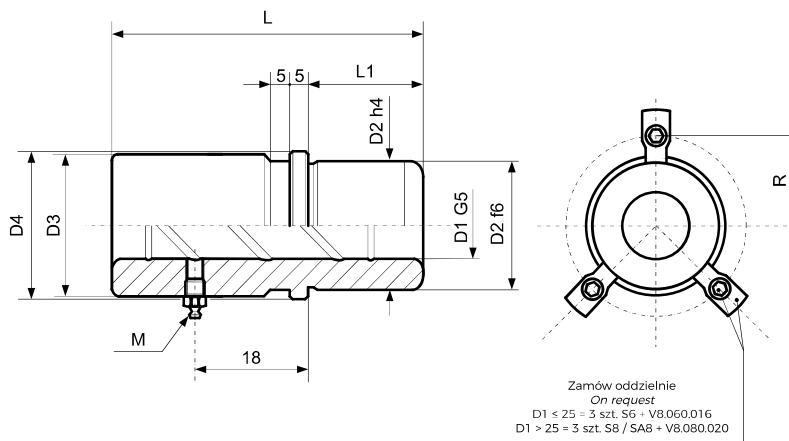
61 ÷ 63 HRC

Jak zamówić / How to order

Symbol: **BE50L**

Inne wymiary na żądanie
Other dimensions on demand

Zaczepty str. H58
Retaining clamps page H58



TYP M / TYPE M								
Symbol	D1	L	D2	D3	D4	L1	R	M
BE18M	18	50	28	31	34	18	21	M6X1
BE19M	19	50	28	31	34	18	21	M6X1
BE24M	24	55	38	41	44	23	26	M10X1
BE25M	25	55	38	41	44	23	26	M10X1
BE30M	30	60	45	50	53	26	31,5	M10X1
BE32M	32	60	45	50	53	26	31,5	M10X1
BE40M	40	67	54	60	63	30	36,5	M10X1
BE42M	42	67	54	60	63	30	36,5	M10X1
BE50M	50	75	65	76	79	35	44,5	M10X1
BE52M	52	75	65	76	79	35	44,5	M10X1
BE63M	63	90	81	89	92	48	51	M10X1

TYP L / TYPE L								
Symbol	D1	L	D2	D3	D4	L1	R	M
BE18L	18	70	28	31	34	18	21	M6X1
BE19L	19	70	28	31	34	18	21	M6X1
BE24L	24	80	38	41	44	23	26	M10X1
BE25L	25	80	38	41	44	23	26	M10X1
BE30L	30	90	45	50	53	26	31,5	M10X1
BE32L	32	90	45	50	53	26	31,5	M10X1
BE40L	40	100	54	60	63	30	36,5	M10X1
BE42L	42	100	54	60	63	30	36,5	M10X1
BE50L	50	110	65	76	79	35	44,5	M10X1
BE52L	52	110	65	76	79	35	44,5	M10X1
BE63L	63	130	81	89	92	48	51	M10X1

TYP XL / TYPE XL								
Symbol	D1	L	D2	D3	D4	L1	R	M
BE18XL	18	70	28	31	34	27	21	M6X1
BE19XL	19	70	28	31	34	27	21	M6X1
BE24XL	24	80	38	41	44	32	26	M10X1
BE25XL	25	80	38	41	44	32	26	M10X1
BE30XL	30	90	45	50	53	37	31,5	M10X1
BE32XL	32	90	45	50	53	37	31,5	M10X1
BE40XL	40	100	54	60	63	47	36,5	M10X1
BE42XL	42	100	54	60	63	47	36,5	M10X1
BE50XL	50	110	65	76	79	57	44,5	M10X1
BE52XL	52	110	65	76	79	57	44,5	M10X1
BE63XL	63	130	81	89	92	67	51	M10X1

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

GUIDE BUSHES WITH SHOULDER, STEEL / BRONZE

BEB
STANDARD
WŁOSKI

Materiał / Material

C45
BRĄZ / BRONZE

Twardość / Hardness

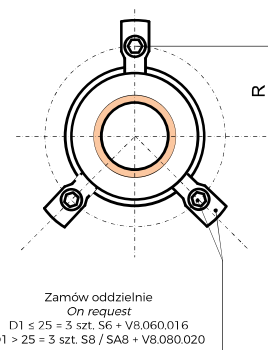
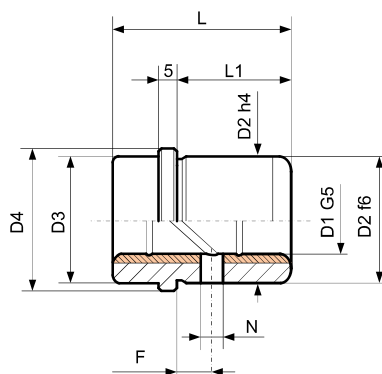
54 + 58 HRC (D2)

Jak zamówić / How to order

Symbol: BEB40XM

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP C / TYPE C									
Symbol	D1	L	D2	D3	D4	L1	R	N	F
BEB18C	18	31	28	29	34	18	21	5	8
BEB19C	19	31	28	29	34	18	21	5	8
BEB24C	24	36	38	39	44	23	26	5	12
BEB25C	25	36	38	39	44	23	26	5	12
BEB30C	30	43	45	48	53	30	31.5	5	16
BEB32C	32	43	45	48	53	30	31.5	5	16
BEB40C	40	51	54	58	63	38	36.5	8	19
BEB42C	42	51	54	58	63	38	36.5	8	19
BEB50C	50	61	65	74	79	48	44.5	8	19
BEB52C	52	61	65	74	79	48	44.5	8	19
BEB63C	63	74	81	87	92	61	51	8	19
BEB80C	80	91	100	106	111	78	60.5	8	19

TYP XM / TYPE XM									
Symbol	D1	L	D2	D3	D4	L1	R	N	F
BEB18XM	18	50	28	29	34	37	21	5	8
BEB19XM	19	50	28	29	34	37	21	5	8
BEB24XM	24	55	38	39	44	42	26	5	12
BEB25XM	25	55	38	39	44	42	26	5	12
BEB30XM	30	60	45	48	53	47	31.5	5	16
BEB32XM	32	60	45	48	53	47	31.5	5	16
BEB40XM	40	67	54	58	63	54	36.5	8	19
BEB42XM	42	67	54	58	63	54	36.5	8	19
BEB50XM	50	75	65	74	79	62	44.5	8	19
BEB52XM	52	75	65	74	79	62	44.5	8	19
BEB63XM	63	90	81	87	92	77	51	8	19

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

GUIDE BUSHES WITH SHOULDER, STEEL / BRONZE

BEB
STANDARD
WŁOSKI

Materiał / Material

C45
BRĄZ / BRONZE

Twardość / Hardness

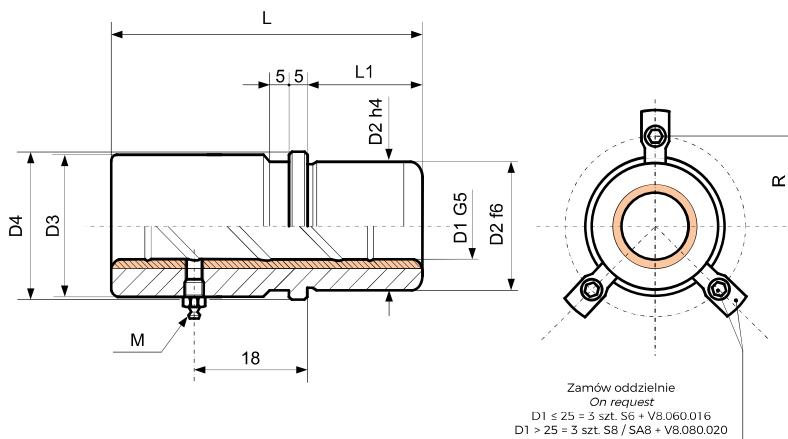
54 ÷ 58 HRC (D2)

Jak zamówić / How to order

Symbol: BEB40XL

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP M / TYPE M								
Symbol	D1	L	D2	D3	D4	L1	R	M
BEB18M	18	50	28	31	34	18	21	M6X1
BEB19M	19	50	28	31	34	18	21	M6X1
BEB24M	24	55	38	41	44	23	26	M10X1
BEB25M	25	55	38	41	44	23	26	M10X1
BEB30M	30	60	45	50	53	26	31,5	M10X1
BEB32M	32	60	45	50	53	26	31,5	M10X1
BEB40M	40	67	54	60	63	30	36,5	M10X1
BEB42M	42	67	54	60	63	30	36,5	M10X1
BEB50M	50	75	65	76	79	35	44,5	M10X1
BEB52M	52	75	65	76	79	35	44,5	M10X1
BEB63M	63	90	81	89	92	48	51	M10X1
BEB80M	80	100	100	108	111	48	60,5	M10X1

TYP L / TYPE L								
Symbol	D1	L	D2	D3	D4	L1	R	M
BEB18L	18	70	28	31	34	18	21	M6X1
BEB19L	19	70	28	31	34	18	21	M6X1
BEB24L	24	80	38	41	44	23	26	M10X1
BEB25L	25	80	38	41	44	23	26	M10X1
BEB30L	30	90	45	50	53	26	31,5	M10X1
BEB32L	32	90	45	50	53	26	31,5	M10X1
BEB40L	40	100	54	60	63	30	36,5	M10X1
BEB42L	42	100	54	60	63	30	36,5	M10X1
BEB50L	50	110	65	76	79	35	44,5	M10X1
BEB52L	52	110	65	76	79	35	44,5	M10X1
BEB63L	63	130	81	89	92	48	51	M10X1
BEB80L	80	150	100	108	111	48	60,5	M10X1

TYP XL / TYPE XL								
Symbol	D1	L	D2	D3	D4	L1	R	M
BEB18XL	18	70	28	31	34	27	21	M6X1
BEB19XL	19	70	28	31	34	27	21	M6X1
BEB24XL	24	80	38	41	44	32	26	M10X1
BEB25XL	25	80	38	41	44	32	26	M10X1
BEB30XL	30	90	45	50	53	37	31,5	M10X1
BEB32XL	32	90	45	50	53	37	31,5	M10X1
BEB40XL	40	100	54	60	63	47	36,5	M10X1
BEB42XL	42	100	54	60	63	47	36,5	M10X1
BEB50XL	50	110	65	76	79	57	44,5	M10X1
BEB52XL	52	110	65	76	79	57	44,5	M10X1
BEB63XL	63	130	81	89	92	67	51	M10X1
BEB80XL	80	150	100	108	111	77	60,5	M10X1

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE BRĄZOWE

GUIDE BUSHES WITH SHOULDER, BRONZE

BBE
STANDARD
WŁOSKI

Materiał / Material

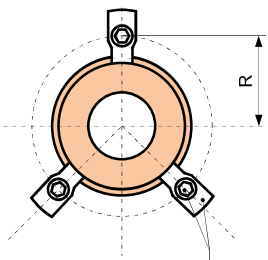
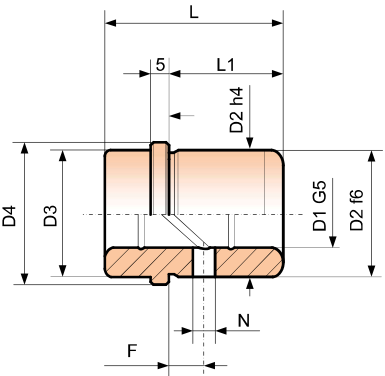
BRĄZ / BRONZE

Jak zamówić / How to order

Symbol: BBE80C

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Zamów oddzielnie
On request
D1 ≤ 25 = 3 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020

TYP C / TYPE C

Symbol	D1	L	D2	D3	D4	L1	R	N	F
BBE18C	18	31	28	29	34	18	21	5	8
BBE19C	19	31	28	29	34	18	21	5	8
BBE24C	24	36	38	39	44	23	26	5	12
BBE25C	25	36	38	39	44	23	26	5	12
BBE30C	30	43	45	48	53	30	31,5	5	16
BBE32C	32	43	45	48	53	30	31,5	5	16
BBE40C	40	51	54	58	63	38	36,5	8	19
BBE42C	42	51	54	58	63	38	36,5	8	19
BBE50C	50	61	65	74	79	48	44,5	8	19
BBE52C	52	61	65	74	79	48	44,5	8	19
BBE63C	63	74	81	87	92	61	51	8	19
BBE80C	80	91	100	106	111	78	60,5	8	19

TYP XM / TYPE XM

Symbol	D1	L	D2	D3	D4	L1	R	N	F
BBE18XM	18	50	28	29	34	37	21	5	8
BBE19XM	19	50	28	29	34	37	21	5	8
BBE24XM	24	55	38	39	44	42	26	5	12
BBE25XM	25	55	38	39	44	42	26	5	12
BBE30XM	30	60	45	48	53	47	31,5	5	16
BBE32XM	32	60	45	48	53	47	31,5	5	16
BBE40XM	40	67	54	58	63	54	36,5	8	19
BBE42XM	42	67	54	58	63	54	36,5	8	19
BBE50XM	50	75	65	74	79	62	44,5	8	19
BBE52XM	52	75	65	74	79	62	44,5	8	19
BBE63XM	63	90	81	87	92	77	51	8	19

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE BRĄZOWE

GUIDE BUSHES WITH SHOULDER, BRONZE

BBE
STANDARD
WŁOSKI

Materiał / Material

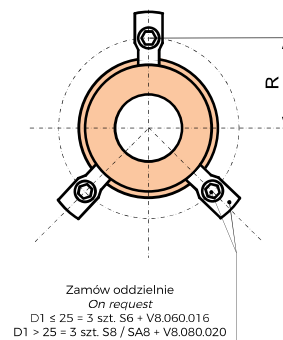
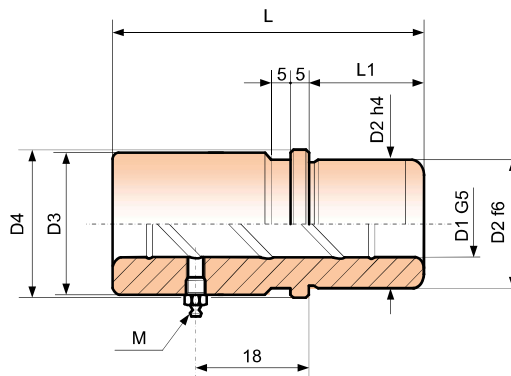
BRĄZ / BRONZE

Jak zamówić / How to order

Symbol: **BBE50L**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



TYP M / TYPE M								
Symbol	D1	L	D2	D3	D4	L1	R	M
BBE18M	18	50	28	31	34	18	21	M6X1
BBE19M	19	50	28	31	34	18	21	M6X1
BBE24M	24	55	38	41	44	23	26	M10X1
BBE25M	25	55	38	41	44	23	26	M10X1
BBE30M	30	60	45	50	53	26	31.5	M10X1
BBE32M	32	60	45	50	53	26	31.5	M10X1
BBE40M	40	67	54	60	63	30	36.5	M10X1
BBE42M	42	67	54	60	63	30	36.5	M10X1
BBE50M	50	75	65	76	79	35	44.5	M10X1
BBE52M	52	75	65	76	79	35	44.5	M10X1
BBE63M	63	90	81	89	92	48	51	M10X1
BBE80M	80	100	100	108	111	48	60.5	M10X1

TYP L / TYPE L								
Symbol	D1	L	D2	D3	D4	L1	R	M
BBE18L	18	70	28	31	34	18	21	M6X1
BBE19L	19	70	28	31	34	18	21	M6X1
BBE24L	24	80	38	41	44	23	26	M10X1
BBE25L	25	80	38	41	44	23	26	M10X1
BBE30L	30	90	45	50	53	26	31.5	M10X1
BBE32L	32	90	45	50	53	26	31.5	M10X1
BBE40L	40	100	54	60	63	30	36.5	M10X1
BBE42L	42	100	54	60	63	30	36.5	M10X1
BBE50L	50	110	65	76	79	35	44.5	M10X1
BBE52L	52	110	65	76	79	35	44.5	M10X1
BBE63L	63	130	81	89	92	48	51	M10X1
BBE80L	80	150	100	108	111	48	60.5	M10X1

TYP XL / TYPE XL								
Symbol	D1	L	D2	D3	D4	L1	R	M
BBE18XL	18	70	28	31	34	27	21	M6X1
BBE19XL	19	70	28	31	34	27	21	M6X1
BBE24XL	24	80	38	41	44	32	26	M10X1
BBE25XL	25	80	38	41	44	32	26	M10X1
BBE30XL	30	90	45	50	53	37	31.5	M10X1
BBE32XL	32	90	45	50	53	37	31.5	M10X1
BBE40XL	40	100	54	60	63	47	36.5	M10X1
BBE42XL	42	100	54	60	63	47	36.5	M10X1
BBE50XL	50	110	65	76	79	57	44.5	M10X1
BBE52XL	52	110	65	76	79	57	44.5	M10X1
BBE63XL	63	130	81	89	92	67	51	M10X1
BBE80XL	80	150	100	108	111	77	60.5	M10X1

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

Material / Material

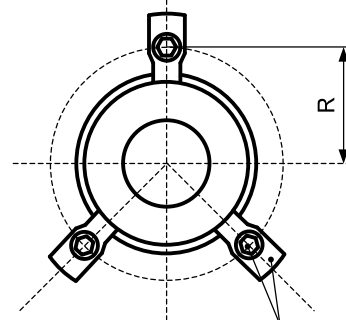
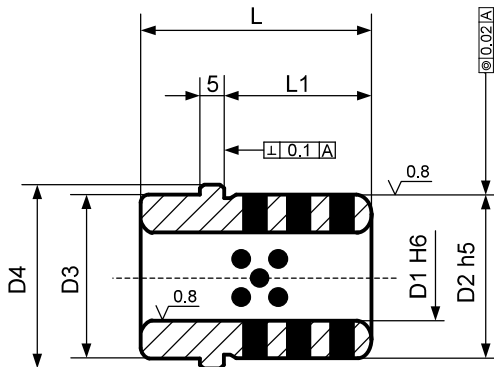
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BEG80C**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Zamów oddzielnie
On request
D1 ≤ 25 = 3 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020

TYP C / TYPE C							
Symbol	D1	L	D2	D3	D4	L1	R
BEG18C	18	31	28	29	34	18	21
BEG19C	19	31	28	29	34	18	21
BEG24C	24	36	38	39	44	23	26
BEG25C	25	36	38	39	44	23	26
BEG30C	30	43	45	48	53	30	31.5
BEG32C	32	43	45	48	53	30	31.5
BEG40C	40	51	54	58	63	38	36.5
BEG42C	42	51	54	58	63	38	36.5
BEG50C	50	61	65	74	79	48	44.5
BEG52C	52	61	65	74	79	48	44.5
BEG63C	63	74	81	87	92	61	51
BEG80C	80	91	100	106	111	78	60.5

TYP XM / TYPE XM							
Symbol	D1	L	D2	D3	D4	L1	R
BEG18XM	18	50	28	29	34	37	21
BEG19XM	19	50	28	29	34	37	21
BEG24XM	24	55	38	39	44	42	26
BEG25XM	25	55	38	39	44	42	26
BEG30XM	30	60	45	48	53	47	31.5
BEG32XM	32	60	45	48	53	47	31.5
BEG40XM	40	67	54	58	63	54	36.5
BEG42XM	42	67	54	58	63	54	36.5
BEG50XM	50	75	65	74	79	62	44.5
BEG52XM	52	75	65	74	79	62	44.5
BEG63XM	63	90	81	87	92	77	51

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

STANDARD
WŁOSKI
BEG

Materiał / Material

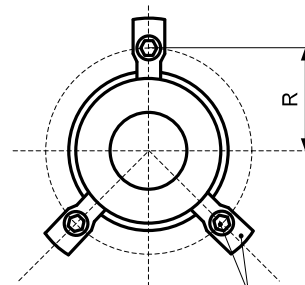
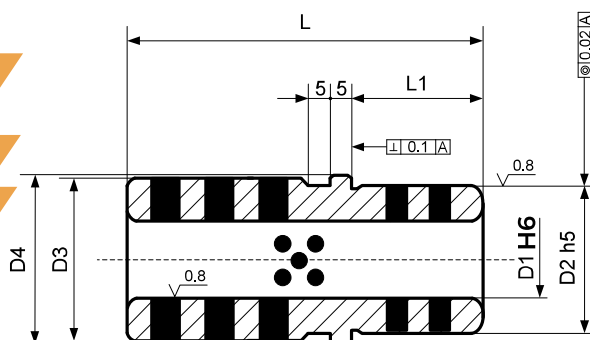
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BEG50L

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Zamów oddzielnie
On request
D1 ≤ 25 = 3 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020

TYP M / TYPE M							
Symbol	D1	L	D2	D3	D4	L1	R
BEG18M	18	50	28	31	34	18	21
BEG19M	19	50	28	31	34	18	21
BEG24M	24	55	38	41	44	23	26
BEG25M	25	55	38	41	44	23	26
BEG30M	30	60	45	50	53	26	31,5
BEG32M	32	60	45	50	53	26	31,5
BEG40M	40	67	54	60	63	30	36,5
BEG42M	42	67	54	60	63	30	36,5
BEG50M	50	75	65	76	79	35	44,5
BEG52M	52	75	65	76	79	35	44,5
BEG63M	63	90	81	89	92	48	51
BEG80M	80	100	100	108	111	48	60,5

TYP L / TYPE L							
Symbol	D1	L	D2	D3	D4	L1	R
BEG18L	18	70	28	31	34	18	21
BEG19L	19	70	28	31	34	18	21
BEG24L	24	80	38	41	44	23	26
BEG25L	25	80	38	41	44	23	26
BEG30L	30	90	45	50	53	26	31,5
BEG32L	32	90	45	50	53	26	31,5
BEG40L	40	100	54	60	63	30	36,5
BEG42L	42	100	54	60	63	30	36,5
BEG50L	50	110	65	76	79	35	44,5
BEG52L	52	110	65	76	79	35	44,5
BEG63L	63	130	81	89	92	48	51
BEG80L	80	150	100	108	111	48	60,5

TYP XL / TYPE XL							
Symbol	D1	L	D2	D3	D4	L1	R
BEG18XL	18	70	28	31	34	27	21
BEG19XL	19	70	28	31	34	27	21
BEG24XL	24	80	38	41	44	32	26
BEG25XL	25	80	38	41	44	32	26
BEG30XL	30	90	45	50	53	37	31,5
BEG32XL	32	90	45	50	53	37	31,5
BEG40XL	40	100	54	60	63	47	36,5
BEG42XL	42	100	54	60	63	47	36,5
BEG50XL	50	110	65	76	79	57	44,5
BEG52XL	52	110	65	76	79	57	44,5
BEG63XL	63	130	81	89	92	67	51
BEG80XL	80	150	100	108	111	77	60,5

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE

GUIDE BUSHES WITH SHOULDER

BESS
STANDARD
WŁOSKI

Materiał / Material

1.7131

Twardość / Hardness

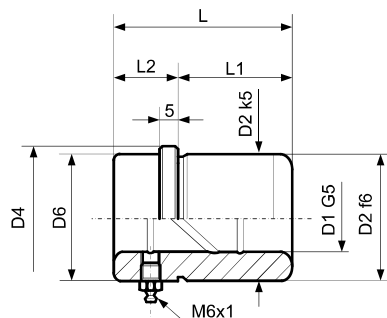
61 ÷ 63 HRC

Jak zamówić / How to order

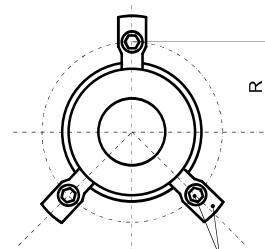
Symbol: BESS4090

Zaczepty str. H58
Retaining clamps page H58

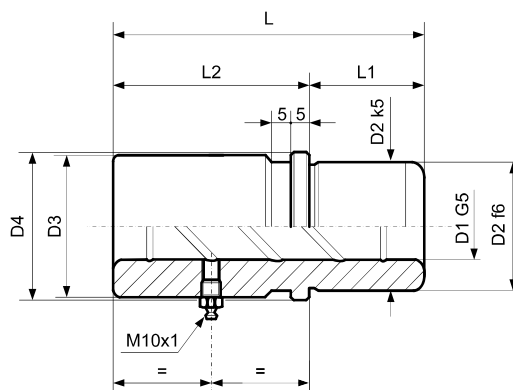
Inne wymiary na żądanie
Other dimensions on demand



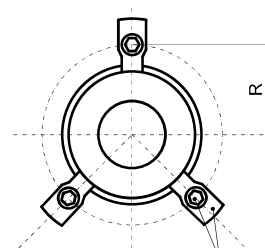
TYP / TYPE C



Zamów oddzielnie
On request
D1 ≤ 25 = 5 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020



TYP / TYPE L



Zamów oddzielnie
On request
D1 ≤ 25 = 5 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020

Symbol	D1	L	L1	L2	D2	D3	D4	D6	R	TYP / TYPE
BESS2540	25	40	25	15	40		45	37	25,5	C
BESS2570		70	25	45	40	42	45		25,5	L
BESS3050	30	50	30	20	45		55	47	32,5	C
BESS3080		80	30	50	45	52	55		32,5	L
BESS4055	40	55	35	20	55		65	57	37,5	C
BESS4090		90	35	55	55	62	65		37,5	L
BESS5065	50	65	45	20	70		79	72	44,5	C
BESS50100		100	45	55	70	77	79		44,5	L
BESS6368	63	68	48	20	81		92	84	51	C
BESS63110		110	48	62	81	90	92		51	L

TULEJE PROWADZĄCE Z WKŁADKĄ BRĄZOWĄ

GUIDE BUSHES WITH SHOULDER, STEEL / BRONZE

BEBSS
STANDARD
WŁOSKI

Materiał / Material

1.7131
BRĄZ / BRONZE

Twardość / Hardness

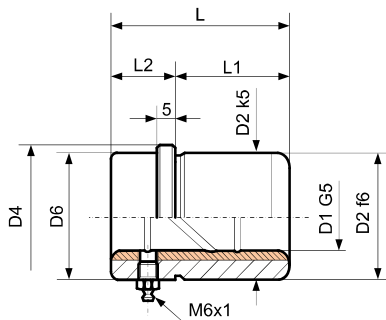
52 ± 54 HRC

Jak zamówić / How to order

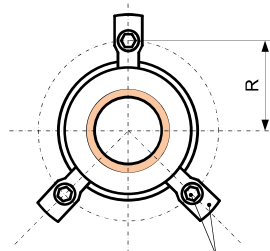
Symbol: BEBSS6368

Zaczepty str. H58
Retaining clamps page H58

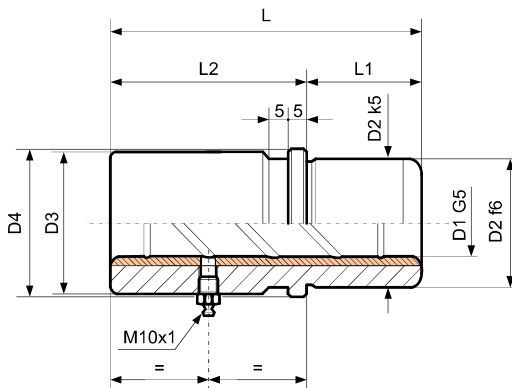
Inne wymiary na żądanie
Other dimensions on demand



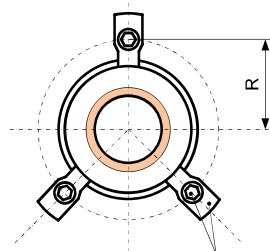
TYP / TYPE C



Zamów oddzielnie
On request
D1 ≤ 25 = 3 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020



TYP / TYPE L



Zamów oddzielnie
On request
D1 ≤ 25 = 3 szt. S6 + V8.060.016
D1 > 25 = 3 szt. S8 / SA8 + V8.080.020

Symbol	D1	L	L1	L2	D2	D3	D4	D6	R	TYP / TYPE
BEBSS2540	25	40	25	15	40		45	37	25,5	C
BEBSS2570		70	25	45	40	42	45		25,5	L
BEBSS3050	30	50	30	20	45		55	47	32,5	C
BEBSS3080		80	30	50	45	52	55		32,5	L
BEBSS4055	40	55	35	20	55		65	57	37,5	C
BEBSS4090		90	35	55	55	62	65		37,5	L
BEBSS5065	50	65	45	20	70		79	72	44,5	C
BEBSS50100		100	45	55	70	77	79		44,5	L
BEBSS6368	63	68	48	20	81		92	84	51	C
BEBSS63110		110	48	62	81	90	92		51	L

Elementy prowadzące do tłoczników

Materiał / Material

1.1213

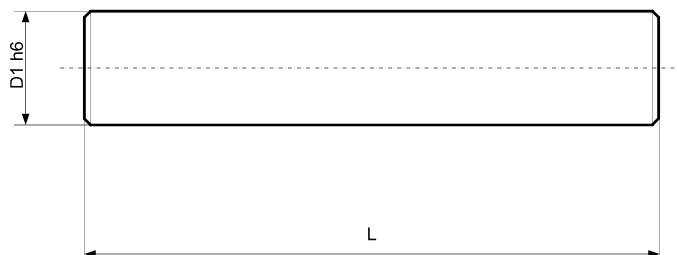
Obróbka cieplna / Thermal treatment

Hartowanie indukcyjne
Hardened for induction

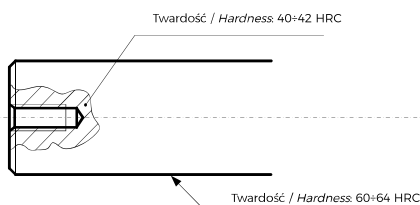
Jak zamówić / How to order

Symbol: BARRAT50

Inne wymiary na żądanie
Other dimensions on demand



Otwór gwintowany na żądanie
Thread hole on request



Symbol	D1	L
BARRAT6	6	1000
BARRAT8	8	1000
BARRAT10	10	1000
BARRAT12	12	1000
BARRAT14	14	1000
BARRAT16	16	1000
BARRAT18	18	1000
BARRAT20	20	1000
BARRAT25	25	1000
BARRAT30	30	1000
BARRAT32	32	1000
BARRAT40	40	1000
BARRAT50	50	1000
BARRAT60	60	1000

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

DIN 9834 / ISO 9448

BC01

Materiał / Material

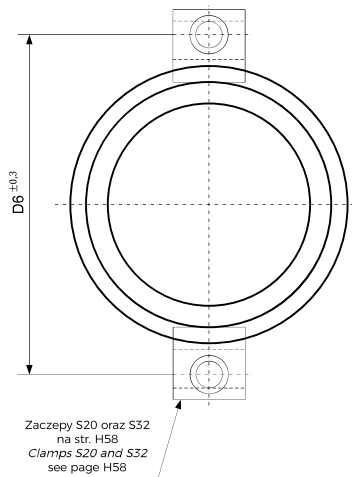
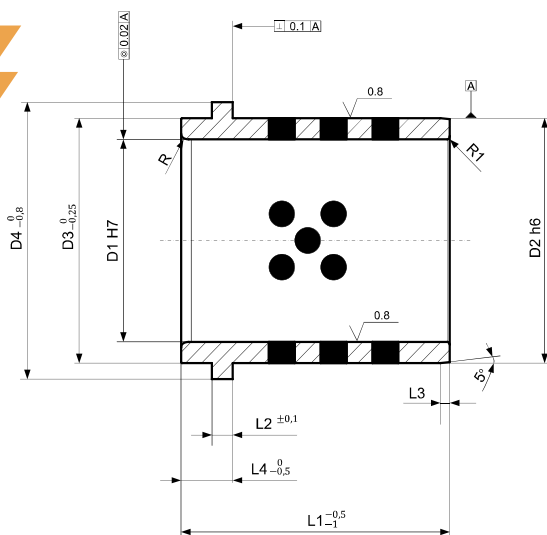
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BC01.063080**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	D4	D6	L1	L2	L3	L4	R
BC01.025040	25	32	32	40	58	40	6,3	3	10	3
BC01.030050	30	40	40	50	66	50	6,3	4	12	3
BC01.032050	32	40	40	50	66	50	6,3	4	12	3
BC01.040063	40	50	50	63	79	63	6,3	5	15	3
BC01.050071	50	63	63	71	89	71	6,3	6,3	17	5
BC01.060080	60	80	80	90	123	80	10	8	19	6
BC01.063080	63	80	80	90	123	80	10	8	19	6
BC01.080100	80	100	100	112	143	100	10	10	22	8
BC01.100125	100	125	125	140	168	125	10	12,5	21	10
BC01.125160	125	160	160	180	203	160	10	16	30	12
BC01.160200	160	200	200	220	243	200	10	16	32	18

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

AFNOR

BC02

Materiał / Material

BRĄZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

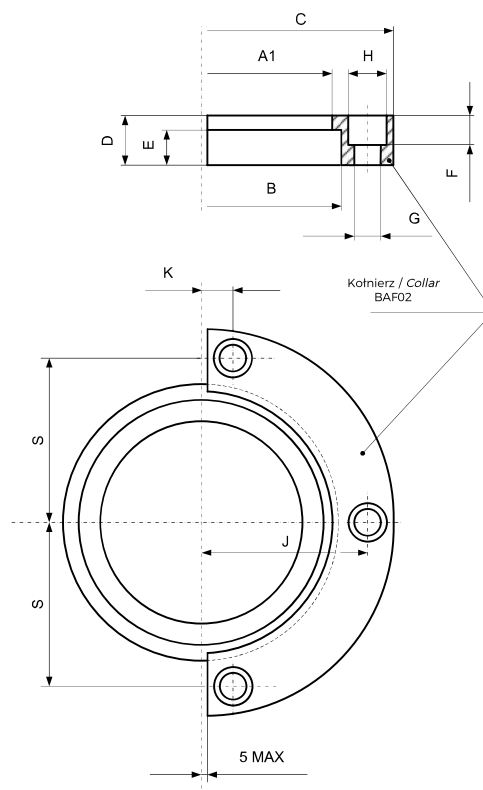
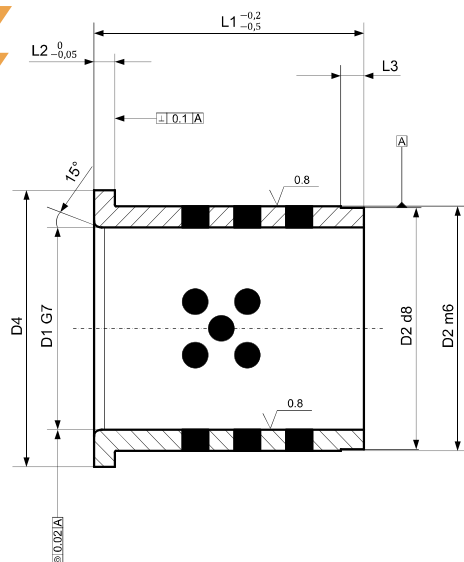
Symbol: **BG02.063100**

+

Kołnierz BAF02: **BAF02.063**

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D4	L1	L2	L3	J	S
BC02.025040	25	35	40	40	5	5	-	20
BC02.032050	32	44	50	50	6	8	-	25
BC02.040063	40	52	60	63	8	8	41	38,5
BC02.050080	50	63	71	80	10	8	49	46
BC02.063100	63	80	90	100	12	10	57,5	55
BC02.080125	80	100	112	125	16	10	72	70
BC02.100160	100	125	140	160	20	10	85	81

Symbol	D1	A1	B	C	D	E	F	G	H	K	J	S
BAF02.025	25	32	41	72	10	5	7	6,6	12	20	-	20
BAF02.032	32	40	51	80	12	6	7	6,6	12	21	-	25
BAF02.040	40	50	61	100	12	8	7	6,6	12	14	41	38,5
BAF02.050	50	63	72	125	16	10	9	9	16	17	49	46
BAF02.063	63	80	91	140	20	12	11	11	18	17	57,5	55
BAF02.080	80	100	113	180	25	16	13	14	22	20	72	70
BAF02.100	100	125	141	200	32	20	13	14	22	25	85	81

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

NAAMS

BC03

Materiał / Material

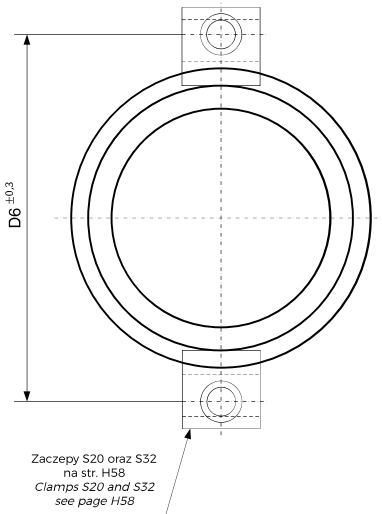
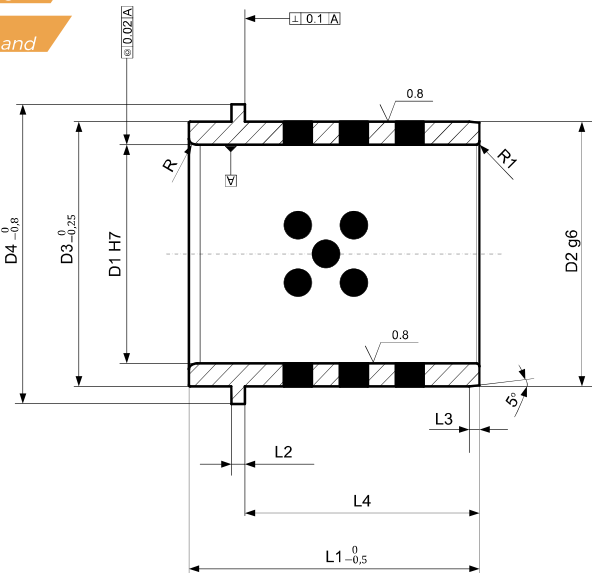
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BG03.080100**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	D4	D6	L1	L2 +/-0.1	L3	L4	R
BC03.025040	25	32	32	40	75	40	6	3	30	3
BC03.030050	30	40	40	50	83	50	6	4	40	3
BC03.032050	32	40	40	50	83	50	6	4	40	3
BC03.040063	40	50	50	63	93	63	6	5	50	3
BC03.050071	50	63	63	71	106	71	6	6.3	56	5
BC03.063080	63	80	80	90	123	80	6	8	63	6
BC03.080100	80	100	100	112	143	100	6	10	80	8
BC03.100125	100	125	125	140	168	125	6	12.5	106	10
BC03.125160	125	160	160	180	203	160	6	16	132	12

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

AFNOR

BC04

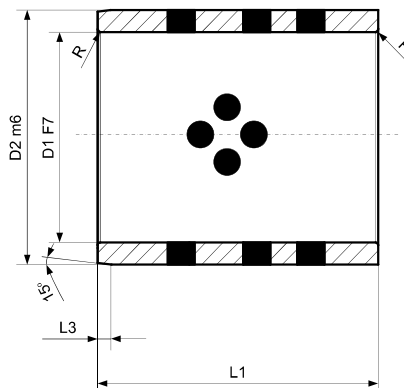
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BG04.253325

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	L1	L3	R
BG04.081114	8	11	14	2	0.5
BG04.081115			15		
BG04.081208		12	8		
BG04.081210			10		
BG04.081212			12		
BG04.081215			15		
BG04.101408	10	14	8	2	0.5
BG04.101410			10		
BG04.101412			12		
BG04.101415			15		
BG04.101420			20		
BG04.101510		15	10		
BG04.121610	12	16	10	2	0.5
BG04.121612			12		
BG04.121620			20		
BG04.121810		18	10		
BG04.121812			12		
BG04.121815			15		
BG04.121816			16		
BG04.121820			20		
BG04.121825			25		
BG04.121830			30		
BG04.131910	13	19	10	2	0.5
BG04.131916			16		
BG04.131920			20		
BG04.142010	14	20	10	2	0.5
BG04.142012			12		
BG04.142016			16		
BG04.142020			20		
BG04.142025			25		
BG04.142030			30		
BG04.152110	15	21	10	2	0.5
BG04.152112			12		
BG04.152115			15		
BG04.152120			20		
BG04.152125			25		
BG04.152130			30		
BG04.162016	16	20	16	2	0.75
BG04.162020			20		
BG04.162025			25		
BG04.162028			28		
BG04.162210	16	22	10	2	0.75
BG04.162212			12		
BG04.162215			15		
BG04.162216			16		
BG04.162220			20		
BG04.162225			25		
BG04.162230			30		
BG04.162235			35		
BG04.162240			40		

Symbol	D1	D2	L1	L3	R
BG04.182412	18	24	12	2	0.75
BG04.182415			15		
BG04.182416			16		
BG04.182418			18		
BG04.182420			20		
BG04.182425			25		
BG04.182430			30		
BG04.182435			35		
BG04.182440			40		
BG04.192615	19	26	15	2	0.75
BG04.192620			20		
BG04.202615	20	26	15	4	0.75
BG04.202620			20		
BG04.202625			25		
BG04.202630		28	30		
BG04.202810			10		
BG04.202812			12		
BG04.202815			15		
BG04.202816			16		
BG04.202820			20		
BG04.202825			25		
BG04.202830			30		
BG04.202835			35		
BG04.202840			40		
BG04.202850			50		
BG04.203016		30	16		
BG04.203020			20		
BG04.203025			25		
BG04.203030			30		
BG04.203035			35		
BG04.203040			40		
BG04.203050			50		
BG04.223212	22	32	12	4	0.75
BG04.223215			15		
BG04.223220			20		
BG04.223225			25		
BG04.253020	25	30	20	4	0.75
BG04.253312			12		
BG04.253316			16		
BG04.253320			20		
BG04.253325		33	25		
BG04.253330			30		
BG04.253335			35		
BG04.253340			40		
BG04.253350			50		
BG04.253360			60		
BG04.253512		35	12		
BG04.253516			16		
BG04.253520			20		
BG04.253525			25		

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

AFNOR

BC04

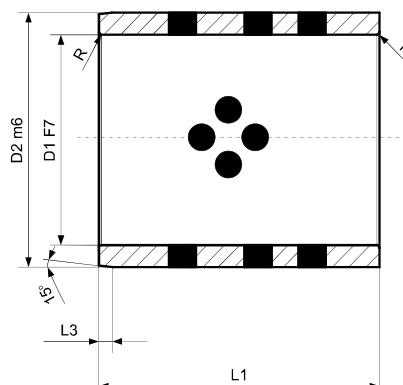
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BG04.405550

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	L1	L3	R
BG04.253530	25	35	30	4	0.75
BG04.253535			35		
BG04.253540			40		
BG04.253550			50		
BG04.253560	30	38	60	4	0.75
BG04.303815			15		
BG04.303820			20		
BG04.303825			25		
BG04.303830			30		
BG04.303835			35		
BG04.303840			40		
BG04.303845			45		
BG04.303850			50		
BG04.303860			60		
BG04.304020		40	20		
BG04.304025			25		
BG04.304030			30		
BG04.304035			35		
BG04.304040			40		
BG04.304050			50		
BG04.304060			60		
BG04.304540		45	40		
BG04.314030	31	40	30	4	0.75
BG04.314040			40		
BG04.324230	32	42	30	4	0.75
BG04.324240			40		
BG04.354425	35	44	25	4	0.75
BG04.354430			30		
BG04.354435			35		
BG04.354440			40		
BG04.354450			50		
BG04.354460			60		
BG04.354520	35	45	20	4	0.75
BG04.354525			25		
BG04.354530			30		
BG04.354535			35		
BG04.354540			40		
BG04.354545			45		
BG04.354550			50		
BG04.354560			60		
BG04.3545100			100		
BG04.384830	38	48	30	4	0.75
BG04.384840			40		
BG04.405020	40	50	20	4	0.75
BG04.405025			25		
BG04.405030			30		
BG04.405035			35		
BG04.405040			40		
BG04.405050			50		
BG04.405060			60		
BG04.405070			70		
BG04.405080			80		

Symbol	D1	D2	L1	L3	R
BG04.405525	40	55	25	4	0.75
BG04.405530			30		
BG04.405535			35		
BG04.405540			40		
BG04.405550	45	55	50	4	1.5
BG04.405560			60		
BG04.455530			30		
BG04.455535			35		
BG04.455540			40		
BG04.455550			50		
BG04.455560			60		
BG04.4555110			110		
BG04.455630		56	30		
BG04.455635			35		
BG04.455640			40		
BG04.455650			50		
BG04.455660	50	60	60	4	1.5
BG04.456030			30		
BG04.456040			40		
BG04.456050			50		
BG04.456060			60		
BG04.456070			70		
BG04.456080			80		
BG04.506030		60	30		
BG04.506035			35		
BG04.506040			40		
BG04.506050			50		
BG04.506060	50	62	60	4	1.5
BG04.506070			70		
BG04.506080			80		
BG04.506230			30		
BG04.506235			35		
BG04.506240			40		
BG04.506250			50		
BG04.506260			60		
BG04.506270			70		
BG04.506280			80		
BG04.506530	55	70	30	4	1.5
BG04.506540			40		
BG04.506550			50		
BG04.506560			60		
BG04.506570			70		
BG04.506580			80		
BG04.5065100			100		
BG04.557040			40		
BG04.557050			50		
BG04.557060			60		
BG04.557070			70		

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

AFNOR

BC04

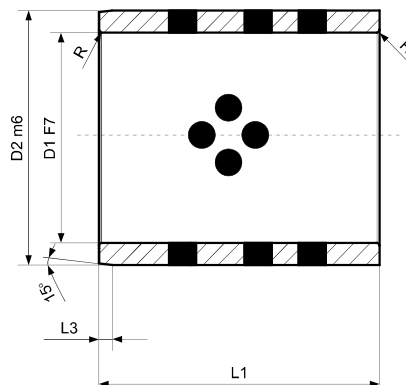
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BG04.8010060**

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	L1	L3	R
BC04.607050	60	70	50	4	1.5
BC04.607430			30		
BC04.607435			35		
BC04.607440			40		
BC04.607445			45		
BC04.607450			50		
BC04.607460			60		
BC04.607470			70		
BC04.607480		75	80	4	1.5
BC04.607530			30		
BC04.607535			35		
BC04.607540			40		
BC04.607550			50		
BC04.607560			60		
BC04.607570			70		
BC04.607580			80		
BC04.6075100			100		
BC04.637560	63	75	60	4	3
BC04.637570			70		
BC04.637580			80		
BC04.658050			50		
BC04.658060	65	80	60	4	3
BC04.658070			70		
BC04.658080			80		
BC04.708535			35		
BC04.708540	70	85	40	4	3
BC04.708550			50		
BC04.708560			60		
BC04.708570			70		
BC04.708580			80		
BC04.7085100			100		
BC04.709040		90	40	4	3
BC04.709050			50		
BC04.709060			60		
BC04.709070			70		
BC04.709080			80		
BC04.759060		90	60	4	3
BC04.759070			70		
BC04.759080			80		
BC04.7590100			100		
BC04.759560		95	60		3
BC04.759570			70		
BC04.759580			80		
BC04.7595100			100		

Symbol	D1	D2	L1	L3	R
BC04.809640	80	96	40	4	3
BC04.809650			50		
BC04.809660			60		
BC04.809670			70		
BC04.809680			80		
BC04.8096100			100		
BC04.8096120			120		
BC04.8010040		100	40	4	3
BC04.8010050			50		
BC04.8010060			60		
BC04.8010070			70		
BC04.8010080			80		
BC04.80100100			100		
BC04.80100120			120		
BC04.80100140			140		
BC04.9011050	90	110	50	4	3
BC04.9011060			60		
BC04.9011070			70		
BC04.9011080			80		
BC04.90110100			100		
BC04.90110120			120		
BC04.10012060			60		
BC04.10012070			70		
BC04.10012080	100	120	80	4	3
BC04.100120100			100		
BC04.100120120			120		
BC04.100120140			140		
BC04.11013080	110	130	80	4	3
BC04.110130100			100		
BC04.110130120			120		
BC04.12014080			80		
BC04.120140100	120	140	100	4	3
BC04.120140120			120		
BC04.120140140			140		
BC04.125145100	125	145	100	4	3
BC04.125145120			120		
BC04.130150100	130	150	100	4	3
BC04.130150120			120		
BC04.130150130			130		
BC04.140160100			100		
BC04.140160140	140	160	140	4	3
BC04.150170100			100		
BC04.150170150			150		
BC04.160180100			100		
BC04.160180150	160	180	150		

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

BG05

Materiał / Material

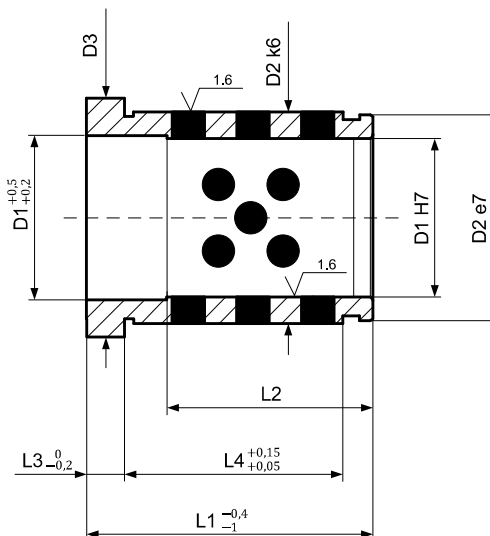
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BG05.020036

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L1	D2	D3	L2	L3	L4
BG05.009012		BG05.010012		12					5.5
BG05.009017		BG05.010017		17					10.5
BG05.009022		BG05.010022		22			-		15.5
BG05.009027	9	BG05.010027	10	27	14	16		3	20.5
BG05.009036		BG05.010036		36					29.5
BG05.009046		BG05.010046		46				24	39.5
BG05.009056		BG05.010056		56					49.5
BG05.012017				17					7
BG05.012022				22					12
BG05.012027				27	18	23		6	17
BG05.012036	12			36					26
BG05.012046				46				24	36
BG05.012056				56					46
BG05.014017		BG05.015017		17					7
BG05.014022		BG05.015022		22					12
BG05.014027		BG05.015027		27			-		17
BG05.014036	14	BG05.015036	15	36	20	25		6	26
BG05.014046		BG05.015046		46					36
BG05.014056		BG05.015056		56			30		46
BG05.016017				17					7
BG05.016022				22					12
BG05.016027				27	22	27		6	17
BG05.016036	16			36					26
BG05.016046				46				32	36
BG05.016056				56					46
BG05.018017		BG05.020017		17					7
BG05.018022		BG05.020022		22					12
BG05.018027		BG05.020027		27			-		17
BG05.018036	18	BG05.020036	20	36	26	31		6	26
BG05.018046		BG05.020046		46					36
BG05.018056		BG05.020056		56					46
BG05.018066		BG05.020066		66			40		56
BG05.018076		BG05.020076		76					66

Symbol	D1	Symbol	D1	L1	D2	D3	L2	L3	L4
BG05.022022		BG05.024022		22					11
BG05.022027		BG05.024027		27					16
BG05.022036		BG05.024036		36			-		25
BG05.022046		BG05.024046		46					35
BG05.022056	22	BG05.024056	24	56	30	35		6	45
BG05.022066		BG05.024066		66				48	55
BG05.022076		BG05.024076		76					65
BG05.022086		BG05.024086		86					75
BG05.022096		BG05.024096		96					85
BG05.030027		BG05.032027		27					14
BG05.030036		BG05.032036		36					23
BG05.030046		BG05.032046		46			-		33
BG05.030056		BG05.032056		56					43
BG05.030066	30	BG05.032066	32	66	42	47		6	53
BG05.030076		BG05.032076		76					63
BG05.030086		BG05.032086		86				64	73
BG05.030096		BG05.032096		96					83
BG05.030116		BG05.032116		116					103
BG05.040036		BG05.042036		36					18
BG05.040046		BG05.042046		46					28
BG05.040056		BG05.042056		56			-		38
BG05.040066		BG05.042066		66					48
BG05.040076		BG05.042076		76					58
BG05.040086		BG05.042086		86					68
BG05.040096		BG05.042096		96					78
BG05.040116	40	BG05.042116	42	116	54	60		10	98
BG05.040136		BG05.042136		136					118
BG05.040156		BG05.042156		156					138
BG05.040176		BG05.042176		176				84	158
BG05.040196		BG05.042196		196					178
BG05.040216		BG05.042216		216					198
BG05.040236		BG05.042236		236					218
BG05.040256		BG05.042256		256					238

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

BC06

Materiał / Material

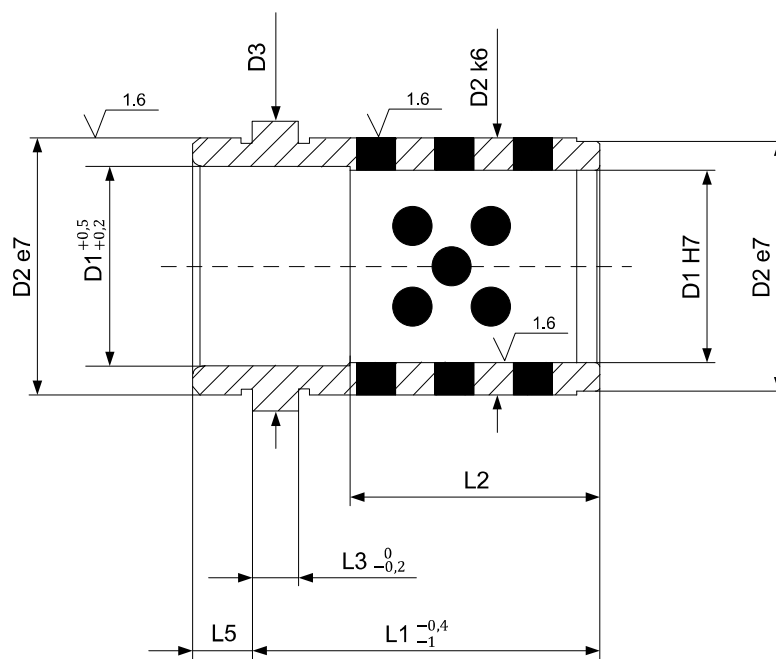
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BG06.020036

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	Symbol	D1	L1	D2	D3	L2	L3	L5
BG06.009012	9	BG06.010012	10	12	14	16	-	3	3
BG06.009017		BG06.010017		17					
BG06.009022		BG06.010022		22					
BG06.009027		BG06.010027		27					
BG06.009036		BG06.010036		36					
BG06.009046		BG06.010046		46					
BG06.009056		BG06.010056		56					
BG06.014017	14	BG06.015017	15	17	20	25	-	6	6
BG06.014022		BG06.015022		22					
BG06.014027		BG06.015027		27					
BG06.014036		BG06.015036		36					
BG06.014046		BG06.015046		46					
BG06.014056		BG06.015056		56					
BG06.014066	18	BG06.015066	20	66	26	31	30	6	8
BG06.014076		BG06.015076		76					
BG06.018017		BG06.020017		17					
BG06.018022		BG06.020022		22					
BG06.018027		BG06.020027		27					
BG06.018036		BG06.020036		36					
BG06.018046	18	BG06.020046	20	46	26	31	-	6	8
BG06.018056		BG06.020056		56					
BG06.018066		BG06.020066		66					
BG06.018076		BG06.020076		76					
BG06.018086		BG06.020086		86					
BG06.018096		BG06.020096		96					
BG06.022022	22	BG06.024022	24	22	30	35	-	6	8
BG06.022027		BG06.024027		27					
BG06.022036		BG06.024036		36					
BG06.022046		BG06.024046		46					
BG06.022056		BG06.024056		56					
BG06.022066		BG06.024066		66					
BG06.022076		BG06.024076		76					
BG06.022086		BG06.024086		86					
BG06.022096		BG06.024096		96					
BG06.022116		BG06.024116		116					

SYMBOL	D1	SYMBOL	D1	L1	D2	D3	L2	L3	L5
BG06.030027	30	BG06.032027	32	27	42	47	-	6	8
BG06.030036		BG06.032036		36					
BG06.030046		BG06.032046		46					
BG06.030056		BG06.032056		56					
BG06.030066		BG06.032066		66					
BG06.030076		BG06.032076		76					
BG06.030086	30	BG06.032086	32	86	42	47	64	6	8
BG06.030096		BG06.032096		96					
BG06.030116		BG06.032116		116					
BG06.030136		BG06.032136		136					
BG06.030156		BG06.032156		156					
BG06.040036	40	BG06.042036	42	36	54	60	-	10	10
BG06.040046		BG06.042046		46					
BG06.040056		BG06.042056		56					
BG06.040066		BG06.042066		66					
BG06.040076		BG06.042076		76					
BG06.040086		BG06.042086		86					
BG06.040096	40	BG06.042096	42	96	54	60	84	10	10
BG06.040116		BG06.042116		116					
BG06.040136		BG06.042136		136					
BG06.040156		BG06.042156		156					
BG06.040176		BG06.042176		176					
BG06.040196		BG06.042196		196					
BG06.050056	50	BG06.052056	52	56	66	71	-	10	10
BG06.050066		BG06.052066		66					
BG06.050076		BG06.052076		76					
BG06.050086		BG06.052086		86					
BG06.050096		BG06.052096		96					
BG06.050116		BG06.052116		116					
BG06.050136		BG06.052136		136					
BG06.050156		BG06.052156		156					
BG06.050176		BG06.052176		176					
BG06.050196		BG06.052196		196					
BG06.050216		BG06.052216		216					
BG06.050236		BG06.052236		236					

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

BC07

Materiał / Material

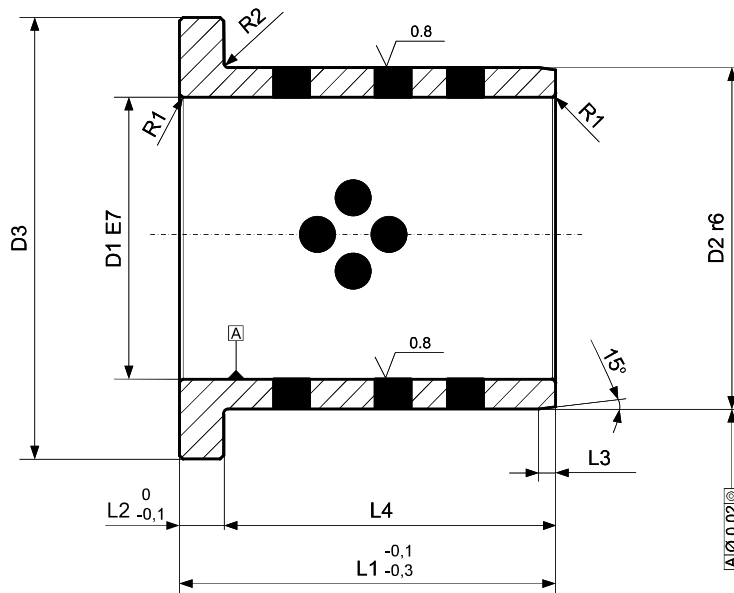
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BG07.040040**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D2	D3	L1	L2	L3	L4	R1	R2
BC07.010015	10	14	22	15	2	2	13	1	0,4
BC07.010020				20			18		
BC07.012015	12	18	25	15	3	2	12	1	0,4
BC07.012020				20			17		
BC07.013015	13	19	26	15	3	2	12	1	0,4
BC07.013020				20			17		
BC07.014015	14	20	27	15	3	2	12	1	0,4
BC07.014020				20			17		
BC07.015015	15	21	28	15	3	2	12	1	0,5
BC07.015020				20			17		
BC07.015025				25			22		
BC07.015030				30			27		
BC07.016015	16	22	29	15	3	2	12	1	0,5
BC07.016020				20			17		
BC07.016025				25			22		
BC07.016030				30			27		
BC07.020015	20	30	40	15	5	3	10	2	0,5
BC07.020020				20			15		
BC07.020025				25			20		
BC07.020030				30			25		
BC07.020040	25	35	45	40	5	3	35	2	0,5
BC07.025015				15			10		
BC07.025020				20			15		
BC07.025025				25			20		
BC07.025030	30	40	50	30	5	3	25	2	0,5
BC07.025040				40			35		
BC07.030020				20			15		
BC07.030025				25			20		
BC07.030030	31,5	40	50	30	5	3	25	2	0,6
BC07.030035				35			30		
BC07.030040				40			35		
BC07.030050				50			45		
BC07.031020	31,5	40	50	20	5	3	15	2	0,6
BC07.031035				35			30		

Symbol	D1	D2	D3	L1	L2	L3	L4	R1	R2
BC07.035020	35	45	60	20	5	3	15	2	0,6
BC07.035030				30			25		
BC07.035040				40			35		
BC07.035050	40	50	65	50	5	3	45	2	0,6
BC07.040020				20			15		
BC07.040030				30			25		
BC07.040040				40			35		
BC07.040050	45	55	70	50	5	3	45	2	0,6
BC07.045030				30			25		
BC07.045040				40			35		
BC07.045050				50			55		
BC07.050030	50	60	75	30	5	3	25	2	0,6
BC07.050040				40			35		
BC07.050050				50			45		
BC07.050060				60			55		
BC07.055040	55	65	80	40	5	3	35	2	0,7
BC07.055060				60			55		
BC07.060040				40			32,5		
BC07.060050	60	75	90	50	7,5	4	42,5	3	0,7
BC07.060080				80			72,5		
BC07.063067	63	75	85	67,5	7,5	4	60	3	0,7
BC07.070050	70	85	105	50	7,5	4	42,5	3	0,7
BC07.070080				80			72,5		
BC07.075060	75	90	110	60	7,5	4	52,5	3	0,7
BC07.080060				60			50		
BC07.080080	80	100	120	80	10	4	70	3	0,8
BC07.080100				100			90		
BC07.090060	90	110	130	60	10	4	50	3	0,8
BC07.090080				80			70		
BC07.100080	100	120	150	80	10	4	70	3	0,8
BC07.100100				100			90		
BC07.120080	120	140	170	80	10	4	70	3	0,8
BC07.120100				100			90		

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

BC08

Materiał / Material

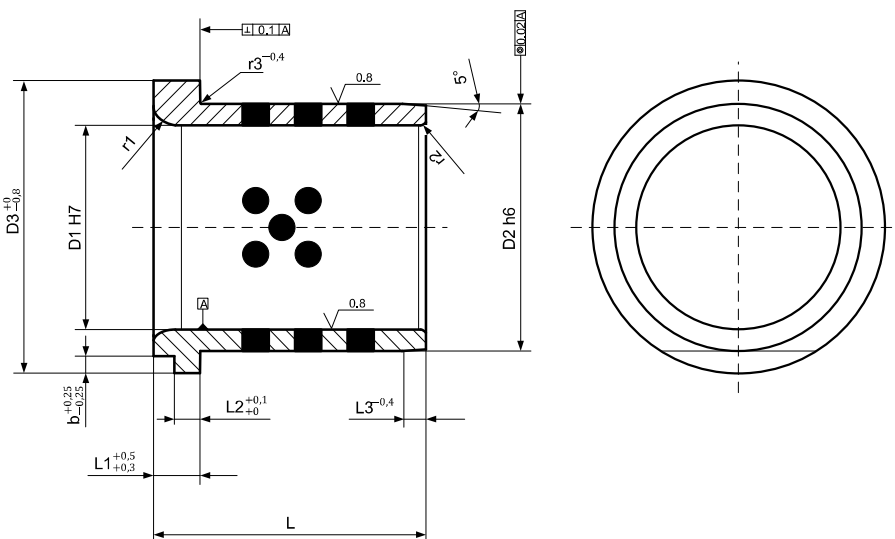
BRĄZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **BC08.025032**

Zaczepty str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L	D2	D3	L1	L2	L3	b	r1	r2	r3
BC08.016025	16	25	25	32	10	5	2	3	3	1	1
BC08.020032	20	32	25	32	10	5	3	3	3	1	1
BC08.025032	25	32	32	40	10	5	4	3,5	4	1	1
BC08.032050	32	50	40	50	10	5	6	4	5	1	1
BC08.040063	40	63	50	63	13	8	6	5	6	1	1
BC08.050072	50	72	63	75	14	8	8	6	6	1,6	1,6
BC08.063080	63	80	80	95	17	10	8	8	8	2	2
BC08.080100	80	100	100	120	20	10	8	10	8	2,5	2,5
BC08.100125	100	125	125	150	25	16	8	13	10	3,2	3,2
BC08.125160	125	160	160	190	30	16	10	13	13	4	4
BC08.140180	140	180	180	210	30	16	10	16	16	5	6
BC08.160200	160	200	200	240	30	16	12	18	18	6	8

Ø80 - Ø160 tuleje mają dwa ścieżnia zamiast jednego
Ø80 - Ø160 bushes have two flats instead of one

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

BC09

Materiał / Material

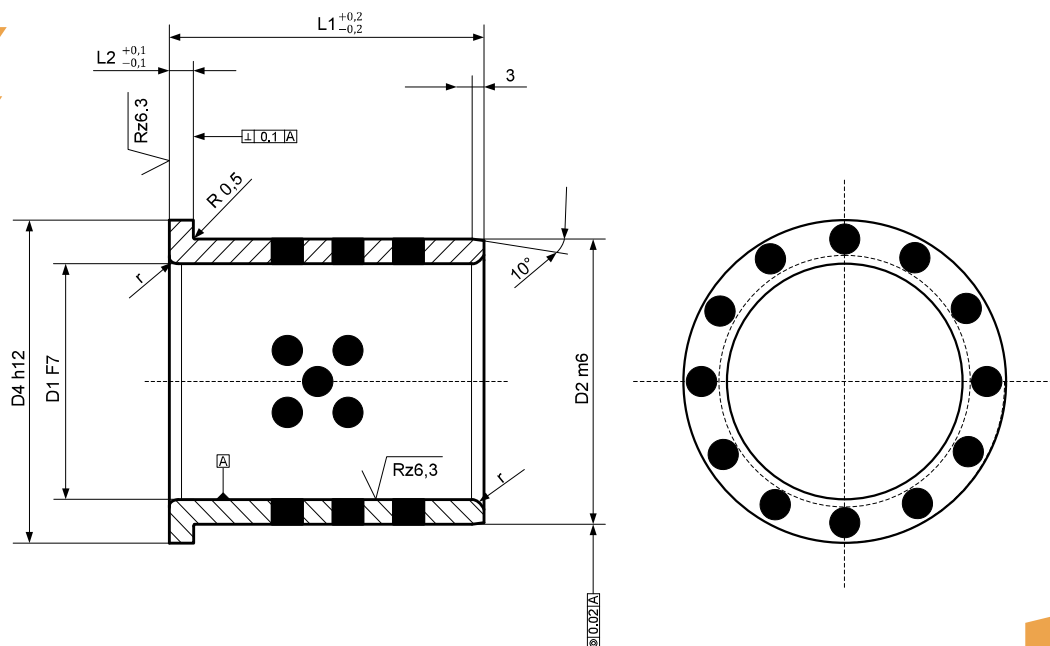
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BG09.050055

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D2	D4	L2	r
BC09.012015	12	15	18	25	4	1
BC09.016020	16	20	22	30	5	1
BC09.020025	20	25	28	36	5	1
BC09.025030	25	30	33	43	5	1
BC09.030035	30	35	38	48	5	1
BC09.040045	40	45	50	60	5	2
BC09.050050	50	50	60	68	5	2
BC09.050055	50	55	62	75	6	2
BC09.060060	60	60	75	83	7,5	3
BC09.060065	60	65	75	90	7	3

Elementy prowadzące do tłoczników

TULEJE PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BUSHES

BG10

Materiał / Material

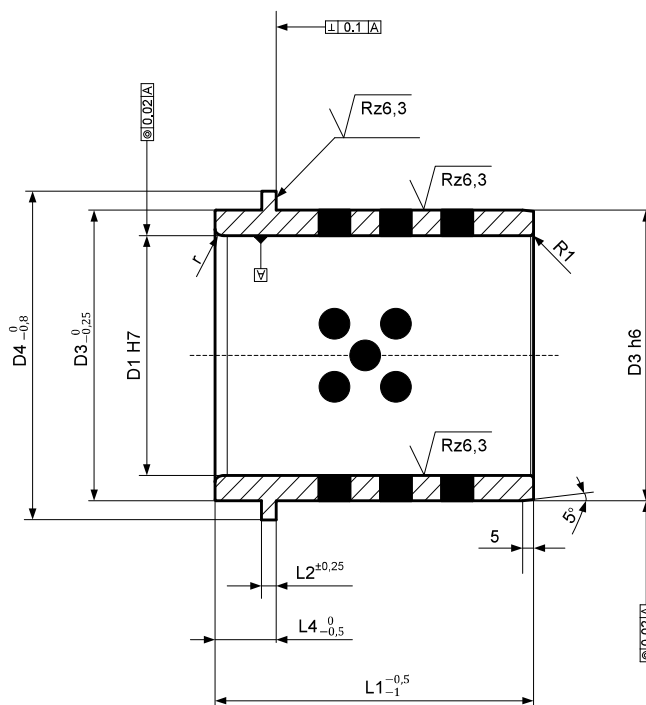
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: BG10.050072

Zaczepy str. H58
Retaining clamps page H58

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	L1	D3	D4	L4	L2	r
BG10.023040	23	40	32	40	6	3	5
BG10.025040	25	40	32	40	6	3	5
BG10.032050	32	50	40	50	10	5	5
BG10.040063	40	63	50	63	13	8	6
BG10.042063	42	63	50	63	13	8	6
BG10.050072	50	72	63	75	14	8	6
BG10.052072	52	72	63	75	14	8	6
BG10.063080	63	80	80	95	17	10	8
BG10.065080	65	80	80	95	16	10	8
BG10.080100	80	100	100	120	20	10	8
BG10.082100	82	100	100	120	20	10	8
BG10.100125	100	125	125	150	25	16	10
BG10.125160	125	160	160	190	30	16	13

Elementy prowadzące do tłoczników

PODKŁADKI SAMOSMARUJĄCE

SELF-LUBRICATING WASHERS

RG

Materiał / Material

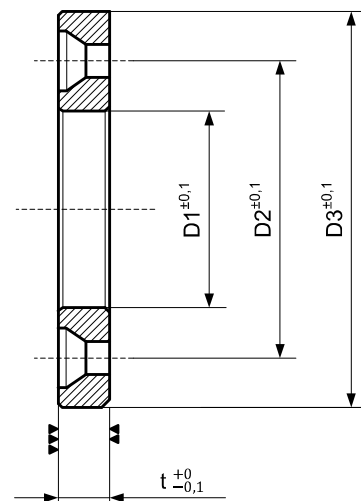
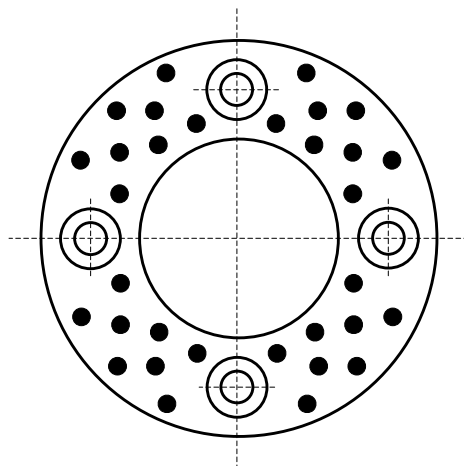
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: RG.0402.080

Sruby VS10 str. J146
Screws VS10 page J146

Inne wymiary na żądanie
Other dimensions on demand



Symbol	D1	D3	D2	t	Śruba Screw	Liczba otworów Nº of holes
RG.0102.030	10,2	30	-	3	-	-
RG.0122.040	12,2	40	-	3	-	-
RG.0132.040	13,2	40	28	3	M3	2
RG.0162.050	16,2	50	35	3	M3	2
RG.0182.050	18,2	50	35	3	M3	2
RG.0202.050	20,2	50	35	5	M5	2
RG.0252.055	25,2	55	40	5	M5	2
RG.0302.060	30,2	60	45	5	M5	2
RG.0352.070	35,2	70	50	5	M5	2
RG.0402.080	40,2	80	60	7	M6	2
RG.0453.090	45,3	90	67,5	7	M6	2
RG.0502.100	50,2	100	75	8	M6	4
RG.0553.110	55,3	110	85	8	M6	4
RG.0603.120	60,3	120	90	8	M8	4
RG.0703.130	70,3	130	100	10	M8	4
RG.0803.150	80,3	150	120	10	M8	4
RG.0905.170	90,5	170	140	10	M10	4
RG.1005.190	100,5	190	160	10	M10	4
RG.1205.200	120,5	200	175	10	M10	4

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG00

Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

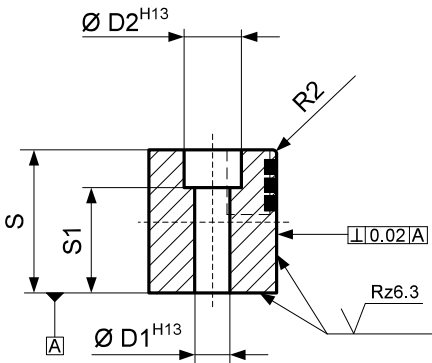
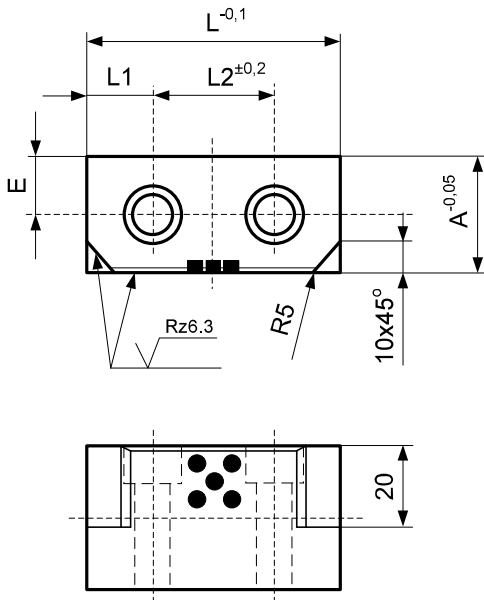
Symbol: PG00.025060

Śruby V8 / V12 str. J144

Screws V8 / V12 page J144

Inne wymiary na żądanie

Other dimensions on demand



Symbol	A	L	S	L1	L2	E	S1	Ø D1	Ø D2	Śruba Screw
PG00.025060	25	60	30	15	30	11	18	11	17,5	2xM10
PG00.032060	32	60	38	15	30	16	23	13	20	2xM12
PG00.032080	32	80	38	20	40	16	23	13	20	2xM12

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG01

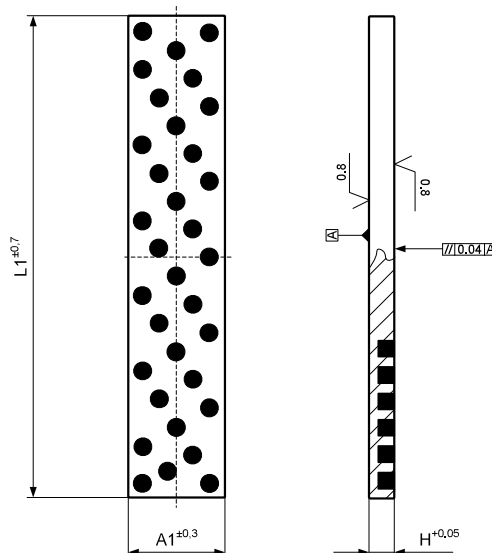
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **PG01.05010.0500**

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1
PG01.03008.0500	30	8	500
PG01.05010.0500	50	10	500
PG01.08012.0500	80	12	500

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG02

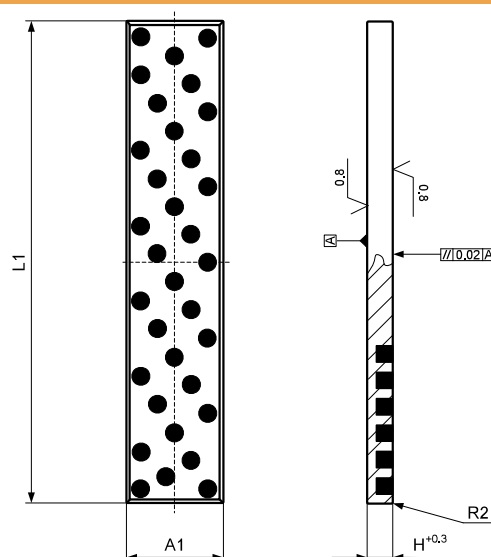
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: PG02.05020.0605

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1		
			305	605	1005
PG02.02004.0305	20	4	X		
PG02.02505.0305	25	5	X		
PG02.03004.0305	30	4	X		
PG02.03006.0305		6	X		
PG02.03006.0605		8		X	
PG02.03008.0305			X		
PG02.03008.0605		10		X	
PG02.03010.0305			X		
PG02.03010.0605				X	
PG02.03010.1005					X
PG02.03012.0305	35	12	X		
PG02.03012.0605				X	
PG02.03012.1005					X
PG02.03510.0305		10	X		
PG02.03510.0605				X	
PG02.03510.1005					X
PG02.04005.0305		5	X		
PG02.04005.0605				X	
PG02.04006.0305	40	6	X		
PG02.04006.0605		8		X	
PG02.04008.0305			X		
PG02.04008.0605				X	
PG02.04008.1005		10			X
PG02.04010.0305			X		
PG02.04010.0605				X	
PG02.04010.1005					X
PG02.04012.0605		12		X	
PG02.04012.1005					X
PG02.04016.0605		16		X	
PG02.04016.1005					X
PG02.05010.0305	50	10	X		
PG02.05010.0605				X	
PG02.05010.1005					X

Symbol	A1	H	L1		
			305	605	1005
PG02.05012.0605	50	12		X	
PG02.05012.1005					X
PG02.05020.0605		20		X	
PG02.05020.1005					X
PG02.06012.0605	60	12		X	
PG02.06012.1005					X
PG02.06016.0605		16		X	
PG02.06016.1005					X
PG02.08010.0305	80	10	X		
PG02.08010.0605				X	
PG02.08010.1005					X
PG02.08012.0605		12		X	
PG02.08012.1005					X
PG02.08016.0605		16		X	
PG02.08016.1005					X
PG02.08020.0605		20		X	
PG02.08020.1005					X
PG02.08025.0605		25		X	
PG02.08025.1005					X
PG02.10016.0605		100	16		X
PG02.10016.1005					X
PG02.10020.0605	20			X	
PG02.10020.1005					X
PG02.10025.0605	25		X		
PG02.10025.1005				X	
PG02.12520.0605	125	20		X	
PG02.12520.1005					X
PG02.12525.0605		25		X	
PG02.12525.1005				X	
PG02.16025.0605	160	25		X	
PG02.16025.1005					X

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG04

Materiał / Material

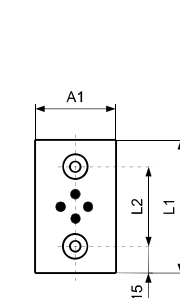
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

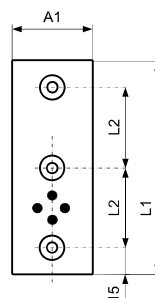
Symbol: PG04.075100

Śruby VS10 str. J146
Screws VS10 page J146

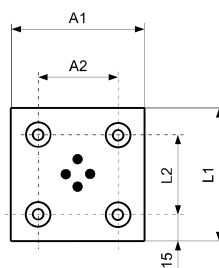
Inne wymiary na żądanie
Other dimensions on demand



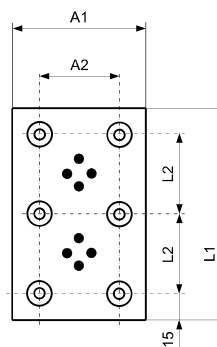
FORMA A
FORM A



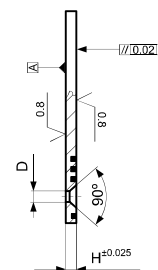
FORMA B
FORM B



FORMA C
FORM C



FORMA D
FORM D



Symbol	A1	H	A2	L1	L2	D	FORMA FORM
PG04.018050	18	5	-	50	20	6,5	A
PG04.018075		5	-	75	45	6,5	A
PG04.018100		5	-	100	70	6,5	A
PG04.018150		5	-	150	60	6,5	B
PG04.028050	28	5	-	50	20	9	A
PG04.028075		5	-	75	45	9	A
PG04.028100		5	-	100	70	9	A
PG04.028150		5	-	150	60	9	B
PG04.028180	38	5	-	180	75	9	B
PG04.038050		5	-	50	20	9	A
PG04.038075		5	-	75	45	9	A
PG04.038100		5	-	100	70	9	A
PG04.038150	48	5	-	150	60	9	B
PG04.048075		5	-	75	45	9	A
PG04.048100		5	-	100	70	9	A
PG04.048125		5	-	125	95	9	A
PG04.048150	75	5	-	150	60	9	B
PG04.075075		5	45	75	45	9	C
PG04.075100		5	45	100	70	9	C
PG04.075125		5	45	125	95	9	C
PG04.075150		5	45	150	60	9	D
PG04.100100	100	5	70	100	70	9	C
PG04.100125		5	70	125	95	9	C
PG04.100150		5	70	150	60	9	D

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE *SELF-LUBRICATING WEAR PLATES*

PG05

Materiał / Material

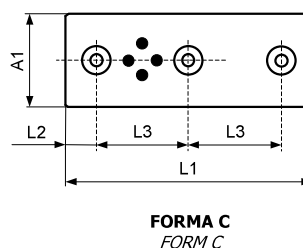
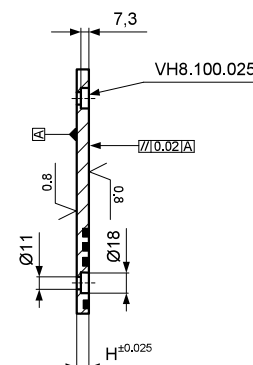
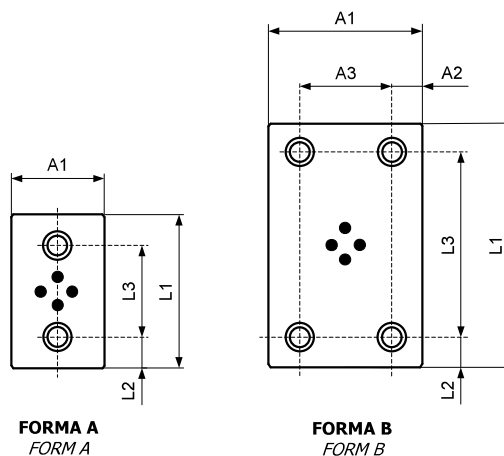
BRAZ + GRAFIT
 BRONZE + GRAPHITE
 HB > 190

Jak zamówić / How to order

Symbol: PG05.075100

Śruby VH8 / VH12 str. J145
 Screws VH8 / VH12 page J145

Inne wymiary na żądanie
 Other dimensions on demand



Symbol	A1	A2	A3	L1	L2	L3	H	FORMA FORM
PG05.028075	28	-	-	75	15	45	10	A
PG05.028100		-	-	100	25	50	10	A
PG05.028125		-	-	125	25	75	10	A
PG05.028150		-	-	150	25	100	10	A
PG05.038075	38	-	-	75	15	45	10	A
PG05.038100		-	-	100	25	50	10	A
PG05.038125		-	-	125	25	75	10	A
PG05.038150		-	-	150	25	100	10	A
PG05.048075	48	-	-	75	15	45	10	A
PG05.048100		-	-	100	25	50	10	A
PG05.048125		-	-	125	25	75	10	A
PG05.048150		-	-	150	25	100	10	A
PG05.048200	58	-	-	200	50	100	10	A
PG05.048200.1		-	-	200	25	150	10	A
PG05.058075		-	-	75	15	45	10	A
PG05.058100		-	-	100	25	50	10	A
PG05.058125	75	-	-	125	25	75	10	A
PG05.058150		-	-	150	25	100	10	A
PG05.058200		-	-	200	50	100	10	A
PG05.075075		-	-	75	15	45	10	A
PG05.075100	100	-	-	100	25	50	10	A
PG05.075125		-	-	125	25	75	10	A
PG05.075150		-	-	150	25	100	10	A
PG05.075200		-	-	200	25	75	10	C
PG05.075200.1	125	-	-	200	25	150	10	A
PG05.100100		25	50	100	25	50	10	B
PG05.100125		25	50	125	25	75	10	B
PG05.100150		25	50	150	25	100	10	B
PG05.100200	150	25	50	200	25	150	10	B
PG05.100250		25	50	250	25	200	10	B
PG05.125150		37.5	50	150	25	100	10	B
PG05.125200		37.5	50	200	25	150	10	B
PG05.125250	150	37.5	50	250	25	200	10	B
PG05.150150		25	100	150	25	100	10	B
PG05.150200		25	100	200	25	150	10	B

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

VDI 3357

PG06

Materiał / Material

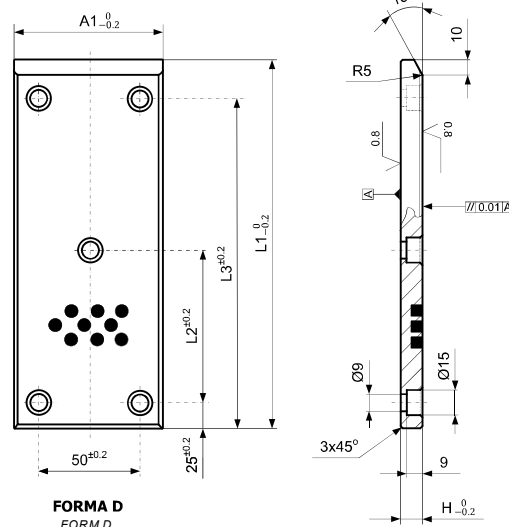
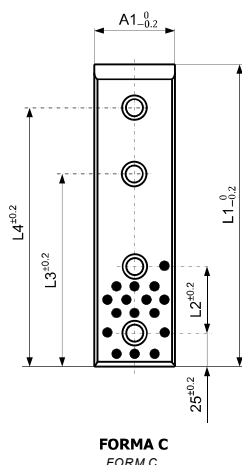
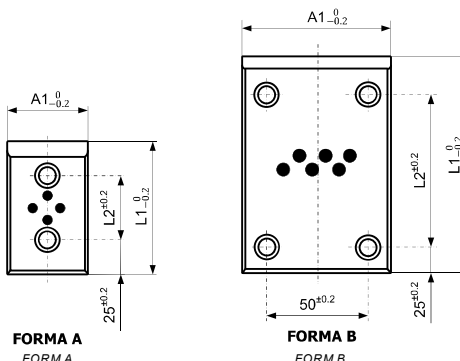
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **PG06.060125**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4	FORMA FORM
PG06.030080	30	12	80	30	-	-	A
PG06.030100		12	100	50	-	-	A
PG06.030125		12	125	75	-	-	A
PG06.030160		12	160	110	-	-	A
PG06.030200		12	200	150	-	-	A
PG06.040080	40	12	80	30	-	-	A
PG06.040100		12	100	50	-	-	A
PG06.040125		12	125	75	-	-	A
PG06.040160		12	160	110	-	-	A
PG06.040200		12	200	150	-	-	A
PG06.050080	50	12	80	30	-	-	A
PG06.050100		12	100	50	-	-	A
PG06.050125		12	125	75	-	-	A
PG06.050160		12	160	110	-	-	A
PG06.050200		12	200	150	-	-	A
PG06.050250		12	250	60	165	225	C
PG06.050300		12	300	80	195	275	C

Symbol	A1	H	L1	L2	L3	L4	FORMA FORM
PG06.050350	50	12	350	100	225	325	C
PG06.050400		12	400	120	255	375	C
PG06.060080	60	12	80	30	-	-	A
PG06.060100		12	100	50	-	-	A
PG06.060125		12	125	75	-	-	A
PG06.060160		12	160	110	-	-	A
PG06.060200	80	12	200	150	-	-	A
PG06.080080		12	80	30	-	-	A
PG06.080100		12	100	50	-	-	A
PG06.080125		12	125	75	-	-	A
PG06.080160	100	12	160	110	-	-	A
PG06.080200		12	200	150	-	-	A
PG06.100125		12	125	75	-	-	B
PG06.100160		12	160	110	-	-	B
PG06.100200	100	12	200	150	-	-	B
PG06.100250		12	250	200	-	-	B
PG06.100300		12	300	125	275	-	D

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE

STEEL WEAR PLATES

VDI 3357

PG07

Materiał / Material

16MnCr5

Twardość / Hardness

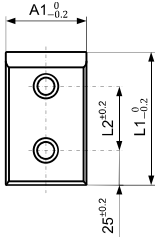
58 ÷ 60 HRC

Jak zamówić / How to order

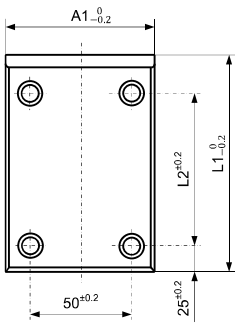
Symbol: PG07.060100

Śruby V8 / V12 str. J144
 Screws V8 / V12 page J144

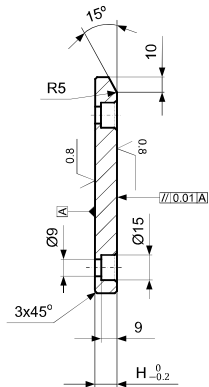
Inne wymiary na żądanie
 Other dimensions on demand



FORMA A
 FORM A



FORMA B
 FORM B



Symbol	A1	H	L1	L2	FORMA FORM
PG07.030080	30	12	80	30	A
PG07.030100		12	100	50	A
PG07.030125		12	125	75	A
PG07.030160		12	160	110	A
PG07.030200	40	12	200	150	A
PG07.040080		12	80	30	A
PG07.040100		12	100	50	A
PG07.040125		12	125	75	A
PG07.040160	50	12	160	110	A
PG07.040200		12	200	150	A
PG07.050080		12	80	30	A
PG07.050100		12	100	50	A
PG07.050125		12	125	75	A
PG07.050160		12	160	110	A
PG07.050180		12	180	130	A
PG07.050200		12	200	150	A

Symbol	A1	H	L1	L2	FORMA FORM
PG07.060080	60	12	80	30	A
PG07.060100		12	100	50	A
PG07.060125		12	125	75	A
PG07.060160		12	160	110	A
PG07.060180	80	12	180	130	A
PG07.060200		12	200	150	A
PG07.080080		12	80	30	A
PG07.080100		12	100	50	A
PG07.080125	100	12	125	75	A
PG07.080160		12	160	110	A
PG07.080200		12	200	150	A
PG07.100125		12	125	75	B
PG07.100160		12	160	110	B
PG07.100200		12	200	150	B
PG07.100225		12	225	175	B
PG07.100250		12	250	200	B

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG08

Materiał / Material

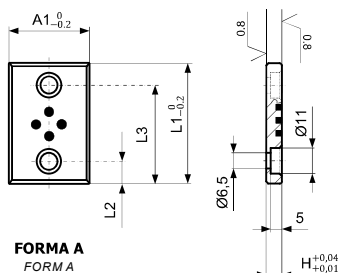
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

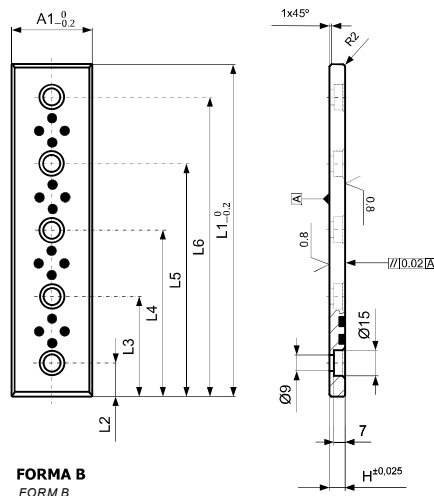
Symbol: **PG08.050250**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

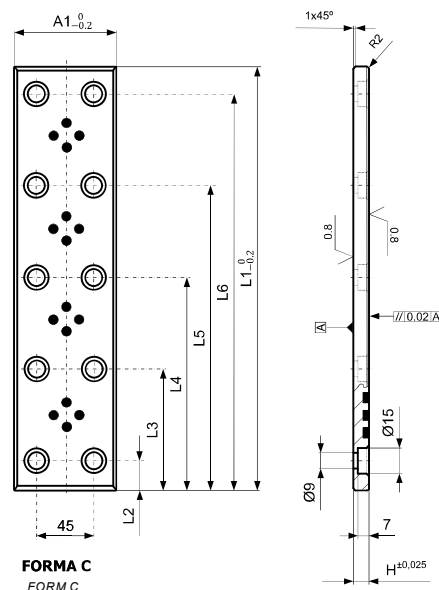
Inne wymiary na życzenie
Other dimensions on demand



FORMA A
FORM A



FORMA B
FORM B



FORMA C
FORM C

Symbol	A1	H	L1	L2	L3	L4	L5	L6	FORMA FORM
PG08.018075	18	10	75	15	60	-	-	-	A
PG08.018100		10	100	25	75	-	-	-	A
PG08.018125		10	125	25	100	-	-	-	A
PG08.018150		10	150	25	125	-	-	-	A
PG08.028075	28	10	75	15	60	-	-	-	A
PG08.028100		10	100	25	75	-	-	-	A
PG08.028125		10	125	25	100	-	-	-	A
PG08.028150		10	150	25	125	-	-	-	A
PG08.035100	35	10	100	20	80	-	-	-	A
PG08.035100.1		10	100	20	80	-	-	-	B
PG08.035150		10	150	20	75	130	-	-	B
PG08.035200		10	200	20	75	125	180	-	B
PG08.035250		10	250	20	90	160	230	-	B
PG08.035300		10	300	20	85	150	215	280	B
PG08.035350		10	350	20	100	175	250	330	B
PG08.038075		10	75	15	60	-	-	-	A
PG08.038100	38	10	100	25	75	-	-	-	A
PG08.038125		10	125	25	100	-	-	-	A
PG08.038150		10	150	25	125	-	-	-	A

Symbol	A1	H	L1	L2	L3	L4	L5	L6	FORMA FORM
PG08.048075	48	10	75	15	60	-	-	-	A
PG08.048100		10	100	25	75	-	-	-	A
PG08.048125		10	125	25	100	-	-	-	A
PG08.048150		10	150	25	125	-	-	-	A
PG08.050100	50	10	100	20	80	-	-	-	B
PG08.050150		10	150	20	75	130	-	-	B
PG08.050200		10	200	20	75	125	180	-	B
PG08.050250		10	250	20	90	160	230	-	B
PG08.050300		10	300	20	85	150	215	280	B
PG08.050350	75	10	350	20	100	175	250	330	B
PG08.050400		10	400	20	110	200	290	380	B
PG08.075150		10	150	20	130	-	-	-	C
PG08.075200		10	200	20	100	180	-	-	C
PG08.075250		10	250	20	125	230	-	-	C
PG08.075300		10	300	20	105	195	280	-	C
PG08.075400		10	400	20	140	260	380	-	C
PG08.075500		10	500	20	135	250	365	480	C

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG10

Materiał / Material

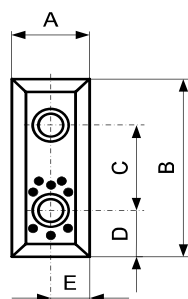
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

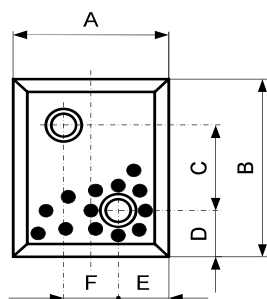
Symbol: PG10.075100

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

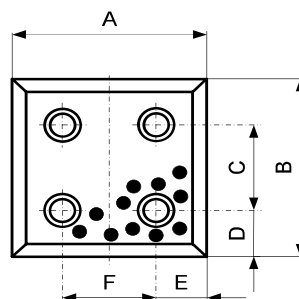
Inne wymiary na żądanie
Other dimensions on demand



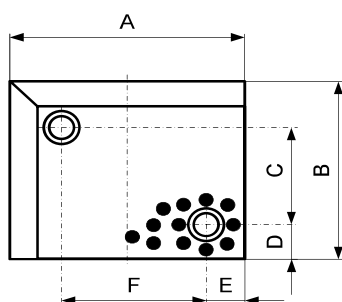
FORMA A
FORM A



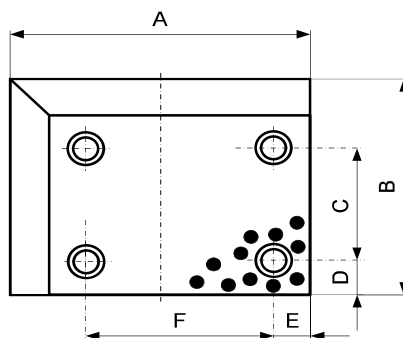
FORMA B
FORM B



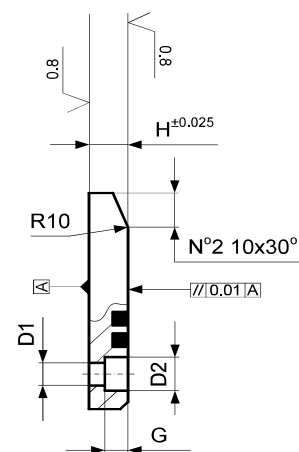
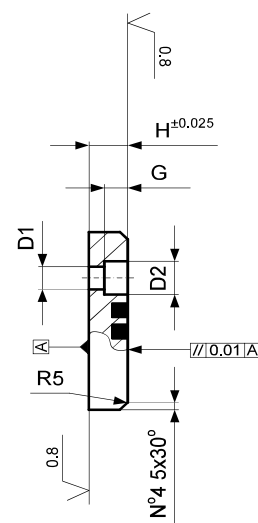
FORMA C
FORM C



FORMA D
FORM D



FORMA E
FORM E



PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG10

Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: PG10.075100

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A	H	B	C	D	D1	D2	E	F	G	FORMA FORM
PG10.028075	28	20	75	45	15	11	18	14	-	12	A
PG10.028100		20	100	50	25	11	18	14	-	12	A
PG10.028125		20	125	75	25	11	18	14	-	12	A
PG10.028150		20	150	100	25	11	18	14	-	12	A
PG10.038075	38	20	75	45	15	11	18	19	-	12	A
PG10.038100		20	100	50	25	11	18	19	-	12	A
PG10.038125		20	125	75	25	11	18	19	-	12	A
PG10.038150		20	150	100	25	11	18	19	-	12	A
PG10.038200	48	20	200	150	25	11	18	19	-	12	A
PG10.048075		20	75	45	15	11	18	24	-	12	A
PG10.048100		20	100	50	25	11	18	24	-	12	A
PG10.048125		20	125	75	25	11	18	24	-	12	A
PG10.048150	58	20	150	100	25	11	18	24	-	12	A
PG10.048200		20	200	150	25	11	18	24	-	12	A
PG10.058075		20	75	45	15	11	18	29	-	12	A
PG10.058100		20	100	50	25	11	18	29	-	12	A
PG10.058150	75	20	150	100	25	11	18	29	-	12	A
PG10.075075		20	75	25	25	11	18	25	25	12	B
PG10.075100		20	100	50	25	11	18	25	25	12	B
PG10.075125		20	125	75	25	11	18	37,5	-	12	A
PG10.075150	100	20	150	100	25	11	18	37,5	-	12	A
PG10.075200		20	200	150	25	11	18	37,5	-	12	A
PG10.100075		18	75	35	15	11	18	15	60	12	D
PG10.100100	125	20	100	50	25	11	18	25	50	12	C
PG10.100125		20	125	75	25	11	18	25	50	12	C
PG10.100150		20	150	100	25	11	18	25	50	12	C
PG10.100200		20	200	150	25	11	18	25	50	12	C
PG10.100250	150	20	250	200	25	11	18	25	50	12	C
PG10.100300		20	300	250	25	11	18	25	50	12	C
PG10.125100		25	100	48	20	13	20	20	73	14	E
PG10.125125	200	20	125	75	25	11	18	37,5	50	12	C
PG10.125150		20	150	100	25	11	18	37,5	50	12	C
PG10.125200		20	200	150	25	11	18	37,5	50	12	C
PG10.125250		20	250	200	25	11	18	37,5	50	12	C
PG10.125300	150	20	300	250	25	11	18	37,5	50	12	C
PG10.125350		20	350	300	25	11	18	37,5	50	12	C
PG10.150125		25	125	68	25	13	20	25	93	14	E
PG10.150150	200	20	150	100	25	11	18	25	100	12	C
PG10.150200		20	200	150	25	11	18	25	100	12	C
PG10.150250		20	250	200	25	11	18	25	100	12	C
PG10.150300		20	300	250	25	11	18	25	100	12	C
PG10.200200	200	20	200	150	25	11	18	25	150	12	C
PG10.200250		20	250	200	25	11	18	25	150	12	C
PG10.200300		20	300	250	25	11	18	25	150	12	C

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE

STEEL WEAR PLATES

PG11

Materiał / Material

16MnCr5

Twardość / Hardness

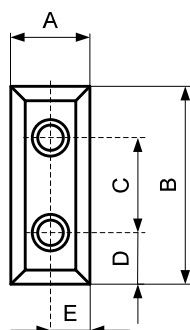
58 ÷ 60 HRC

Jak zamówić / How to order

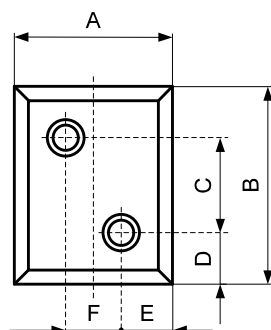
Symbol: PG11.075100

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

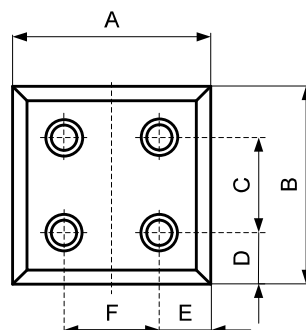
Inne wymiary na żądanie
Other dimensions on demand



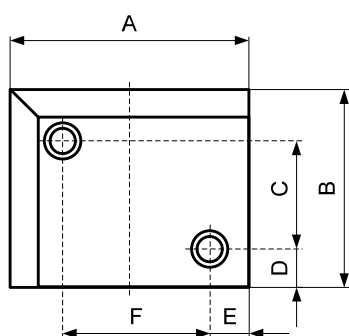
FORMA A
FORM A



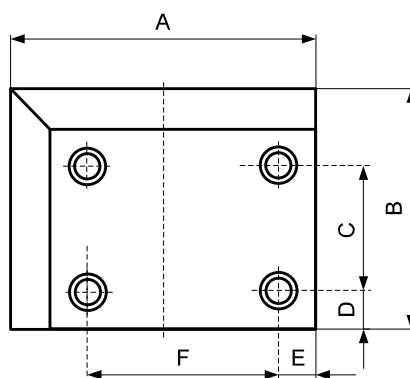
FORMA B
FORM B



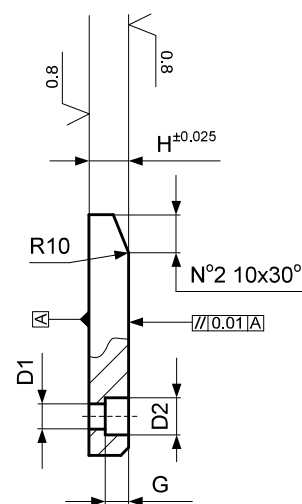
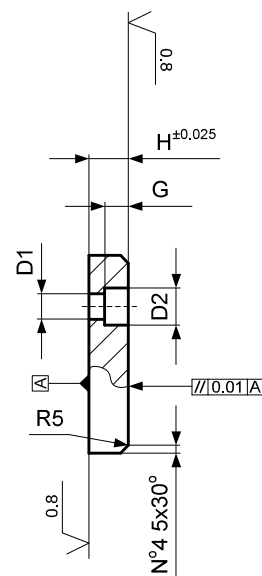
FORMA C
FORM C



FORMA D
FORM D



FORMA E
FORM E



PŁYTKI PROWADZĄCE STALOWE

STEEL WEAR PLATES

PG11

Materiał / Material

16MnCr5

Twardość / Hardness

58 ÷ 60 HRC

Jak zamówić / How to order

Symbol: PG11.075100

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A	H	B	C	D	D1	D2	E	F	G	FORMA FORM
PG11.028075	28	20	75	45	15	11	18	14	-	12	A
PG11.028100		20	100	50	25	11	18	14	-	12	A
PG11.028125		20	125	75	25	11	18	14	-	12	A
PG11.028150		20	150	100	25	11	18	14	-	12	A
PG11.038075	38	20	75	45	15	11	18	19	-	12	A
PG11.038100		20	100	50	25	11	18	19	-	12	A
PG11.038125		20	125	75	25	11	18	19	-	12	A
PG11.038150		20	150	100	25	11	18	19	-	12	A
PG11.038200	48	20	200	150	25	11	18	19	-	12	A
PG11.048075		20	75	45	15	11	18	24	-	12	A
PG11.048100		20	100	50	25	11	18	24	-	12	A
PG11.048125		20	125	75	25	11	18	24	-	12	A
PG11.048150	58	20	150	100	25	11	18	24	-	12	A
PG11.048200		20	200	150	25	11	18	24	-	12	A
PG11.058075		20	75	45	15	11	18	29	-	12	A
PG11.058100		20	100	50	25	11	18	29	-	12	A
PG11.058150	75	20	150	100	25	11	18	29	-	12	A
PG11.075075		20	75	25	25	11	18	25	25	12	B
PG11.075100		20	100	50	25	11	18	25	25	12	B
PG11.075125		20	125	75	25	11	18	37,5	-	12	A
PG11.075150	100	20	150	100	25	11	18	37,5	-	12	A
PG11.075200		20	200	150	25	11	18	37,5	-	12	A
PG11.100075		18	75	35	15	11	18	15	60	12	D
PG11.100100		20	100	50	25	11	18	25	50	12	C
PG11.100125	125	20	125	75	25	11	18	25	50	12	C
PG11.100150		20	150	100	25	11	18	25	50	12	C
PG11.100200		20	200	150	25	11	18	25	50	12	C
PG11.100250		20	250	200	25	11	18	25	50	12	C
PG11.100300	150	20	300	250	25	11	18	25	50	12	C
PG11.125100		25	100	48	20	13	20	20	73	14	E
PG11.125125		20	125	75	25	11	18	37,5	50	12	C
PG11.125150		20	150	100	25	11	18	37,5	50	12	C
PG11.125200	200	20	200	150	25	11	18	37,5	50	12	C
PG11.125250		20	250	200	25	11	18	37,5	50	12	C
PG11.125300		20	300	250	25	11	18	37,5	50	12	C
PG11.125350		20	350	300	25	11	18	37,5	50	12	C
PG11.150125	150	25	125	68	25	13	20	25	93	14	E
PG11.150150		20	150	100	25	11	18	25	100	12	C
PG11.150200		20	200	150	25	11	18	25	100	12	C
PG11.150250		20	250	200	25	11	18	25	100	12	C
PG11.150300	200	20	300	250	25	11	18	25	100	12	C
PG11.200200		20	200	150	25	11	18	25	150	12	C
PG11.200250		20	250	200	25	11	18	25	150	12	C
PG11.200300		20	300	250	25	11	18	25	150	12	C

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

VDI 3357

PG12

Materiał / Material

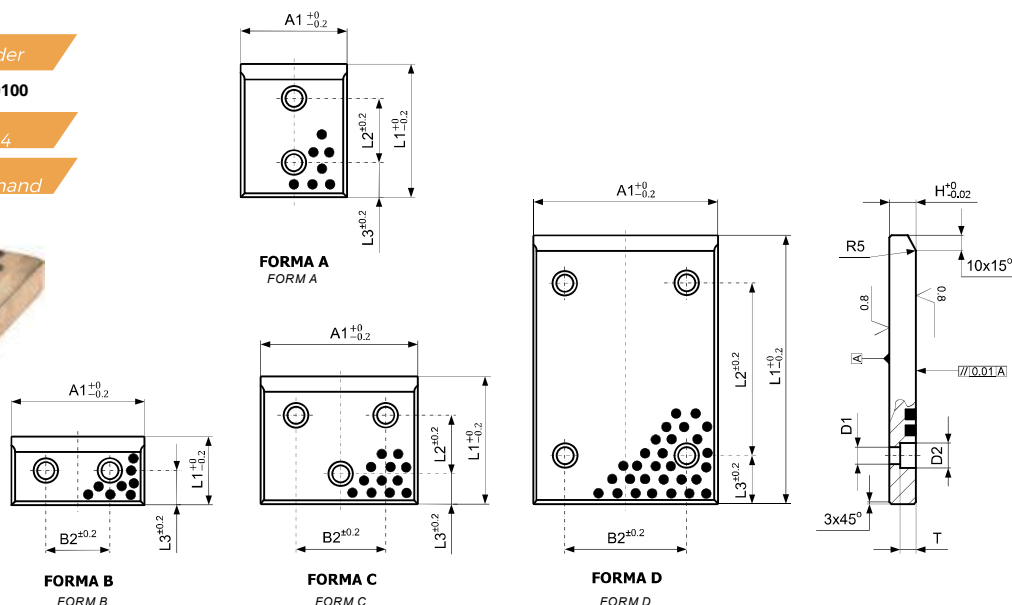
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **PG12.080100**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na życzenie
Other dimensions on demand



Symbol	A1	H	L1	B2	L2	L3	D1	D2	T	FORMA FORM
PG12.050080	50	20	80	-	30	25	9	15	9	A
PG12.050100		20	100	-	50	25	13,5	20	13	A
PG12.050125		20	125	-	75	25	13,5	20	13	A
PG12.050160		20	160	-	110	25	13,5	20	13	A
PG12.050200		20	200	-	150	25	13,5	20	13	A
PG12.080050	80	20	50	30	-	25	9	15	9	B
PG12.080080		20	80	-	30	25	13,5	20	13	A
PG12.080100		20	100	-	50	25	13,5	20	13	A
PG12.080125		20	125	-	75	25	13,5	20	13	A
PG12.080160		20	160	-	110	25	13,5	20	13	A
PG12.080200		20	200	-	150	25	13,5	20	13	A
PG12.080250	100	20	250	-	170	40	13,5	20	13	A
PG12.100050		20	50	50	-	25	13,5	20	13	B
PG12.100080		20	80	50	-	40	13,5	20	13	B
PG12.100100		20	100	-	50	25	13,5	20	13	A
PG12.100125		20	125	-	75	25	13,5	20	13	A
PG12.100160		20	160	-	110	25	13,5	20	13	A
PG12.100200		20	200	-	150	25	13,5	20	13	A
PG12.100250		20	250	-	170	40	13,5	20	13	A
PG12.100315	125	20	315	-	235	40	13,5	20	13	A
PG12.125050		20	50	75	-	25	13,5	20	13	B
PG12.125080		20	80	75	-	40	13,5	20	13	B
PG12.125100		20	100	75	50	25	13,5	20	13	C
PG12.125125		20	125	75	75	25	13,5	20	13	C
PG12.125160		20	160	75	110	25	13,5	20	13	C
PG12.125200		20	200	75	150	25	13,5	20	13	C
PG12.125250		20	250	75	170	40	13,5	20	13	C
PG12.125315		20	315	75	235	40	13,5	20	13	C
PG12.160050	160	20	50	110	-	25	13,5	20	13	B
PG12.160080		20	80	110	-	40	13,5	20	13	B
PG12.160100		20	100	110	50	25	13,5	20	13	C
PG12.160125		20	125	110	75	25	13,5	20	13	C
PG12.160160		20	160	110	110	25	13,5	20	13	C
PG12.160200		20	200	110	150	25	13,5	20	13	C
PG12.160250		20	250	110	170	40	13,5	20	13	D
PG12.160315		20	315	110	235	40	13,5	20	13	D

PŁYTKI PROWADZĄCE STALOWE

STEEL WEAR PLATES

VDI 3357

PG13

Materiał / Material

16 MnCr5

Twardość / Hardness

58 + 60 HRC

Jak zamówić / How to order

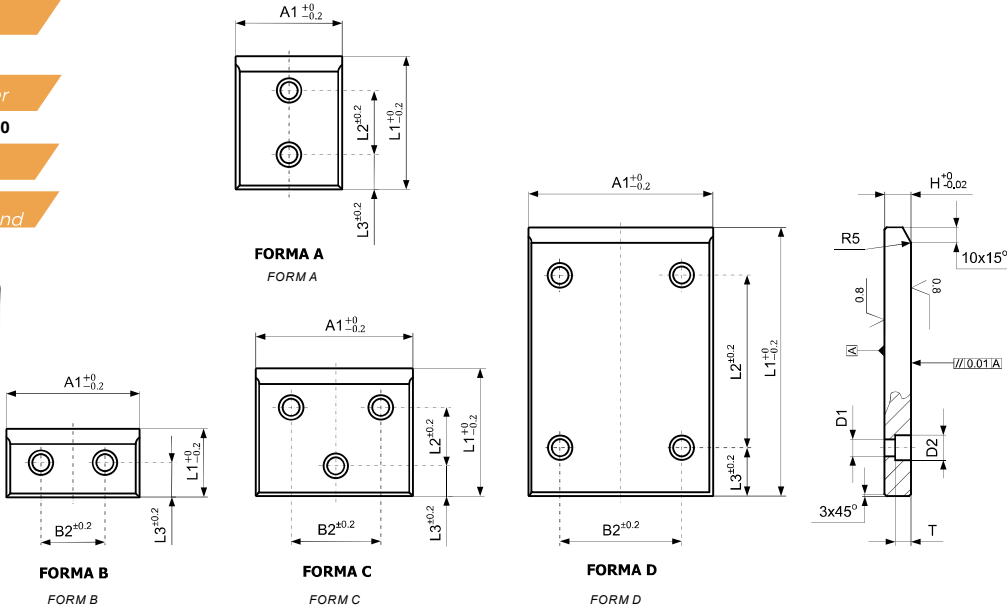
Symbol: PG13.125080

Sruby V8 / V12 str. J144

Screws V8 / V12 page J144

Inne wymiary na życzenie

Other dimensions on demand



Symbol	A1	H	L1	B2	L2	L3	D1	D2	T	FORMA FORM
PG13.050080	50	20	80	-	30	25	9	15	9	A
PG13.050100		20	100	-	50	25	13.5	20	13	A
PG13.050125		20	125	-	75	25	13.5	20	13	A
PG13.050160		20	160	-	110	25	13.5	20	13	A
PG13.050200		20	200	-	150	25	13.5	20	13	A
PG13.080050	80	20	50	30	-	25	9	15	9	B
PG13.080080		20	80	-	30	25	13.5	20	13	A
PG13.080100		20	100	-	50	25	13.5	20	13	A
PG13.080125		20	125	-	75	25	13.5	20	13	A
PG13.080160		20	160	-	110	25	13.5	20	13	A
PG13.080200		20	200	-	150	25	13.5	20	13	A
PG13.080250		20	250	-	170	40	13.5	20	13	A
PG13.100050	100	20	50	50	-	25	13.5	20	13	B
PG13.100080		20	80	50	-	40	13.5	20	13	B
PG13.100100		20	100	-	50	25	13.5	20	13	A
PG13.100125		20	125	-	75	25	13.5	20	13	A
PG13.100160		20	160	-	110	25	13.5	20	13	A
PG13.100200		20	200	-	150	25	13.5	20	13	A
PG13.100250		20	250	-	170	40	13.5	20	13	A
PG13.100315		20	315	-	235	40	13.5	20	13	A
PG13.125050	125	20	50	75	-	25	13.5	20	13	B
PG13.125080		20	80	75	-	40	13.5	20	13	B
PG13.125100		20	100	75	50	25	13.5	20	13	C
PG13.125125		20	125	75	75	25	13.5	20	13	C
PG13.125160		20	160	75	110	25	13.5	20	13	C
PG13.125200		20	200	75	150	25	13.5	20	13	C
PG13.125250		20	250	75	170	40	13.5	20	13	C
PG13.125315		20	315	75	235	40	13.5	20	13	C
PG13.160050	160	20	50	110	-	25	13.5	20	13	B
PG13.160080		20	80	110	-	40	13.5	20	13	B
PG13.160100		20	100	110	50	25	13.5	20	13	C
PG13.160125		20	125	110	75	25	13.5	20	13	C
PG13.160160		20	160	110	110	25	13.5	20	13	C
PG13.160200		20	200	110	150	25	13.5	20	13	C
PG13.160250		20	250	110	170	40	13.5	20	13	D
PG13.160315		20	315	110	235	40	13.5	20	13	D

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

AFNOR

PG14

Materiał / Material

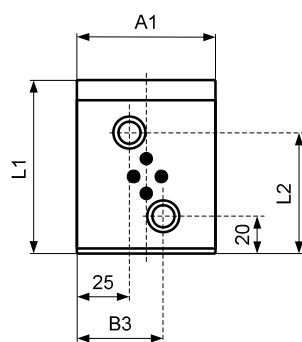
BRAŻ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

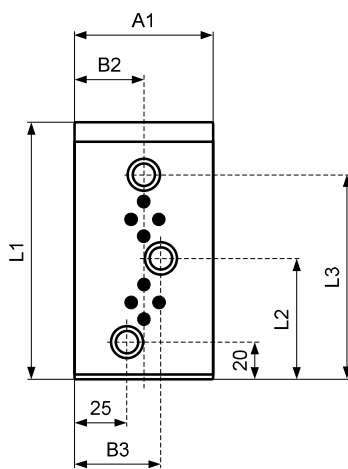
Symbol: PG14.150150

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

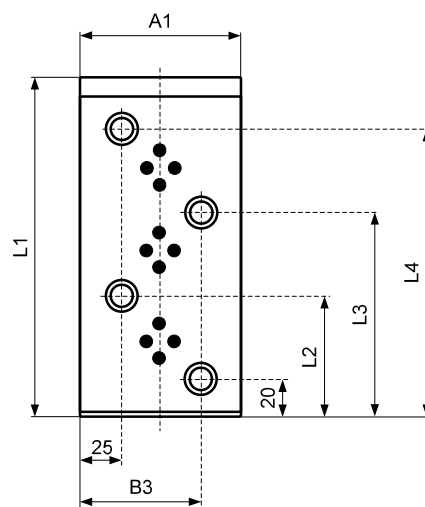
Inne wymiary na życzenie
Other dimensions on demand



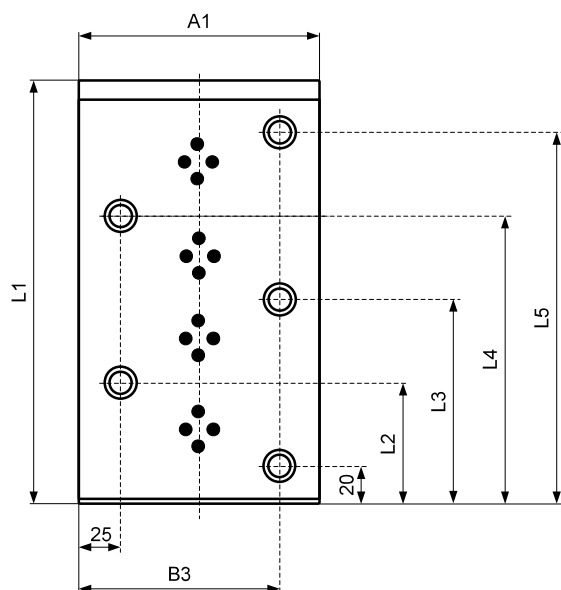
FORMA A
FORM A



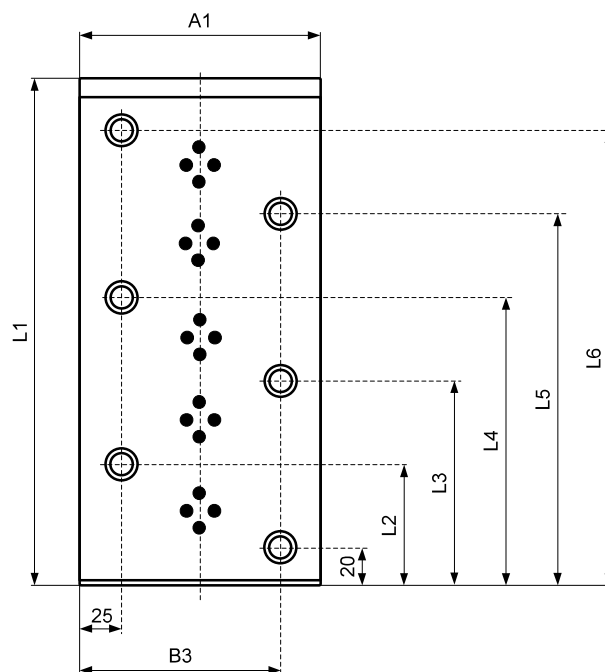
FORMA B
FORM B



FORMA C
FORM C



FORMA E
FORM E



FORMA F
FORM F

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE SELF-LUBRICATING WEAR PLATES AFNOR

PG14

Materiał / Material

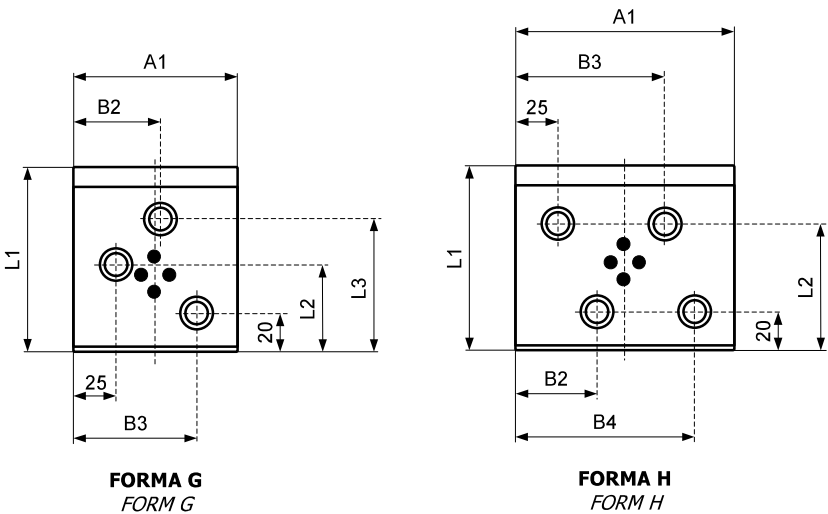
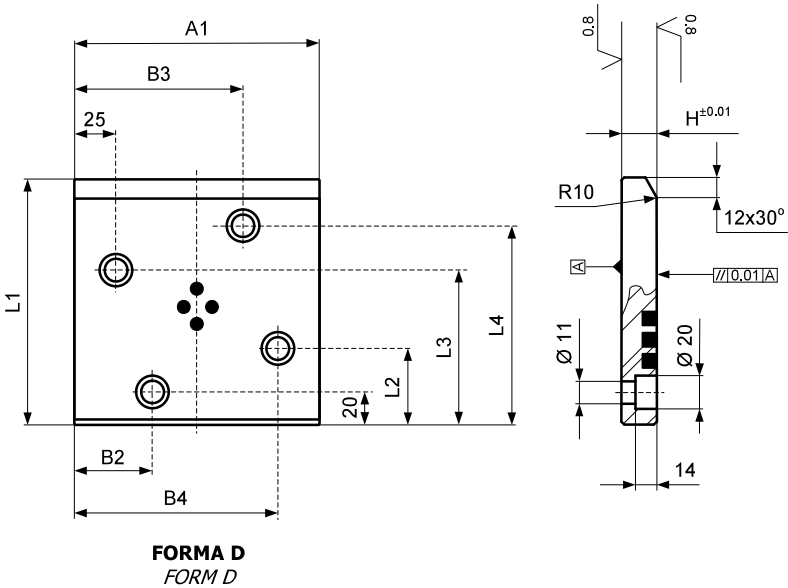
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: PG14.150150

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	B2	B3	B4	L2	L3	L4	L5	L6	FORMA FORM
PG14.070100	70	20	100	-	45	-	70	-	-	-	-	A
PG14.070150		20	150	35	45	-	70	120	-	-	-	B
PG14.070200		20	200	-	45	-	70	120	170	-	-	C
PG14.100100	100	20	100	55	75	-	45	70	-	-	-	G
PG14.100150		20	150	-	75	-	45	95	120	-	-	D
PG14.100200		20	200	-	75	-	70	120	170	-	-	C
PG14.100250		20	250	-	75	-	70	120	170	220	-	E
PG14.100300		20	300	-	75	-	70	120	170	220	270	F
PG14.150100	150	20	100	50	100	125	70	-	-	-	-	H
PG14.150150		20	150	50	100	125	45	95	120	-	-	D
PG14.150200		20	200	-	125	-	70	120	170	-	-	C
PG14.150250		20	250	-	125	-	70	120	170	220	-	E
PG14.150300		20	300	-	125	-	70	120	170	220	270	F
PG14.200100	200	20	100	75	125	175	70	-	-	-	-	H

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE

STEEL WEAR PLATES

AFNOR

PG15

Materiał / Material

16MnCr5

Twardość / Hardness

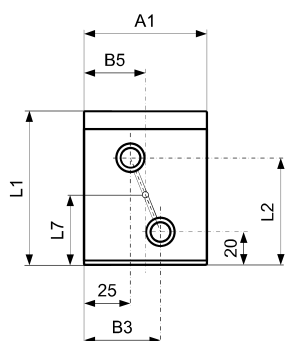
58 ÷ 60 HRC
POWIERZCHNIA SPODNIA**
NIEHARTOWANA
NOT HARDENED SURFACE

Jak zamówić / How to order

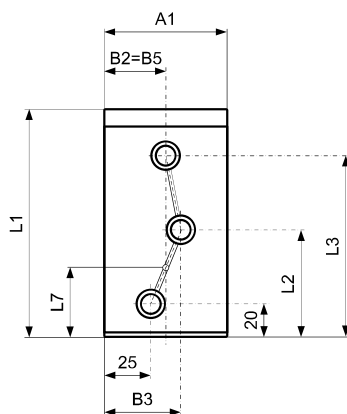
Symbol: PG15.200100

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

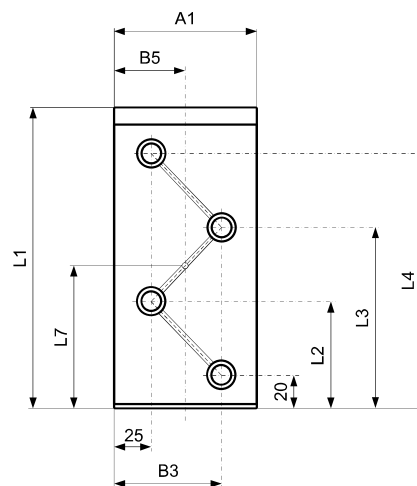
Inne wymiary na żądanie
Other dimensions on demand



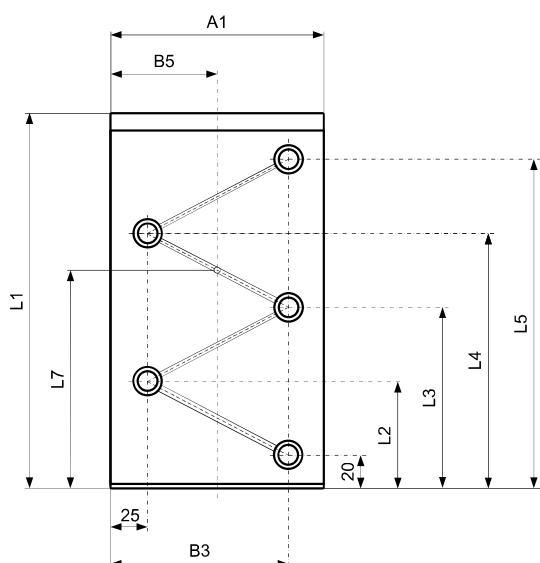
FORMA A
FORM A



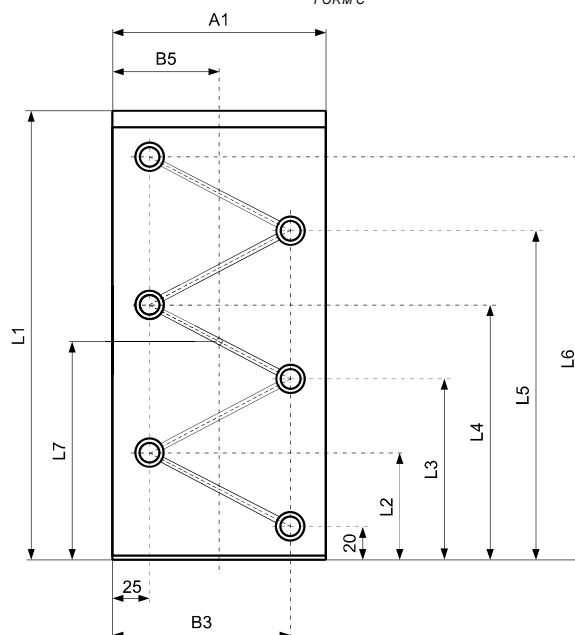
FORMA B
FORM B



FORMA C
FORM C



FORMA E
FORM E



FORMA F
FORM F

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE **STEEL WEAR PLATES** **AFNOR**

PG15

Materiał / Material

16MnCr5

Twardość / Hardness

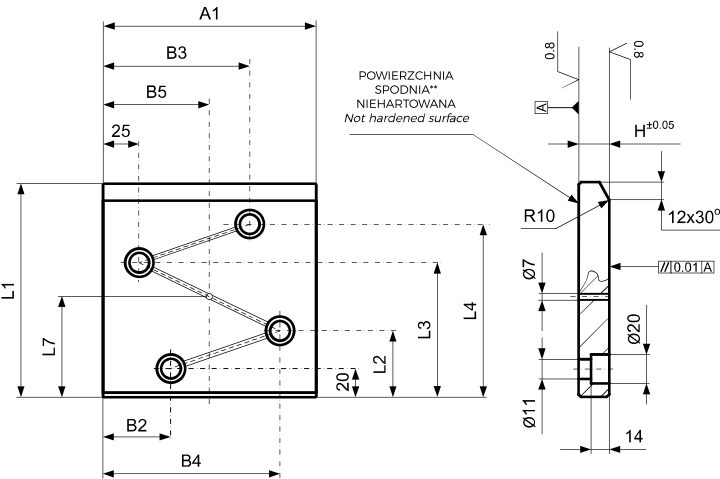
58 ÷ 60 HRC
POWIERZCHNIA SPODNIA**
NIEHARTOWANA
NOT HARDENED SURFACE

Jak zamówić / How to order

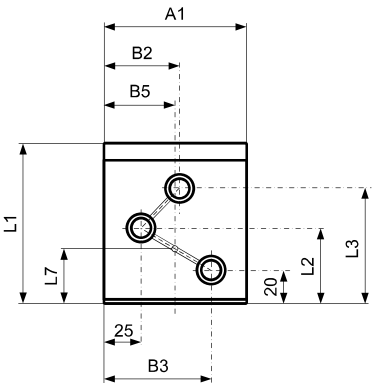
Symbol: PG15.200100

Sruby V8 / V12 str. J144
Screws V8 / V12 page J144

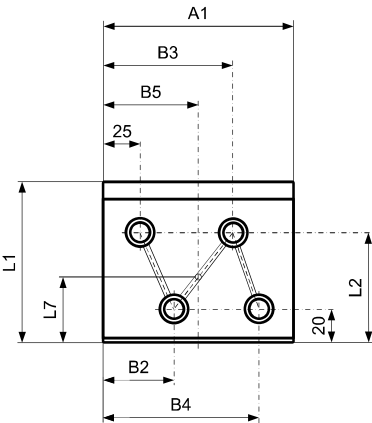
Inne wymiary na żądanie
Other dimensions on demand



FORMA D
FORM D



FORMA G
FORM G



FORMA H
FORM H

Symbol	A1	H	L1	B2	B3	B4	B5	L2	L3	L4	L5	L6	L7	FORMA FORM
PG15.070100	70	21	100	-	45	-	35	70	-	-	-	-	45	A
PG15.070150		21	150	35	45	-	35	70	120	-	-	-	45	B
PG15.070200		21	200	-	45	-	35	70	120	170	-	-	95	C
PG15.100100	100	21	100	55	75	-	50	45	70	-	-	-	32.5	G
PG15.100150		21	150	-	75	-	50	45	95	120	-	-	70	D
PG15.100200		21	200	-	75	-	50	70	120	170	-	-	95	C
PG15.100250		21	250	-	75	-	50	70	120	170	220	-	145	E
PG15.100300		21	300	-	75	-	50	70	120	170	220	270	145	F
PG15.150100	150	21	100	50	100	125	75	70	-	-	-	-	45	H
PG15.150150		21	150	50	100	125	75	45	95	120	-	-	70	D
PG15.150200		21	200	-	125	-	75	70	120	170	-	-	95	C
PG15.150250		21	250	-	125	-	75	70	120	170	220	-	145	E
PG15.150300		21	300	-	125	-	75	70	120	170	220	270	145	F
PG15.200100	200	21	100	75	125	175	100	70	-	-	-	-	45	H

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE

STEEL WEAR PLATES

AFNOR

PG16

Materiał / Material

16MnCr5

Twardość / Hardness

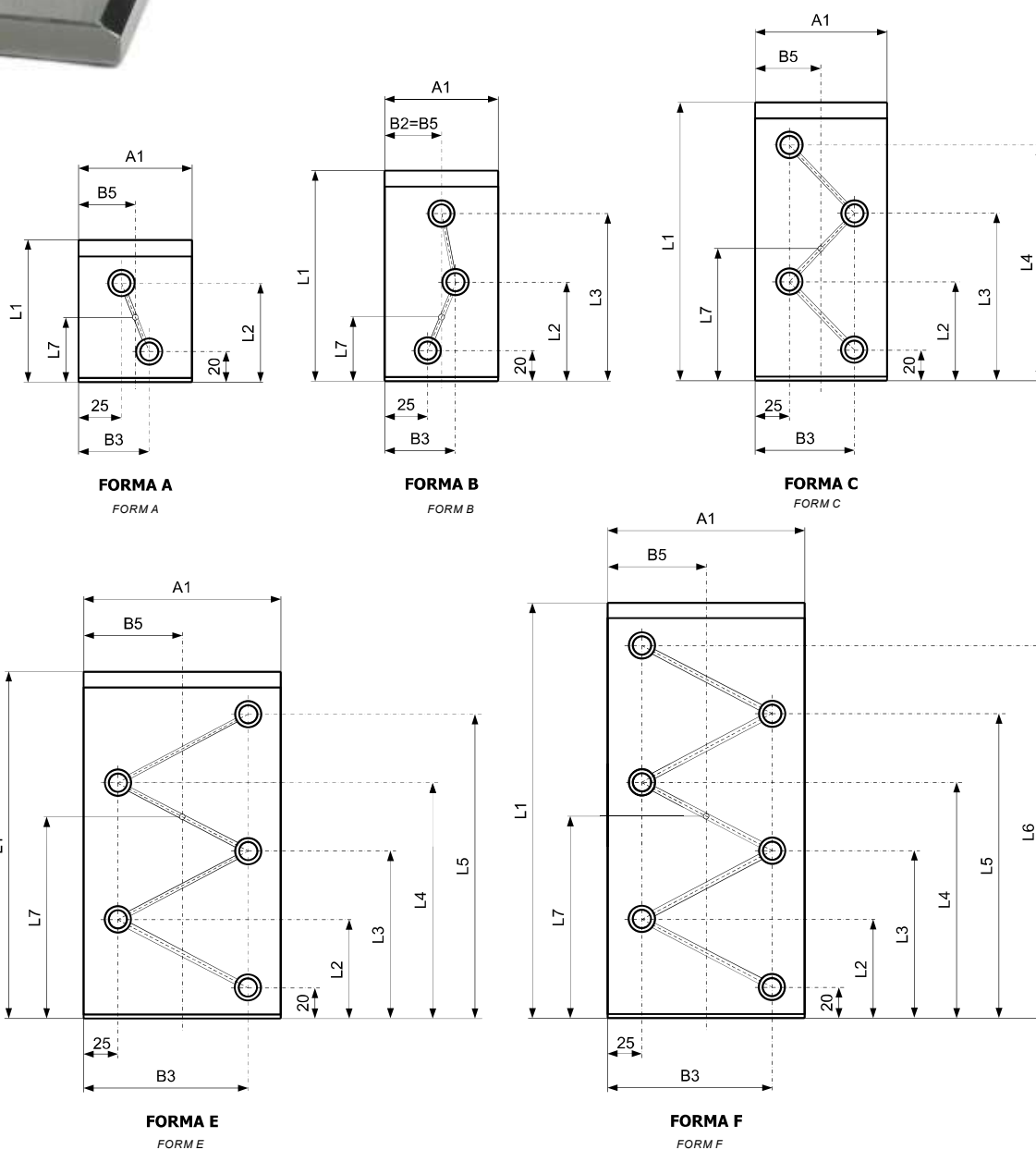
58 ÷ 60 HRC

Jak zamówić / How to order

Symbol: PG16.200100

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE **STEEL WEAR PLATES** **AFNOR**

PG16

Materiał / Material

16MnCr5

Twardość / Hardness

58 ÷ 60 HRC

Jak zamówić / How to order

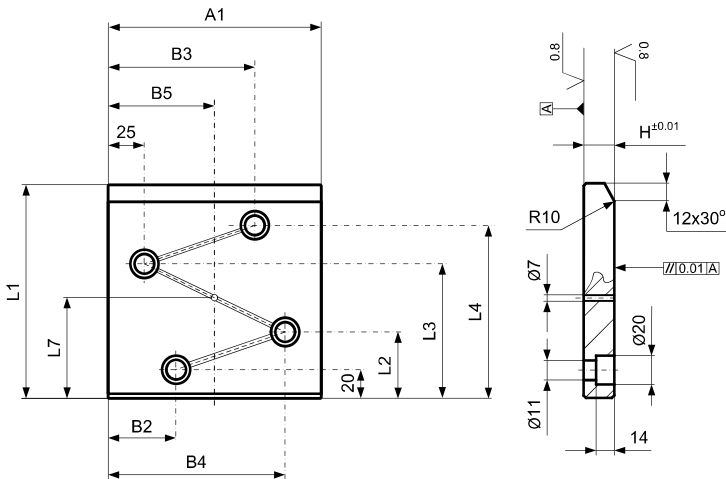
Symbol: PG16.200100

Sruby V8 / V12 str. J144

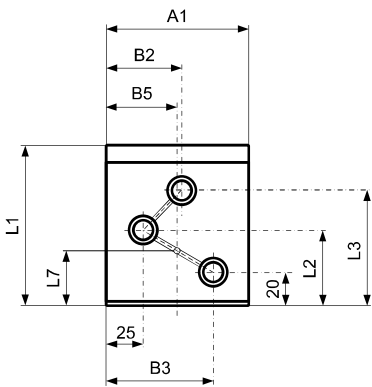
Screws V8 / V12 page J144

Inne wymiary na żądanie

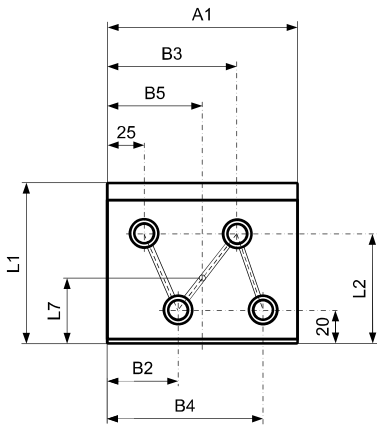
Other dimensions on demand



FORMA D
FORM D



FORMA G
FORM G



FORMA H
FORM H

Symbol	A1	H	L1	B2	B3	B4	B5	L2	L3	L4	L5	L6	L7	FORMA FORM
PG16.070100	70	20	100	-	45	-	35	70	-	-	-	-	45	A
PG16.070150		20	150	35	45	-	35	70	120	-	-	-	45	B
PG16.070200		20	200	-	45	-	35	70	120	170	-	-	95	C
PG16.100100	100	20	100	55	75	-	50	45	70	-	-	-	32.5	G
PG16.100150		20	150	-	75	-	50	45	95	120	-	-	70	D
PG16.100200		20	200	-	75	-	50	70	120	170	-	-	95	C
PG16.100250		20	250	-	75	-	50	70	120	170	220	-	145	E
PG16.100300		20	300	-	75	-	50	70	120	170	220	270	145	F
PG16.150100	150	20	100	50	100	125	75	70	-	-	-	-	45	H
PG16.150150		20	150	50	100	125	75	45	95	120	-	-	70	D
PG16.150200		20	200	-	125	-	75	70	120	170	-	-	95	C
PG16.150250		20	250	-	125	-	75	70	120	170	220	-	145	E
PG16.150300		20	300	-	125	-	75	70	120	170	220	270	145	F
PG16.200100	200	20	100	75	125	175	100	70	-	-	-	-	45	H

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG17

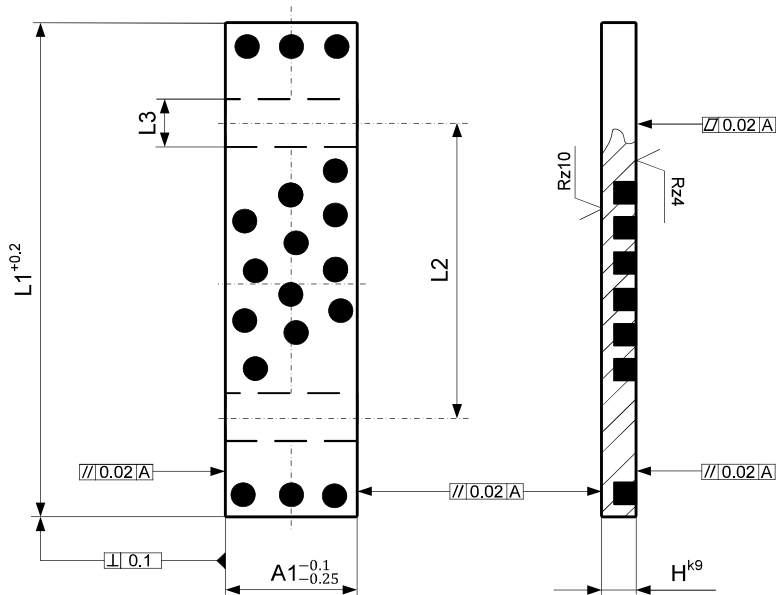
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: PG17.016040

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3
PG17.016040	16	8	40	15	6
PG17.018050	18	8	50	28	6
PG17.020063	20	10	63	32	7
PG17.025071	25	10	71	40	7
PG17.028080	28	10	80	50	7

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

VDI 3357

PG18

Material / Material

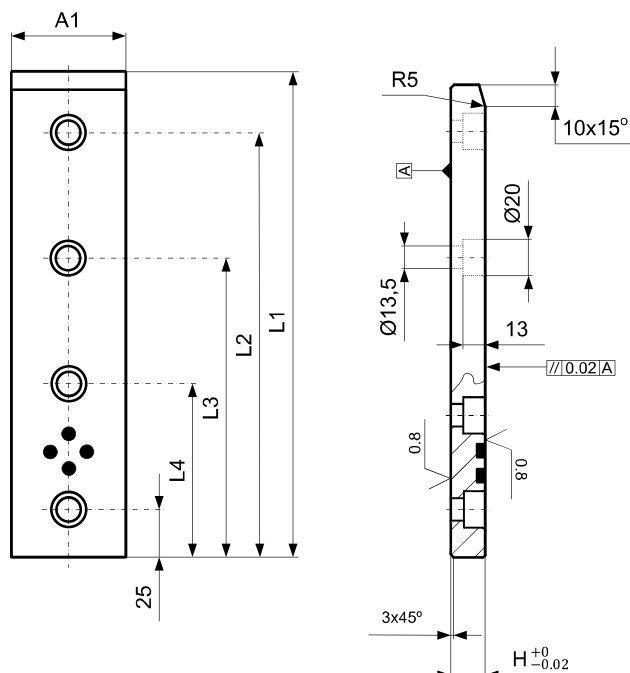
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **PG18.125250**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4
PG18.050250	50	20	250	225	165	85
PG18.050300		20	300	275	195	105
PG18.050350		20	350	325	225	125
PG18.050400		20	400	375	255	145
PG18.050450		20	450	425	285	165
PG18.050500		20	500	475	325	175
PG18.080250	80	20	250	225	165	85
PG18.080300		20	300	275	195	105
PG18.080350		20	350	325	225	125
PG18.080400		20	400	375	255	145
PG18.080450		20	450	425	285	165
PG18.080500		20	500	475	325	175
PG18.100250	100	20	250	225	165	85
PG18.100300		20	300	275	195	105
PG18.100350		20	350	325	225	125
PG18.100400		20	400	375	255	145
PG18.100450		20	450	425	285	165
PG18.100500		20	500	475	325	175

Symbol	A1	H	L1	L2	L3	L4
PG18.125250	125	20	250	225	165	85
PG18.125300		20	300	275	195	105
PG18.125350		20	350	325	225	125
PG18.125400		20	400	375	255	145
PG18.125450		20	450	425	285	165
PG18.125500		20	500	475	325	175
PG18.160250	160	20	250	225	165	85
PG18.160300		20	300	275	195	105
PG18.160350		20	350	325	225	125
PG18.160400		20	400	375	255	145
PG18.160450		20	450	425	285	165
PG18.160500		20	500	475	325	175

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG19

Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

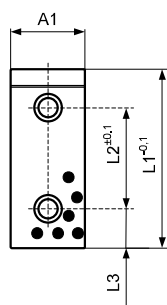
Symbol: PG19.080100

Śruby V8 / V12 str. J144

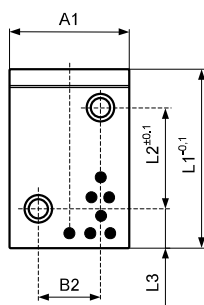
Screws V8 / V12 page J144

Inne wymiary na żądanie

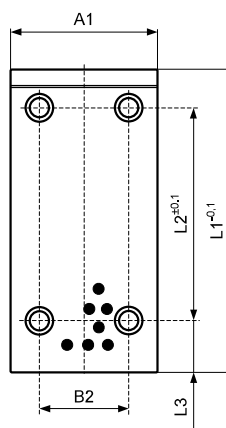
Other dimensions on demand



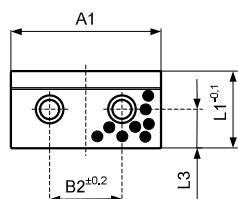
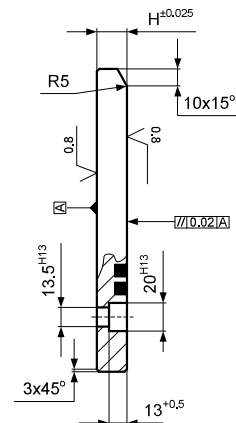
FORMA A
FORM A



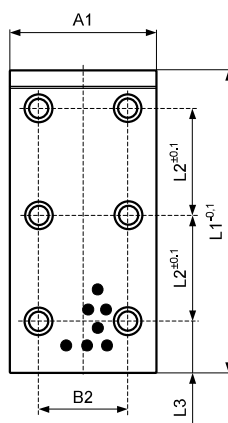
FORMA B
FORM B



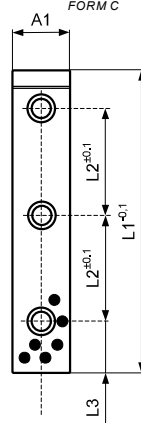
FORMA C
FORM C



FORMA D
FORM D



FORMA E
FORM E



FORMA F
FORM F

Symbol	A1	H	L1	B2	L2	L3	FORMA FORM
PG19.050080	50	20	80	-	35	20	A
PG19.050100		20	100	-	55	20	A
PG19.050125		20	125	-	80	20	A
PG19.050160		20	160	-	115	20	A
PG19.050200		20	200	-	155	20	A
PG19.050250		20	250	-	100	20	F
PG19.080050	80	20	50	40	-	25	D
PG19.080080		20	80	40	35	20	B
PG19.080100		20	100	40	55	20	B
PG19.080125		20	125	40	80	20	B
PG19.080160		20	160	40	115	20	C
PG19.080200		20	200	40	155	20	C
PG19.080250	100	20	250	40	100	20	E
PG19.080315		20	315	40	132	20	E
PG19.100050		20	50	60	-	25	D
PG19.100080		20	80	60	35	20	B
PG19.100100		20	100	60	55	20	B
PG19.100125		20	125	60	80	20	C
PG19.100160	125	20	160	60	115	20	C
PG19.100200		20	200	60	155	20	C

Symbol	A1	H	L1	B2	L2	L3	FORMA FORM
PG19.100250	100	20	250	60	100	20	E
PG19.100315		20	315	60	132	20	E
PG19.125050	125	20	50	85	-	25	D
PG19.125080		20	80	85	35	20	B
PG19.125100		20	100	85	55	20	C
PG19.125125		20	125	85	80	20	C
PG19.125160		20	160	85	115	20	C
PG19.125200		20	200	85	155	20	C
PG19.125250	160	20	250	85	100	20	E
PG19.125315		20	315	85	132	20	E
PG19.160050		20	50	120	-	25	D
PG19.160080		20	80	120	35	20	C
PG19.160100		20	100	120	55	20	C
PG19.160125		20	125	120	80	20	C
PG19.160160	200	20	160	120	115	20	C
PG19.160200		20	200	120	155	20	C
PG19.160250		20	250	120	100	20	E
PG19.160315		20	315	120	132	20	E
PG19.200160		20	160	160	115	20	C
PG19.200200		20	200	160	155	20	C

SELF-LUBRICATING WEAR PLATES

PG20

Material / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

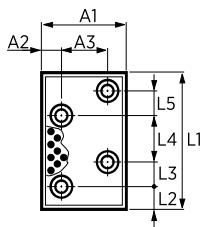
Symbol: PG20.080160

Šrubby V8 / V12 str. J144

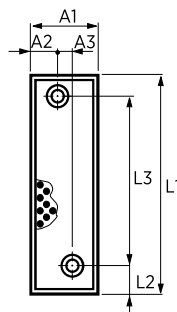
Screws V8 / V12 page J144

Inne wymiary na żądanie

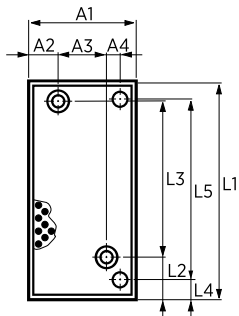
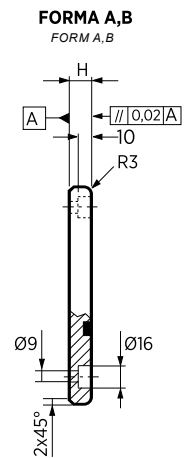
Other dimensions on demand



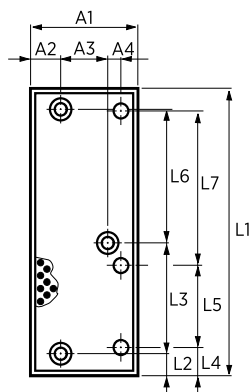
FORMA A
FORM A



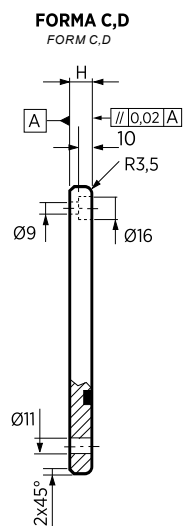
FORMA B
FORM B



FORMA C
FORM C



FORMA D
FORM D



Symbol	A1	H	L1	L2	L3	L4	L5	L6	L7	A2	A3	A4	FORMA FORM
PG20.050063	50	16+0.05	63	12	39	-	-	-	-	15	20	-	B
PG20.050160	50	16+0.01	160	21	126	-	-	-	-	19	12	-	B
PG20.050250	50	16+0.01	250	21	100	-	-	-	-	19	12	-	D
PG20.063100	63	16+0.05	100	15	18	34	18	-	-	12	39	-	A
PG20.080160	80	16+0.01	160	31	116	15	130	-	-	22	36	10	C
PG20.080250	80	16+0.01	250	21	100	25	80	116	130	22	36	10	D

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE
STEEL WEAR PLATES

PG30

Materiał / Material

CK45

Twardość / Hardness

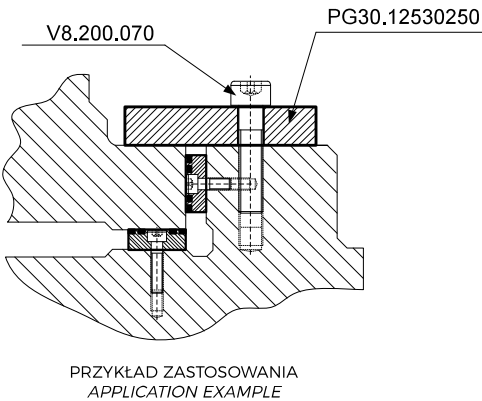
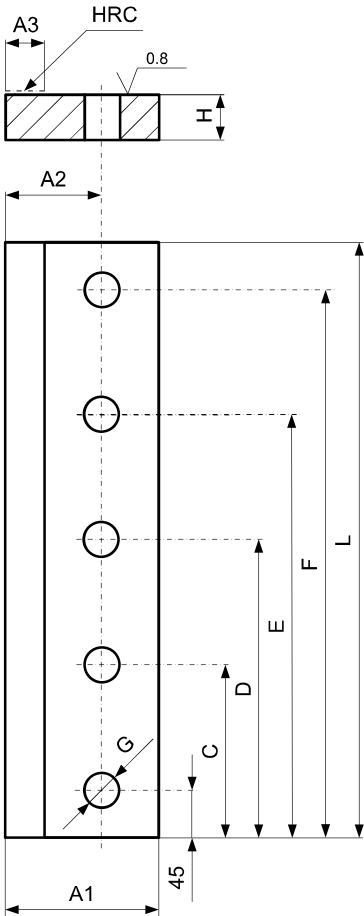
58 ÷ 60 HRC

Jak zamówić / How to order

Symbol: PG30.12530250

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	A2	A3	L	H	C	D	E	F	G	ŚRUBY SCREWS
PG30.07525160	75	40	25	160	25	-	-	-	115	17	2x M16x60
PG30.07525200		40	25	200	25	-	-	-	155	17	2x M16x60
PG30.07525250		40	25	250	25	-	125	-	205	17	3x M16x60
PG30.10025160	100	60	30	160	25	-	-	-	115	17	2x M16x60
PG30.10025200		60	30	200	25	-	-	-	155	17	2x M16x60
PG30.10025250		60	30	250	25	-	125	-	205	17	3x M16x60
PG30.10025400	100	60	30	400	25	125	200	275	355	17	5x M16x60
PG30.10030160		60	30	160	30	-	-	-	115	21	2x M20x70
PG30.10030200		60	30	200	30	-	-	-	155	21	2x M20x70
PG30.10030250	100	60	30	250	30	-	125	-	205	21	3x M20x70
PG30.10030400		60	30	400	30	125	200	275	355	21	5x M20x70
PG30.12530160	125	75	30	160	30	-	-	-	115	21	2x M20x70
PG30.12530200		75	30	200	30	-	-	-	155	21	2x M20x70
PG30.12530250		75	30	250	30	-	125	-	205	21	3x M20x70
PG30.12530400		75	30	400	30	125	200	275	355	21	5x M20x70

Elementy prowadzące do tłoczników

PŁYTKI PROWADZĄCE STALOWE SAMOSMARUJĄCE

SELF-LUBRICATING STEEL WEAR PLATES

PG35

Materiał / Material

CK45 + GRAFIT
CK45 + Graphite

Twierdność / Hardness

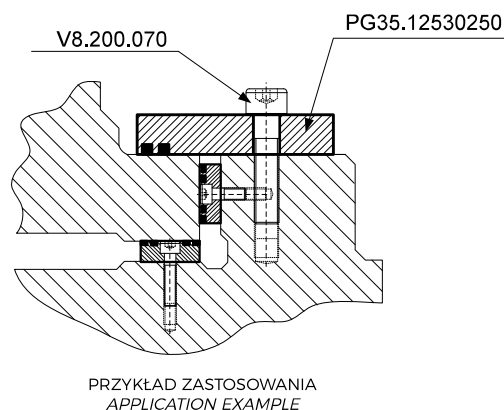
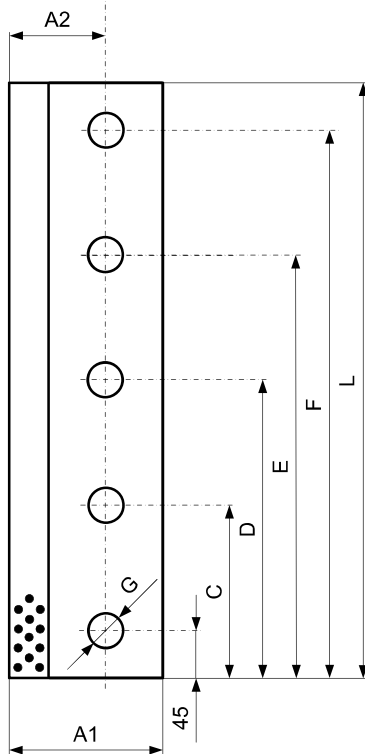
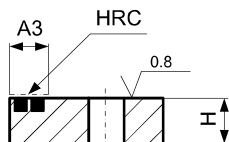
58 ± 60 HRC

Jak zamówić / How to order

Symbol: PG35.12530250

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na życzenie
Other dimensions on demand



Symbol	A1	A2	A3	L	H	C	D	E	F	G	ŚRUBY SCREWS
PG35.07525160	75	40	25	160	25	-	-	-	115	17	2x M16x60
PG35.07525200		40	25	200	25	-	-	-	155	17	2x M16x60
PG35.07525250		40	25	250	25	-	125	-	205	17	3x M16x60
PG35.10025160	100	60	30	160	25	-	-	-	115	17	2x M16x60
PG35.10025200		60	30	200	25	-	-	-	155	17	2x M16x60
PG35.10025250		60	30	250	25	-	125	-	205	17	3x M16x60
PG35.10025400		60	30	400	25	125	200	275	355	17	5x M16x60
PG35.10030160	100	60	30	160	30	-	-	-	115	21	2x M20x70
PG35.10030200		60	30	200	30	-	-	-	155	21	2x M20x70
PG35.10030250		60	30	250	30	-	125	-	205	21	3x M20x70
PG35.10030400		60	30	400	30	125	200	275	355	21	5x M20x70
PG35.12530160	125	75	30	160	30	-	-	-	115	21	2x M20x70
PG35.12530200		75	30	200	30	-	-	-	155	21	2x M20x70
PG35.12530250		75	30	250	30	-	125	-	205	21	3x M20x70
PG35.12530400		75	30	400	30	125	200	275	355	21	5x M20x70

PŁYTKI PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING WEAR PLATES

PG40

Materiał / Material

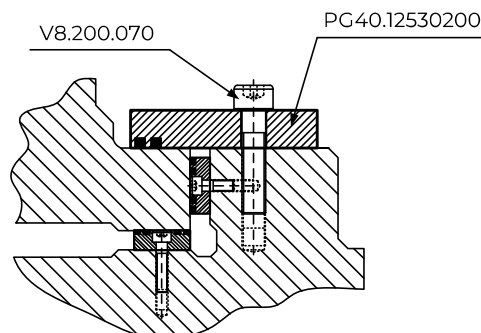
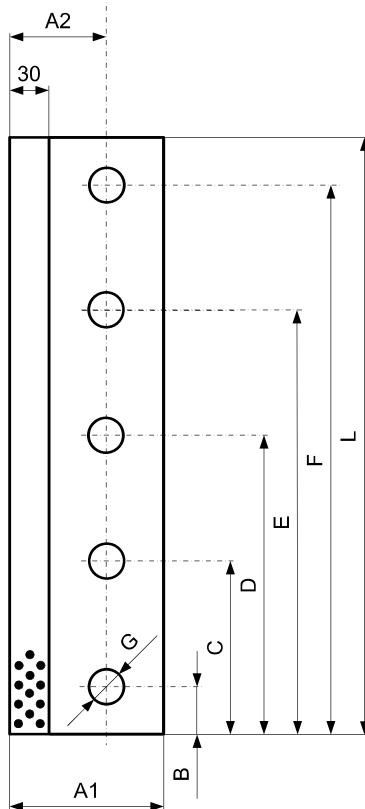
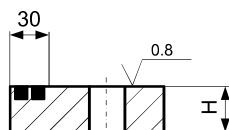
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: PG40.12530200

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



PRZYKŁAD ZASTOSOWANIA
APPLICATION EXAMPLE

Symbol	A1	A2	L	H	B	C	D	E	F	G	ŚRUBY SCREWS
PG40.08530160	85	60	160	30	45	-	-	-	115	21	2x M20x70
PG40.08530200		60	200	30	45	-	-	-	155	21	2x M20x70
PG40.08530250		60	250	30	45	-	125	-	205	21	3x M20x70
PG40.08530300		60	300	30	45	-	150	-	255	21	3x M20x70
PG40.08530350		60	350	30	45	-	175	-	305	21	3x M20x70
PG40.08530400		60	400	30	45	125	200	275	355	21	5x M20x70
PG40.12525160	125	75	160	25	45	-	-	-	115	17	2x M16x60
PG40.12525200		75	200	25	45	-	-	-	155	17	2x M16x60
PG40.12525250		75	250	25	45	-	125	-	205	17	3x M16x60
PG40.12525400		75	400	25	45	125	200	275	355	17	5x M16x60
PG40.12530160	125	75	160	30	45	-	-	-	115	21	2x M20x70
PG40.12530200		75	200	30	45	-	-	-	155	21	2x M20x70
PG40.12530250		75	250	30	45	-	125	-	205	21	3x M20x70
PG40.12530300		75	300	30	45	-	150	-	255	21	3x M20x70
PG40.12530350		75	350	30	45	-	175	-	305	21	3x M20x70
PG40.12530400		75	400	30	45	125	200	275	355	21	5x M20x70
PG40.12530450		75	450	30	50	130	225	320	400	21	5x M20x70
PG40.12530500		75	500	30	50	130	250	370	450	21	5x M20x70

PŁYTKI PROWADZĄCE Z WKŁADKAMI BRAZOWYMI SAMOSMARUJĄCYMI

WEAR PLATES WITH SELF-LUBRICATING BRONZE PLATE

PG42

Materiał / Material

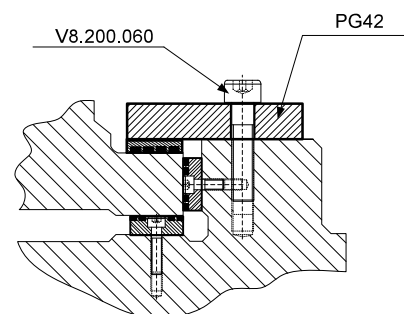
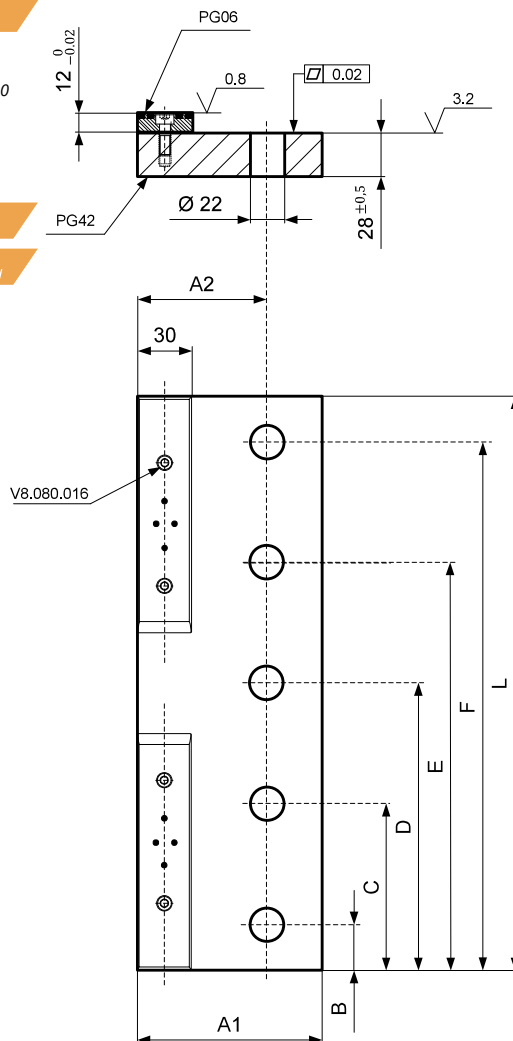
WKŁADKA: BRĄZ + GRAFIT HB > 190
STAL: 16MnCr5
INSERTION: BRONZE + GRAPHITE HB > 190
STEEL: 16MnCr5

Jak zamówić / How to order

Symbol: PG42.125250

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



PRZYKŁAD ZASTOSOWANIA
APPLICATION EXAMPLE

Symbol	A1	A2	L	B	C	D	E	F	ŚRUBY SCREWS
PG42.085160	85	60	160	45	115	-	-	-	2x M20x60
PG42.085200		60	200	45	155	-	-	-	2x M20x60
PG42.085250		60	250	45	125	205	-	-	3x M20x60
PG42.085300		60	300	45	150	255	-	-	3x M20x60
PG42.085350		60	350	45	175	305	-	-	3x M20x60
PG42.085400		60	400	45	125	200	275	355	5x M20x60
PG42.085450		60	450	50	130	225	320	400	5x M20x60
PG42.085500		60	500	50	130	250	370	450	5x M20x60
PG42.125160	125	75	160	45	115	-	-	-	2x M20x60
PG42.125200		75	200	45	155	-	-	-	2x M20x60
PG42.125250		75	250	45	125	205	-	-	3x M20x60
PG42.125300		75	300	45	150	255	-	-	3x M20x60
PG42.125350		75	350	45	175	305	-	-	3x M20x60
PG42.125400		75	400	45	125	200	275	355	5x M20x60
PG42.125450		75	450	50	130	225	320	400	5x M20x60
PG42.125500		75	500	50	130	250	370	450	5x M20x60

LISTWY KĄTOWE SAMOSMARUJĄCE

SELF-LUBRICATING ANGULAR GUIDE

GA01

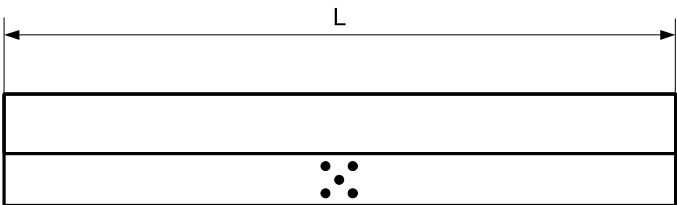
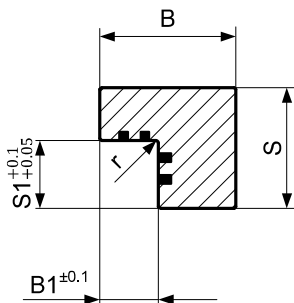
Materiał / Material

BRAŻ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **GA01.030.032.0605**

Inne wymiary na żądanie
Other dimensions on demand



Symbol	S	B	S1	B1	L
GA01.012.020.0305	12	20	6	5	305
GA01.015.025.0305	15	25	8	7	305
GA01.020.030.0305	20	30	12	9	305
GA01.030.032.0605	30	32	15	10	605
GA01.030.032.1005	30	32	15	10	1005
GA01.035.035.0605	35	35	24	12	605
GA01.035.035.1005	35	35	24	12	1005
GA01.045.050.0605	45	50	25	22	605
GA01.045.050.1005	45	50	25	22	1005
GA01.050.050.0605	50	50	34	16	605
GA01.050.050.1005	50	50	34	16	1005

Elementy prowadzące do tłoczników

LISTWY KĄTOWE SAMOSMARUJĄCE

SELF-LUBRICATING ANGULAR GUIDE

GA02

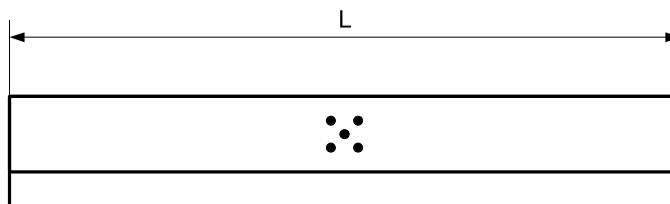
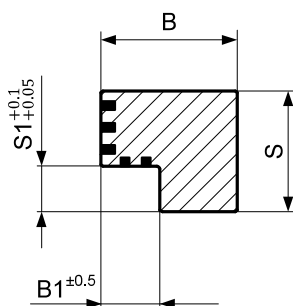
Materiał / Material

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **GA02.027.028.0320**

Inne wymiary na żądanie
Other dimensions on demand



Symbol	S	B	S1	B1	L
GA02.012.015.0205	12	15	5	5	205
GA02.017.020.0205	17	20	7	5	205
GA02.017.020.0320	17	20	7	5	320
GA02.022.020.0205	22	20	7	5	205
GA02.022.020.0320	22	20	7	5	320
GA02.027.028.0205	27	28	10	8	205
GA02.027.028.0320	27	28	10	8	320
GA02.027.028.0605	27	28	10	8	605
GA02.036.028.0205	36	28	10	8	205
GA02.036.028.0320	36	28	10	8	320
GA02.036.028.0605	36	28	10	8	605
GA02.046.028.0205	46	28	10	8	205
GA02.046.028.0320	46	28	10	8	320
GA02.046.028.0605	46	28	10	8	605
GA02.066.040.0205	66	40	22	12	205
GA02.066.040.0320	66	40	22	12	320
GA02.066.040.0605	66	40	22	12	605
GA02.086.040.0205	86	40	26	12	205
GA02.086.040.0320	86	40	26	12	320
GA02.086.040.0605	86	40	26	12	605

Elementy prowadzące do tłoczników

LISTWY KĄTOWE SAMOSMARUJĄCE

SELF-LUBRICATING ANGULAR GUIDE

GA10

Materiał / Material

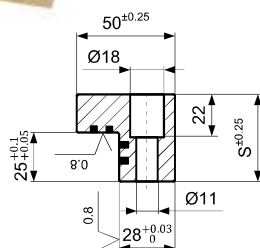
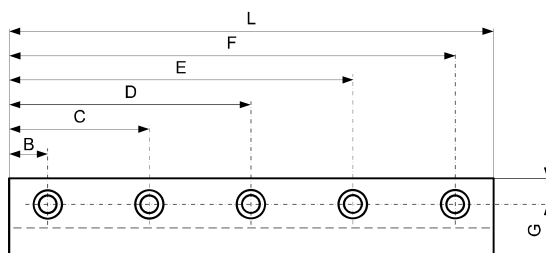
BRAŻ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

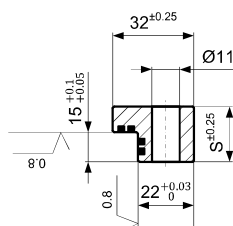
Symbol: **GA10.030250**

Sruby V8 / V12 str. J144
Screws V8 / V12 page J144

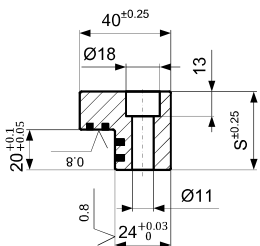
Inne wymiary na żądanie
Other dimensions on demand



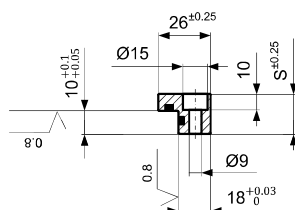
FORMA A
FORM A



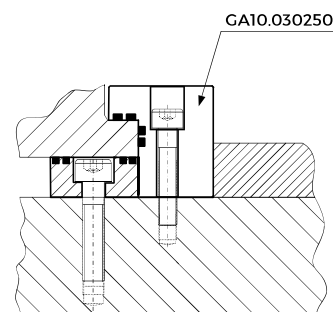
FORMA B
FORM B



FORMA C
FORM C



FORMA D
FORM D



PRZYKŁAD ZASTOSOWANIA
APPLICATION EXAMPLE

Symbol	S	L	B	C	D	E	F	G	FORMA FORM
GA10.020100	20	100	20	80	-	-	-	9	D
GA10.020150		150	20	75	130	-	-	9	D
GA10.020200		200	20	75	125	180	-	9	D
GA10.030100	30	100	20	80	-	-	-	11	B
GA10.030150		150	20	75	130	-	-	11	B
GA10.030200		200	20	75	125	180	-	11	B
GA10.030250	40	250	20	90	160	230	-	11	B
GA10.040160		160	15	145	-	-	-	12	C
GA10.040250		250	15	145	225	-	-	12	C
GA10.045200	45	200	20	75	125	180	-	14	A
GA10.045250		250	20	90	160	230	-	14	A
GA10.045300		300	20	85	150	215	280	14	A
GA10.045350		350	20	100	175	250	330	14	A

LISTWY KĄTOWE SAMOSMARUJĄCE

SELF-LUBRICATING ANGULAR GUIDE

VDI 3357

GA11

Materiał / Material

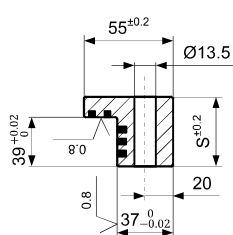
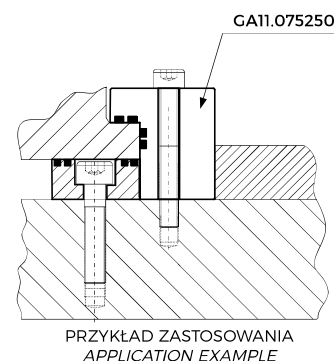
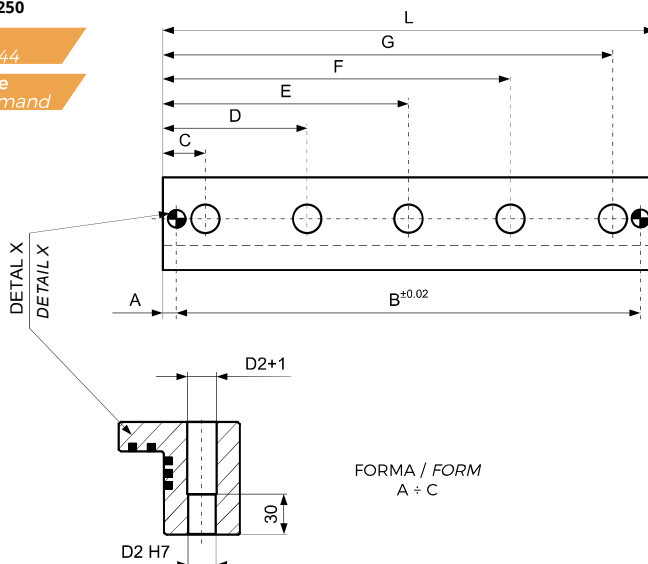
BRĄZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

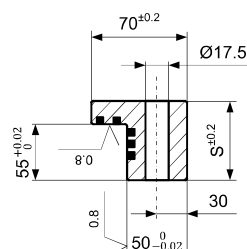
Symbol: **GA11.075250**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

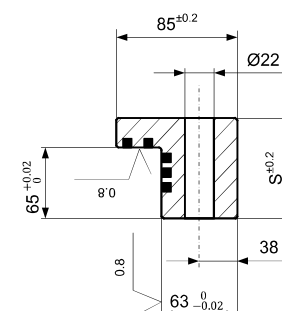
Inne wymiary na życzenie
Other dimensions on demand



FORMA A
FORM A



FORMA B
FORM B



FORMA C
FORM C

Symbol	S	L	A	B	C	D	E	F	G	D2	FORMA FORM
GA11.055100	55	100	10	80	27,5	-	-	-	72,5	10	A
GA11.055160		160	10	140	27,5	-	-	-	132,5	10	A
GA11.075160	75	160	12,5	135	35	-	-	-	125	12	B
GA11.075200		200	12,5	175	35	-	-	-	165	12	B
GA11.075250		250	12,5	225	35	-	125	-	215	12	B
GA11.075400		400	12,5	375	35	125	200	275	365	12	B
GA11.090160	90	160	15	130	42,5	-	-	-	117,5	16	C
GA11.090200		200	15	170	42,5	-	-	-	157,5	16	C
GA11.090250		250	15	220	42,5	-	125	-	207,5	16	C
GA11.090400		400	15	370	42,5	125	200	275	357,5	16	C

LISTWY KĄTOWE SAMOSMARUJĄCE

SELF-LUBRICATING ANGULAR GUIDE

VDI 3357

GA12

Materiał / Material

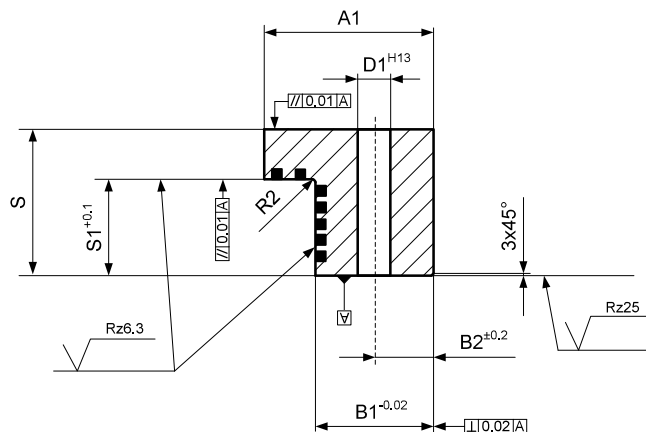
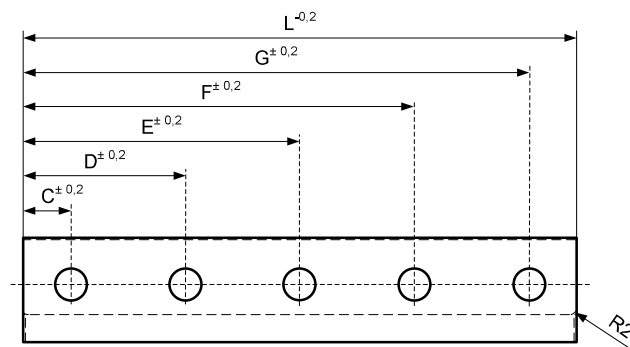
BRĄZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **GA12.070200**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na życzenie
Other dimensions on demand



Symbol	A1	L	B1	S	B2	S1	C	D	E	F	G	D1	ŚRUBY SCREWS
GA12.025125	25	125	18	15,5	9	8,5	27,5	97,5	-	-	-	9	2xM8
GA12.025160		160	18	15,5	9	8,5	27,5	132,5	-	-	-	9	2xM8
GA12.032125	32	125	22	30,5	11	15,5	27,5	97,5	-	-	-	11	2xM10
GA12.032160		160	22	30,5	11	15,5	27,5	132,5	-	-	-	11	2xM10
GA12.032200	45	200	22	30,5	11	15,5	27,5	172,5	-	-	-	11	2xM10
GA12.045100		100	30	50,5	15	34,5	27,5	72,5	-	-	-	13,5	2xM12
GA12.045125		125	30	50,5	15	34,5	27,5	97,5	-	-	-	13,5	2xM12
GA12.045160	55	160	30	50,5	15	34,5	27,5	132,5	-	-	-	13,5	2xM12
GA12.055100		100	37	55,5	20	39,5	27,5	72,5	-	-	-	13,5	2xM12
GA12.055160	70	160	37	55,5	20	39,5	27,5	132,5	-	-	-	13,5	2xM12
GA12.070160		160	50	75,5	30	55,5	35	125	-	-	-	17,5	2xM16
GA12.070200		200	50	75,5	30	55,5	35	165	-	-	-	17,5	2xM16
GA12.070250	85	250	50	75,5	30	55,5	35	125	215	-	-	17,5	3xM16
GA12.070400		400	50	75,5	30	55,5	35	125	200	275	365	17,5	5xM16
GA12.085160	100	160	63	90,5	38	65,5	42,5	117,5	-	-	-	22	2xM20
GA12.085200		200	63	90,5	38	65,5	42,5	157,5	-	-	-	22	2xM20
GA12.085250		250	63	90,5	38	65,5	42,5	125	207,5	-	-	22	3xM20
GA12.085400	100	400	63	90,5	38	65,5	42,5	125	200	275	357,5	22	5xM20
GA12.100160		160	75	100,5	45	75,5	45	115	-	-	-	26	2xM24
GA12.100200		200	75	100,5	45	75,5	45	155	-	-	-	26	2xM24
GA12.100250		250	75	100,5	45	75,5	45	125	205	-	-	26	3xM24

LISTWY PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BARS

LR10

Materiał / Material

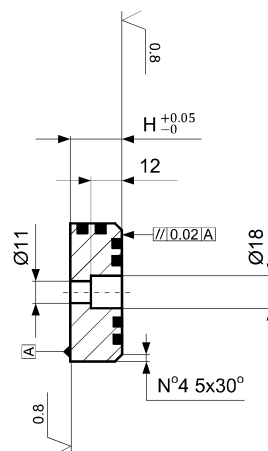
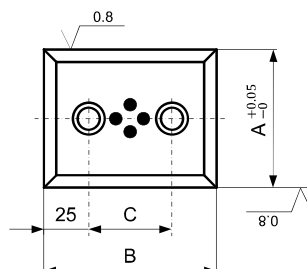
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **LR10.7520100**

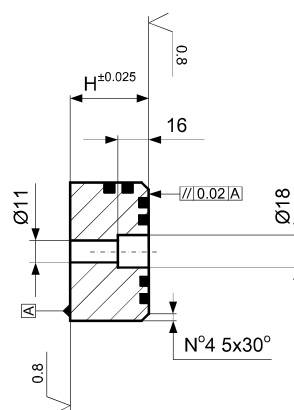
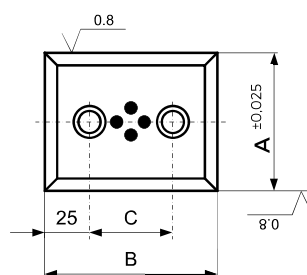
Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



FORMA A

FORM A



FORMA B

FORM B

Symbol	A	B	H	C	FORMA FORM
LR10.4820100	48	100	20	50	A
LR10.4820150		150	20	100	A
LR10.7520100	75	100	20	50	A
LR10.7520150		150	20	100	A
LR10.7538100	75	100	38	50	B
LR10.7538150		150	38	100	B

Elementy prowadzące do tłoczników

Materiał / Material

16MnCr5

Twardość / Hardness

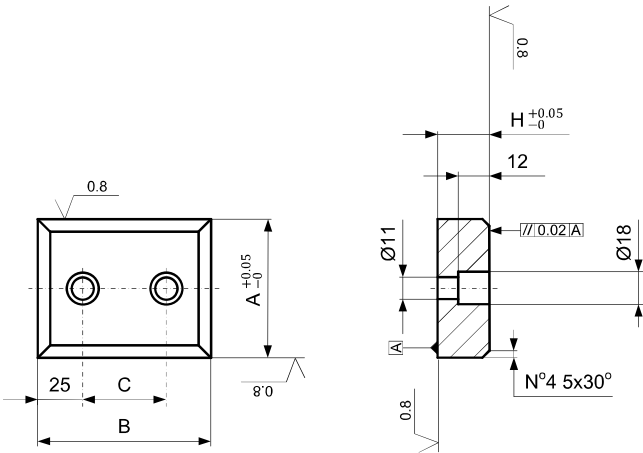
58 ÷ 60 HRC

Jak zamówić / How to order

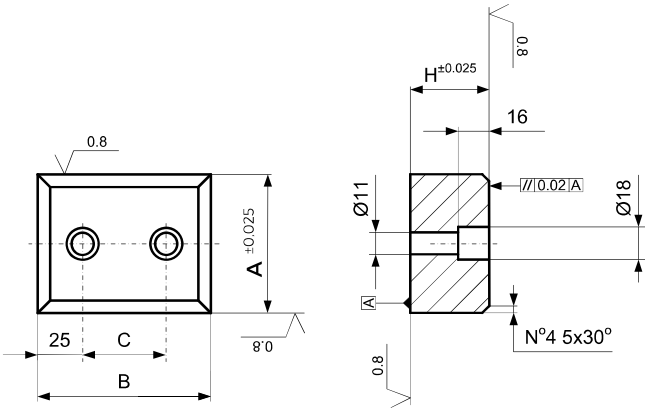
Symbol: LR11.7520150

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



FORMA A
FORM A



FORMA B
FORM B

Symbol	A	B	H	C	FORMA FORM
LR11.4820100	48	100	20	50	A
LR11.4820150		150	20	100	A
LR11.7520100	75	100	20	50	A
LR11.7520150		150	20	100	A
LR11.7538100	75	100	38	50	B
LR11.7538150		150	38	100	B

LISTWY PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BARS

VDI 3357

LR12

Materiał / Material

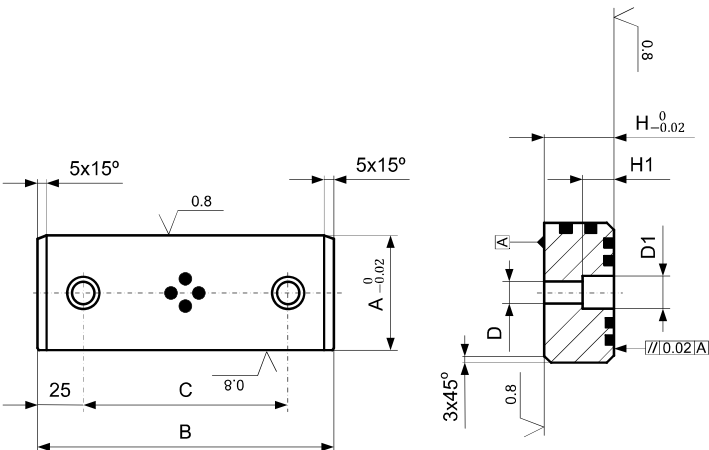
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

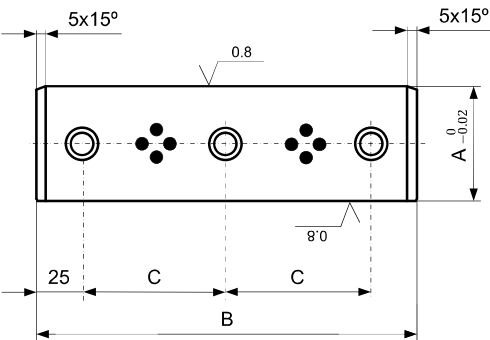
Symbol: **LR12.6040125**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



FORMA A
FORM A



FORMA B
FORM B

Symbol	A	B	C	H	D	D1	H1	FORMA FORM
LR12.2512110	25	110	60	12	9	13	9	A
LR12.2512120		120	70	12	9	13	9	A
LR12.2515110	25	110	60	15	11	18	11	A
LR12.2515120		120	70	15	11	18	11	A
LR12.6030125	60	125	75	30	13	20	13	A
LR12.6030150		150	100	30	13	20	13	A
LR12.6030160		160	110	30	13	20	13	A
LR12.6030200		200	75	30	13	20	13	B
LR12.6040125	60	125	75	40	13	20	13	A
LR12.6040150		150	100	40	13	20	13	A
LR12.6040160		160	110	40	13	20	13	A
LR12.6040200		200	75	40	13	20	13	B

Elementy prowadzące do tłoczników

LISTWY PROWADZĄCE STALOWE SAMOSMARUJĄCE **LR13**

STEEL SELF-LUBRICATING GUIDE BARS

Materiał / Material

CK45 + GRAFIT
CK45 + GRAPHITE

Twardość / Hardness

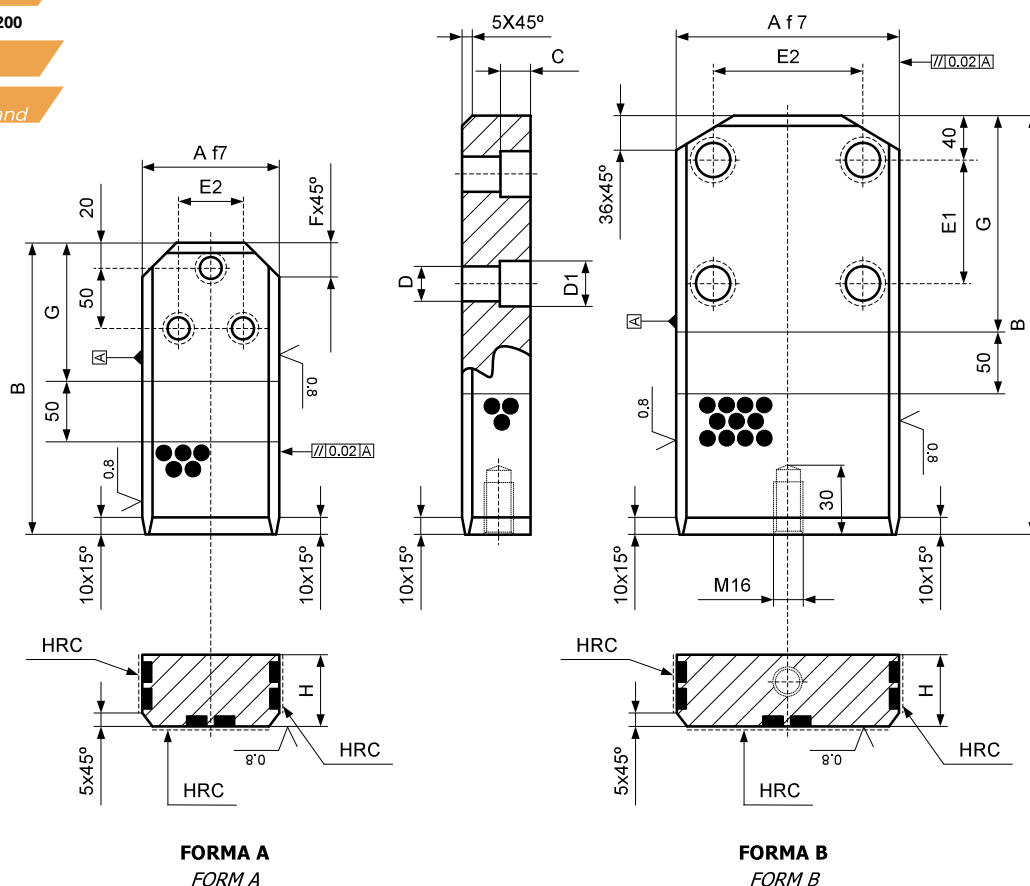
58 ± 60 HRC

Jak zamówić / How to order

Symbol: LR13.09045200

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A	B	H	C	D	D1	E1	E2	F	G	FORMA FORM
LR13.06336180	63	180	36	16	13	20	-	36	18	90	A
LR13.06336200		200	36	16	13	20	-	36	18	90	A
LR13.06336224		224	36	16	13	20	-	36	18	90	A
LR13.07136180	71	180	36	16	13	20	-	36	18	90	A
LR13.07136200		200	36	16	13	20	-	36	18	90	A
LR13.07136224		224	36	16	13	20	-	36	18	90	A
LR13.09045200	90	200	45	21	17	26	-	50	28	100	A
LR13.09045224		224	45	21	17	26	-	50	28	100	A
LR13.09045250		250	45	21	17	26	-	50	28	100	A
LR13.11245200	112	200	45	21	17	26	-	50	28	100	A
LR13.11245224		224	45	21	17	26	-	50	28	100	A
LR13.11245250		250	45	21	17	26	-	50	28	100	A
LR13.14045315	140	315	45	26	22	33	80	90	-	150	B
LR13.14045400		400	45	26	22	33	80	90	-	150	B
LR13.14056315		315	56	26	22	33	80	90	-	150	B
LR13.14056400		400	56	26	22	33	80	90	-	150	B
LR13.19045315	190	315	45	26	22	33	80	90	-	150	B
LR13.19045400		400	45	26	22	33	80	90	-	150	B
LR13.19056315		315	56	26	22	33	80	90	-	150	B
LR13.19056400		400	56	26	22	33	80	90	-	150	B
LR13.24056500	240	500	56	31	26	40	160	160	-	250	B
LR13.24056630		630	56	31	26	40	160	160	-	250	B

LISTWY PROWADZĄCE SAMOSMARUJĄCE

SELF-LUBRICATING GUIDE BARS

LR15

Materiał / Material

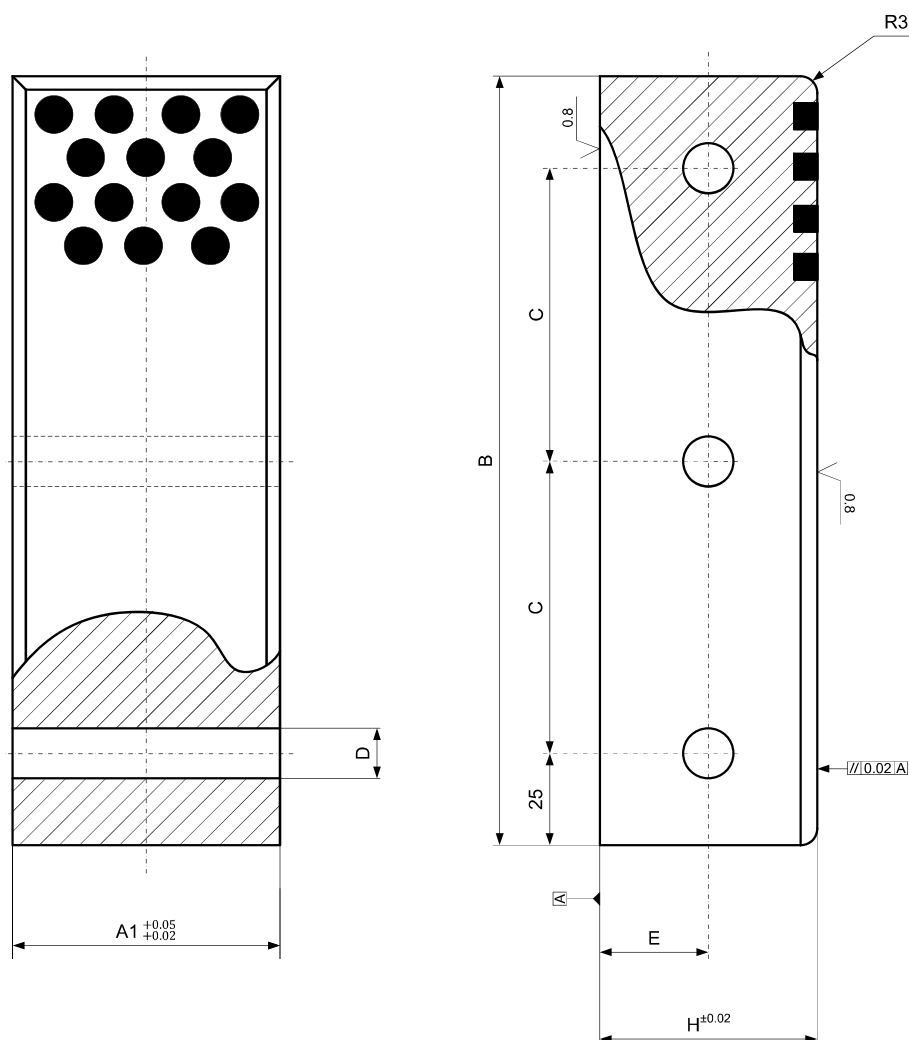
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **LR15.060150**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	B	C	D	E	H
LR15.040150	40	150	50	14	20	40
LR15.040200		200	75	14	20	40
LR15.060150	60	150	50	18	25	50
LR15.060200		200	75	18	25	50

Elementy prowadzące do tłoczników

VDI 3357

VA12

CK45

Twierdzenie 1.1

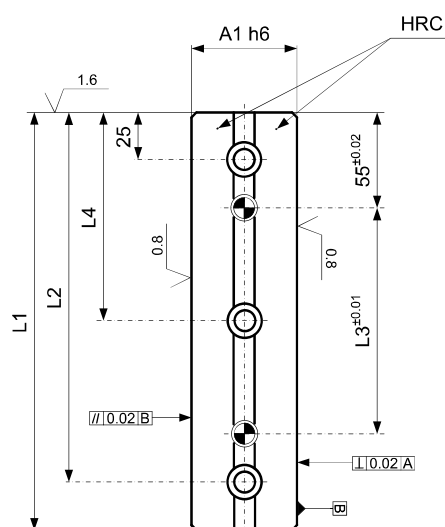
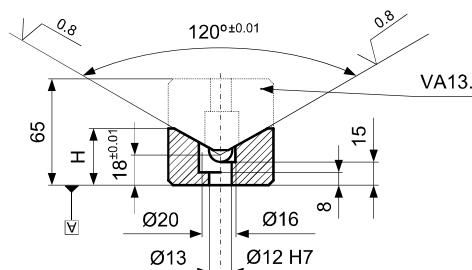
58 ÷ 60 HRC

Symbol: VA12.065150

Šruba V8 / V12 str. J144

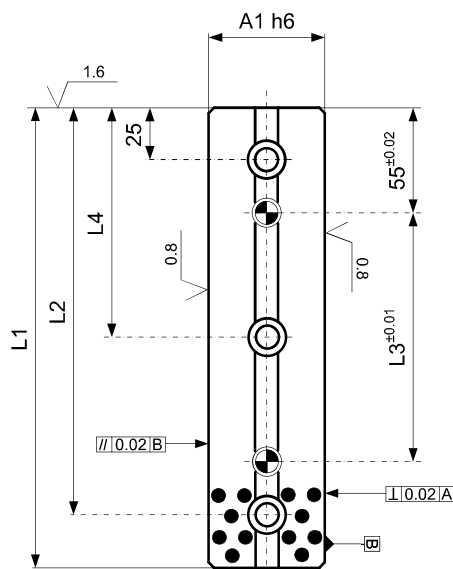
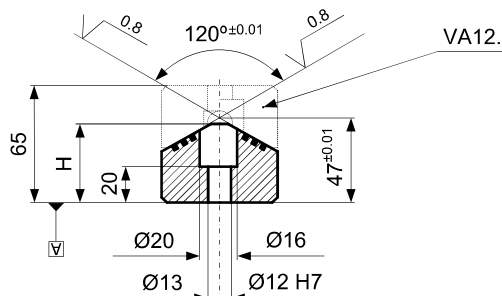
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4
VA12.065150	65	35	150	125	45	-
VA12.065200		35	200	175	95	-
VA12.065250		35	250	225	145	125
VA12.065300		35	300	275	195	150

VA13



Symbol	A1	H	L1	L2	L3	L4
VA13.065150	65	44	150	125	45	-
VA13.065200		44	200	175	95	-
VA13.065250		44	250	225	145	125
VA13.065300		44	300	275	195	150

Elementy prowadzące do tłoczników

LISTWY PROWADZĄCE KSZTAŁT V STALOWE

STEEL V-GUIDE BARS

VDI 3357

VA20

Materiał / Material

CK45

Twardość / Hardness

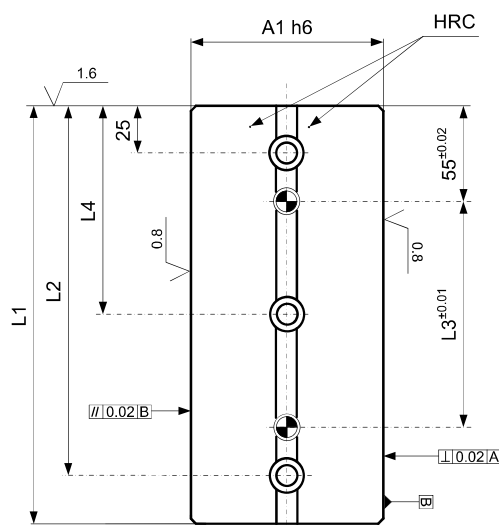
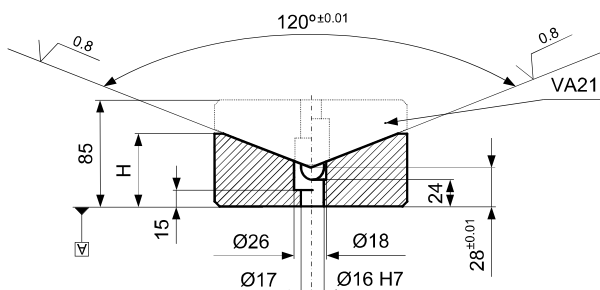
58 ÷ 60 HRC

Jak zamówić / How to order

Symbol: VA20.125250

Sruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4
VA20.125150	125	60	150	125	45	-
VA20.125200		60	200	175	95	-
VA20.125250		60	250	225	145	125
VA20.125300		60	300	275	195	150

LISTWY PROWADZĄCE KSZTAŁT V SAMOSMARUJĄCE

SELF-LUBRICATING V-GUIDE BARS

VDI 3357

VA21

Materiał / Material

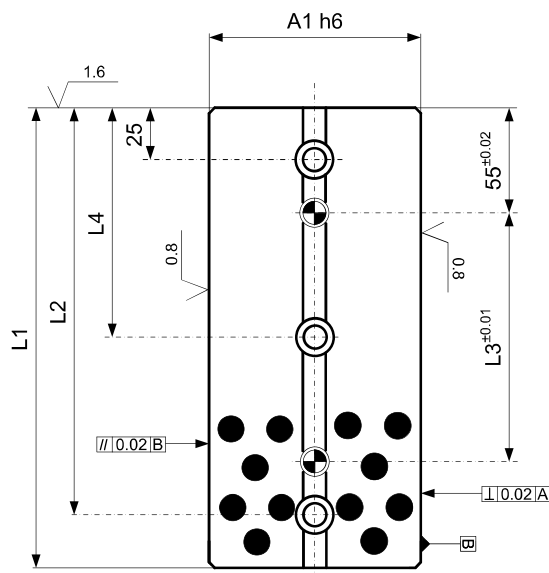
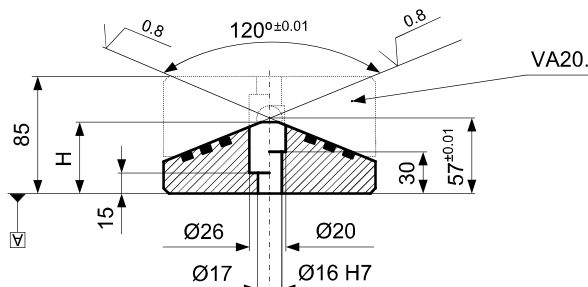
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: **VA21.125250**

Sruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4
VA21.125150	125	52	150	125	45	-
VA21.125200		52	200	175	95	-
VA21.125250		52	250	225	145	125
VA21.125300		52	300	275	195	150

Elementy prowadzące do tłoczników

SELF-LUBRICATING V-GUIDE BARS

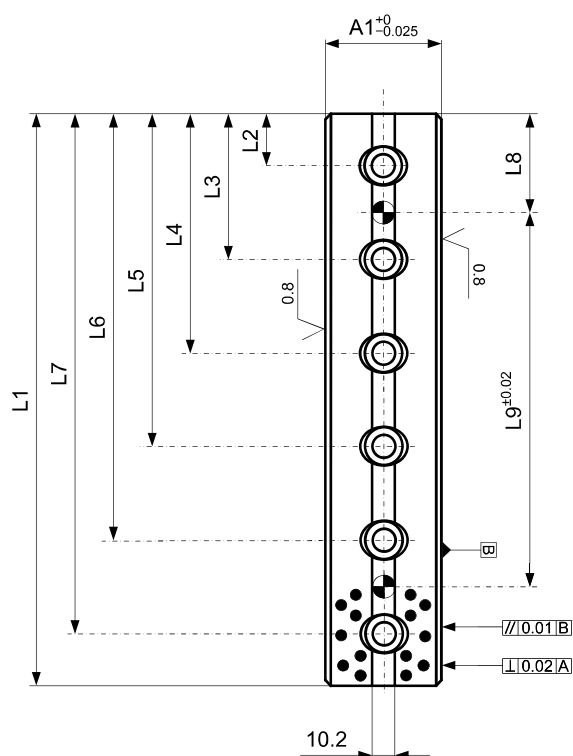
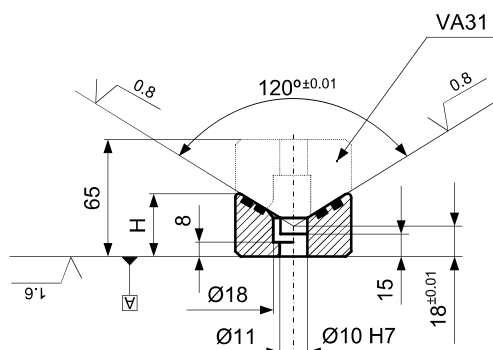
VA30

BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Symbol: VA30.065300

Šrubby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4	L5	L6	L7	L8	L9
VA30.065100	65	35	100	20	80	-	-	-	-	40	20
VA30.065150		35	150	25	75	125	-	-	-	50	50
VA30.065200		35	200	25	75	125	175	-	-	50	100
VA30.065250		35	250	25	75	125	175	225	-	50	150
VA30.065300		35	300	25	75	125	175	225	275	50	200

LISTWY PROWADZĄCE KSZTAŁT V STALOWE

STEEL V-GUIDE BARS

VA31

Materiał / Material

CK45

Twardość / Hardness

58 ÷ 60 HRC

Jak zamówić / How to order

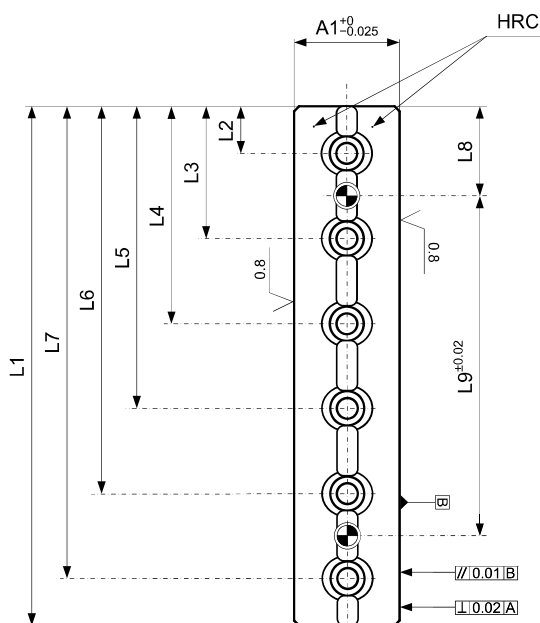
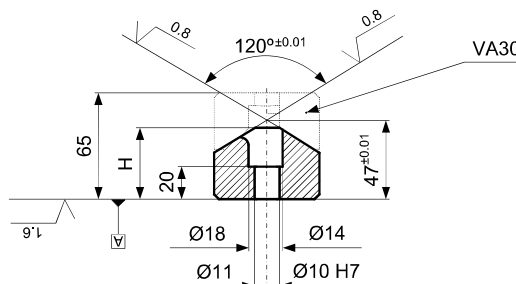
Symbol: VA31.065300

Śruby V8 / V12 str. J144

Screws V8 / V12 page J144

Inne wymiary na żądanie

Other dimensions on demand



Symbol	A1	H	L1	L2	L3	L4	L5	L6	L7	L8	L9
VA31.065100	65	44	100	20	80	-	-	-	-	40	20
VA31.065150		44	150	25	75	125	-	-	-	50	50
VA31.065200		44	200	25	75	125	175	-	-	50	100
VA31.065250		44	250	25	75	125	175	225	-	50	150
VA31.065300		44	300	25	75	125	175	225	275	50	200

Elementy prowadzące do tłoczników

LISTWY PROWADZĄCE KSZTAŁT V SAMOSMARUJĄCE

SELF-LUBRICATING V-GUIDE BARS

VA40



Materiał / Material

Blok V męski: CK45
Male V block: CK45

Blok U żeński: CK45
Female U block: CK45

VA40.01.: BRĄZ + GRAFIT
VA40.01.: BRONZE + GRAPHITE
HB > 190

VA40.03.: MATERIAŁ SPIEKANY
VA40.03.: SINTERED MATERIAL

PR03.: STAL HARTOWANA
PR03.: HARDENED STEEL

Twardość / Hardness

Blok V męski:
hartowana powierzchnia 60 ÷ 64 HRC
Male V block:
SURFACE HARDENED 60 ÷ 64 HRC

PR03: 30 ÷ 35 HRC
PR03: 30 ÷ 35 HRC

Jak zamówić / How to order

VA40.XX.065.150.X.B.C

z wkładką 01: brąz + grafit
with 01 insert: bronze + graphite
Symbol: **VA40.01.065.200.(S).B.C**

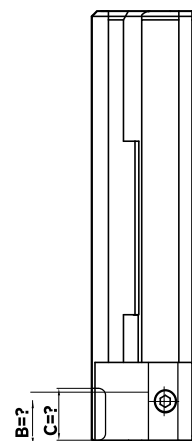
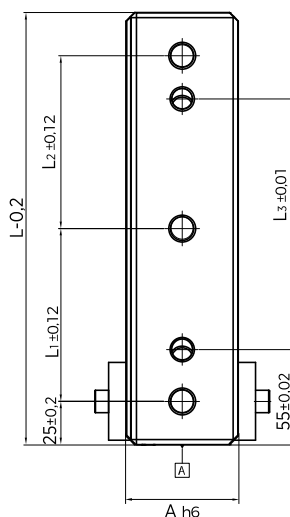
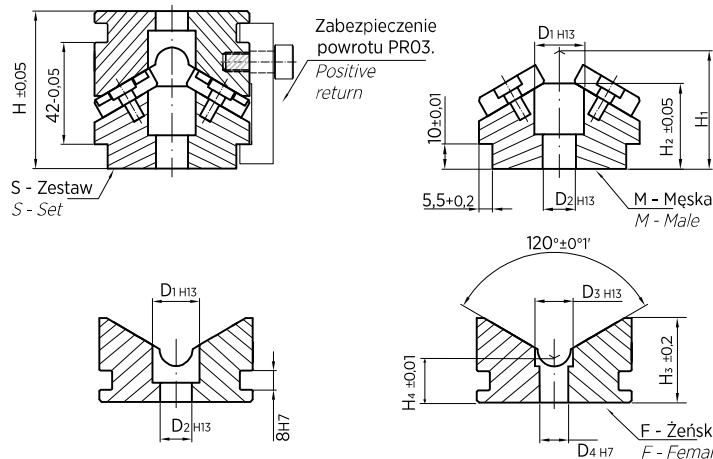
z wkładką 03: smar spiekany
with 03 insert: sintered lubricant
Symbol: **VA40.03.065.200.(S).B.C**

Symbol: **VA40.(XX).065.200.(X).B.C**

XX X
01 - brąz + grafit S - cały zestaw
03 - materiał spiekany M - tylko część V męska
F - tylko część U żeńska

**WAŻNE: Wymiary B i C muszą być podane
przez klienta w zamówieniu**

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144



Symbol	Symbol GSB	A	H	L	L1	L2	L3	H1	H2	H3	H4	D1	D2	D3	D4
VA40.XX.065.150.X.B.C	G245-XX-0615-02-X-BC	65	65	150	-	125	45	47	34	35	18	20	13,5	16	12
VA40.XX.065.200.X.B.C	G245-XX-0620-02-X-BC		65	200	-	175	95	47	34	35	18	20	13,5	16	12
VA40.XX.065.250.X.B.C	G245-XX-0625-02-X-BC		65	250	100	100	145	47	34	35	18	20	13,5	16	12
VA40.XX.065.300.X.B.C	G245-XX-0630-02-X-BC		65	300	125	125	195	47	34	35	18	20	13,5	16	12
VA40.XX.125.150.X.B.C	G245-XX-1215-02-X-BC	125	85	150	-	125	45	57	44	60	28	26	17,5	20	16
VA40.XX.125.200.X.B.C	G245-XX-1220-02-X-BC		85	200	-	175	95	57	44	60	28	26	17,5	20	16
VA40.XX.125.250.X.B.C	G245-XX-1225-02-X-BC		85	250	100	100	145	57	44	60	28	26	17,5	20	16
VA40.XX.125.300.X.B.C	G245-XX-1230-02-X-BC		85	300	125	125	195	57	44	60	28	26	17,5	20	16

ZABEZPIECZENIA POWROTU DO LISTWY VA40

POSITIVE RETURN CLAMP FOR VA40 DRIVERS

PR03

Materiał / Material

STAL - STEEL

Twardość / Hardness

30 ÷ 35 HRC

Jak zamówić / How to order

Symbol: PR03.045

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

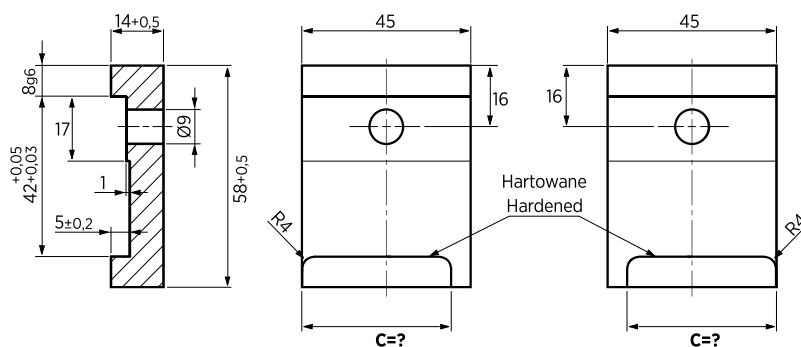


Forma - A (Lewa)

Form - A (Left)

Forma - B (Prawa)

Form - B (Right)



Symbol	Symbol GSB	Forma Form	Położenie Location
PR03.045	G234-03-045-C	A+B	Obie strony / Both sides
PR03.045.L	G234-03-045L-C	A	Lewa / Left
PR03.045.R	G234-03-045R-C	B	Prawa / Right

PŁYTKI DO LISTWY PROWADZĄCEJ VA40

REPLACEABLE WEAR PLATES SELF-LUBRICATING FOR VA40

VA41

Materiał / Material

VA41.01. BRĄZ + GRAFIT
BRONZE + GRAPHITE
HB > 190



VA41.03. MATERIAŁ SPIEKANY
SINTERED MATERIAL

MAX. OKREŚLONE CIŚNIENIE 300MPa (N/mm²)
MAX. SPECIFIC PRESSURE 300MPa (N/mm²)

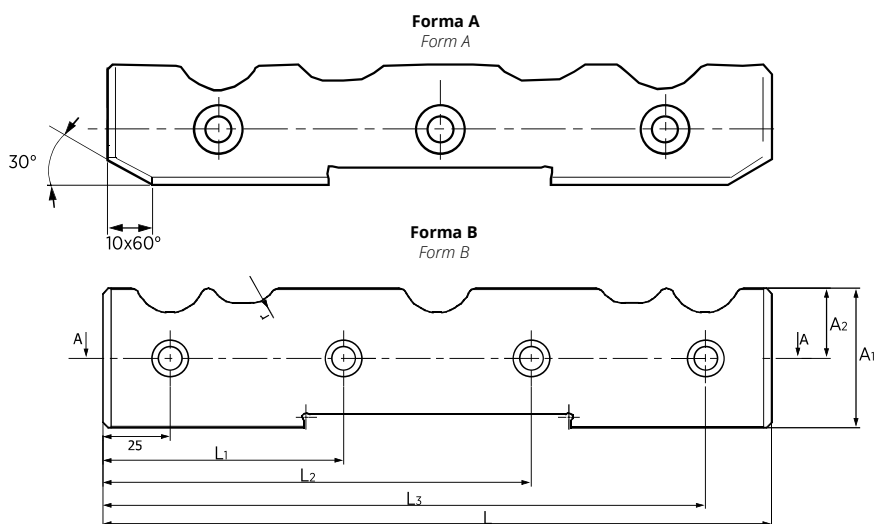
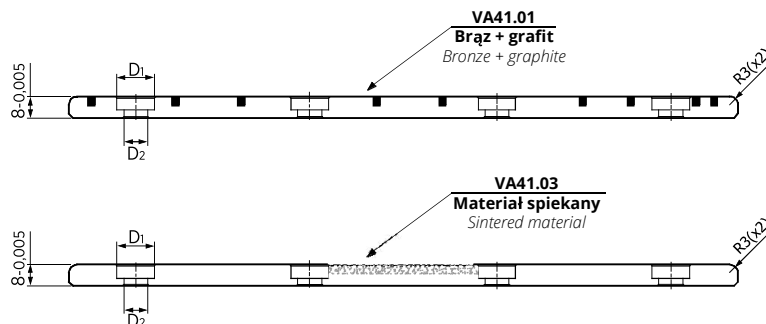
Jak zamówić / How to order

Symbol: **VA41.(XX).065.200**

XX

01 - brąz + grafit / 01 - Bronze + graphite
03 - materiał spiekany / 03 - Sintered material

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144



Symbol	Symbol GSB	A1 ±0.2	L -0.5/-1	L1 -0.3/-0.5	L2 -0.3/-0.5	L3 -0.3/-0.5	A2 ±0.1	D1	D2	r	Forma Form
VA41.XX.065.150	G246-XX-065-150-02	27	150	75	-	125	14	11	6,5	8,5	A
VA41.XX.065.200	G246-XX-065-200-02	27	200	75	125	175	14	11	6,5	8,5	A
VA41.XX.065.250	G246-XX-065-250-02	27	250	90	160	225	14	11	6,5	8,5	A
VA41.XX.065.300	G246-XX-065-300-02	27	300	95	205	275	14	11	6,5	8,5	A
VA41.XX.125.150	G246-XX-125-150-02	52	150	75	-	125	26	14	9	10	B
VA41.XX.125.200	G246-XX-125-200-02	52	200	75	125	175	26	14	9	10	B
VA41.XX.125.250	G246-XX-125-250-02	52	250	90	160	225	26	14	9	10	B
VA41.XX.125.300	G246-XX-125-300-02	52	300	100	200	275	26	14	9	10	B

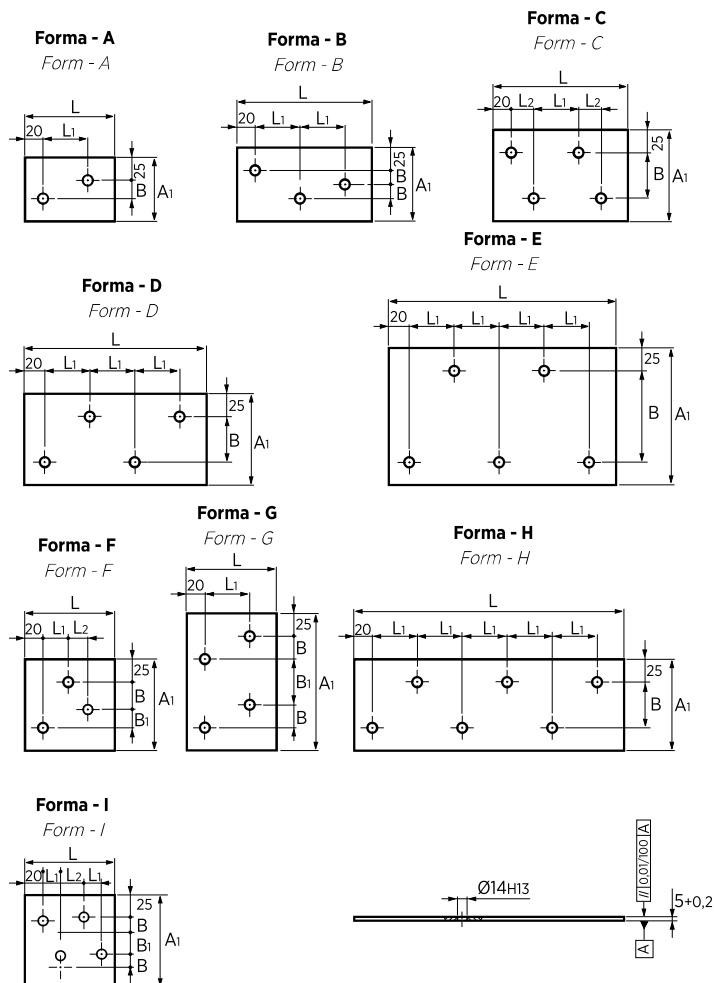
Materiał / Material

ST 37

Jak zamówić / How to order

Symbol: BPS.100.300

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144



Symbol	Symbol GSB	A ₁ -2	L ±0,1	L ₁ ±0,1	L ₂	B ±0,1	B ₁ ±0,1	Forma Form
BPS.070.100	G234-01-070-100	70	100	50	-	20	-	A
BPS.070.150	G234-01-070-150	70	150	50	-	10	-	B
BPS.070.200	G234-01-070-200	70	200	50	-	20	-	D
BPS.100.100	G234-01-100-100	100	100	25	25	30	20	F
BPS.100.150	G234-01-100-150	100	150	50	25	50	-	C
BPS.100.200	G234-01-100-200	100	200	50	-	50	-	D
BPS.100.250	G234-01-100-250	100	250	50	-	50	-	E
BPS.100.300	G234-01-100-300	100	300	50	-	50	-	H
BPS.150.100	G234-01-150-100	150	100	50	-	25	50	G
BPS.150.150	G234-01-150-150	150	150	25	50	25	50	I
BPS.150.200	G234-01-150-200	150	200	50	-	100	-	D
BPS.150.250	G234-01-150-250	150	250	50	-	100	-	E
BPS.150.300	G234-01-150-300	150	300	50	-	100	-	H
BPS.200.100	G234-01-200-100	200	100	50	-	50	50	G

KLINY SAMOSMARUJĄCE

SELF-LUBRICATING WEDGES

CA10

Materiał / Material

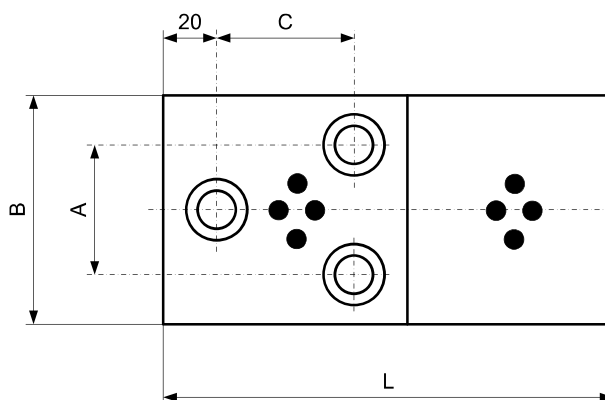
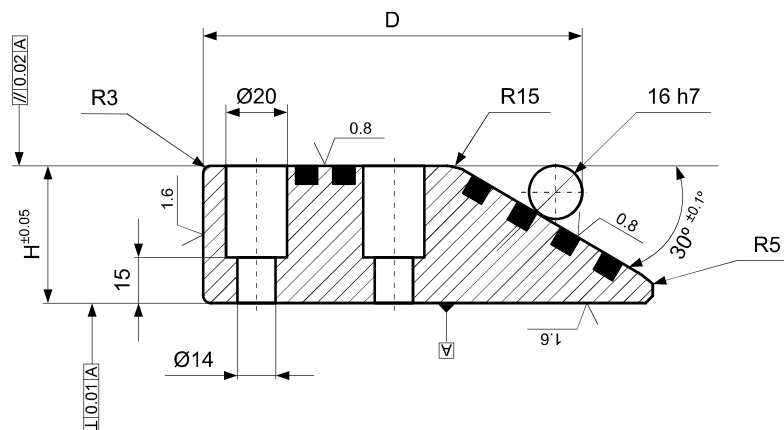
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: CA10.10045150

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	B	H	L	A	C	D
CA10.10030125	100	30	125	60	50	132,8
CA10.12530125	125	30	125	85	50	132,8
CA10.16030125	160	30	125	120	50	132,8
CA10.10045150	100	45	150	60	45	127,9
CA10.12545150	125	45	150	85	45	127,9
CA10.16045150	160	45	150	120	45	127,9
CA10.10060170	100	60	170	60	45	127,9
CA10.12560170	125	60	170	85	45	127,9
CA10.16060170	160	60	170	120	45	127,9

KLINY STALOWE

STEEL WEDGES

CA11

Materiał / Material

42CrMo4

Twardość / Hardness

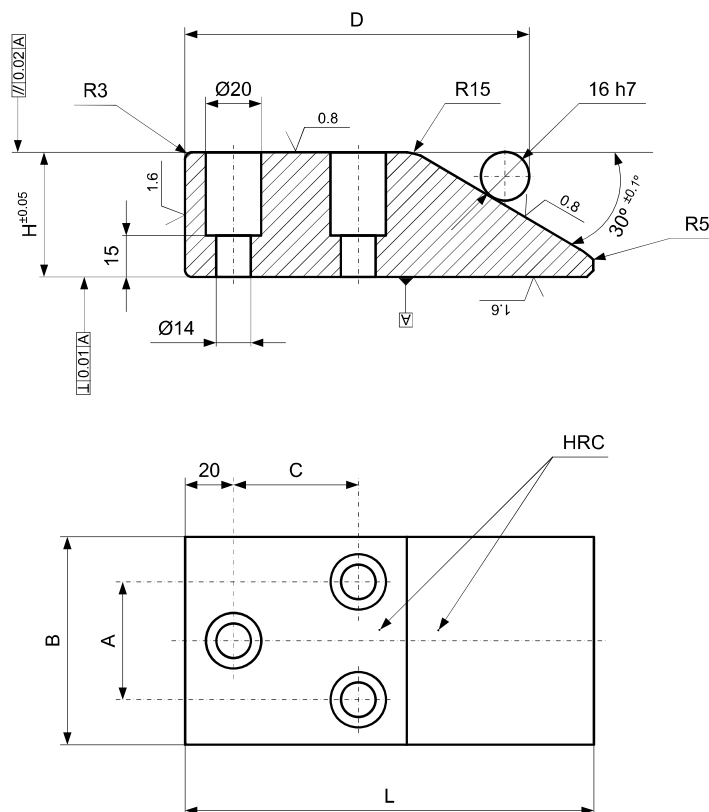
58 ± 60 HRC

Jak zamówić / How to order

Symbol: CA11.10045150

Sruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	B	H	L	A	C	D
CA11.10030125	100	30	125	60	50	132,8
CA11.12530125	125	30	125	85	50	132,8
CA11.16030125	160	30	125	120	50	132,8
CA11.10045150	100	45	150	60	45	127,9
CA11.12545150	125	45	150	85	45	127,9
CA11.16045150	160	45	150	120	45	127,9
CA11.10060170	100	60	170	60	45	127,9
CA11.12560170	125	60	170	85	45	127,9
CA11.16060170	160	60	170	120	45	127,9

Elementy prowadzące do tłoczników

KLINY SAMOSMARUJĄCE

SELF-LUBRICATING WEDGES

VDI 3357

CA12

Materiał / Material

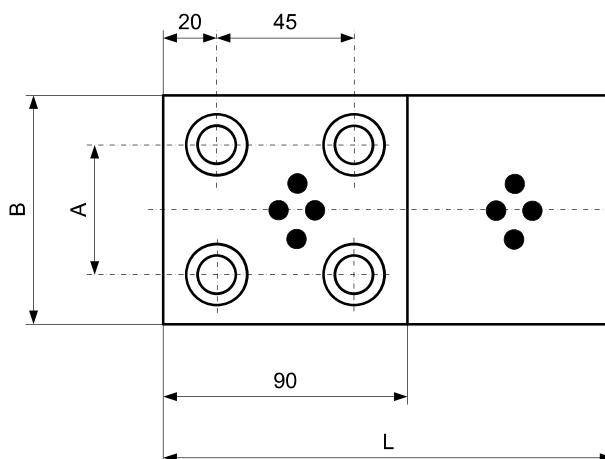
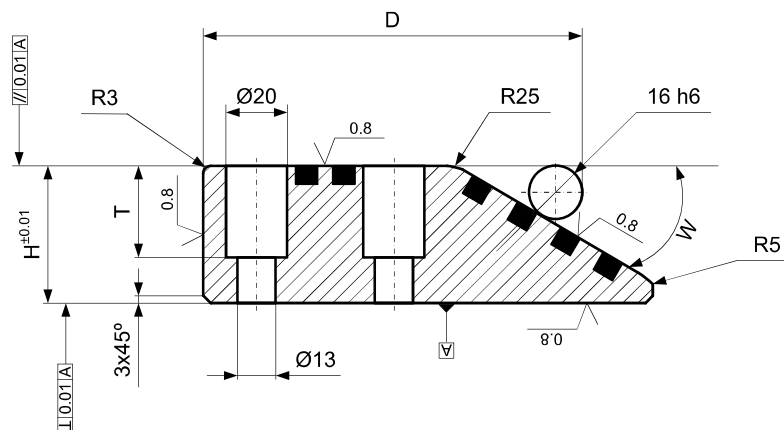
BRAZ + GRAFIT
BRONZE + GRAPHITE
HB > 190

Jak zamówić / How to order

Symbol: CA12.12545170

Śruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A	B	D	H	L	T	W
CA12.10045150	60	100	127,86	45	150	30	30°
CA12.12545150	85	125	127,86	45	150	30	30°
CA12.15045150	110	150	127,86	45	150	30	30°
CA12.10045170	60	100	143,37	45	170	30	20°
CA12.12545170	85	125	143,37	45	170	30	20°
CA12.15045170	110	150	143,37	45	170	30	20°
CA12.10060170	60	100	127,86	60	170	45	30°
CA12.12560170	85	125	127,86	60	170	45	30°
CA12.15060170	110	150	127,86	60	170	45	30°

KLINY STALOWE

STEEL WEDGES

VDI 3357

CA13

Materiał / Material

X155CrVMo121KU

Twardość / Hardness

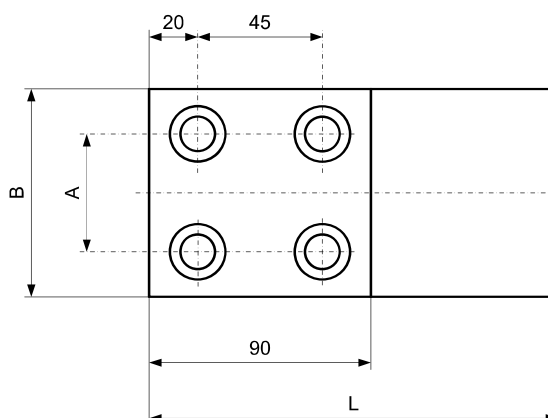
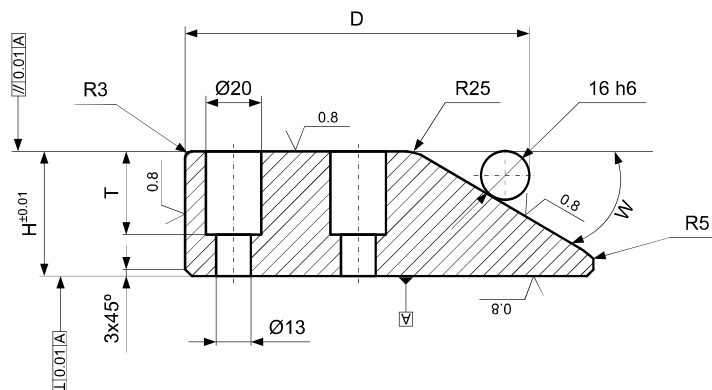
58 ÷ 62 HRC

Jak zamówić / How to order

Symbol: CA13.12545170

Sruby V8 / V12 str. J144
Screws V8 / V12 page J144

Inne wymiary na żądanie
Other dimensions on demand



Symbol	A	B	D	H	L	T	W
CA13.10045150	60	100	127,86	45	150	30	30°
CA13.12545150	85	125	127,86	45	150	30	30°
CA13.15045150	110	150	127,86	45	150	30	30°
CA13.10045170	60	100	143,37	45	170	30	20°
CA13.12545170	85	125	143,37	45	170	30	20°
CA13.15045170	110	150	143,37	45	170	30	20°
CA13.10060170	60	100	127,86	60	170	45	30°
CA13.12560170	85	125	127,86	60	170	45	30°
CA13.15060170	110	150	127,86	60	170	45	30°

Elementy prowadzące do tłoczników