

Rollers

with Bearings/Long Pipe Straight/Crowned(No Lining)

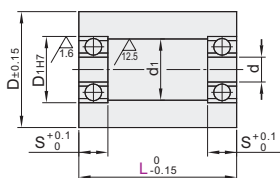
with Bearings

Code		Material		Surface Treatment	
Straight	Crowned	Core	Lining	Bearing	
QAC02	QAC12	S45C	—	Steel	Electroless Nickel Plating
QAC21	QAC31	SUS304	—	Steel	—
QAC41	QAC51	A5052	—	Steel	Clear Anodize

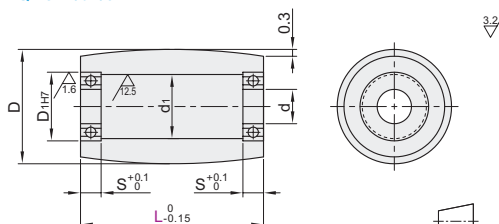


Self-made

Straight
QAC02/21/41



Crowned
QAC12/31/51



The first perspective

Part Number		L	D	d	D ₁ (H7)	d ₁	S	Use Bearings							
Code	No.														
Straight QAC02 QAC21 QAC41	Crowned	20	20	d	D ₁ (H7)	d ₁	S	Use Bearings							
		25	15	20	25	30	40	50	25	6	15	9.8	5	696ZZ×2	
		30							30	8	19	14.8	6	698ZZ×2	
		35A									22		7	608ZZ×2	
		35	20	25	30	40	50		35	10	22	17.8	6	6900ZZ×2	
		40A									26		8	6000ZZ×2	
		40	20	25	30	40	50		40		28	23.8		8	6001ZZ×2
		50A									32		10		6201ZZ×2
		50	20	25	30	40	50	100	50	15	32	27.8	9		6002ZZ×2

When No. 50A and L=20, the corresponding value of S is 8, and the applicable bearing is 6001ZZ×2.



Please order as shown

Part Number		No.		L		D
Code						
QAC02	QAC12	30		20	25	30
QAC21	QAC31	35		25	30	40
QAC41	QAC51	35		25	30	40

QAC02—35A—L30



Discount price		Per		1~9		10~	
Price	100%	Additional quotation					



Delivery		8	
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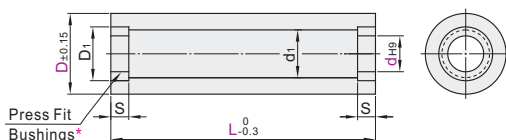
Long Pipe

Code	Type	Material		Surface Treatment	Hardness
		Core	Lining		
QAL01	Straight	A5052	—	Clear Anodize	—
QAP01	Straight	A5052	—	Clear Anodize	—
QAP21	Set Screw Type	Steel	—	Electroless Nickel Plating	—
QAP41	Set Screw Type	SUS304	—	—	—

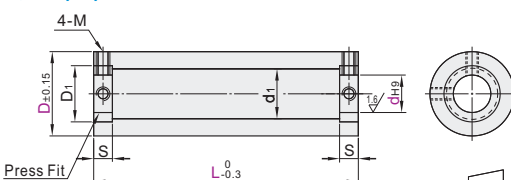


Self-made

Straight
QAL01



Set Screw Type
QAP01/21/41



The first perspective

*The bushing is made of aluminum alloy, not an oil-free bushing.

Part Number		d _{H9}		L		d ₁		D ₁	S	M
Code	D					QAL01	QAP01			
Straight QAL01	30	8	50	15	14.8	15.5	17.8	22		
		10	80							
		12	100							
		12	150							
	40	15	150	17	16.8	22.5	21.8	33	10	M4
		20	200	22	21.8					
	50	20	250	27	26.8	29.8	27.8	40		M5
		25	300							
	60	25	350	32	31.8	—	—	45		M6
		30	400							
Set Screw Type QAP01 QAP21 QAP41	80	25	450	41	40.8	—	—	55	15	M8
		30	500							
		35								



Please order as shown

Part Number		No.		L		D
Code						
QAP01	QAP21	30		8	100	
QAP01	QAP21	30		10	150	

QAP01—D30—d10—L150



Discount price		Per		1~9		10~	
Price	100%	Additional quotation					



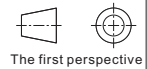
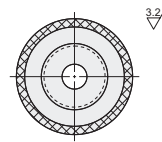
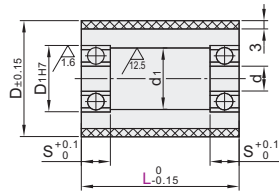
Delivery		8	
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Lining Thickness Fixed ▶ Straight(with Lining)

Rollers

Code	Type	Material			Surface Treatment	Hardness
		Core	Lining	Bearing		
QAC22	Straight	SUS304	Urethane	Steel	—	Shore A95
QAC23			(Natural Color)	Stainless Steel		Shore A90
QAC24			Silicon Rubber			Shore A70
QAC25			(Light Gray)			Shore A50
QAC26			NBR(Black)			Shore A60
QAC27		A5052	Urethane	Steel		Shore A95
QAC28			(Natural Color)			Shore A90
QAC42			Silicon Rubber			Shore A70
QAC43			(Light Gray)			Shore A50
QAC44			NBR(Black)			Shore A60

① Urethane may discolor over time, but there is no effect on physical properties.



The first perspective

Part Number		L	D	d	D1(H7)	d1	S	Use Bearings
Code	No.							
QAC22	QAC42	20	20	6	10	8	3	676ZZ×2
QAC23	QAC43	25	25	6	15	9.8	5	696ZZ×2
QAC24	QAC44	30	30	8	19	14.8	6	698ZZ×2
QAC25	QAC45	35A	35	10	22	17.8	7	608ZZ×2
QAC26	QAC46	35	35	10	26	17.8	6	6900ZZ×2
QAC27	QAC47	40A	40	12	28	23.8	8	6000ZZ×2
QAC28	QAC48	40	40	12	28	23.8	10	6001ZZ×2
		50A	50	15	32	27.8	9	6002ZZ×2
		50	50	15	32	27.8	9	6002ZZ×2

① When No. 50A and L=20, the corresponding value of S is 8, and the applicable bearing is 6001ZZ×2.



Optional Processing

Code	Spec.
EP	Change to Black Anti-static Urethane Ordering Code: EP ① Change ordinary urethane to anti-static urethane. ② Surface resistance values of polyurethane with hardness Shore A90 and Shore A70 are $10^4 \sim 10^6 \Omega \cdot M$. ③ Surface resistance value of polyurethane with hardness of Shore A50 is $10^4 \sim 10^5 \Omega \cdot M$.

① Optional processing is only applicable to codes that lining material is urethane.



Please order as shown

Part Number		L	D
Code	No.		
QAC22	30	20 25 30 40 50	30
QAC23	35A	25 30 40 50	35

QAC23 — 35A — L30

Optional Processing

Part Number		L	Optional Processing Code
Code	No.		
QAC22	30	20 25 30 40 50	EP
QAC23	35A	25 30 40 50	

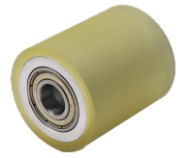
QAC23 — 35A — L30 — EP



Discount price	
Per	1~9
Price	100%
Additional quotation	



Delivery 8

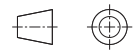
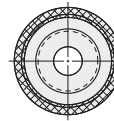
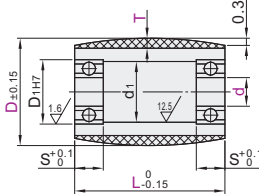
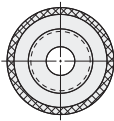
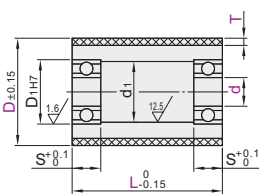


Code		Material			Hardness
Straight	Crowned	Core	Lining	Bearing	
QAF31	QAF61	SUS304	Urethane (Natural Color)	Steel	Shore A90
QAF32	—				Shore A70
QAF33	—				Shore A50
QAF41	QAF71	A5052			Shore A90
QAF42	QAF72				Shore A70
QAF43	QAF73				Shore A50

① Urethane may discolor over time, but there is no effect on physical properties.

Straight
QAF31/32/33/41/42/43

Crowned
QAF61/71/72/73



The first perspective

Part Number	D	d	L	T	D1	d1	S	Use Bearings
Code			10 mm Increment					
Straight	40	8	20~50	5	19	14.8	6	698ZZ×2
		10			22	17.8		6900ZZ×2
		12			28	23.8		6001ZZ×2
	50	15	30~100	5	32	27.8	9	6002ZZ×2
		12			28	23.8	8	6001ZZ×2
		15			32	27.8	9	6002ZZ×2
Crowned	60	15	30~100	5	32	27.8	9	6002ZZ×2
		20			42	25.8	12	6004ZZ×2
		15			32	27.8	9	6002ZZ×2
	80	20	30~100	5	42	25.8	12	6004ZZ×2
		25			47	40.8		6005ZZ×2
		20			42	35.8		6004ZZ×2
	100	25		10	47	40.8	13	6005ZZ×2
		30			55	47.8		6006ZZ×2



Optional Processing

Code	Spec.
EP	Change to Black Anti-static Urethane
	① Change ordinary urethane to anti-static urethane. ② Surface resistance values of polyurethane with hardness Shore A90 and Shore A70 are $10^4 \sim 10^5 \Omega \cdot M$. ③ Surface resistance value of polyurethane with hardness of Shore A50 is $10^4 \sim 10^5 \Omega \cdot M$.
EQ	Change to R5 rounded corners at both ends of the lagging part
	① Change the right angles at both ends of the polyurethane lagging part to R5 rounded corners at both ends ② EQ is only applicable to QAF31~43 straight-column polyurethane codes.



Please order as shown

Part Number	d	L	T
Code	D		
QAF31	40	8	20~50
QAF32	50	10	20~100

QAF31—D40—d8—L30—T5

Optional Processing

Part Number	d	L	T	Optional Processing Code
Code	D			
QAF31	40	8	20~50	EQ
QAF32	50	10	20~100	

QAF31—D40—d8—L30—T5—EQ



Discount price
Per 1~9 10~
Price 100% Additional quotation



Delivery
8

with Grooved/Set Screw Type ▶

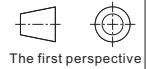
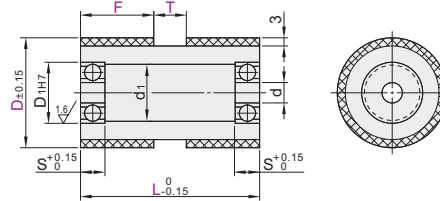
Straight(with Lining)

Rollers

with Grooved

Code	Type		Material			Hardness
			Core	Lining	Bearing	
QAJ21	with Grooved	with Bearing	A5052	Urethane (Natural Color)	Steel	Shore A90

Urethane may discolor over time, but there is no effect on physical properties.



Part Number		1 mm Increment				d	D _{H7}	d ₁	S	Use Bearings
Code	D	L	F	T						
QAJ21	25					6	15	9.8	5	696ZZ×2
	30	15~50	0~48	0~48		8	19	14.8	6	698ZZ×2
	35					10	22	17.8		6900ZZ×2
	40	20~100				12	28	23.8	8	6001ZZ×2
	50		2~98	2~98		15	32	27.8	9	6002ZZ×2



Code	Spec.
EP	Change to Black Anti-static Urethane Ordering Code EP Change ordinary urethane to anti-static urethane. Surface resistance values of polyurethane with hardness Shore A90 is 10¹⁰~10¹¹ Ω · M.



Part Number		1mm Increment		
Code	D	L	F	T
QAJ21	25	15~50	0~48	0~48
	30			

QAJ21—D25—L30—F10—T5

Optional Processing

Part Number		1mm Increment			Optional Processing Code
Code	D	L	F	T	
QAJ21	25	15~50	0~48	0~48	EP
	30				

QAJ21—D25—L30—F10—T5—EP



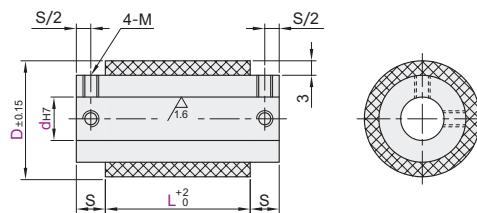
Discount price
Per 1~9 10~
Price 100% Additional quotation

Delivery
8

Set Screw Type

Code	Type		Material		Hardness
			Core	Lining	
QAG01	Set Screw Type	Straight Type	SUS304	Urethane (Natural Color)	Shore A90
QAG02					Shore A70
QAG21					Shore A90
QAG22			A5052		Shore A70
QAG23					Shore A50

Urethane may discolor over time, but there is no effect on physical properties.



Part Number		d _{H7}		L	S	M
Code	D					
QAG01	20	8		15 20 25 30 40 50		M3
QAG02	25	8 10 12				
QAG21	30	8 10 12 15		15 20 25 30 40 50 100	8	
QAG22	35					M4
QAG23	40	10 12 15		20 25 30 40 50 100		
	50	12 15			10	M5



Code	Spec.
EP	Change to Black Anti-static Urethane Ordering Code EP Change ordinary urethane to anti-static urethane. Surface resistance values of polyurethane with hardness Shore A90 and Shore A70 are 10¹⁰~10¹¹ Ω · M. Surface resistance value of polyurethane with hardness of Shore A50 is 10¹⁰~10¹¹ Ω · M.



Part Number	d	L
Code	D	
QAG01	25	8 10 12 15 20 25
QAG02	30	8 10 12 15 15 20 25

Optional Processing

Part Number	d	L	Optional Processing Code
Code	D		
QAG01	25	8 10 12 15 20 25	EP
QAG02	30	8 10 12 15 15 20 25	EP

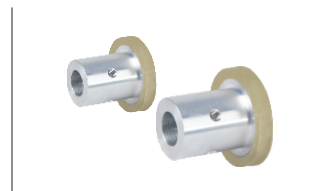


Discount price
Per 1~9 10~
Price 100% Additional quotation

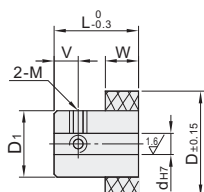
Delivery
8

Code	Type		Material		Hardness
			Core	Lining	
QBF01	Stepped Type	Set Screw Type	SUS304	Urethane (Natural Color)	Shore A90
QBF02					Shore A70
QBF03					Shore A50

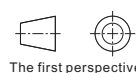
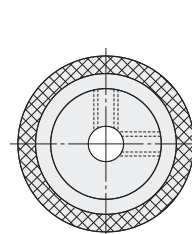
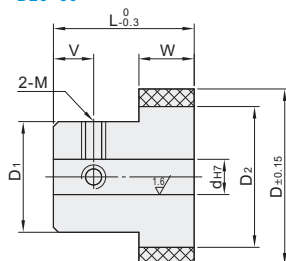
- ① Urethane may discolor over time, but there is no effect on physical properties.
 ② Urethane is baked on the outer circumference of the core material.



D15/20



D25~50



Part Number		D	d	D1	D2	V	L	W	M
Code	No.								
QBF01 QBF02 QBF03	15	15	4	10	—	3	12	6	3
	15A		5						
	20		4						
	20A	20	5	16	20	6	20	8	4
	25		6						
	25A		8						
	30	30	6	24	28	7.5	25	10	4
	30A		8						
	35		10						
	35A	35	8	25	36	7.5	25	10	4
	40		10						
	40A		12						
	50	50	12	30	42				
	50A								



Optional Processing

Code	Spec.
EP	Change to Black Anti-static Urethane Ordering Code: EP ① Change ordinary urethane to anti-static urethane. ② Surface resistance values of polyurethane with hardness Shore A90 and Shore A70 are $10^3 \sim 10^6 \Omega \cdot M$. ③ Surface resistance value of polyurethane with hardness of Shore A50 is $10^3 \sim 10^6 \Omega \cdot M$.



Please order as shown

Part Number		D	d
Code	No.		
QBF01	15	15	4
QBF02	15A		5

QBF01—15

Optional Processing

Part Number		Optional Processing Code
Code	No.	
QBF01	15	EP
QBF02	15A	

QBF01—15—EP



Discount price			
Per	1~9	10~	Additional quotation
Price	100%		



Delivery
8

with Keyway/Tapped Type with Keyway

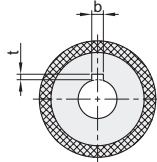
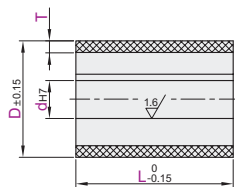
Straight(with Lining)

Rollers

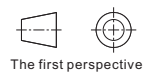
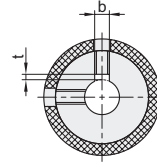
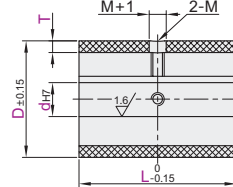
Code		Material		Hardness
with Keyway	Tapped Type with Keyway	Core	Lining	
QAK01	QAK21	SUS304	Urethane (Natural Color)	Shore A90
QAK02	QAK22			Shore A70
QAK03	—			Shore A50
QAK04	QAK24	A5052		Shore A90
QAK05	QAK25			Shore A70
QAK06	QAK26			Shore A50

Urethane may discolor over time, but there is no effect on physical properties.

With Keyway
QAK01/02/03/04/05/06



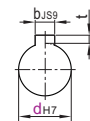
Tapped Type with Keyway
QAK21/22/24/25/26



The first perspective

Part Number		dH7		L	T	M
Code	D			1 mm Increment		
with Keyway	20	8				
	25	8 10 12				
Tapped Type with Keyway	30	8 10 12 15				M3
	35	10 12 15 20			3	
QAK01	QAK21	35		20~100		M4
QAK02	QAK22	40				
QAK03	QAK24	50				
QAK04	QAK25	50A				
QAK05	QAK26	60			5	M5
		80	15 20 25		10	
QAK06		100	20 25 30			M6

Keyway Dimensions



Shaft Hole Dia. d	b		t	
	Reference Diameter	Tolerance (JS9)	Reference Diameter	Tolerance
8	3	±0.0125	1.4	
10	4		1.8	+0.1 0
12	5	±0.0150	2.3	
15	6		2.8	
20	8	±0.0180	3.3	+0.2 0
25				
30				



Optional Processing

Code	Spec.
EP	Change to Black Anti-static Urethane Ordering Code EP Change ordinary urethane to anti-static urethane. Surface resistance values of polyurethane with hardness Shore A90 and Shore A70 are $10^4 \sim 10^8 \Omega \cdot M$. Surface resistance value of polyurethane with hardness of Shore A50 is $10^4 \sim 10^8 \Omega \cdot M$.



Please order as shown

Part Number	Code	D	dH7	L	T
QAK01	20	8		20~100	3
QAK02	25	8 10 12			
QAK02 — D25 — d10 — L20 — T3					

Optional Processing

Part Number	Code	D	dH7	L	T	Optional Processing Code
QAK01	20	8		20~100	3	EP
QAK02	25	8 10 12				
QAK02 — D25 — d10 — L20 — T3 — EP						



Discount price		
Per	1~9	10~
Price	100%	Additional quotation



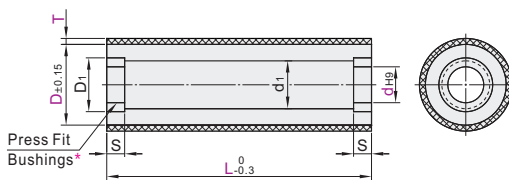
Delivery	
8	

Code	Type	Material		Hardness
		Core	Lining	
QAL02	Straight	A5052	Urethane (Natural Color)	Shore A90
QAL03				Shore A70
QAP02	Shore A90			
QAP03	Shore A70			
QAP04	Shore A50			
	Set Screw Type			

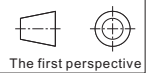
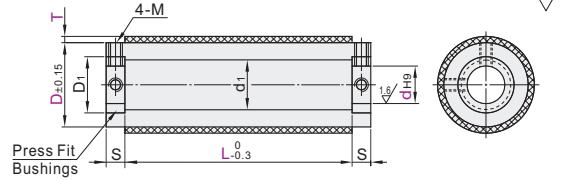
① Urethane may discolor over time, but there is no effect on physical properties.



Straight
QAL02/03



Set Screw Type
QAP02/03/04



The first perspective

Part Number		T	dH9	L	d1		D1	S	M
Code	D	Urethane Thickness			QAL02/03	QAP02/03/04			
Straight QAL02 QAL03	30		8	50	15	14.8	22	10	M4
			10	80					
			12	100					
	40	3	15	150	17	16.8	33		
			20	200	22	21.8			
Set Screw Type QAP02 QAP03 QAP04	50	5	20	250	27	26.8	40		M5
			25	300					
	60	10	25	350	32	31.8	45		M6
			30	400					
			25	450					
	80		30	450	41	40.8	55	15	M8
			35	500					



Optional Processing

Code	Spec.
EP	Change to Black Anti-static Urethane Ordering Code: EP ① Change ordinary urethane to anti-static urethane. ① Surface resistance values of polyurethane with hardness Shore A90 and Shore A70 are $10^6 \sim 10^8 \Omega \cdot M$. ① Surface resistance value of polyurethane with hardness of Shore A50 is $10^7 \sim 10^9 \Omega \cdot M$.



Please order as shown

Part Number	T	d	L
Code	D		
QAP02	30	3	8
QAP03	30	5	100

QAP02—D30—T5—d10—L150

Optional Processing

Part Number	T	d	L	Optional Processing Code
Code	D			
QAP02	30	3	8	EP
QAP03	30	5	100	

QAP02—D30—T5—d10—L150—EP



Discount price		
Per	1~9	10~
Price	100%	Additional quotation



Delivery

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