

Steel Ball Rollers

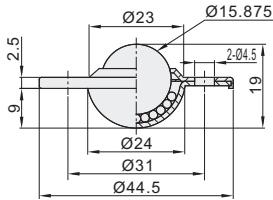
◀ Press Formed

Flange Type

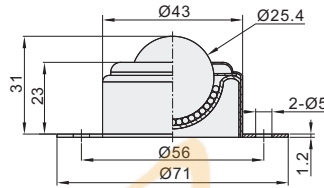
Code	Type	Main Body Material	Ball Material	Surface Treatment
		GB	Equiv.	
QDA01	Flange Type Standard Type	08AL	SPCC	Carbon Steel
				Zinc-Plated



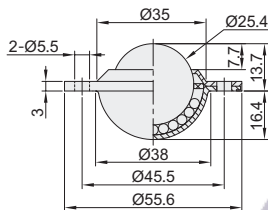
QDA01-16



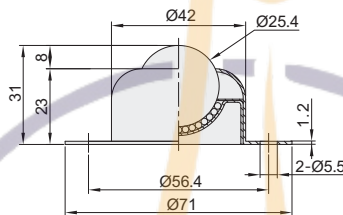
QDA01-25



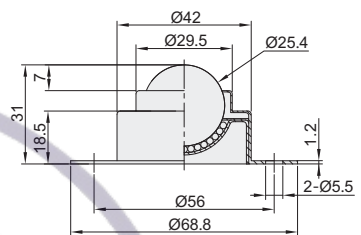
QDA01-25A



QDA01-25B



QDA01-25C



The first perspective

Part Number		Single Load (kg)	Allowable Load(kg)	Main Body Weight(g)
Code	No.			
QDA01	16	10	15	40
	25			130
	25A			150
	25B	25	30	
	25C			130



Please order as shown

Part Number	
Code	No.
QDA01	16
QDA01	25
QDA01—25	



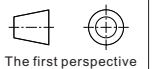
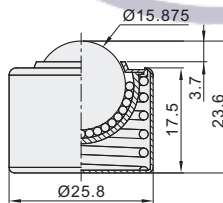
Discount price	
Per	Additional quotation
1~49	50~
Price 100%	Price 100%



Delivery	
6	

Press-Fit

Code	Type	Main Body Material	Ball Material	Surface Treatment
		GB	Equiv.	
QDB01	Press-Fit Standard Type	08AL	SPCC	Carbon Steel
				Zinc-plated



The first perspective

Part Number		Single Load (kg)	Allowable Load (kg)	Main Body Weight (g)
Code	No.			
QDB01	15	8	8~11	35



Please order as shown

Part Number	
Code	No.
QDB01	15
QDB01—15	



Discount price	
Per	Additional quotation
1~99	100~
Price 100%	Price 100%

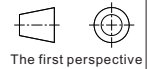
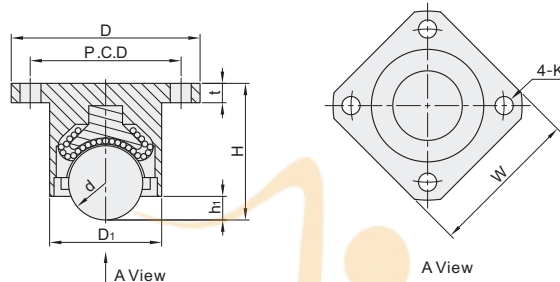


Delivery	
6	

Flange Type

Code	Type	Main Body		Strike Plate		Main Ball		Sub Ball		Dust-Proof Seal
		Material	Surface Treatment	Material	Hardness	Material	Hardness	Material	Hardness	
QDC31	Flange Type Face Downward Type	S45C	Electroless Nickel Plating	SCM415	HRC55~	SUJ2	HRC55~	SUJ2	HRC55~	Felt

Can be used balls facing downward.



Part Number		D	D1	h1	H	d	t	P.C.D	W	K	Allowable Load N(kgf)
Code	No.										
QDC31	40	40	24	5	29	15.875	4	32	32	4.5	900(90)
	50	50	30	6	34	19.05	5	40	40	5.5	1100(110)
	60	60	38	8	45	25.4	6	49	48	6.5	1200(120)



Part Number		D
Code	No.	
QDC31	40	40
	50	50
	60	60

QDC31—50



Discount price	
Per	10~
Price	100% Additional quotation



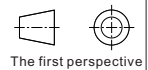
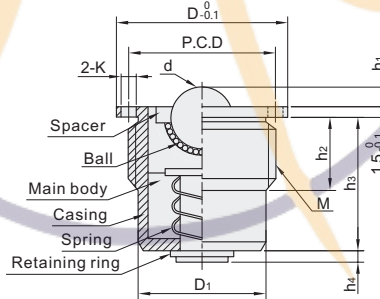
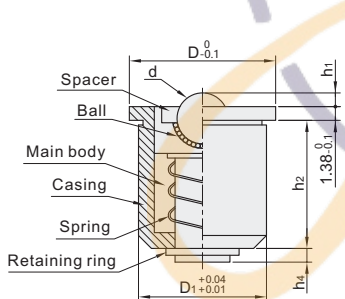
Delivery	
14	

Press-Fit

Code	Type	Material					
		Main Body	Spacer	Ball	Casing	Retaining Ring	Spring
QDF01	Plunger Type						
QDF02	Threaded Type	SUS304	SUS304	SUS440C (HRC55~)	SUS304	SUS304	SUS631J1

Plunger Type
QDF01

Threaded Type
QDF02



Part Number		D	D1	h1	h2	h4	d	Allowable Load N(kgf)	
Code	No.							min	max
Plunger Type QDF01	14	16	14	1.5	14	1.5	5.56	23(2.3)	30(3.0)
	18	20	18	2.5	17	2	8.73	24(2.4)	38(3.8)
	22	24	22	3.5	21.5		10.32	24(2.4)	55(5.6)

Part Number		D	D1	h1	h2	h3	h4	d	M (Fine Thread)	K	P.C.D	Allowable Load N(kgf)	
Code	No.											min	max
Threaded Type QDF02	16	19	13.5	1.5	9	14	1.5	5.56	M16×1.5	2	15.4	23(2.3)	30(3.0)
	20	24	16.5	2.5	10	17	2	8.73	M20×1.5	2	18.5	24(2.4)	38(3.8)
	24	28	20.5	3.5	12	21.5		10.32	M24×1.5	2.5	24	24(2.4)	55(5.6)



Part Number		D
Code	No.	
QDF01	14	16
	18	20
	22	24

QDF01—18



Discount price	
Per	10~
Price	100% Additional quotation

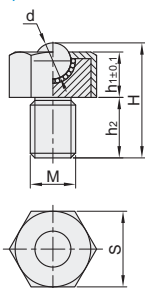


Delivery	
14	

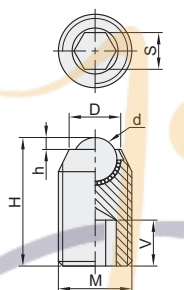
Code	Type	Main Body Material		Ball Material		Surface Treatment
		GB	Equiv.	GB	Equiv.	
QDE02	Screw Rod Type	Hex Head Bolt Type	0Cr18Ni9	SUS304	9Cr18Mo	SUS440C
QDE03		Bolt Type	—	—	POM	—
QDE17		Full Thread Type	0Cr18Ni9Cu3	SUSXM-7	9Cr18Mo	SUS440C
QDE51		Bolt Type	0Cr18Ni9	SUS304	9Cr18Mo	SUS440C



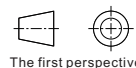
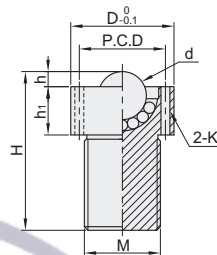
Hex Head Bolt Type
QDE02/03



Full Thread Type
QDE17



Bolt Type
QDE51



Hex Head Bolt Type

Part Number		M	H	h ₁	h ₂	d	S	Allowable Load N(kgf)	
Code	No.							QDE02	QDE03
QDE02 QDE03	5	5	12.1	5	6	4	8	12(1.2)	6(0.6)
	6	6	15.2	6	8	4.76	10	14(1.4)	7(0.7)
	8	8	18.5	7	10	5.56	13	41(4.2)	27(2.8)
	10	10	24.5	10	12	8.73	17	55(5.6)	34(3.5)
	12	12	29.5	11	15	10.32	19	62(6.3)	55(5.6)
	16	16	40.3	15	20	15.87	24	343(35)	69(7)
	20	20	49.3	18	25	19.05	30	412(42)	82(8.4)

Full Thread Type

Part Number		M	D	H	h	d	S	V	Allowable Load N(kgf)
Code	No.								
QDE17	6	6	3.5	12	0.9	3.18	3	3.5	2(0.2)
	8	8	5	14	1.3	4.76	4	5	5(0.5)
	10	10	7	16	1.2	4.76	5	6	14(1.4)
	12	12	8	20	1.5	5.56	6	8	41(4.2)
	16	16	12	25	2.5	8.73	8	10	55(5.6)
	20	20	15	30	3.5	10.32	10	12	62(6.3)

Bolt Type

Part Number		D	h	h ₁	H	d	M	P.C.D.	K	Allowable Load N(kgf)
Code	No.									
QDE51	10	18.5	2.5	10	24.5	8.73	10	15.4	2	55(5.6)
	12	22	3.5	11	29.5	10.32	12	18.5		62(6.3)
	16	27	5.3	15	40.3	15.87	16	24	2.5	343(35)
	20	33	6.3	18	49.3	19.05	20	29.6		412(42)

Bolt Type

Part Number	Code	No.	D
QDE51	10	18.5	
	12	22	
	16	27	

QDE51—12



Please order as shown





Discount price

Per	1~9	10~
Price	100%	Additional quotation



Delivery	
	14

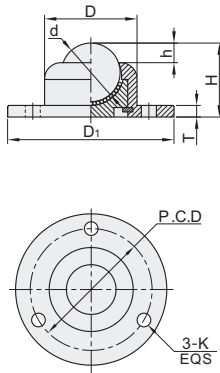
Heavy Duty Steel Ball Rollers

◀ Milled Type

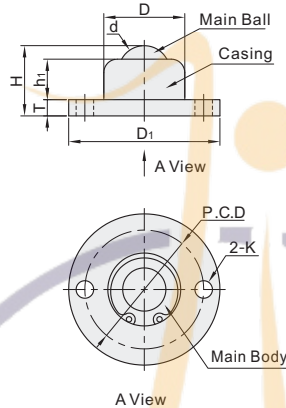
Code	Type	Material					Surface Treatment		
		Casing	Main Body	Spacer	Main Ball	Sub Ball	Main Body	Main Ball	Casing
QFC01	Flange Type	S45C	S45C	S45C					Nickel Plating
QFC02		Aluminum Alloy	SCM415	SCM415	SUJ2	SUJ2	Nickel Plating	—	Clear Anodize
QFC03									



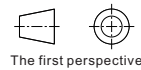
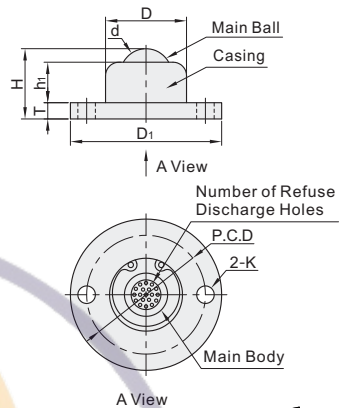
Standard(S45C)
QFC01



Standard(SCM415)
QFC02



Refuse Discharge Type
QFC03



Standard(S45C)

Part Number		D	d	H	h	T	D ₁	P.C.D	K	Single Load (kg)	Allowable Load (kg)	Main Body Weight (g)
Code	No.											
QFC01	15	30	15.87	20	4.6		54	48	5	40	50	120
	19	40	19.05	26	6.5	5	67	55	5.5	80	100	220
	25	45	25.4	32	8.5		72	58		130	150	320
	30	60	30.16	47	13	5.6	94	80	6.5	200	250	380
	38		38.1			5				250	300	810
	45	66	45	54.5	15.5	12	104	87	8	350	450	1500
	51	91	51	76	13		149	120	9	450	550	4000

Standard(SCM415)

Part Number		D	d	D ₁	h ₁	T	P.C.D	H	K	Allowable Load N(kgf)
Code	No.									
QFC02	50	30	19.05	56	15	6	44	26	6.5	588(60)
	120	42	25.4	66	23.5		54	36		1470(150)

Refuse Discharge Type

Part Number		D	d	D ₁	h ₁	T	P.C.D	H	K	Number of Refuse Discharge Holes	Allowable Load N(kgf)
Code	No.										
QFC03	50	30	19.05	56	15	6	44	26	6.5	11	588(60)
	120	42	25.4	66	23.5		54	36		14	1470(150)

Standard(S45C)

Part Number	D
Code No.	
QFC01 15	30
QFC01 19	40
QFC01 25	45

QFC01 — 19



Please order as shown



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



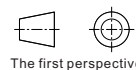
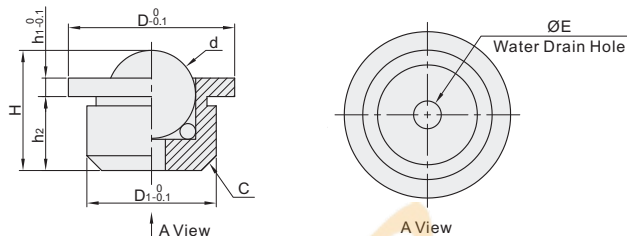
Delivery	
	14

Plastic Ball Rollers

Adhesive Type

Code	Type	Main Body/Spacer	Main Ball		Sub Ball	
			Material	Hardness	Material	Hardness

QDC23	Adhesive Type	Insertion	POM	POM	SUS440C	HRC55~
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The first perspective

Part Number		D	D1	h1	h2	d	H	E	C	Allowable Load N(kgf)
Code	No.									
QDC23	7	9	7		4	4.76	6.5	1.5	0.8	2(0.2)
	9	11	9	1	5	5.56	7.5	2.5		4(0.4)
	13	15	13		8	8.73	11.8	3.5		7(0.7)
	15	17	15		8	10.32	12.5	3.5	1	11(1.1)
	20	22	20		11.5	15.87	18.2	5.3		14(1.4)
	24	26	24	1.5	15	19.05	23.1	6.4		21(2.1)



Please order as shown

Part Number	
Code	No.
QDC23	7
	9
	13
QDC23—9	



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



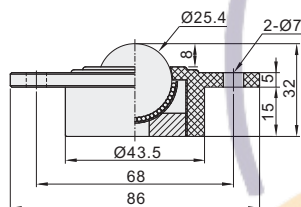
Delivery	
Per	14

Flange Type

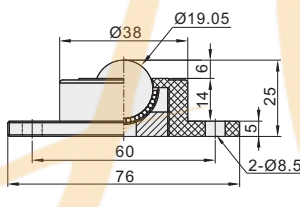
Code	Type	Main Body Material	Ball Material
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QDH01	Flange Type	Standard Type	Nylon
QDH31	Flange Type	Insertion Type	Nylon

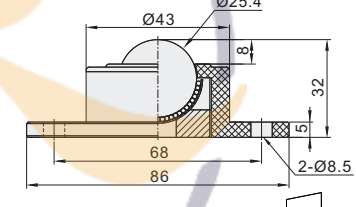
Standard Type
QDH01-25



Insertion Type
QDH31-19



Insertion Type
QDH31-25



The first perspective

Part Number		Single Load (kg)	Allowable Load (kg)	Main Body Weight (g)
Code	No.			
QDH01	25	20	25	120
	19	10	15	50
QDH31	25	20	25	120



Please order as shown

Part Number		Single Load (kg)
Code	No.	
QDH31	19	10
	25	20
QDH31—25		



Discount price	
Per	1~99 100~
Price	100% Additional quotation



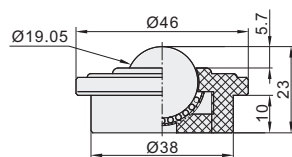
Delivery	
Per	6

Press-Fit Type

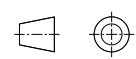
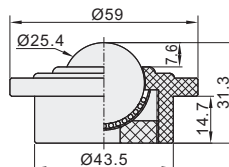
Code	Type	Main Body Material	Ball Material
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QDJ01	Press-Fit Type	Nylon	Nylon
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No. : 19



No. : 25



The first perspective

Part Number		Single Load (kg)	Allowable Load (kg)	Main Body Weight (g)
Code	No.			
QDJ01	19	10	15	50
	25	20	25	110



Please order as shown

Part Number		Single Load (kg)
Code	No.	
QDJ01	19	10
	25	20
QDJ01—25		



Discount price	
Per	1~99 100~
Price	100% Additional quotation



Delivery	
Per	6