

Ahcell

Products Catalogue



CHANGSHA SOPERB MACHINERY CO.,LTD

With over 1000 models to choose from

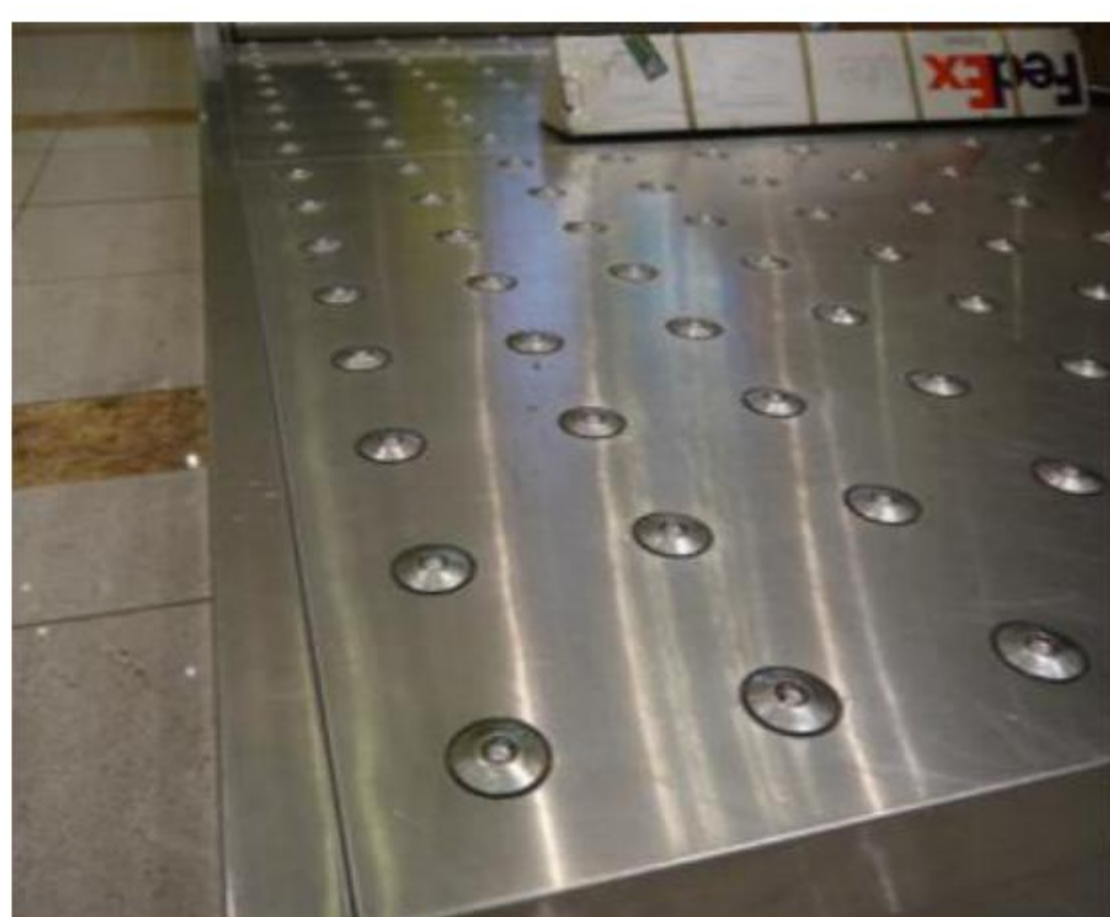


Ball Transfer Units

Ball transfer units are omni-directional load-bearing spherical balls mounted inside a restraining fixture. They are used in material handling system, semi or full automatic production system, storage system, airports for luggage delivery, or in industry as part of manufacturing systems.

The materials of them can be in carbon steel, stainless steel, harden steel, nylon or plastic or combined material to fit for different applications.

Typical applications:



We deliver

Reliable Quality

Considerate Service

Our factory is producing ball transfer units, conveyor roller bearings and lazy susan bearings. The plant is located in Dainan Twon, Taizhou City, Jiangsu Province, China. The nearest exporting seaports are Shanghai and Ningbo ports.

- We were one of the first factory developing ball transfer units in China since year 2000, (It was still named Ai-Hua  Pressed Metal Parts Factory established at year 1995).
- 2005, our main business were transmit to metal pressed ball transfer units OEM service.
- 2008, new designed machined series ball transfer units start producing and selling.
- 2009, we starting supply products to overseas customers through agents.
- 2010, apply plastic to produce ball transfer units for special industry like glass
- 2012, we increased our production line of conveyor roller bearings and conveyor skate wheel rollers.
- 2015, we made our internet online stores, to help retail customers who cannot source units from their local markets or shops.
- 2016, we register new brand "Ahcell" **Ahcell** for overseas online selling and promotion. This new brand is much easier to remember than old symbol brand.
- 2017, we add Plastic conveyor roller and steel Lazy Susan Bearings in our products line.
- 2018, we are starting new company **SOPERB** to operate both domestic and overseas business.

After years study and research, our company is a leading manufacturer and the biggest stock-list supplier on ball transfer units in China now.

More than 30 distributors in China and overseas are cooperated with us, our products models are well known as industry common codes for ball transfer units.

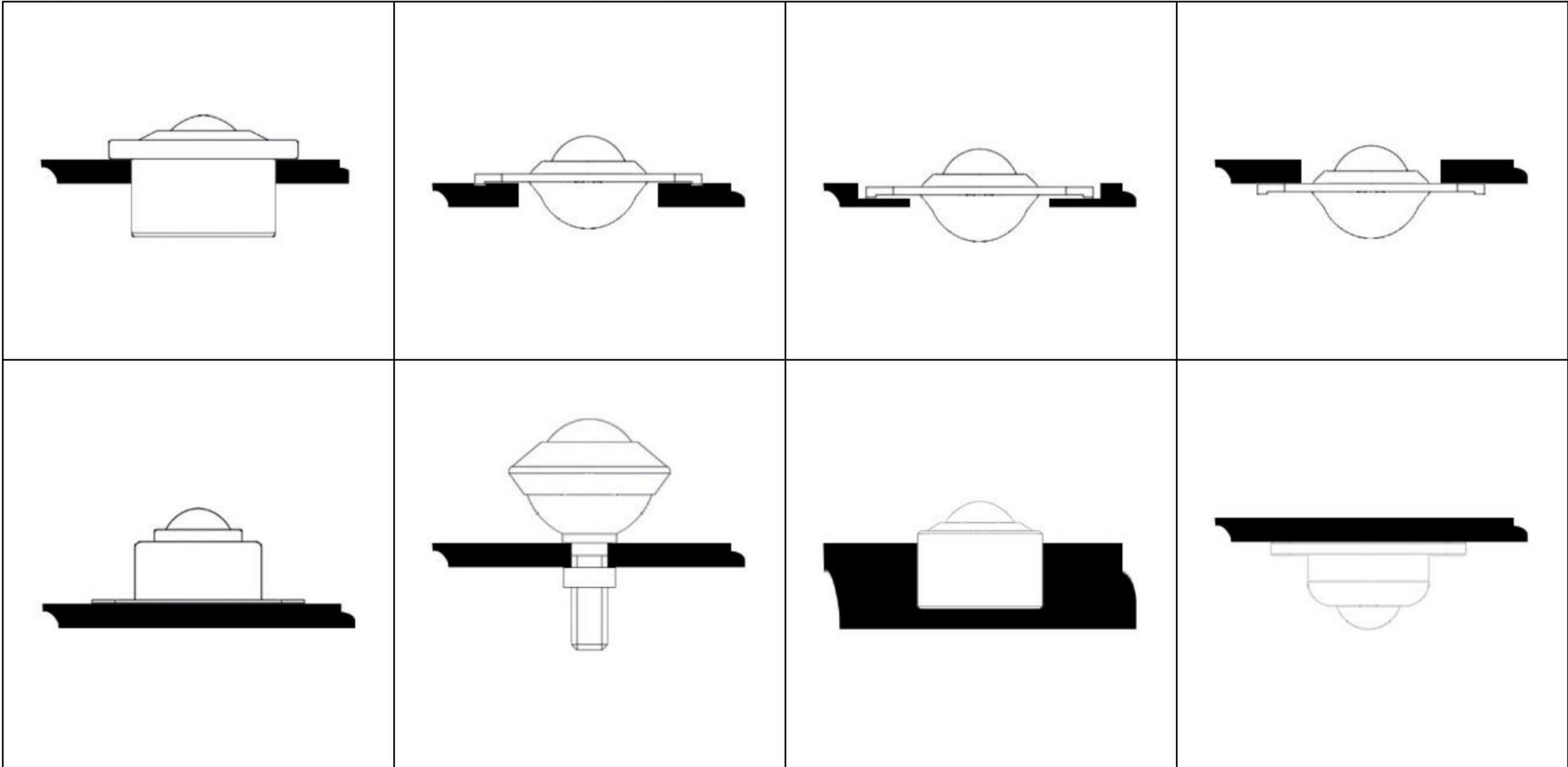
There are over 1000 models ball transfer units in our standard production list, and over 200 popular models with stock to supply. Also many customers will order customized design units every year.

In the future we will bring more products and benefits to our customers.

We sincerely welcome you to cooperate with us so as to create a prosperous cooperation for our mutual benefit.



● **Typical ball transfer units installing ways**



● **Typical installation tools**

	Suitable for
DIN 471 Circlips	Base stud types like CY-H,SP
Bolt or screw	Flange types like CY-A,CY-B,IA,IS,SD,SI,NL-A,NL-B
Tolerance Ring	Stud types like KSM,CY-C,CY-H,SP,NL-A,NL-C
Rivet	Light flange types like CY-A,CY-B
Nut	Bolt types like CY-D,CY-F,SP-FL,KSM-FL
Sticker	Flat base types like SP,KSM,NL-A
Welding	Zinc plated types like CY-A,CY-B,CY-F,CY-H

● **Material Codes**

CS/CS	Carbon steel ball, Carbon steel housing with Zinc Plated
BS/CS	Bearing Steel Ball, Carbon steel housing with Nickel Plated
PL/CS	POM Plastic ball, Carbon steel housing with Zinc or Nickel Plated
SS/CS	304 Stainless steel ball, Carbon steel housing
SS/SS	Full 304 stainless steel
PL/PL	POM plastic ball, POM or ABS plastic housing
SS/PL	304 Stainless steel ball, POM or ABS Plastic housing
S4/SS	440 Stainless steel ball, 304 Stainless steel housing
S6/S6	Full 316 stainless steel

● **Ordering**

Model - Material Code x Quantity

Minimum 1 piece to order in our online store: ahcell.aliexpress.com
(Payable by Paypal and Credit Card)

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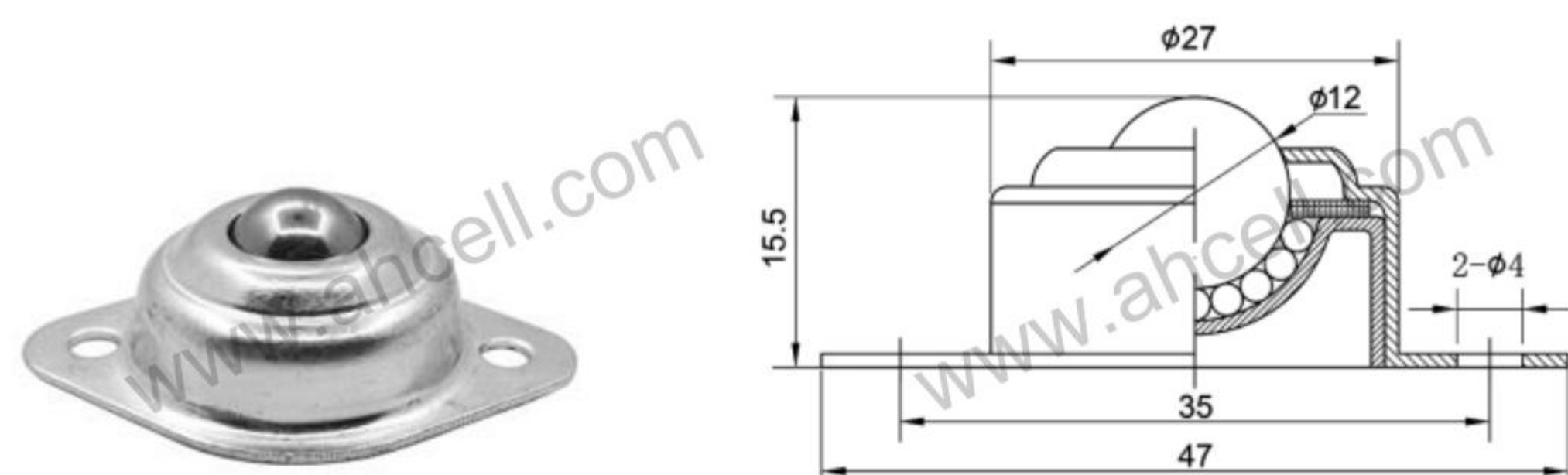
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Telescopic Slide Series (SG)

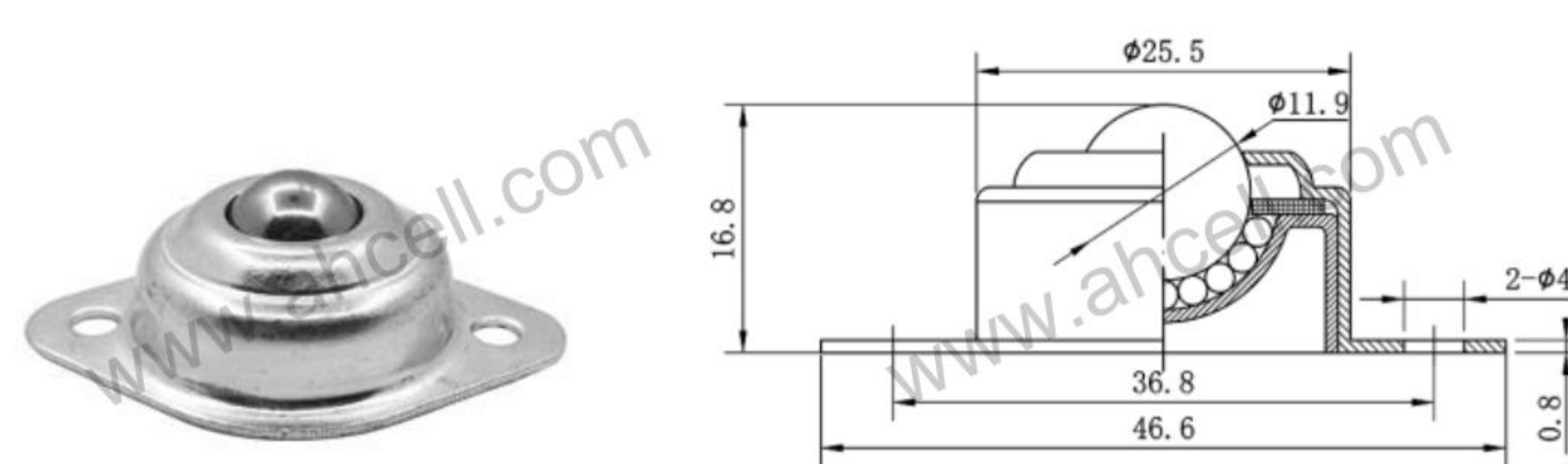
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Pressed Metal Series

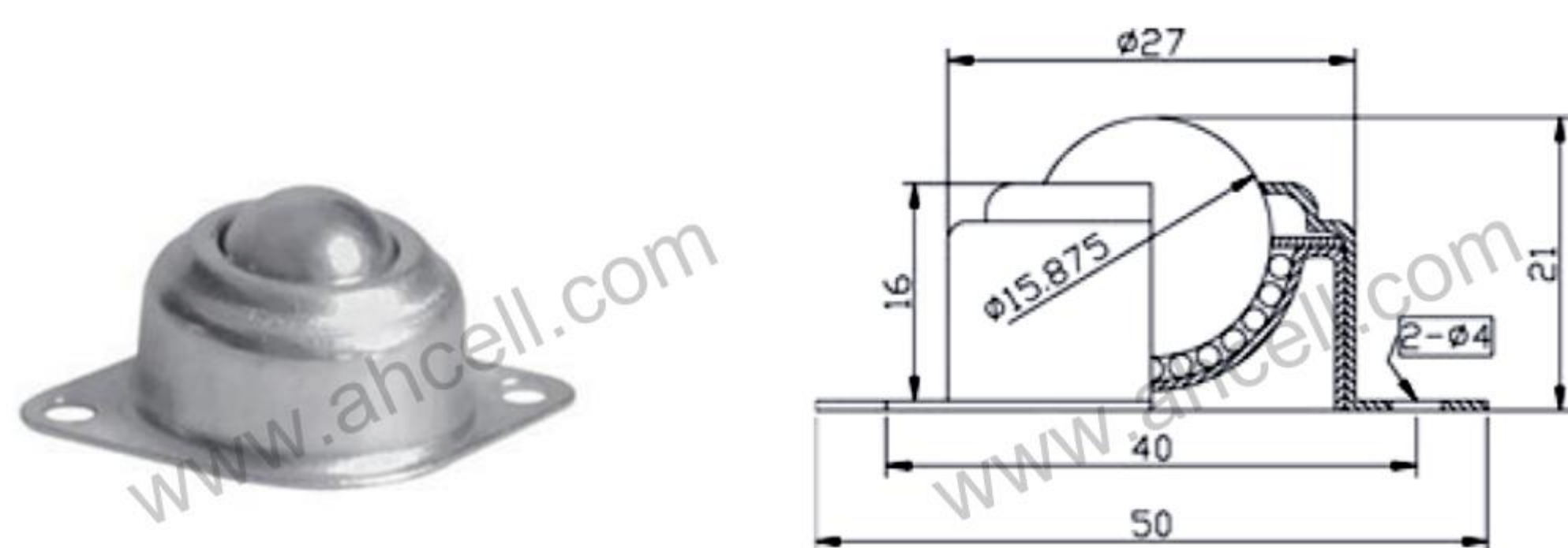
Available materials: CS/CS, NL/CS, SS/SS,SS/CS,NL/SS



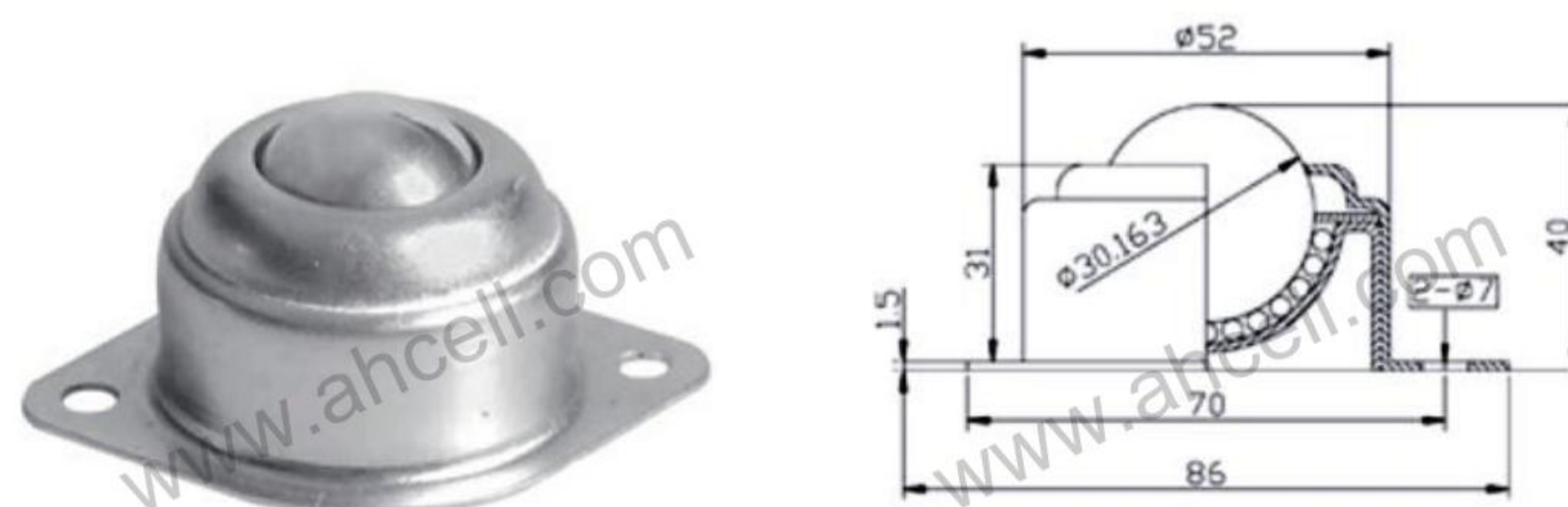
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-12A	7	10	0.029



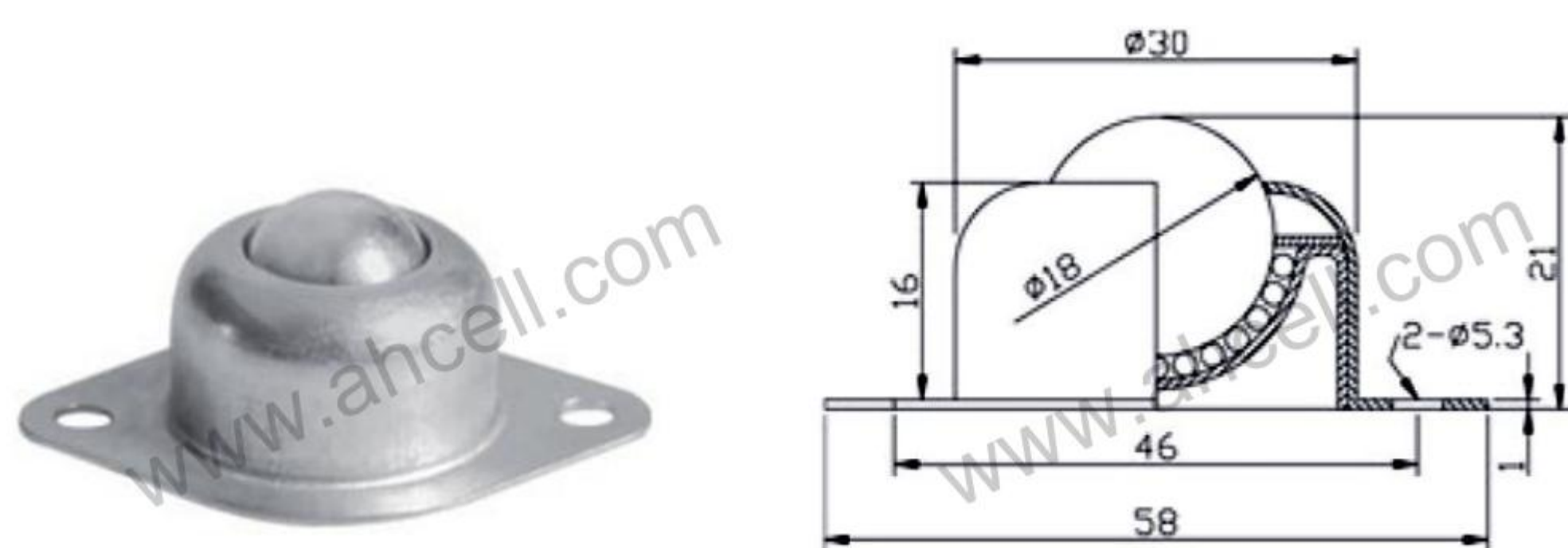
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-12A-2	7	10	0.032



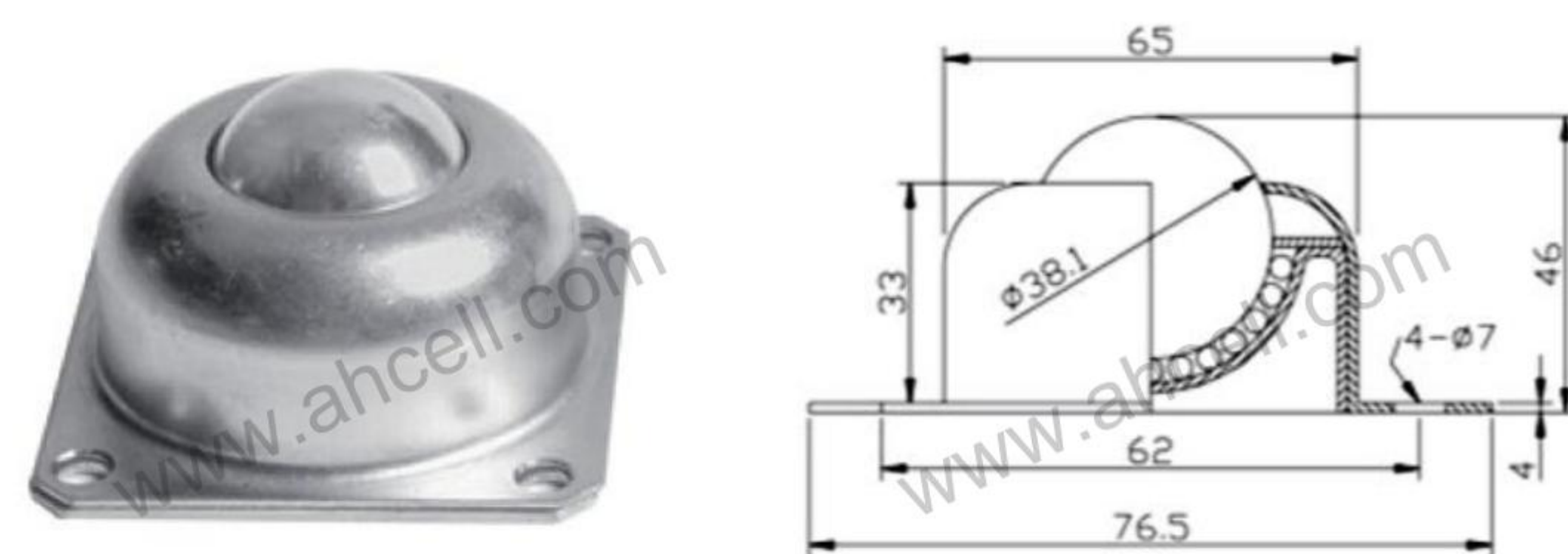
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-15A	10	15	0.041



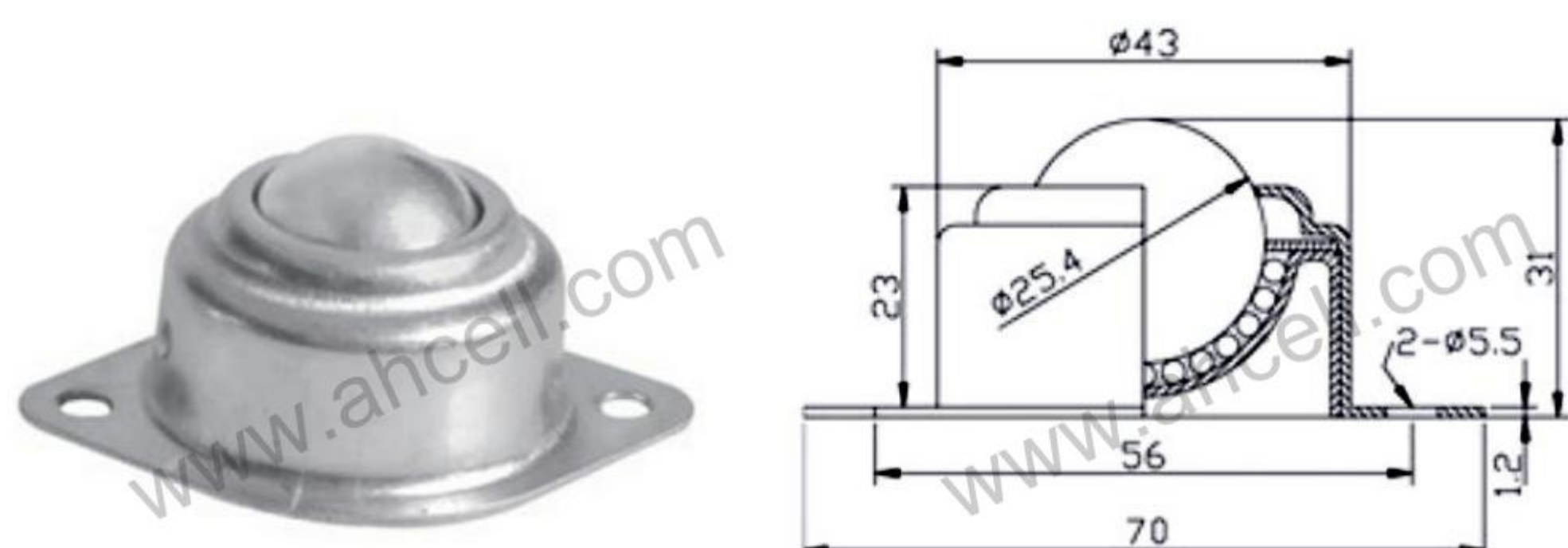
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-30A	40	50	0.240



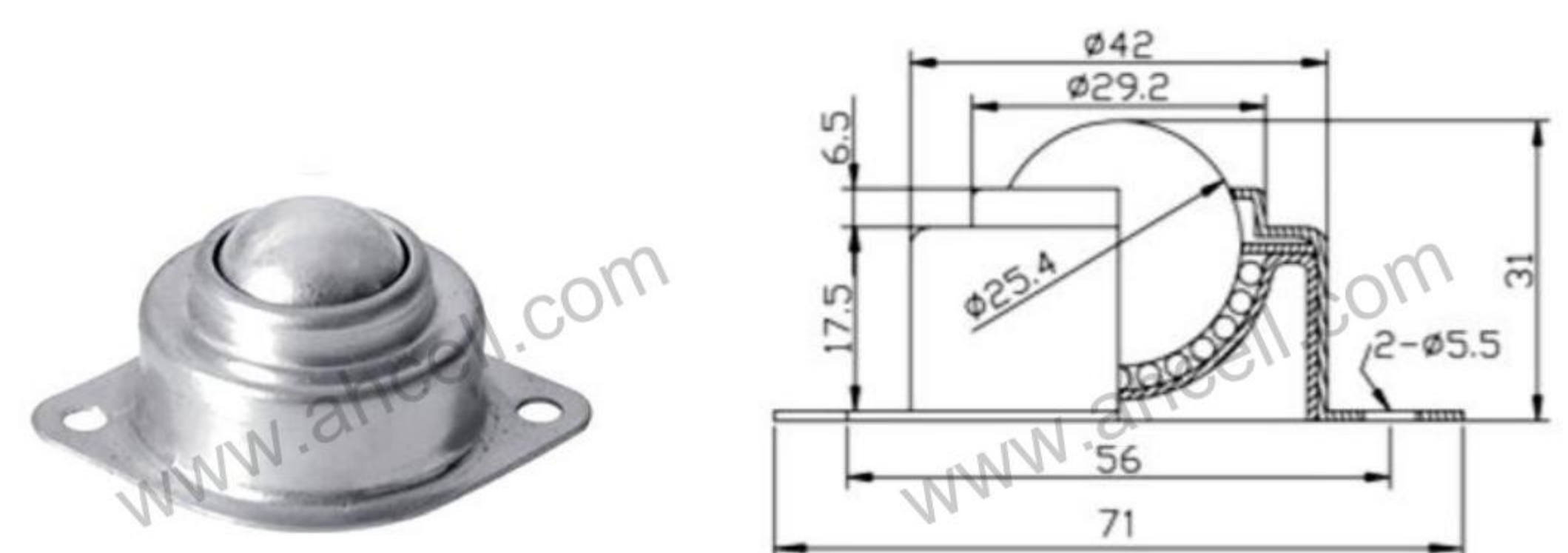
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CY-18A	20	25	0.048



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-38A	60	80	0.460



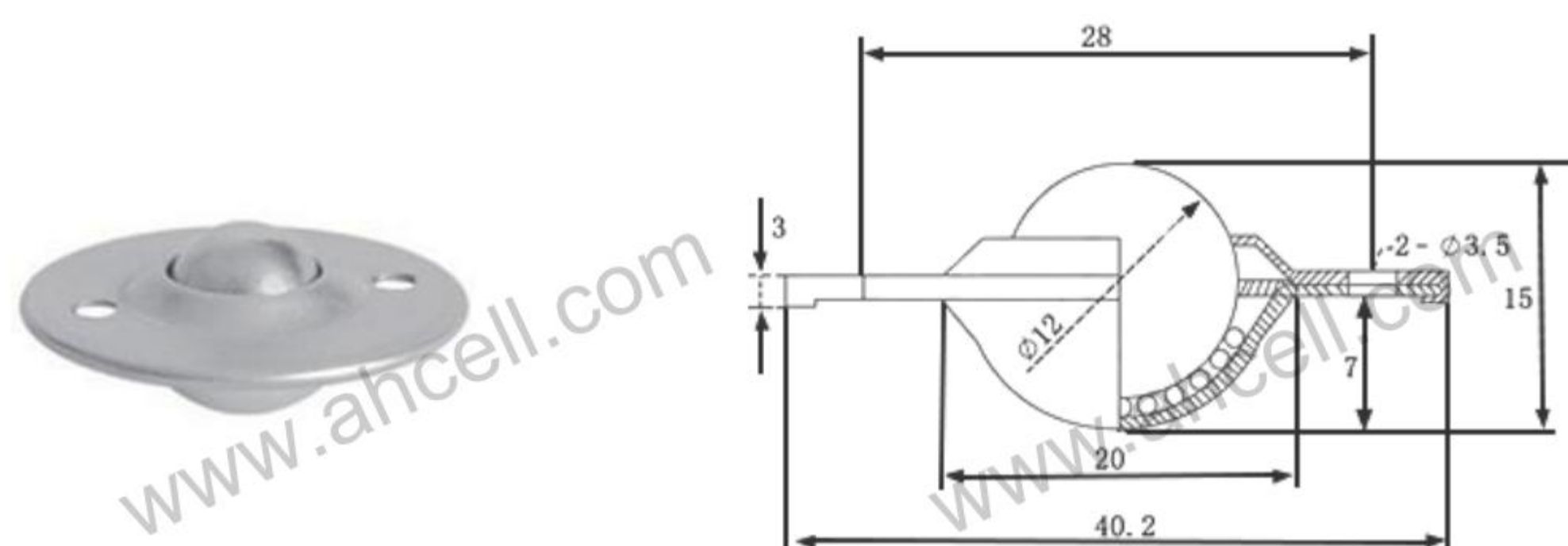
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-25A	25	30	0.130



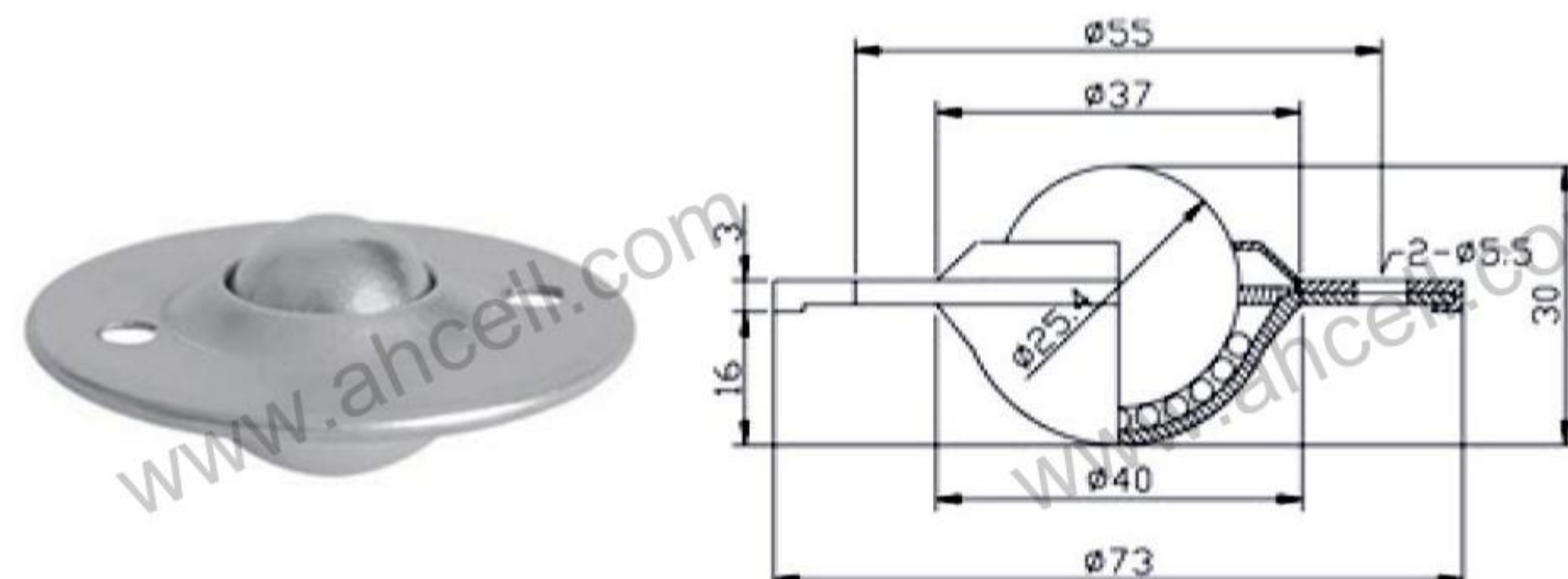
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-25A-2	25	30	0.130

Pressed Metal Series

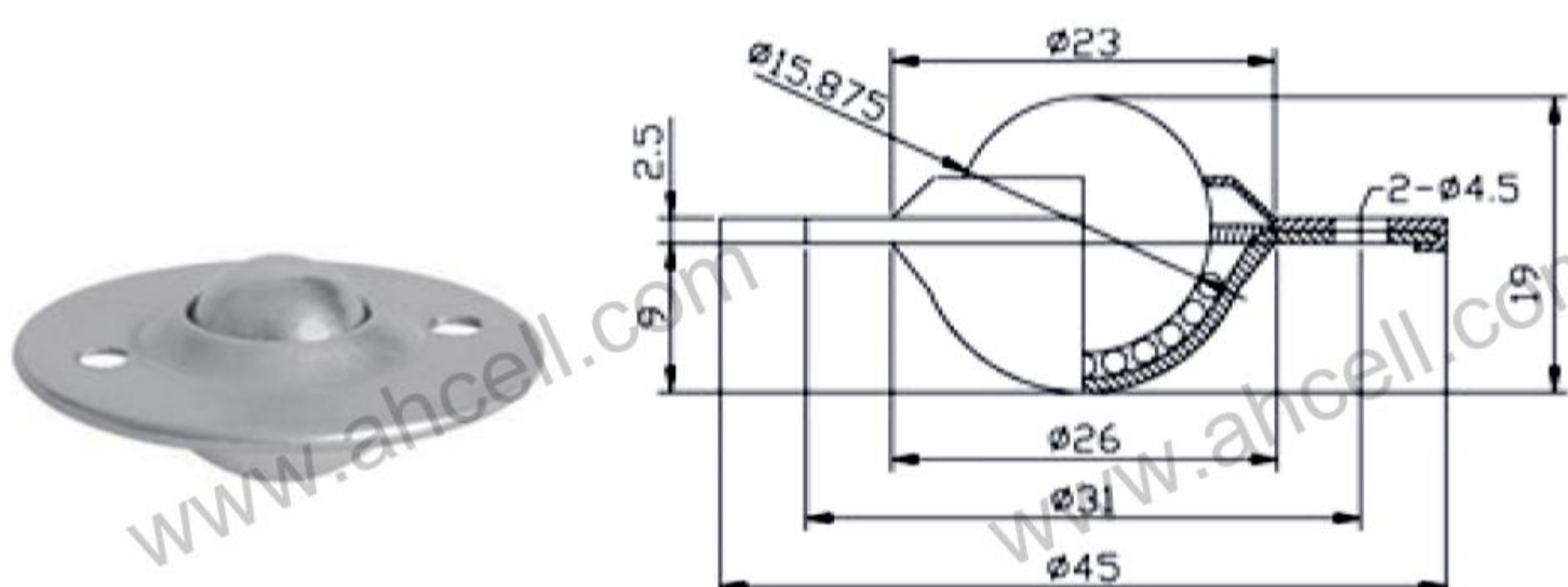
Available materials: CS/CS, NL/CS, SS/SS,SS/CS,NL/SS



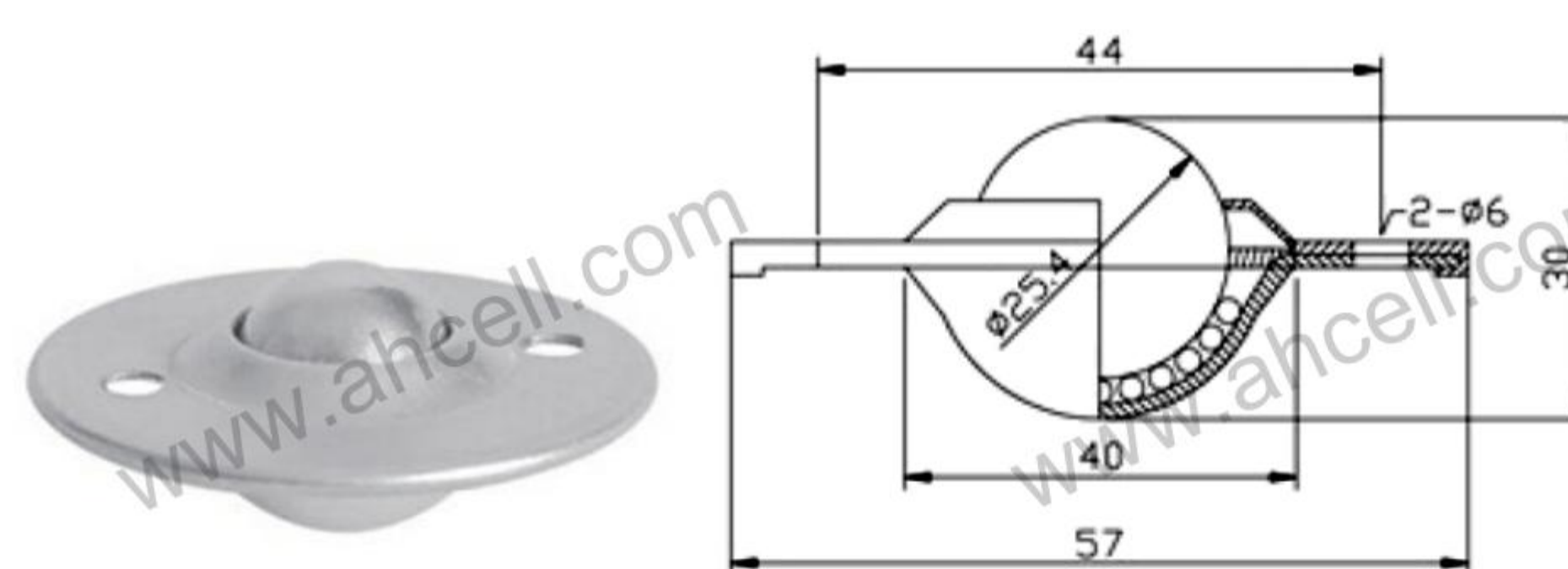
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-12B	8	10	0.031



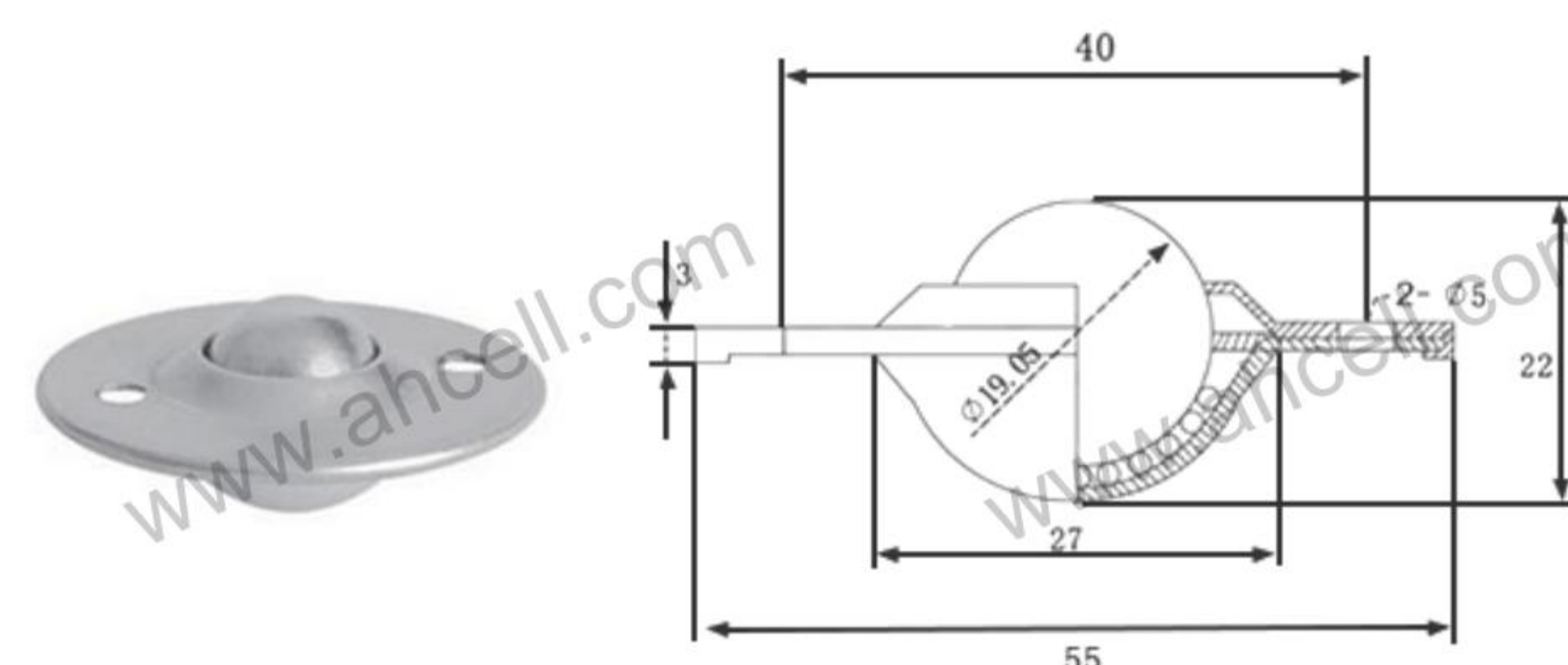
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	Suggested	Breaking	
CY-25B	25	30	0.160



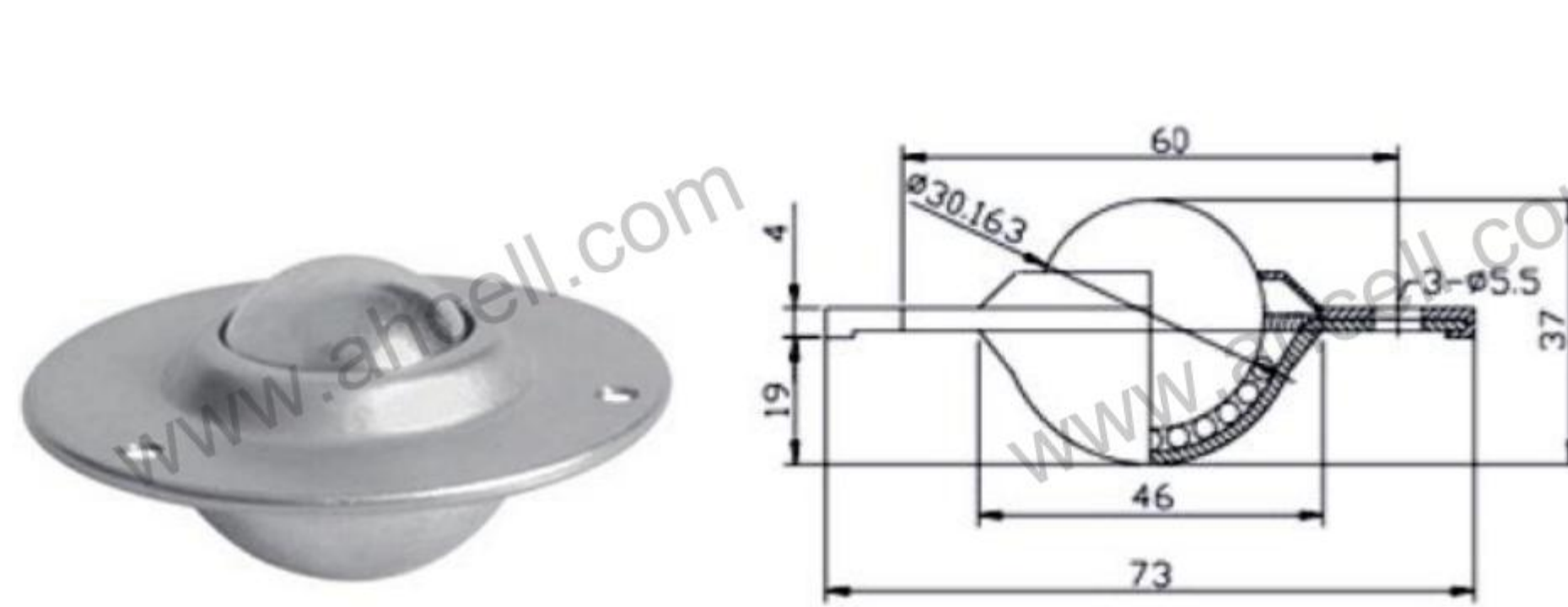
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CY-16B	10	15	0.043



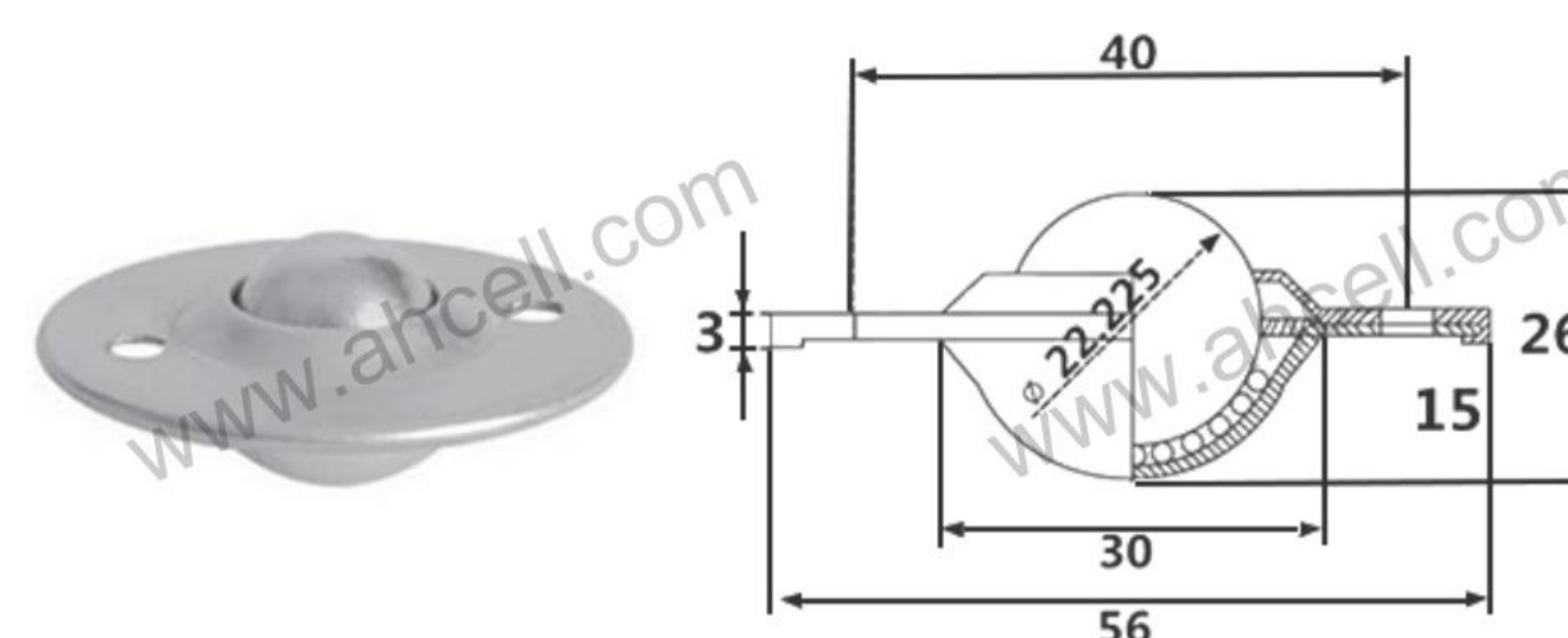
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-25B-2	25	30	0.160



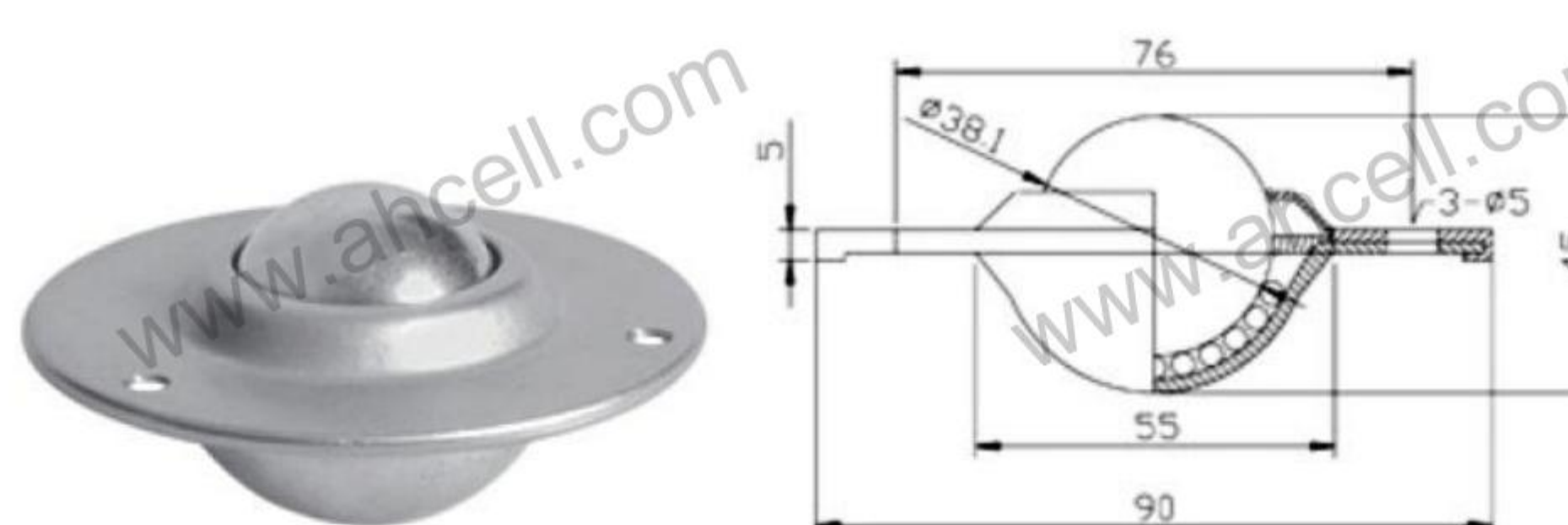
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-19B	15	20	0.090



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-30B	35	45	0.240



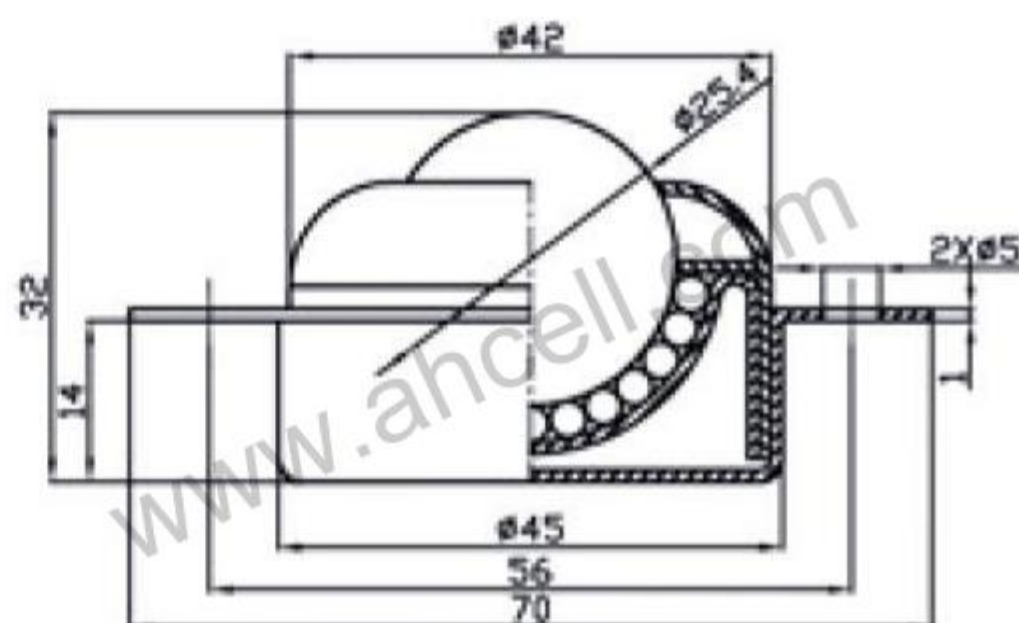
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	Suggested	Breaking	
CY-22B	20	25	0.100



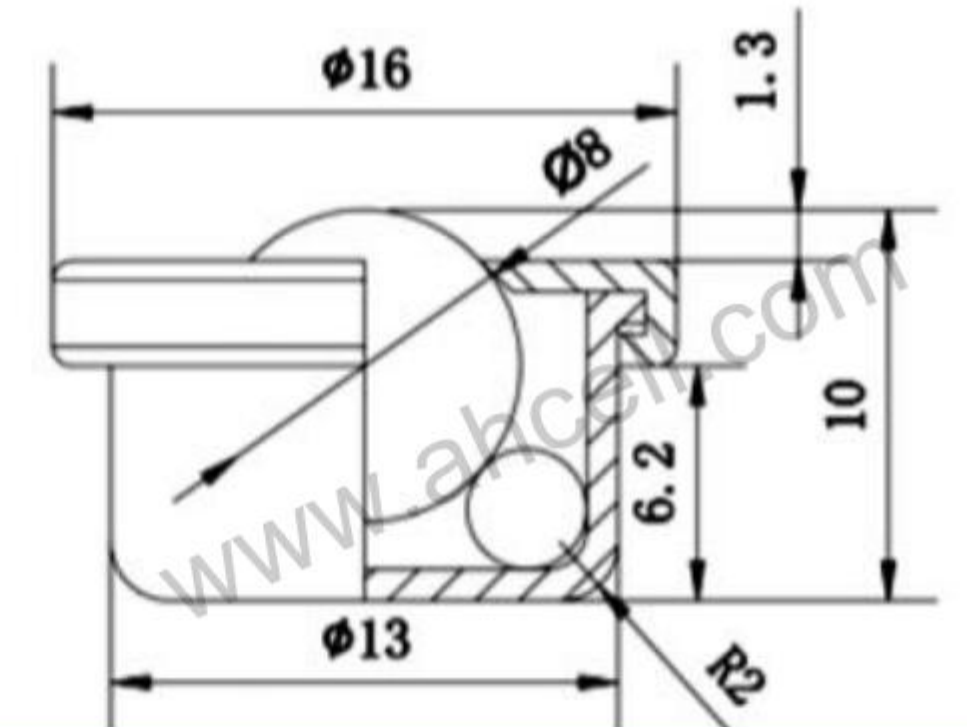
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-38B	45	55	0.430

Pressed Metal Series

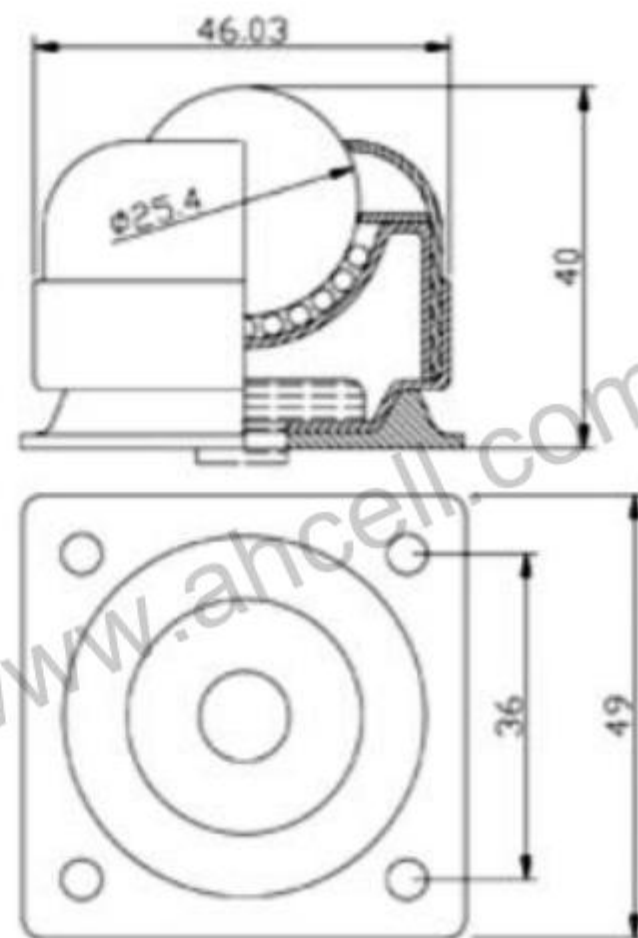
Available materials: CS/CS, NL/CS, SS/SS,SS/CS,NL/SS



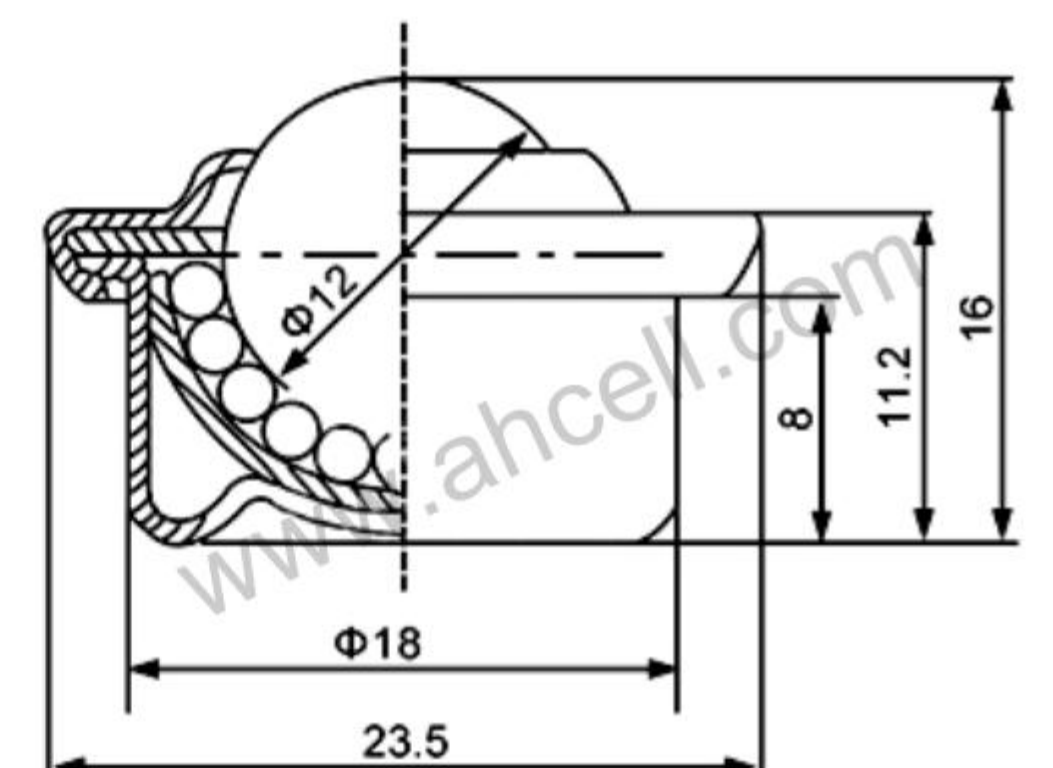
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-25E	20	25	0.048



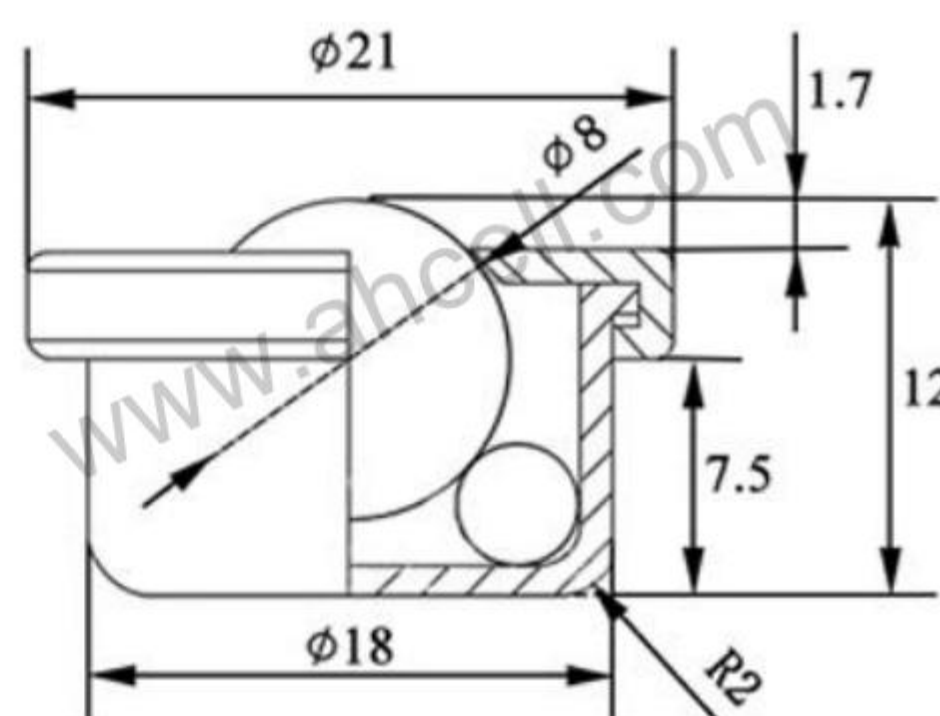
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-8H	3	5	0.005



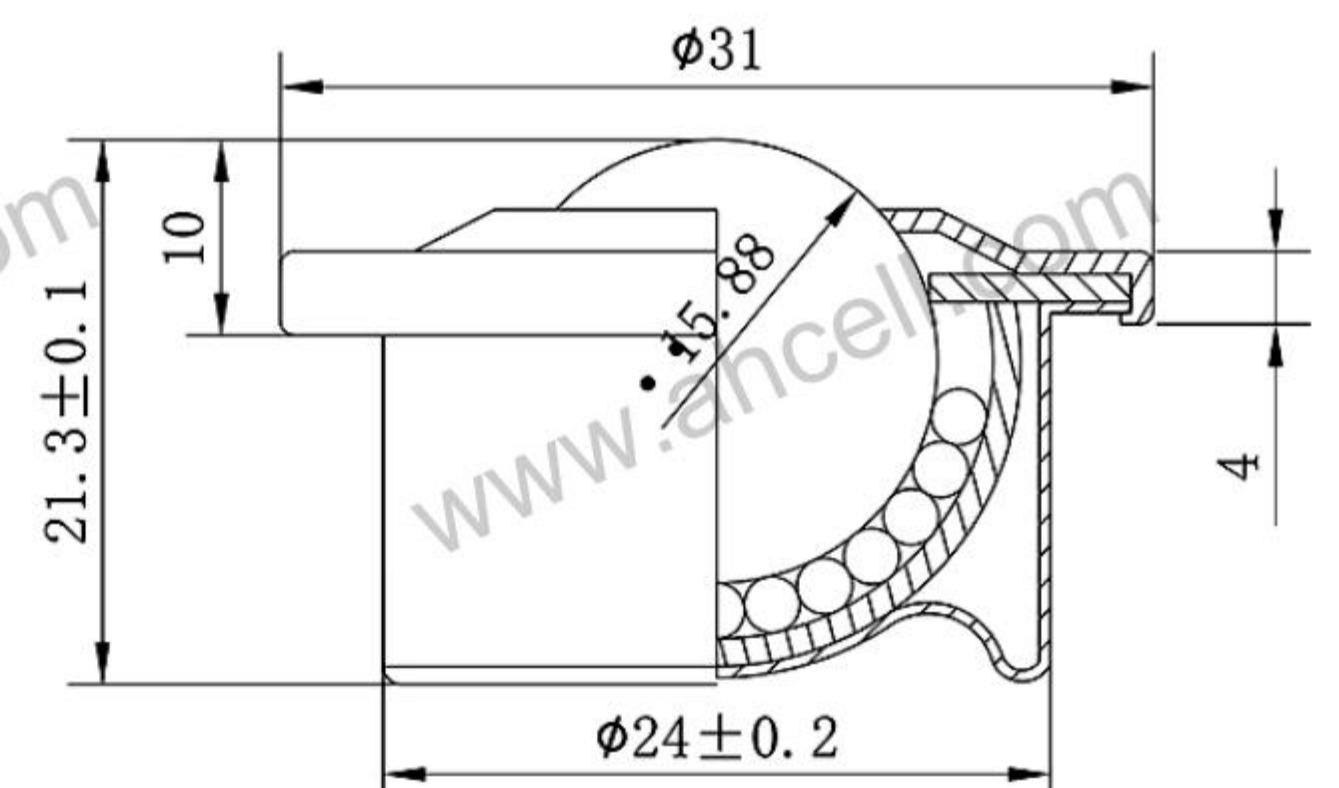
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-25FE	25	30	0.130



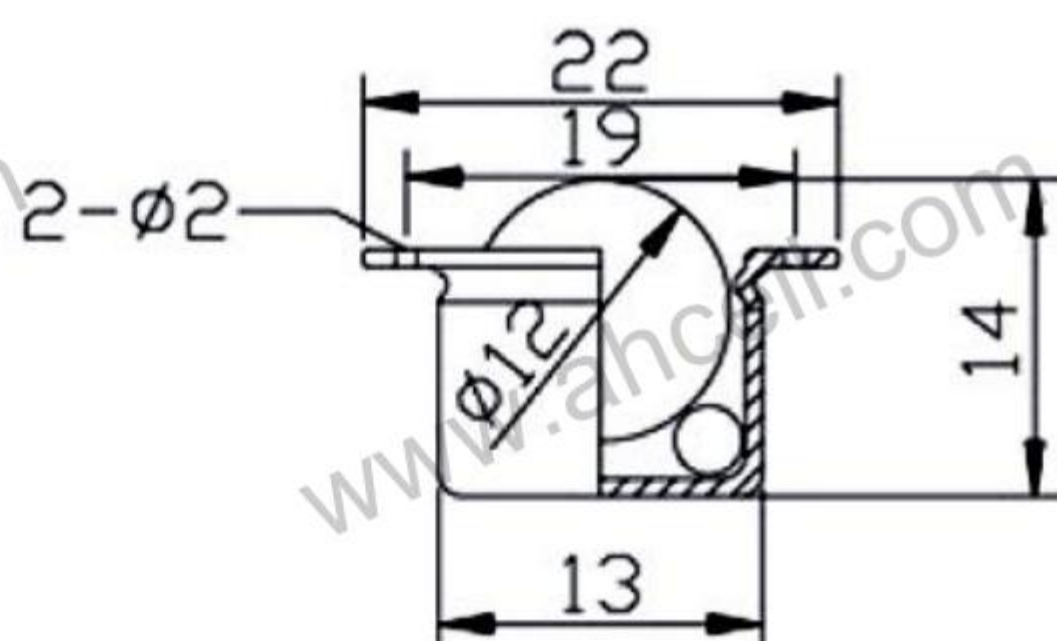
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-12H	10	15	0.038



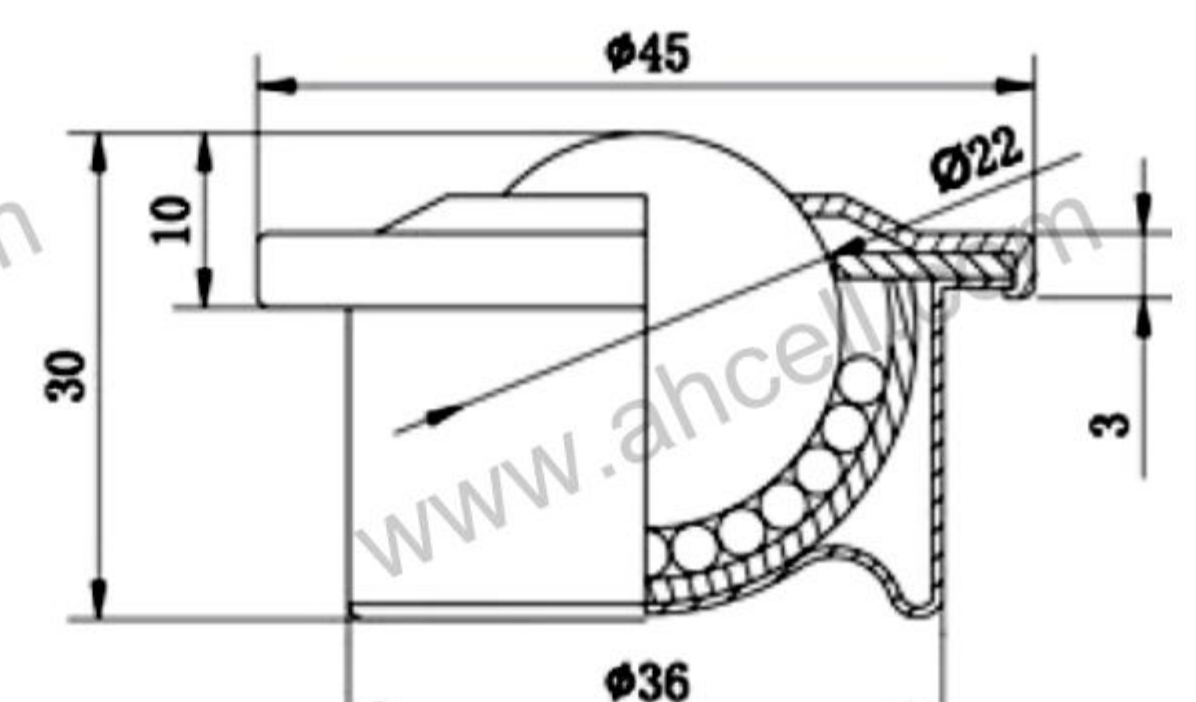
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-8HH	5	8	0.008



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-15H	15	25	0.044



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-12HH	5	8	0.010



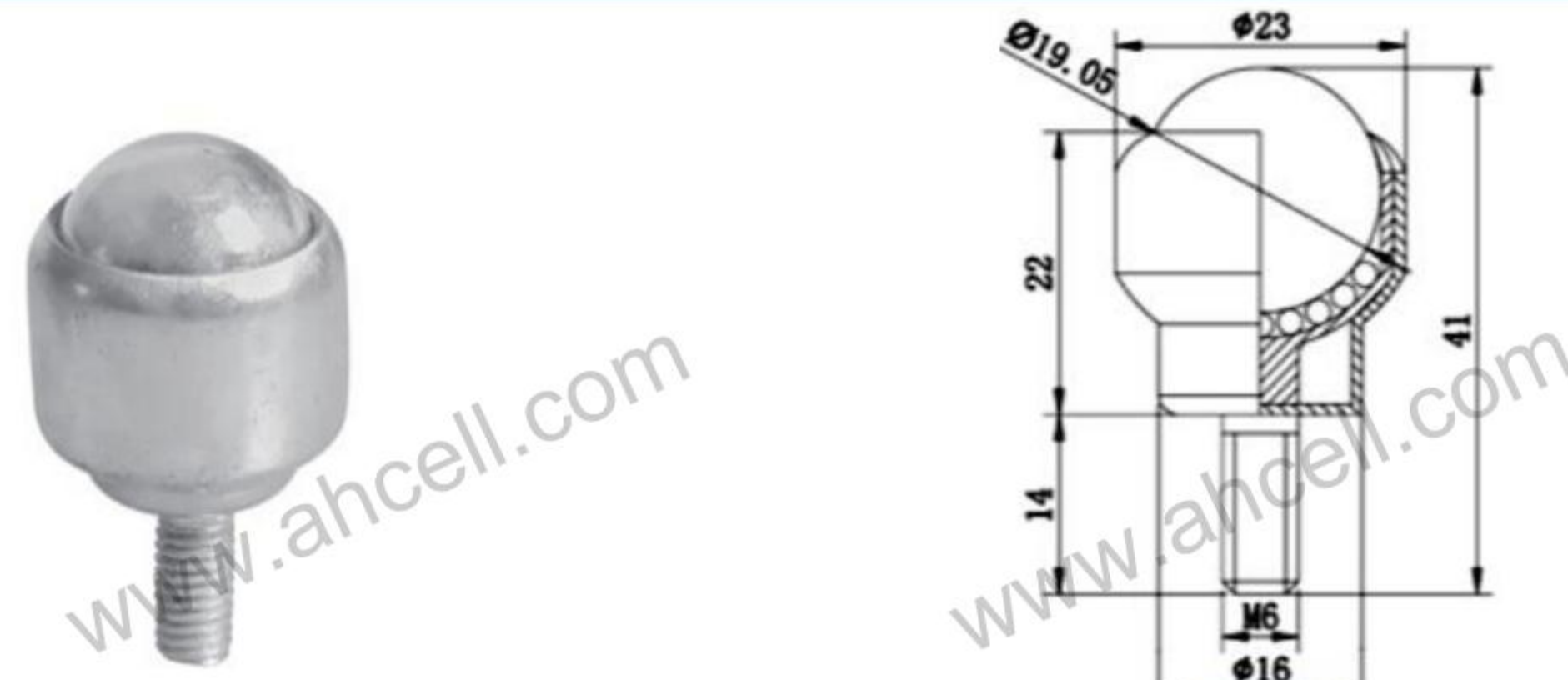
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
CY-22H	40	55	0.120

Pressed Metal Series

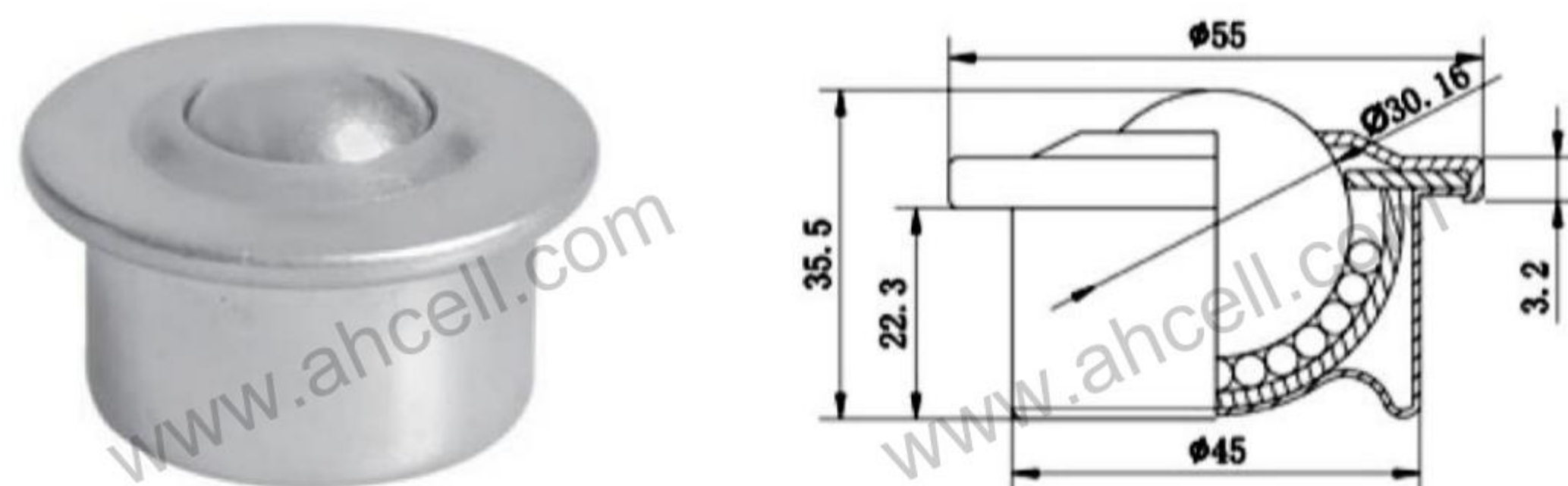
Available materials: CS/CS, NL/CS, SS/SS,SS/CS,NL/SS



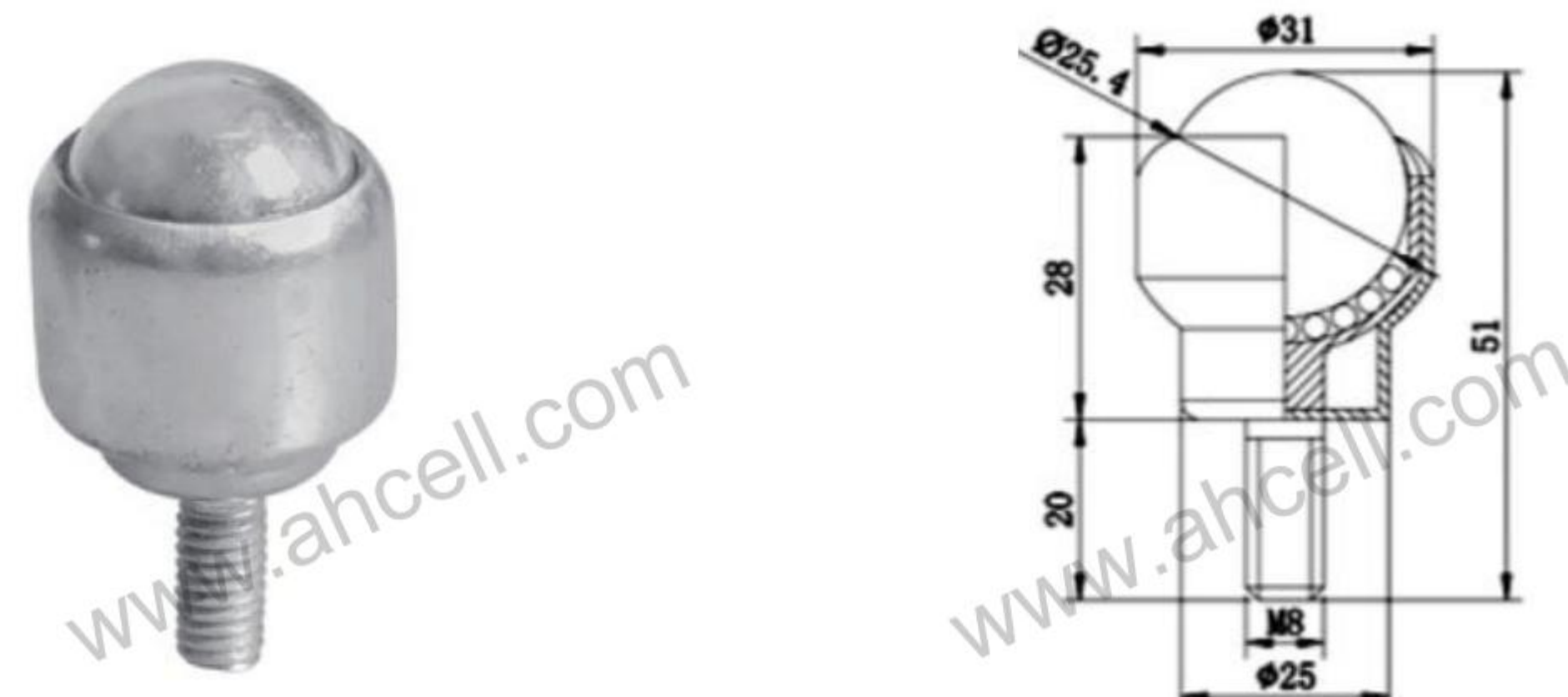
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-25H	25	30	0.145



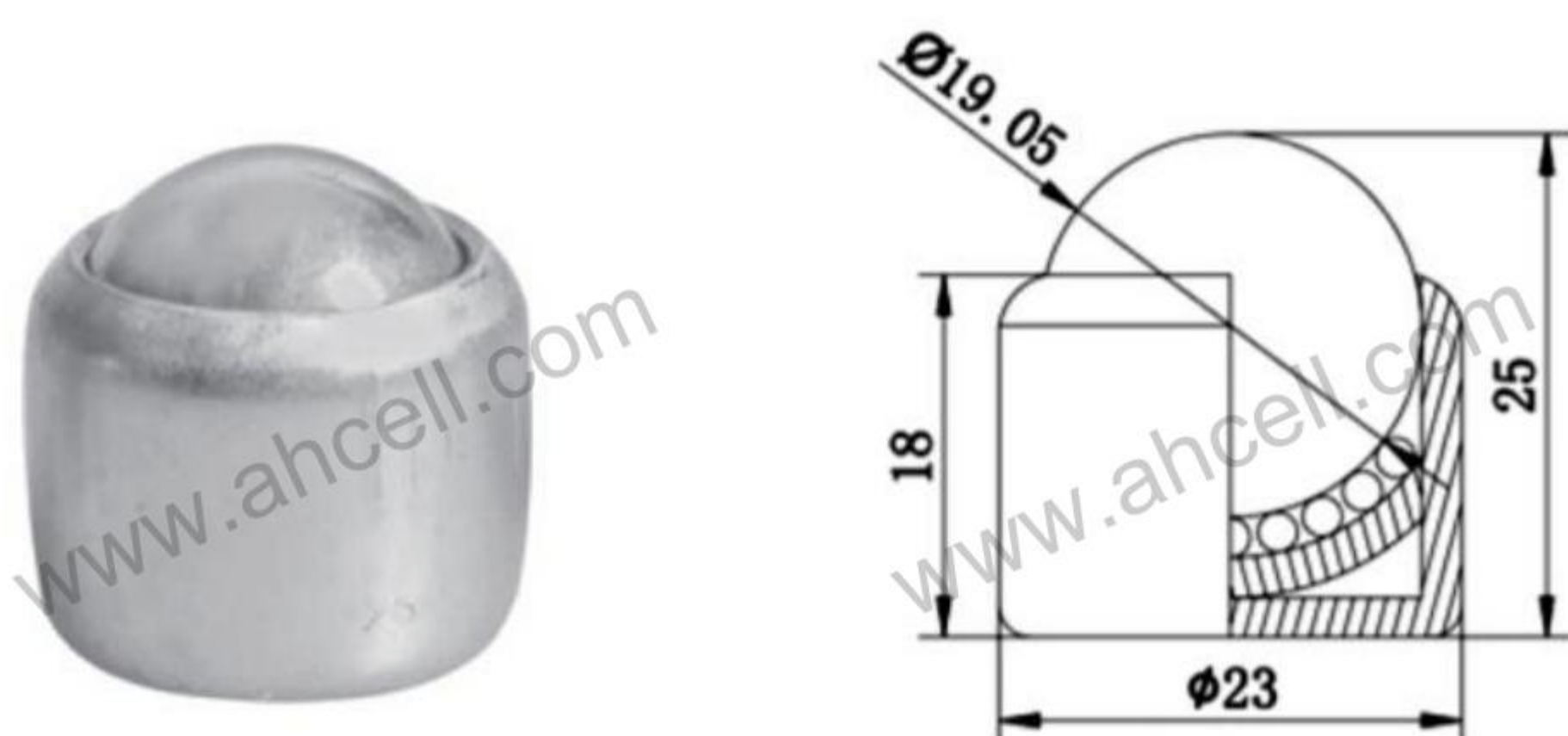
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-19D	20	25	0.050



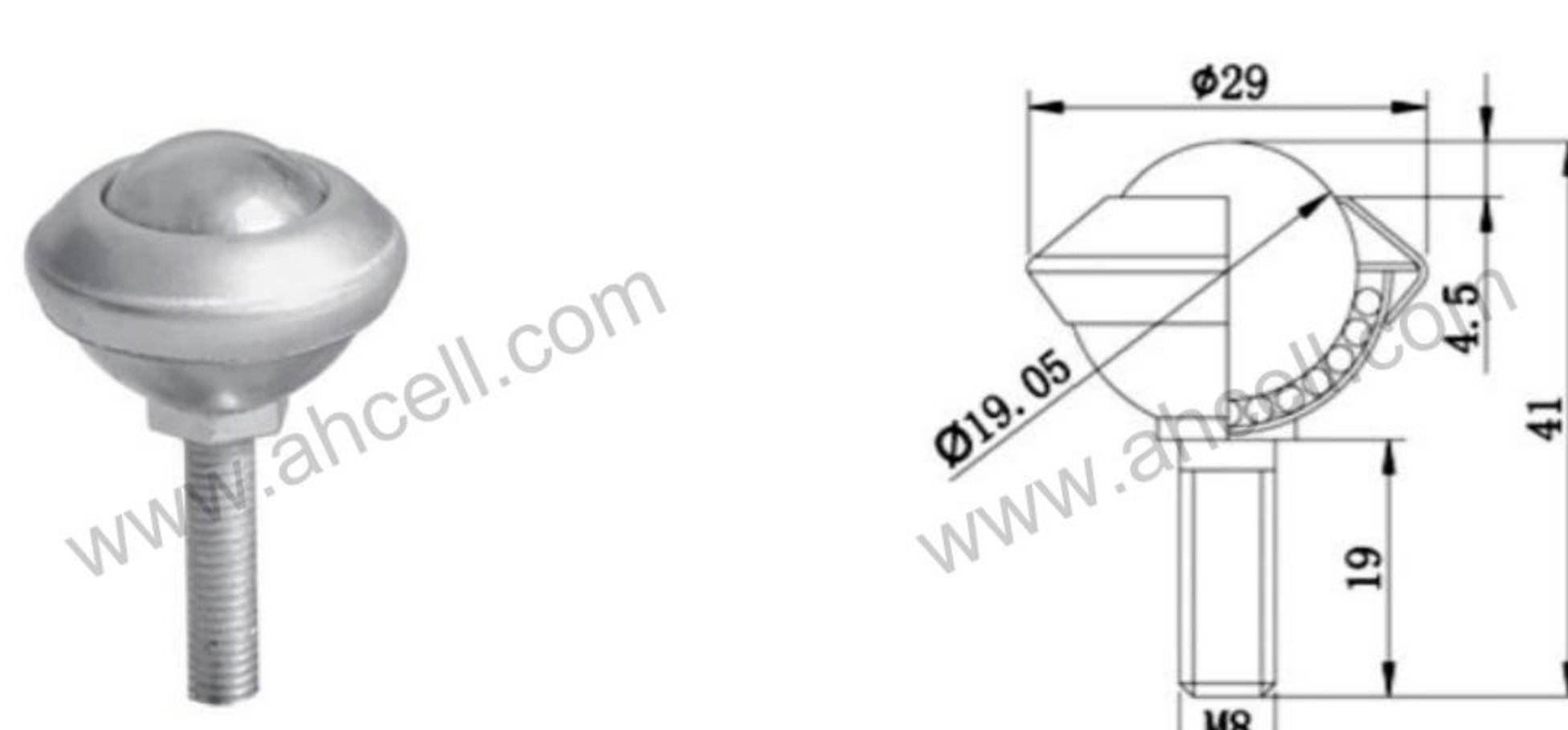
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-30H	70	85	0.240



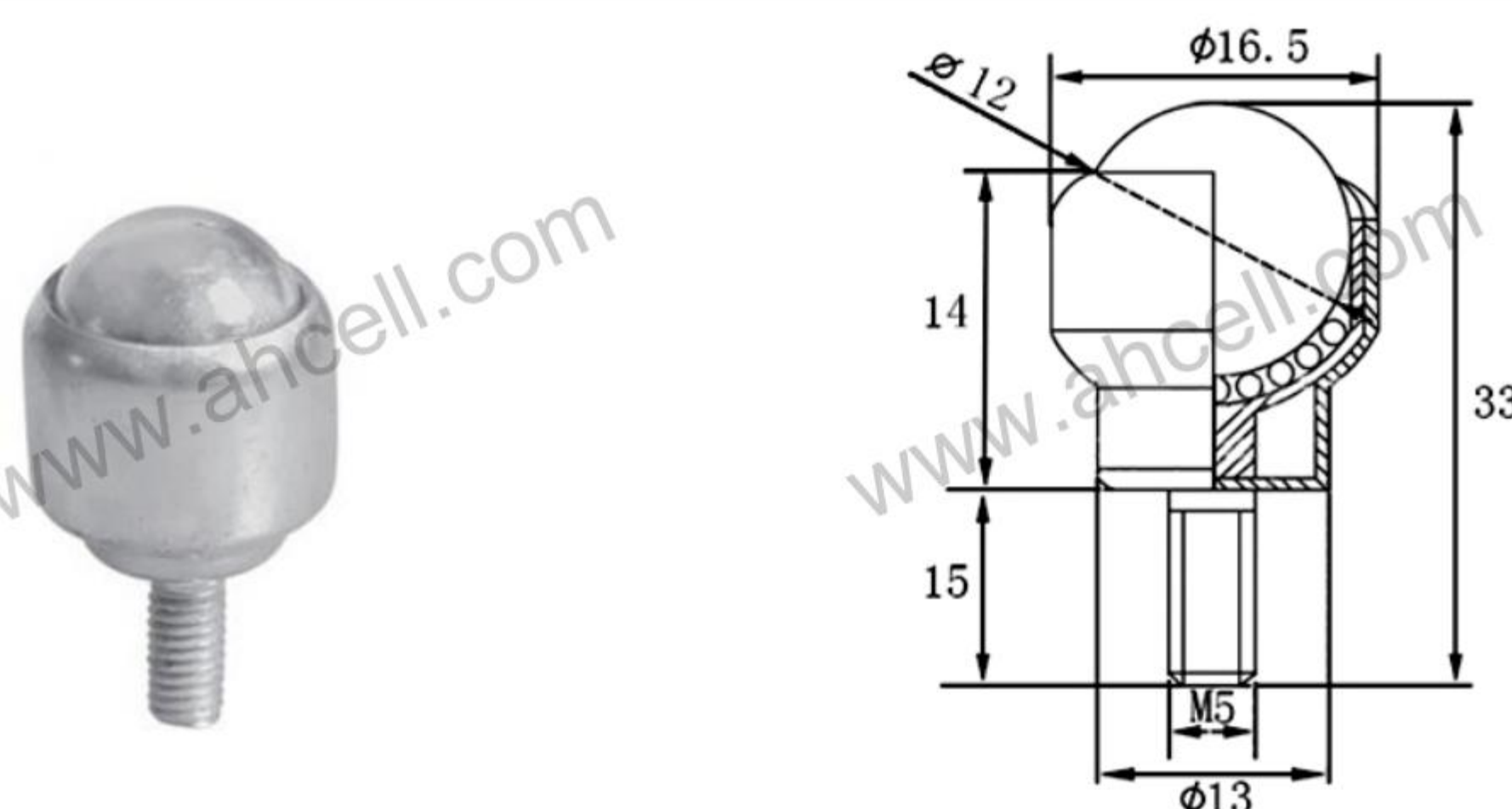
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-25D	30	40	0.130



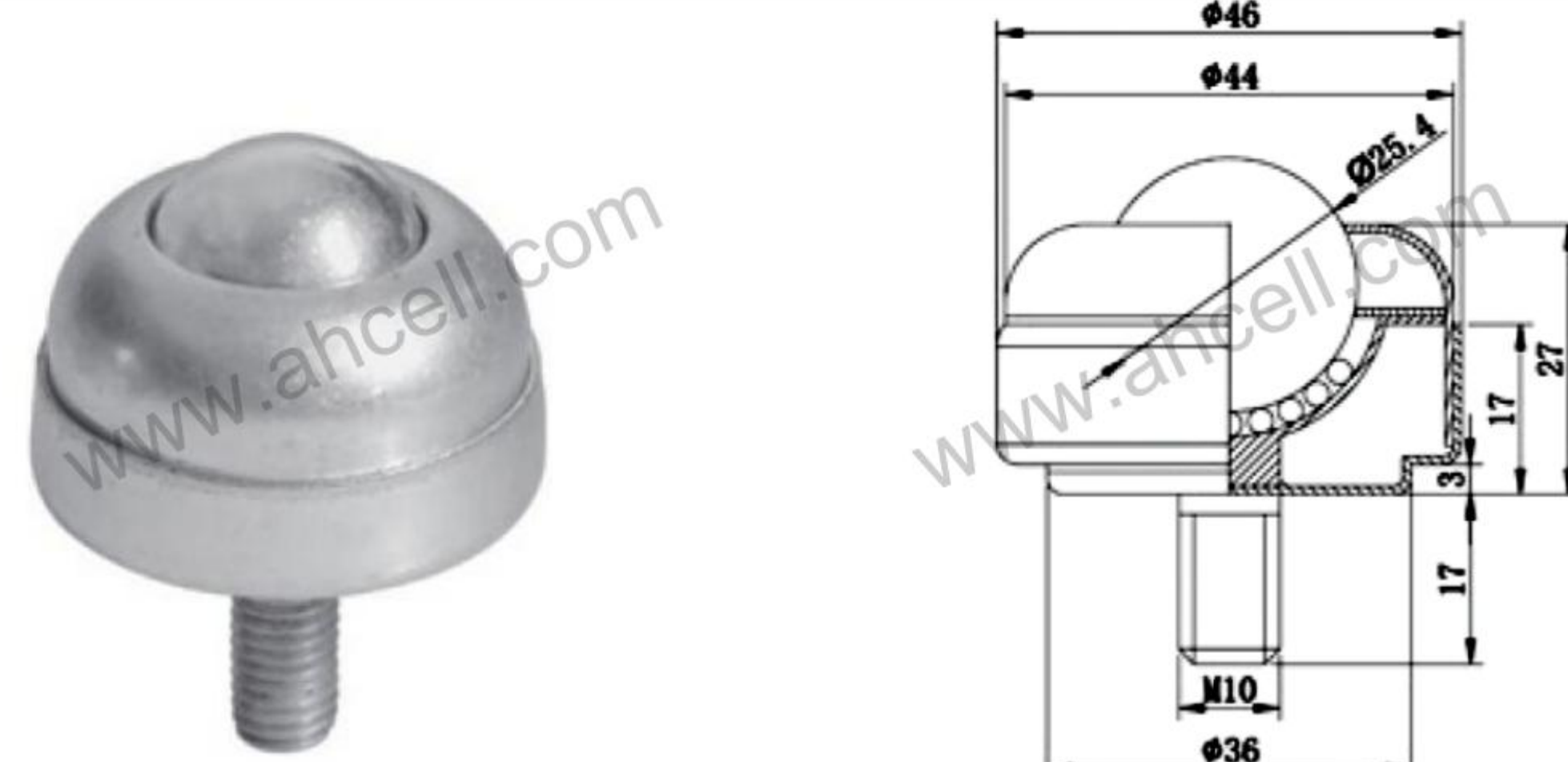
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-19C	20	30	0.045



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-19FL	15	20	0.100



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-12D	10	15	0.025



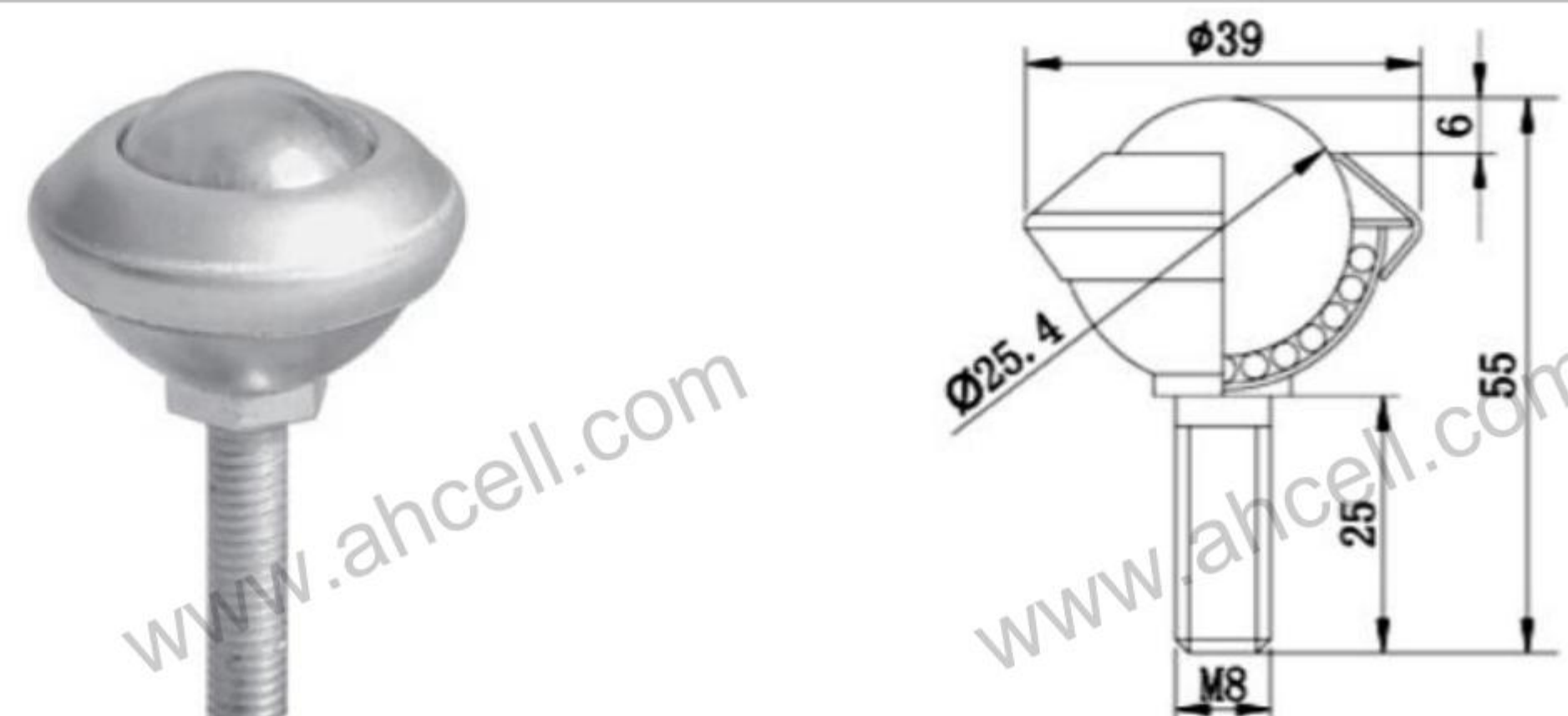
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
CY-25F	30	40	0.170

Pressed Metal Series

Available materials: CS/CS, NL/CS, SS/SS,SS/CS,NL/SS



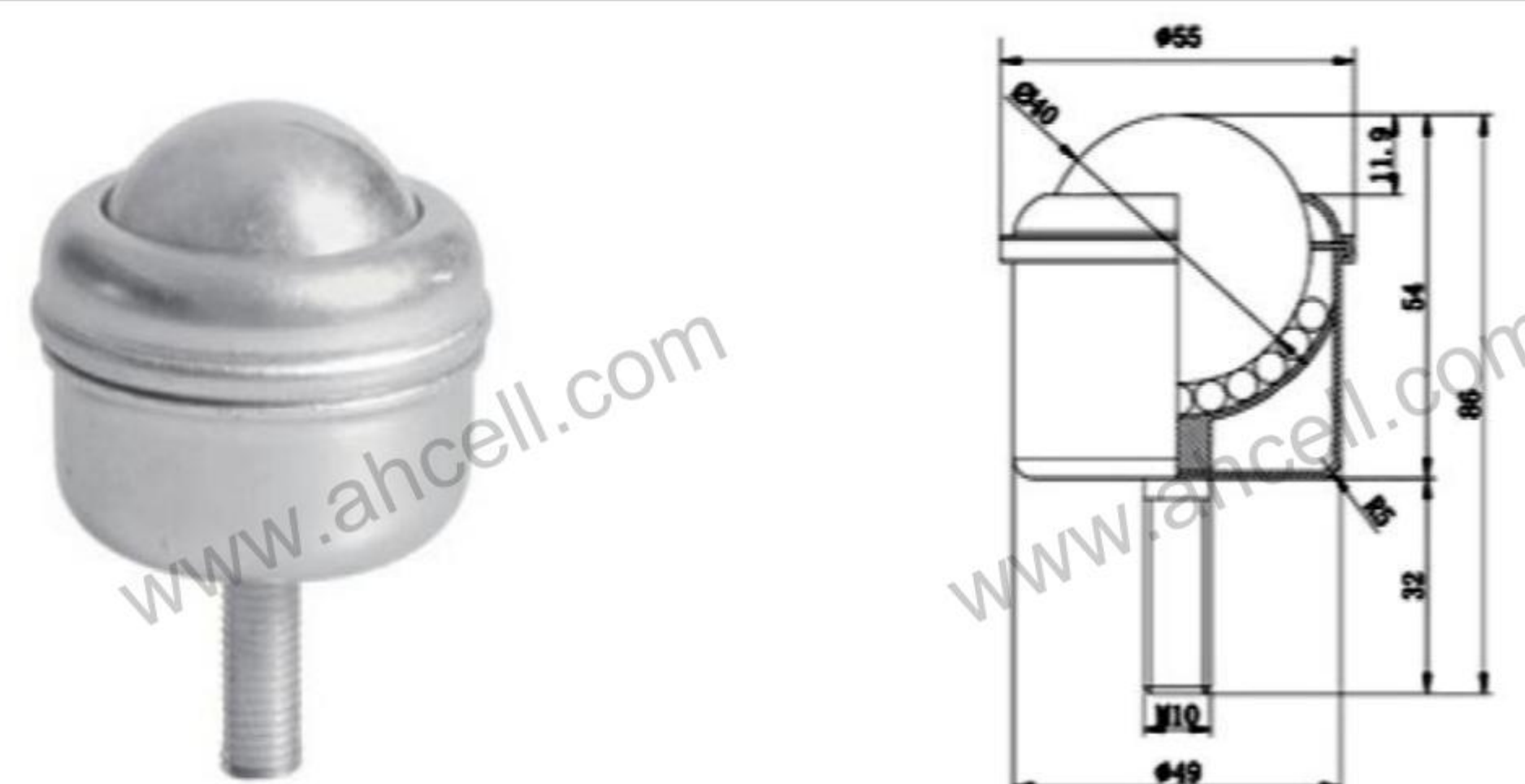
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-25HF	25	30	0.150



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-25FL	15	20	0.130



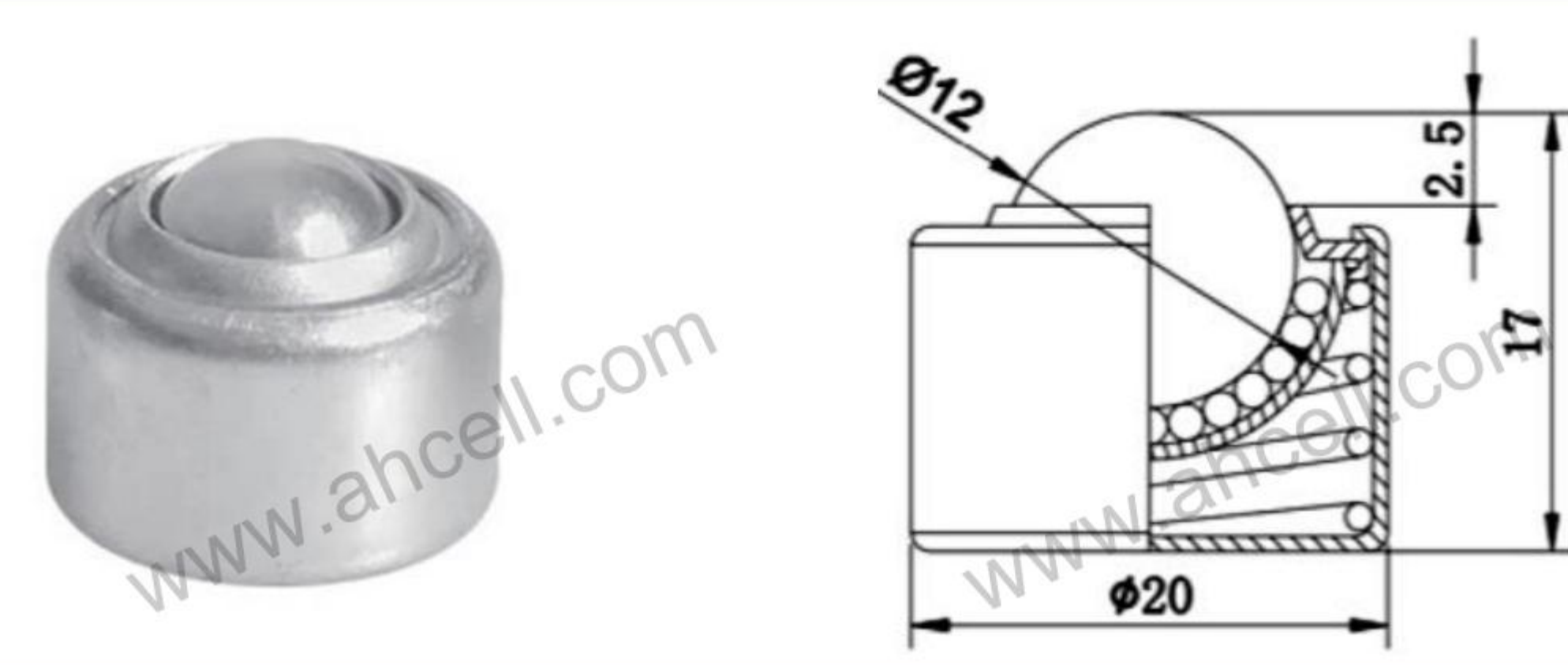
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-25FLB	25	30	0.140



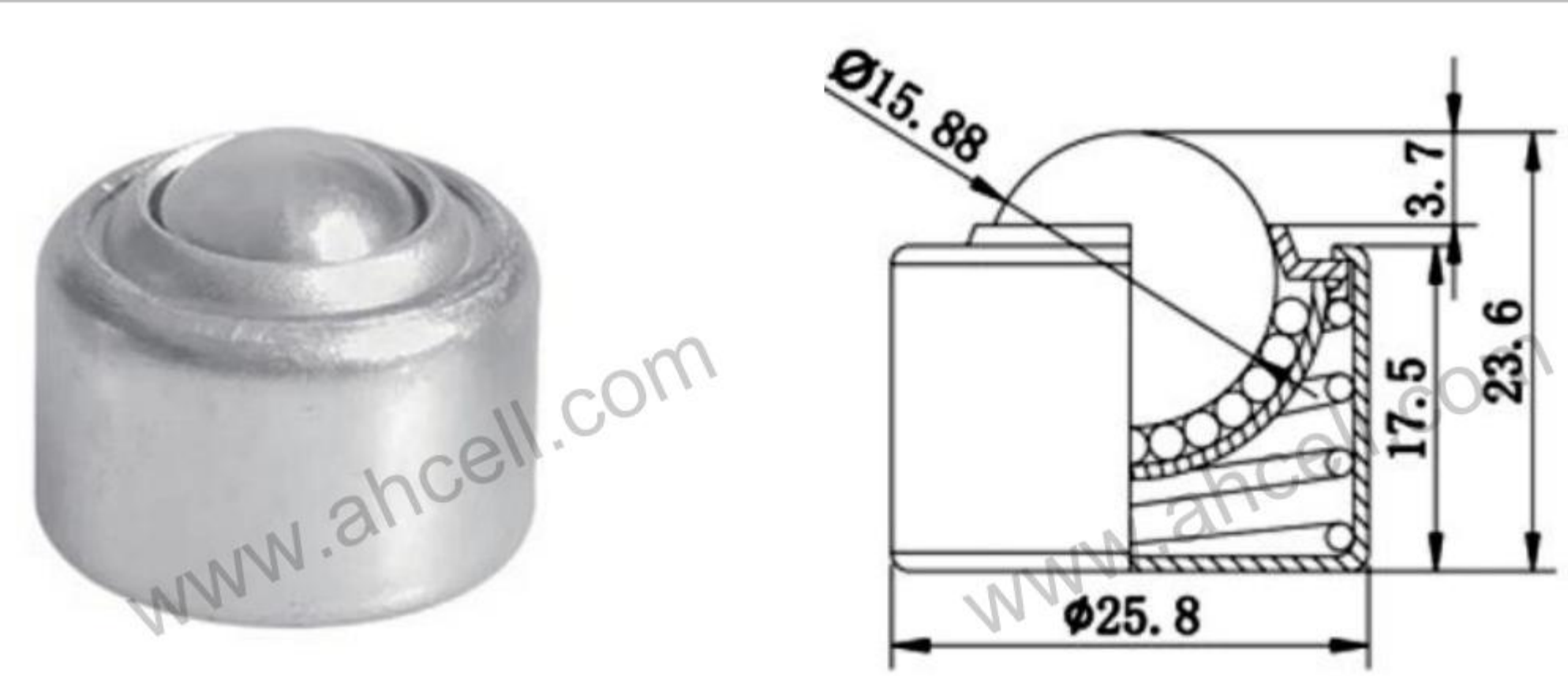
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-40F	40	50	0.460

Pressed Metal Spring Load Series

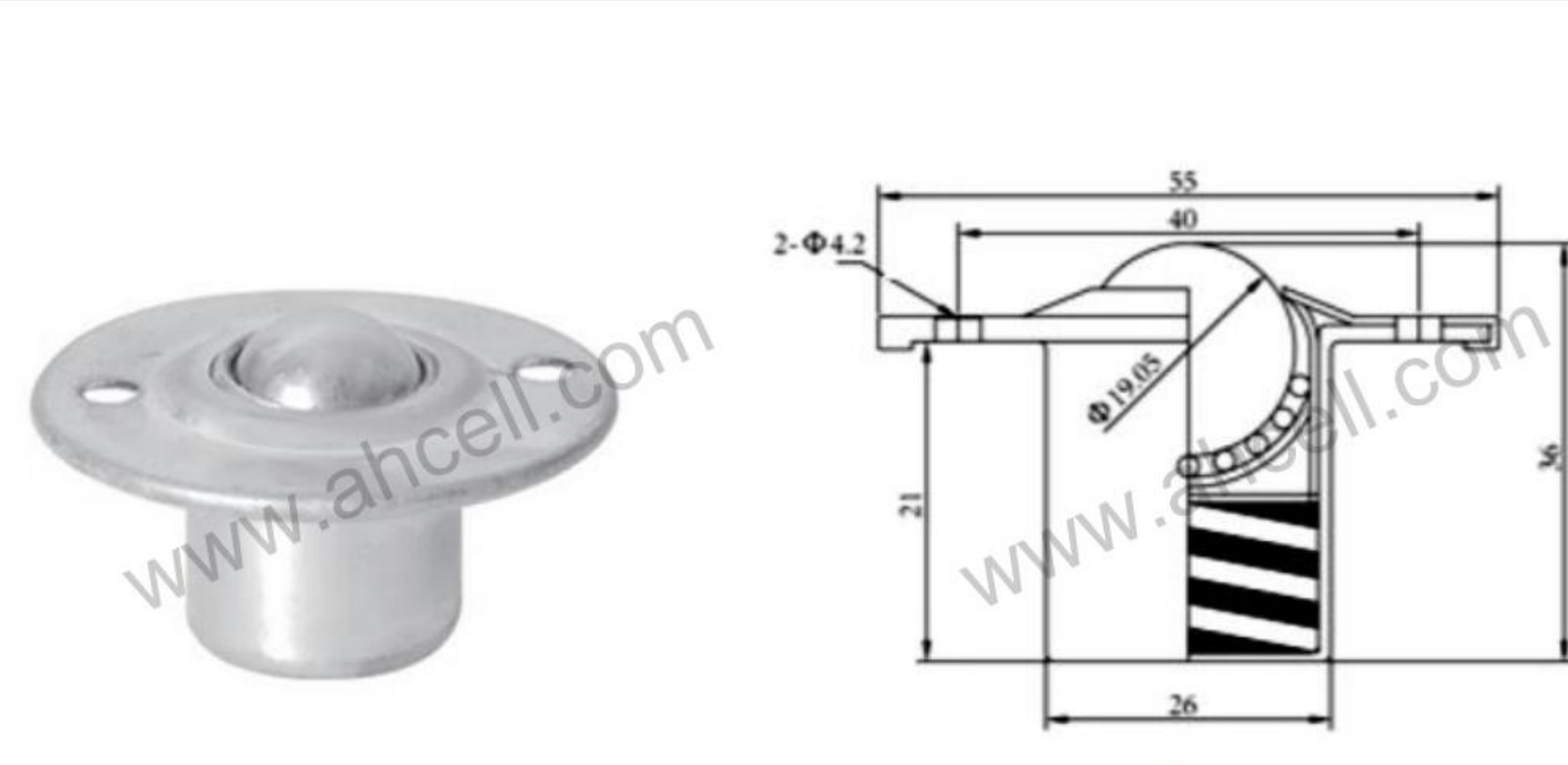
Inner Spring Shock Absorption



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-12T	5	7	0.020



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-15T	8	11	0.035



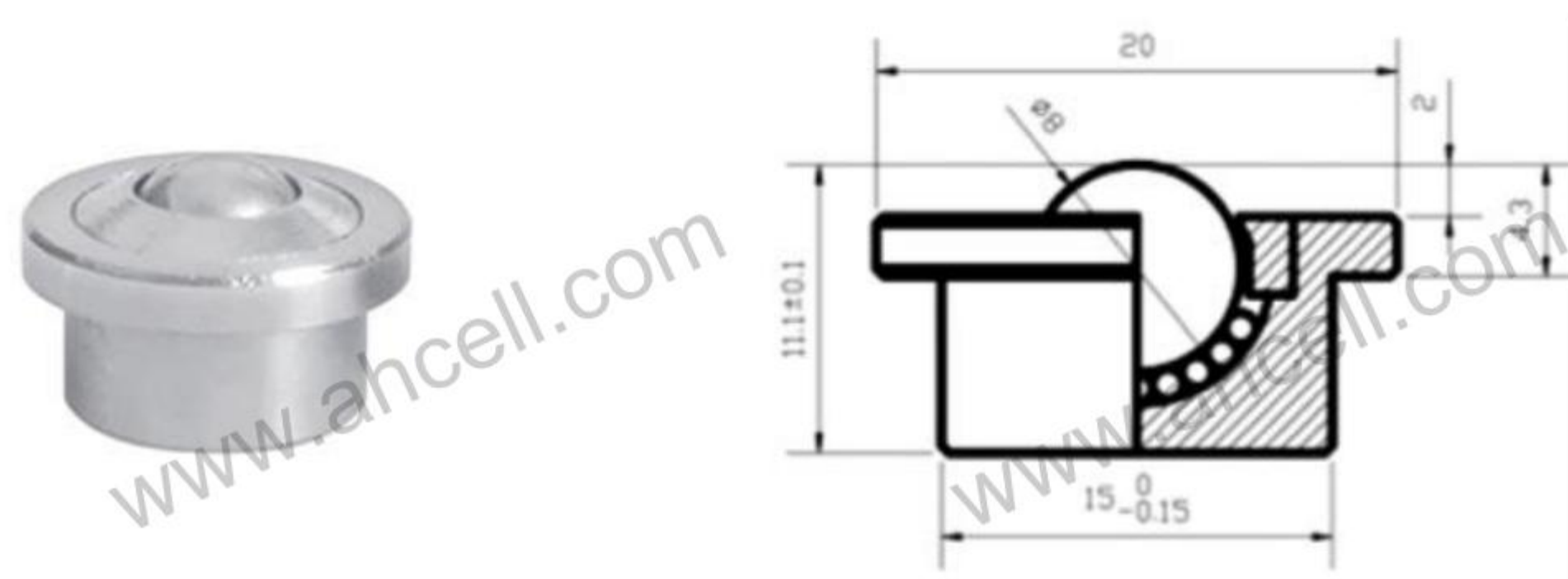
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-19TB	20	25	0.050



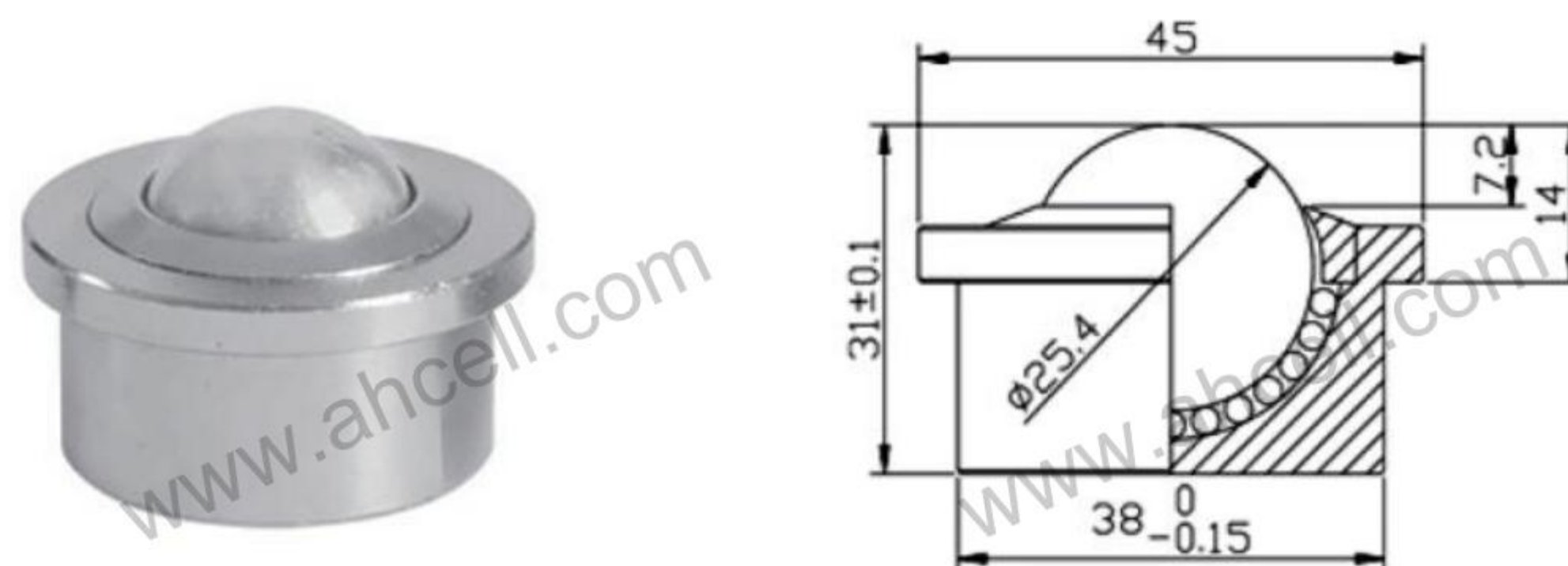
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
CY-25T	20	30	0.160

Press Mount Heavy Duty Series

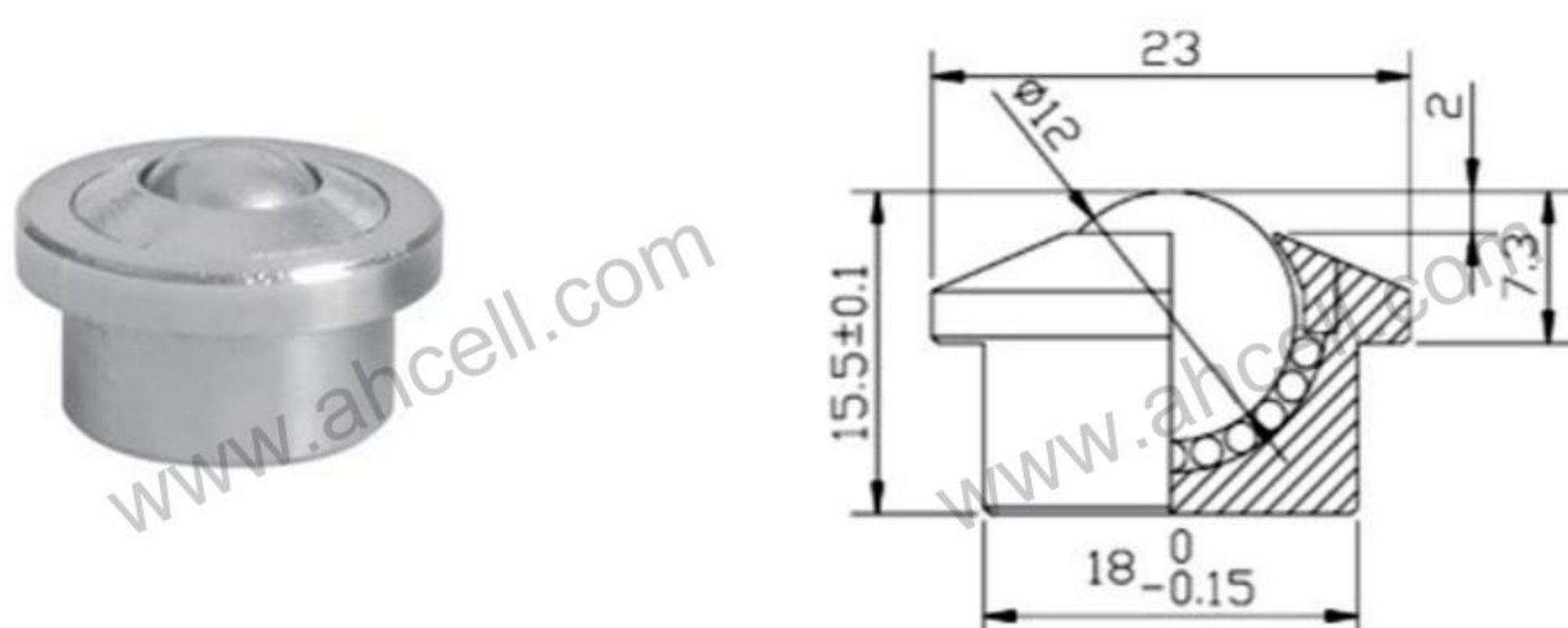
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



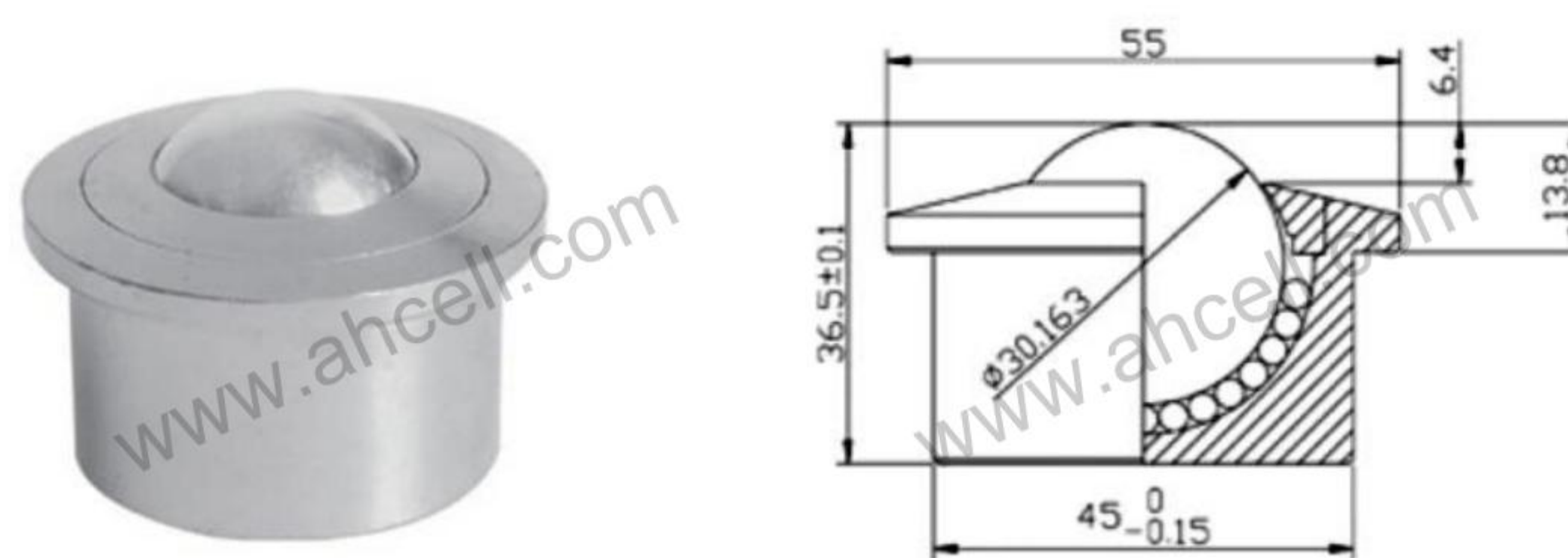
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-8	8	15	0.015



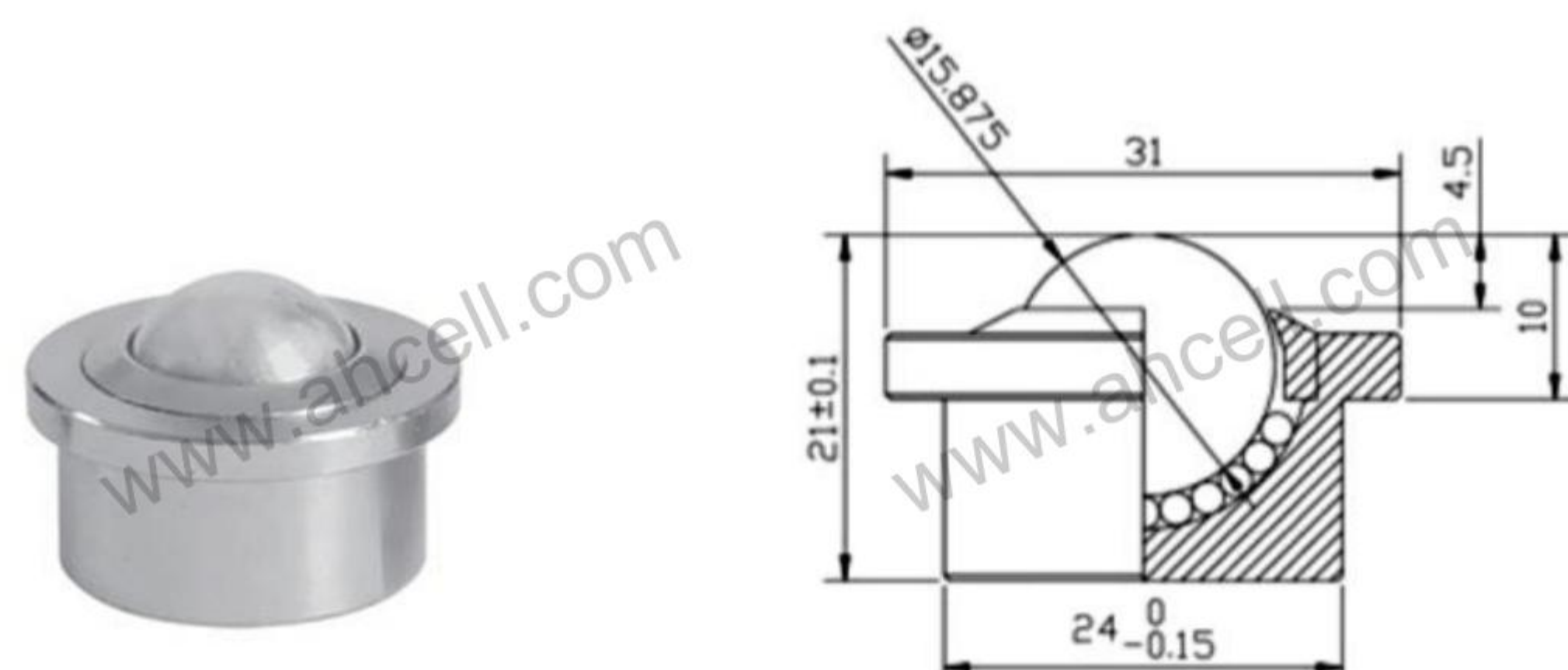
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-25	180	200	0.235



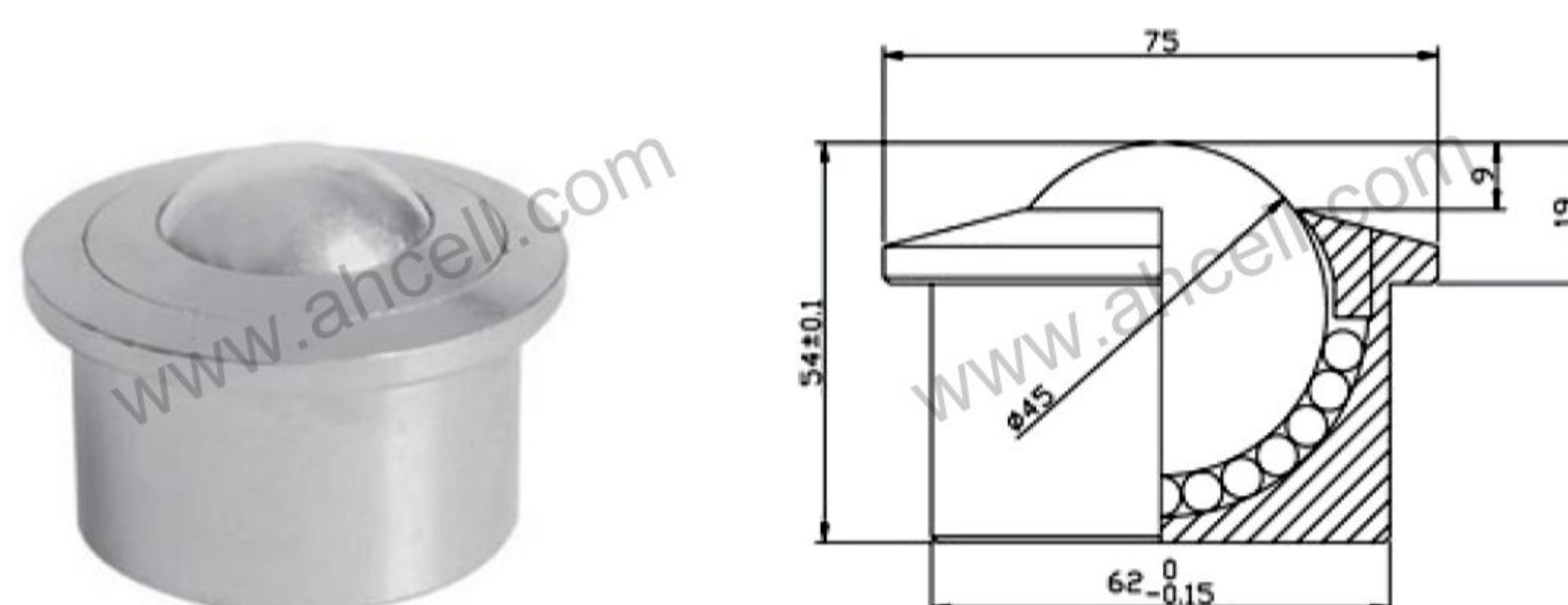
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-12	25	30	0.030



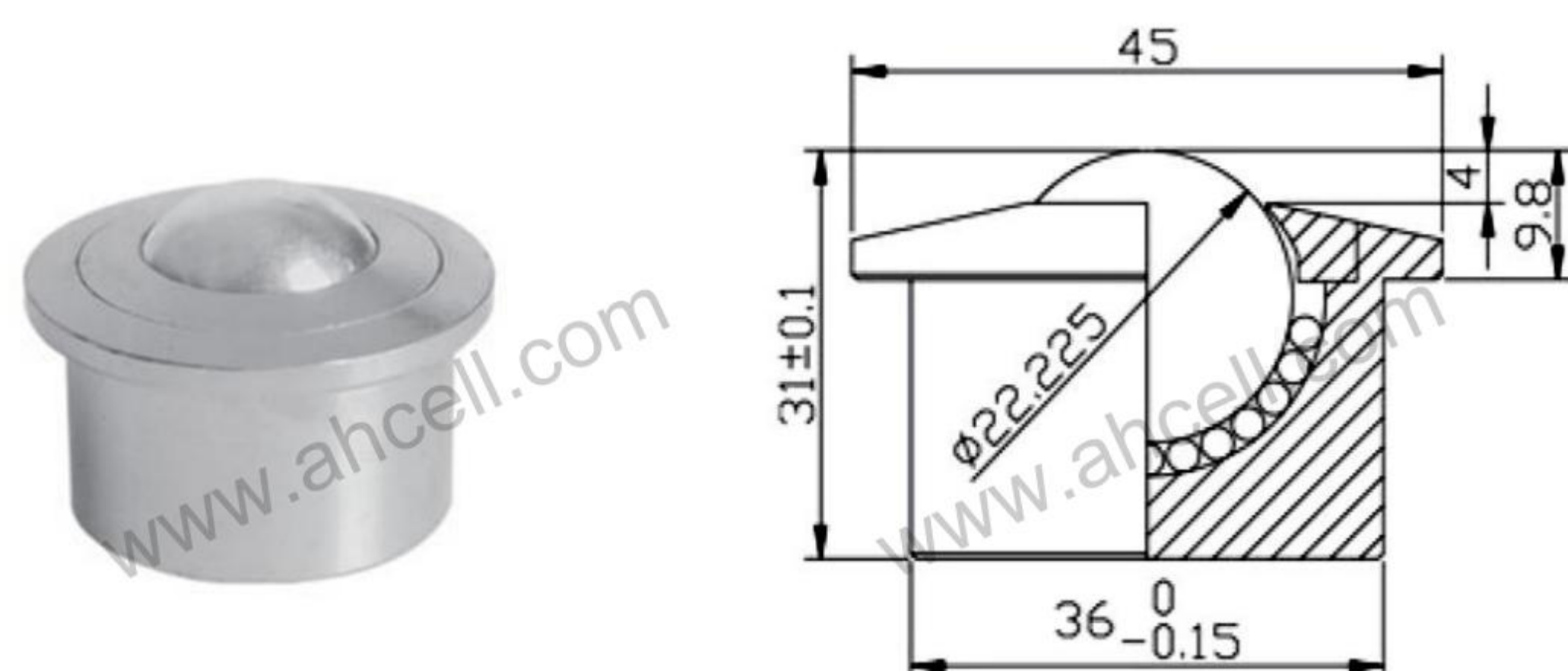
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-30	250	300	0.380



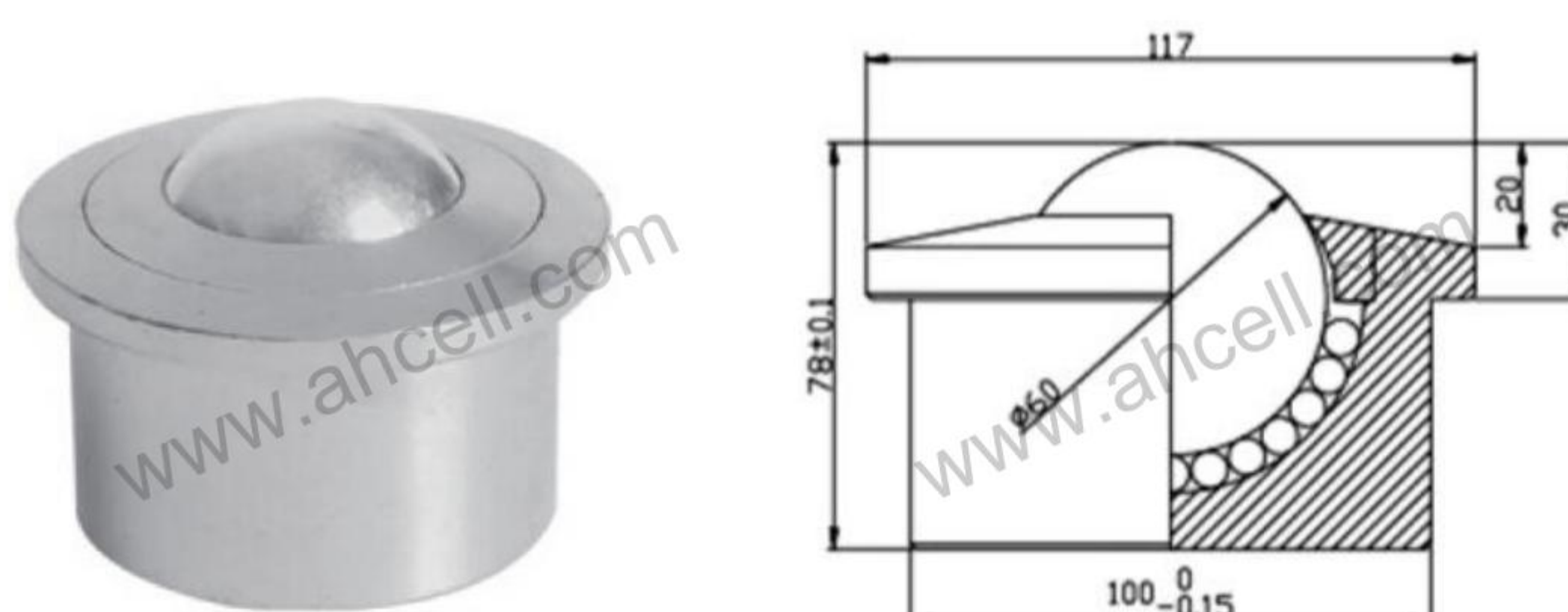
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-15	40	50	0.065



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-45	450	500	1.100



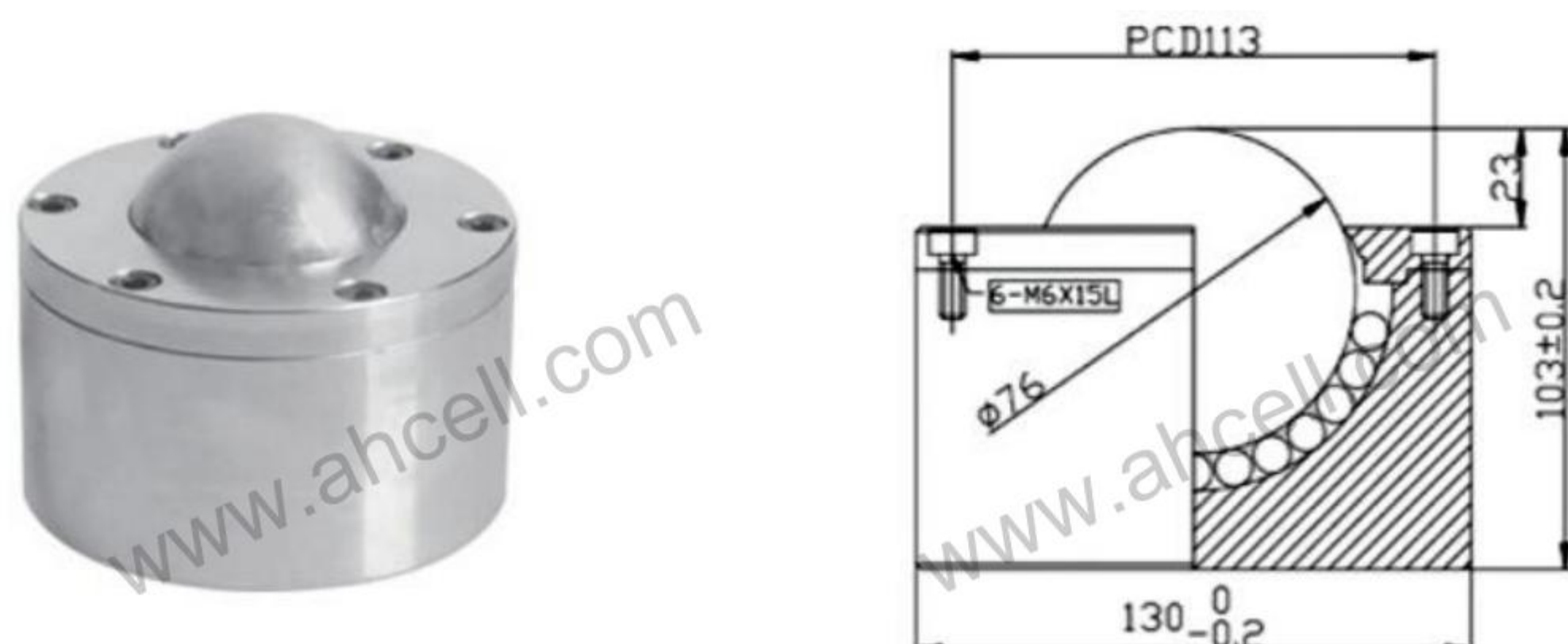
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-22	140	160	0.225



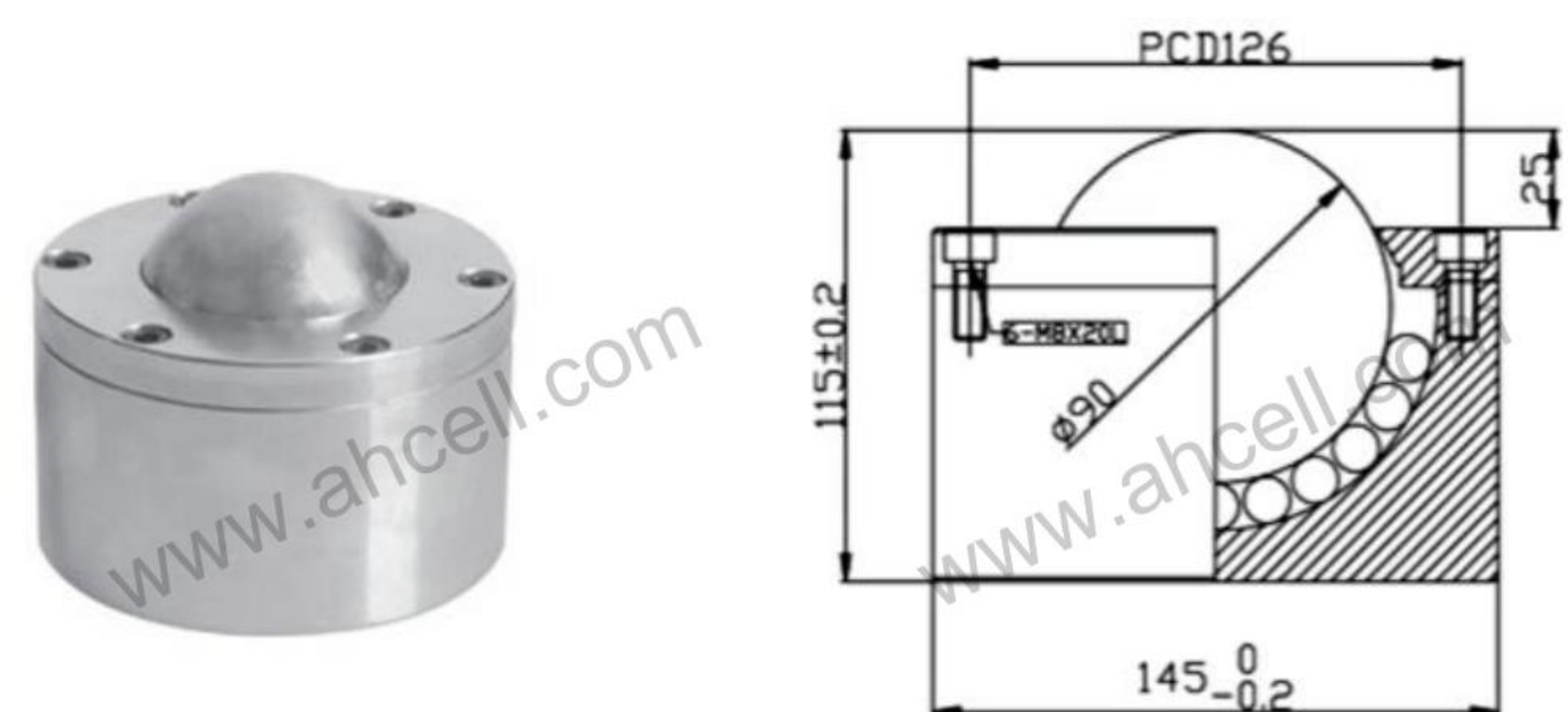
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
SP-60	800	1200	3.800

Press Mount Heavy Duty Series

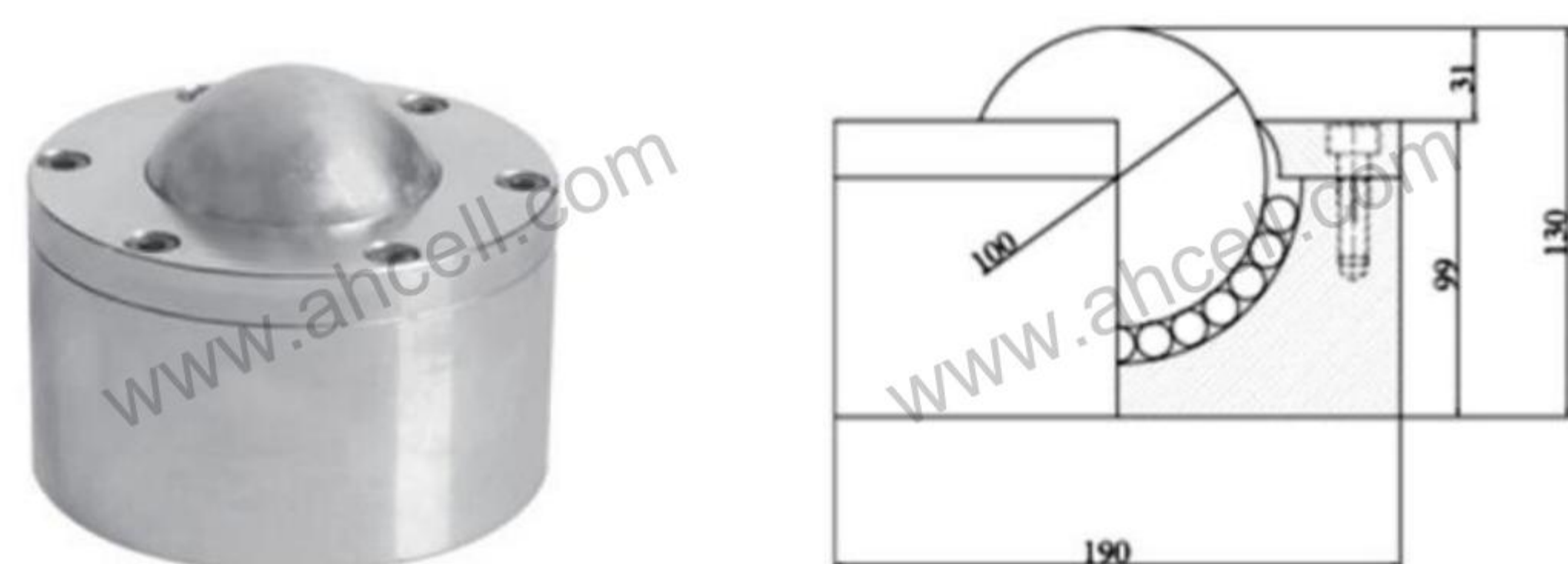
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-76	2000	2500	10.000



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-90	3000	3500	12.000



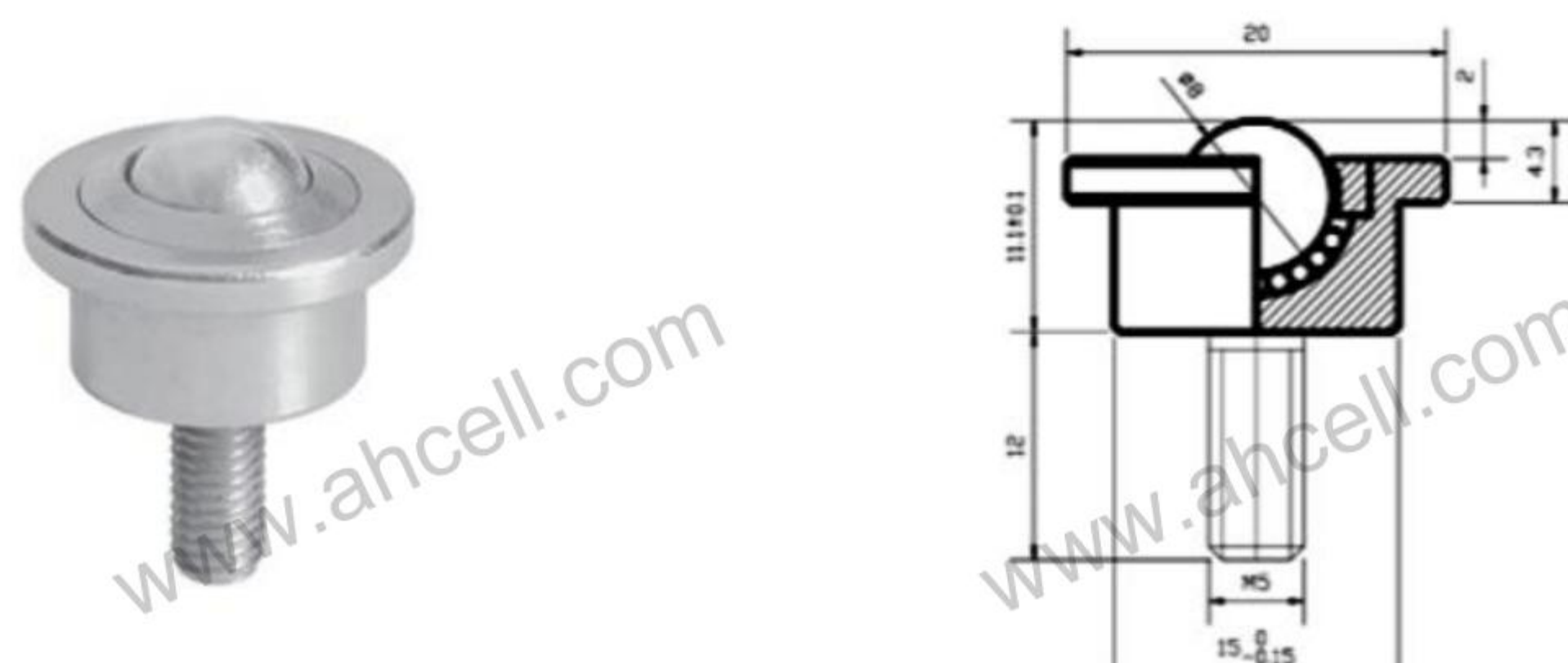
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-100	4500	5000	20.000



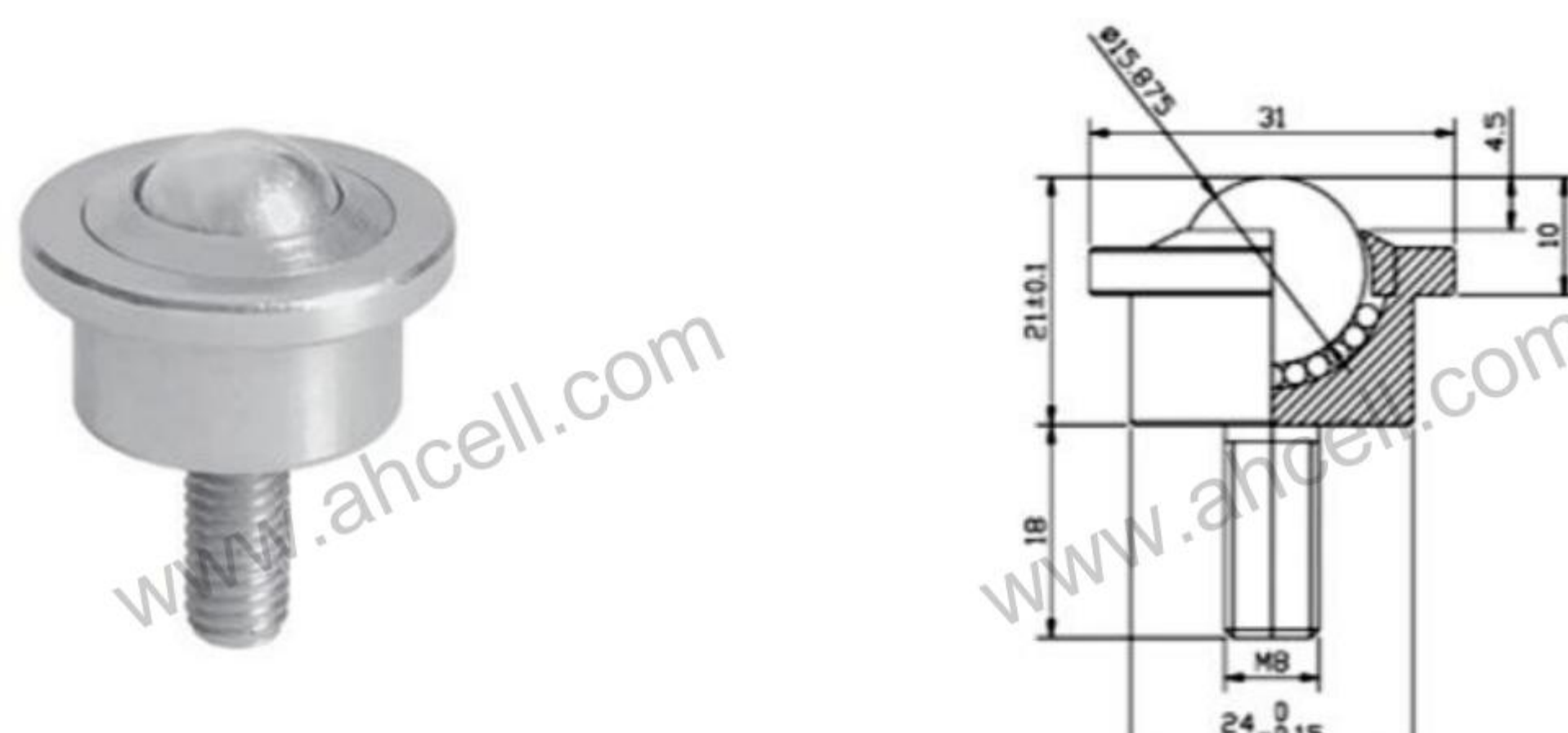
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-150	6000	6500	25.000

Bolt Fix Heavy Duty Series

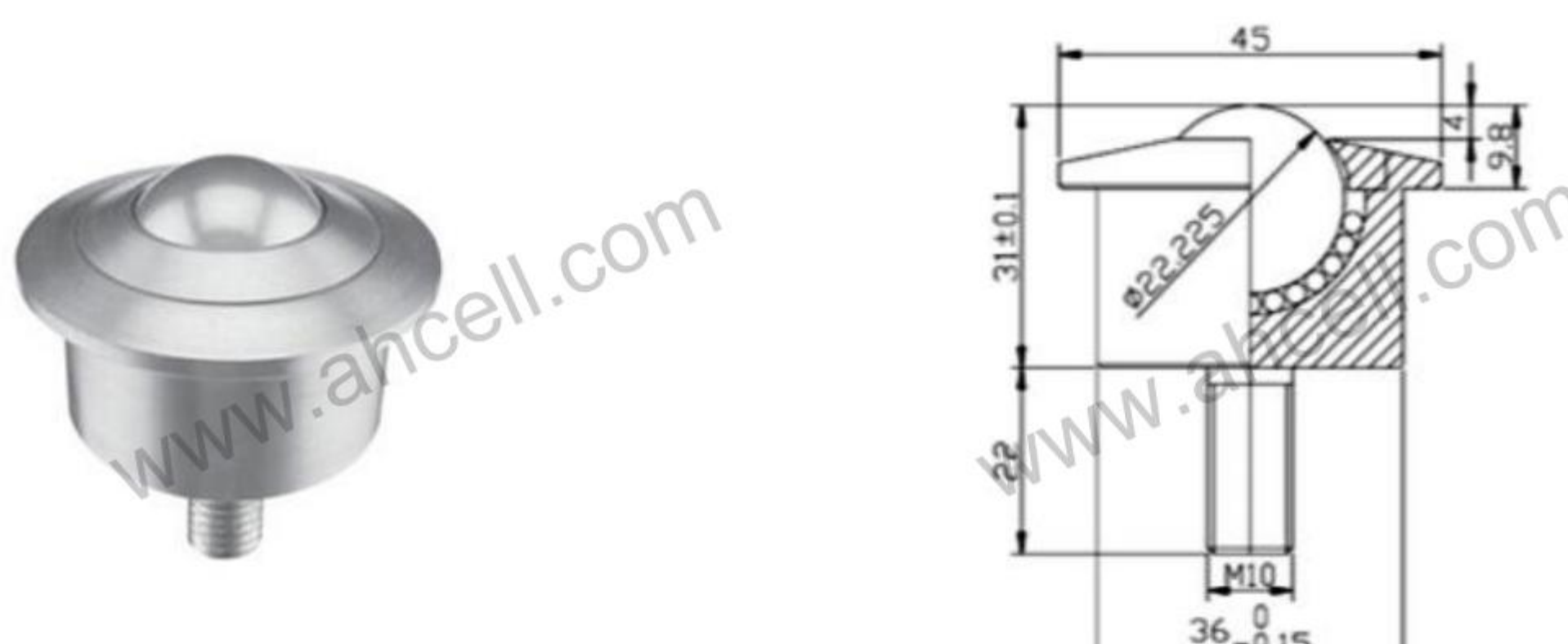
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



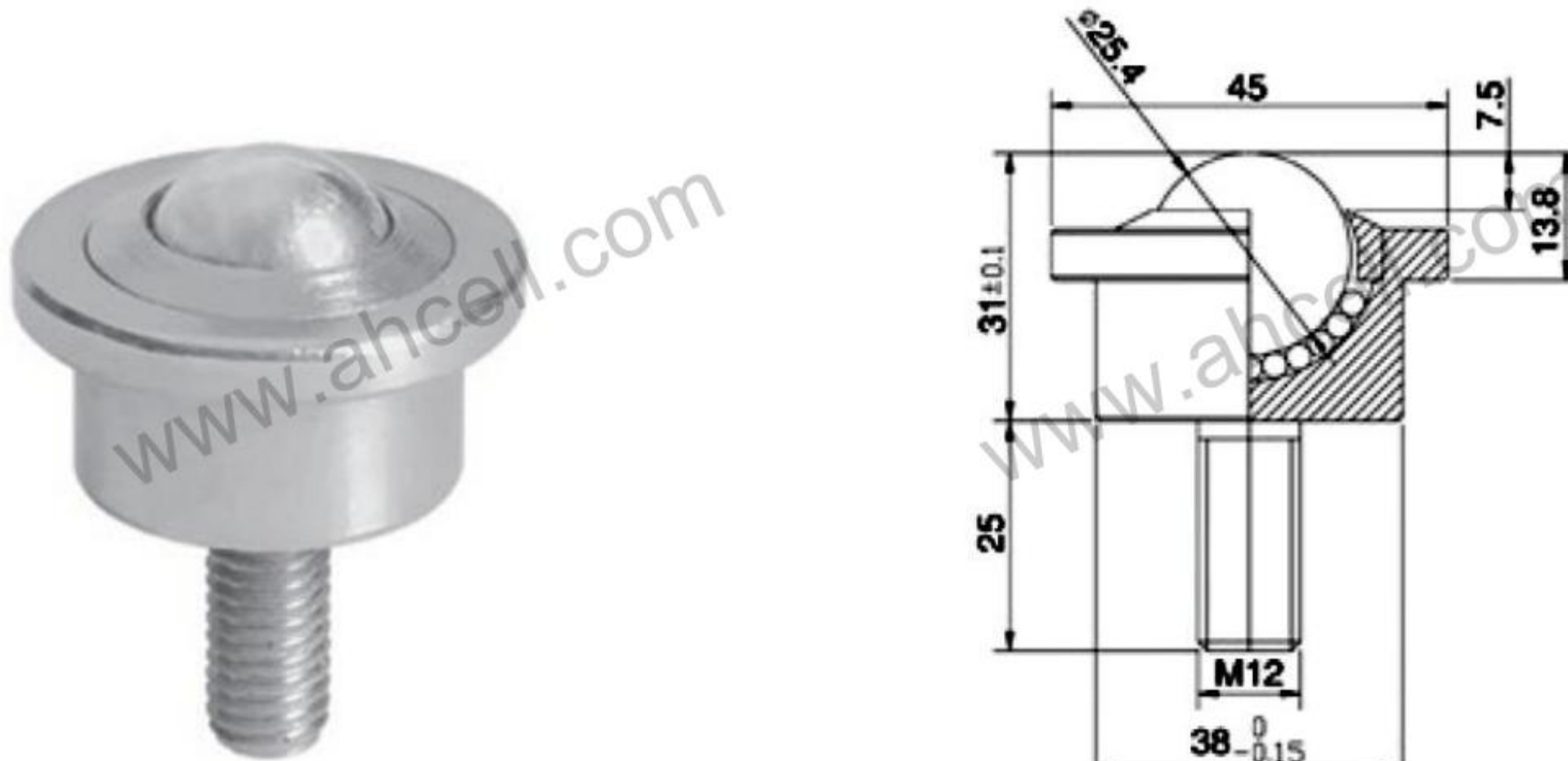
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-8FL	8	15	0.020



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-15FL	40	45	0.085



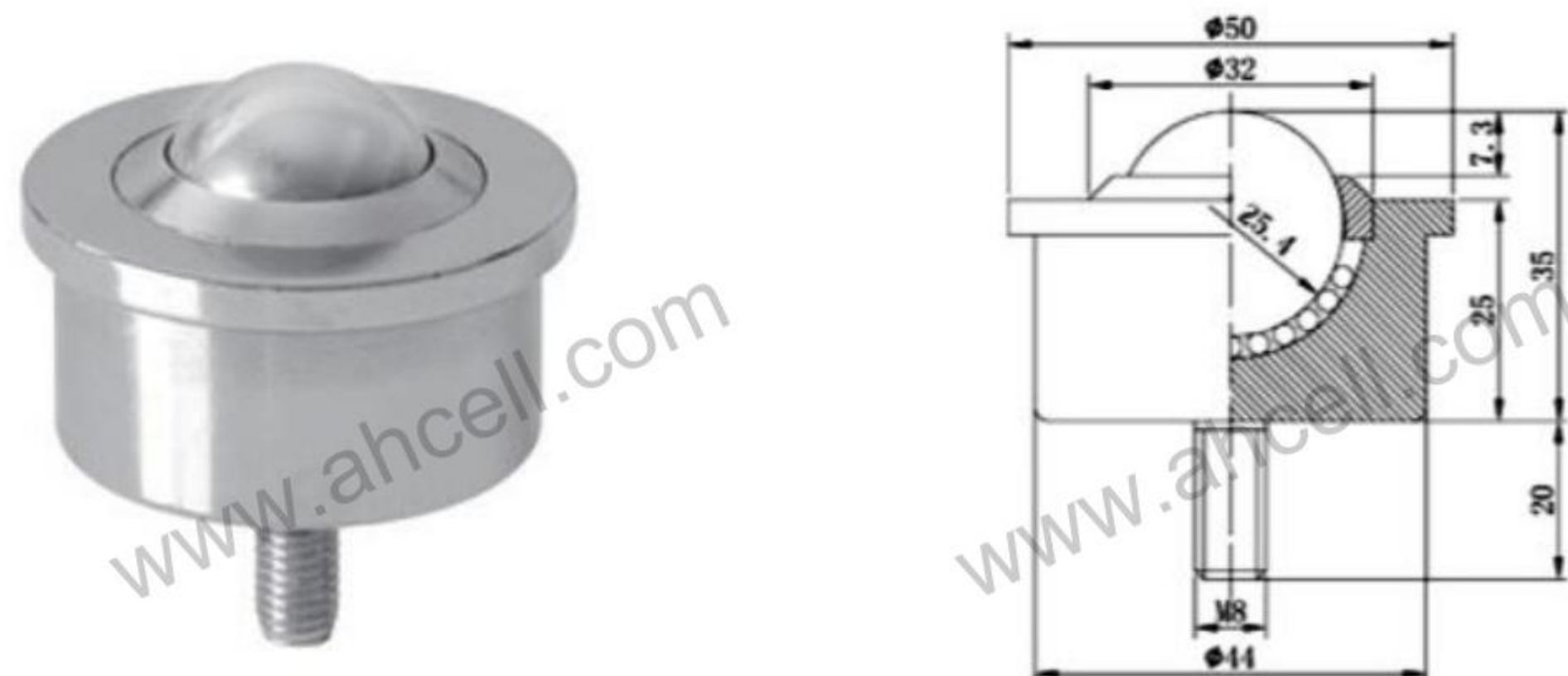
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-22FL	140	160	0.250



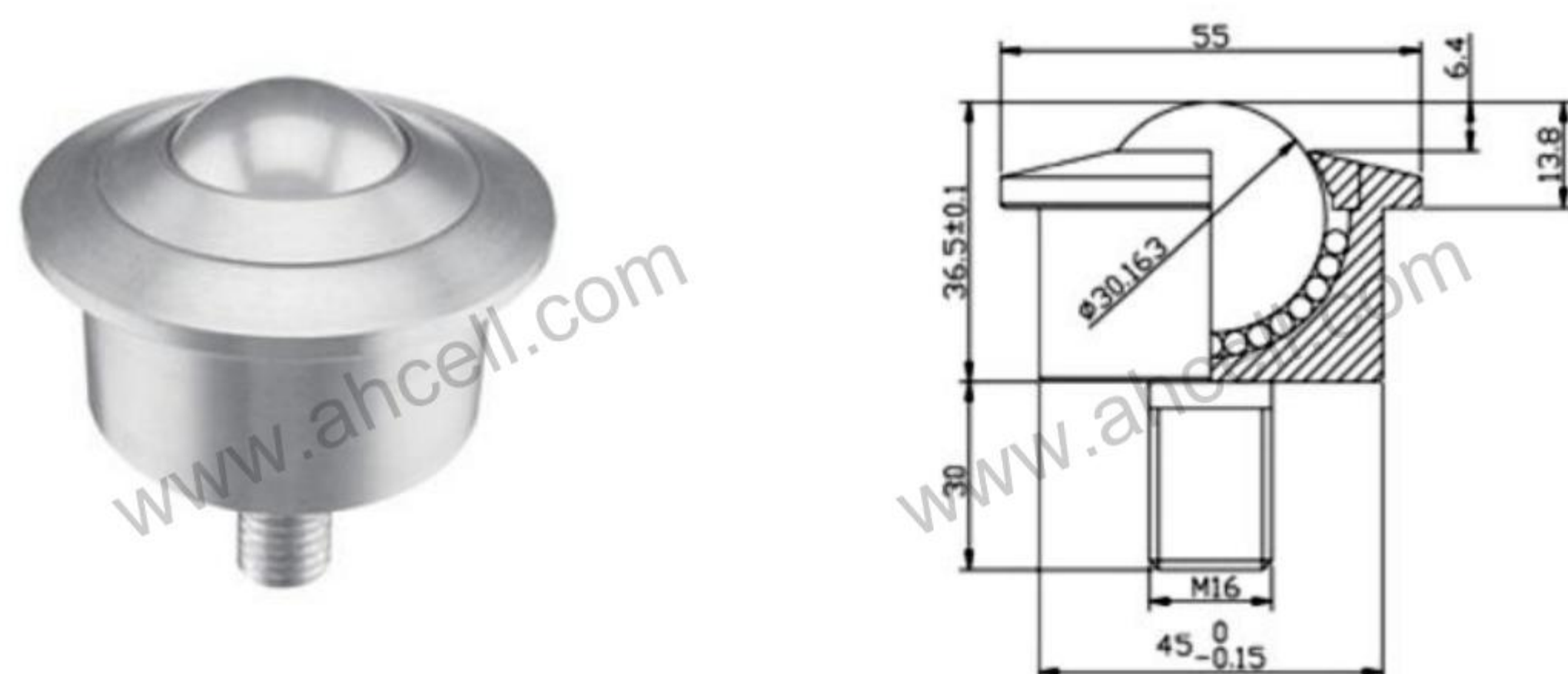
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
SP-25FL	180	200	0.280

Bolt Fix Heavy Duty Series

Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



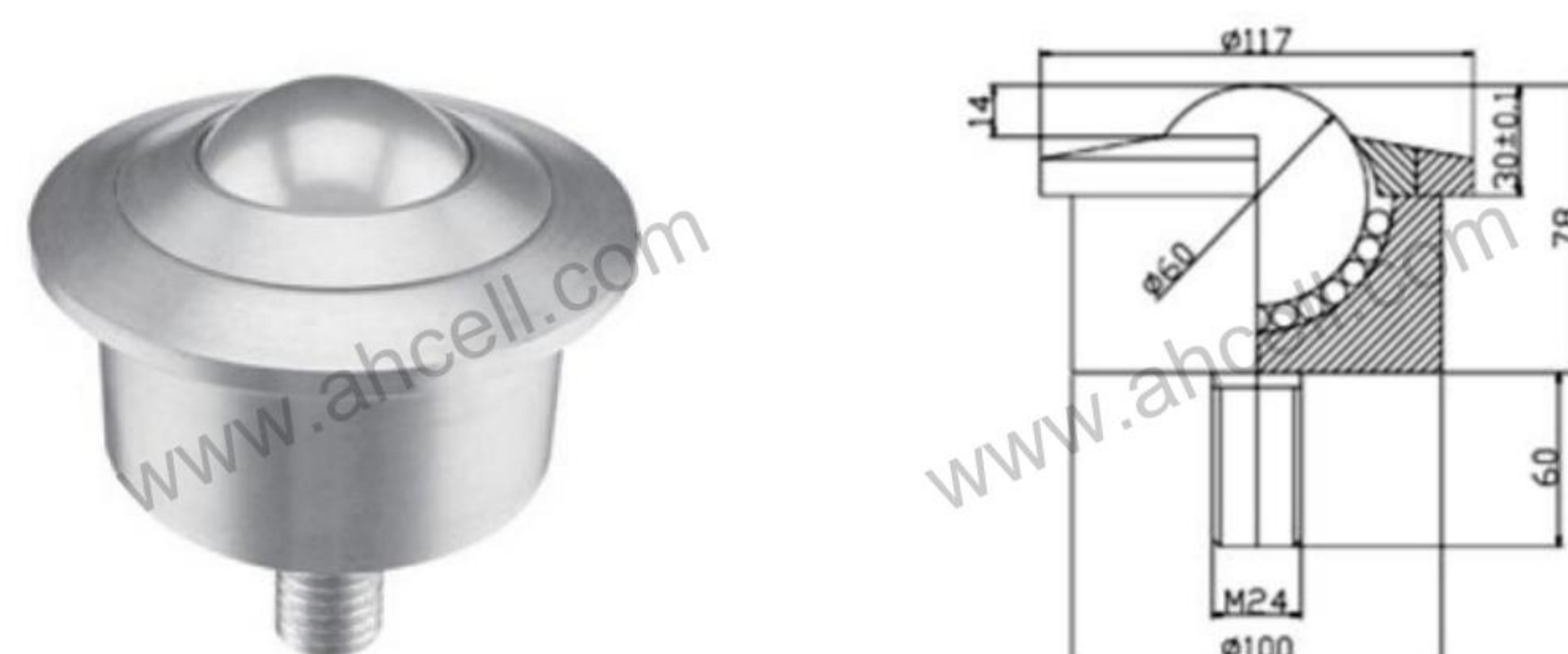
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
SP-25FK	150	200	0.250



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
SP-30FL	200	250	0.410



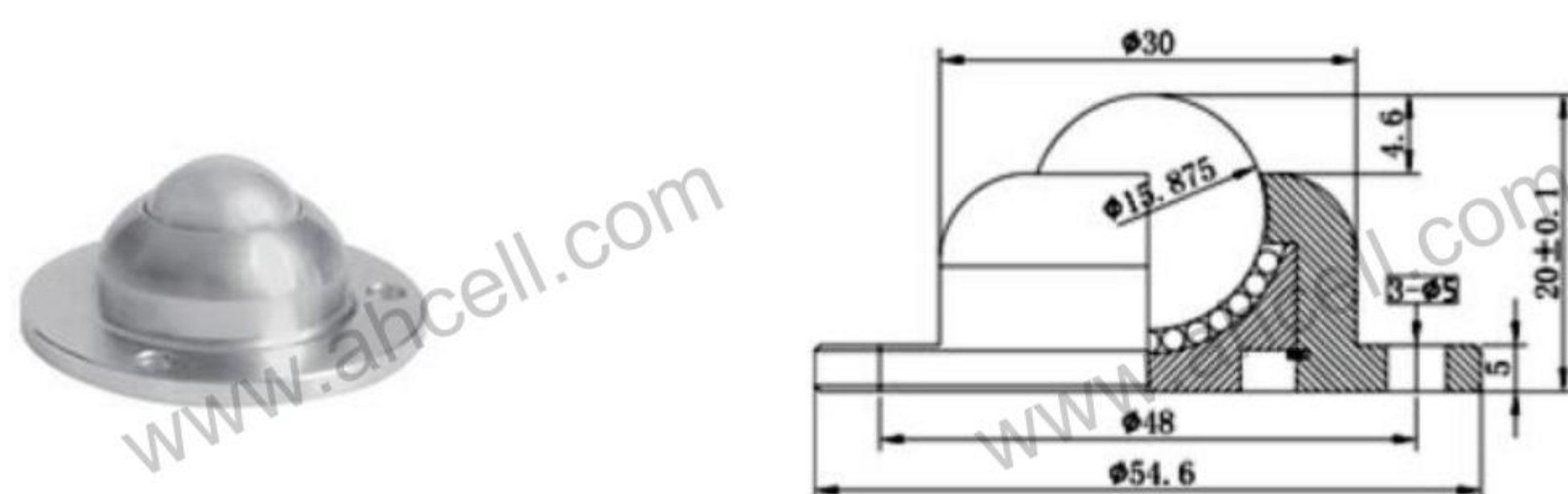
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
SP-45FL	400	450	1.150



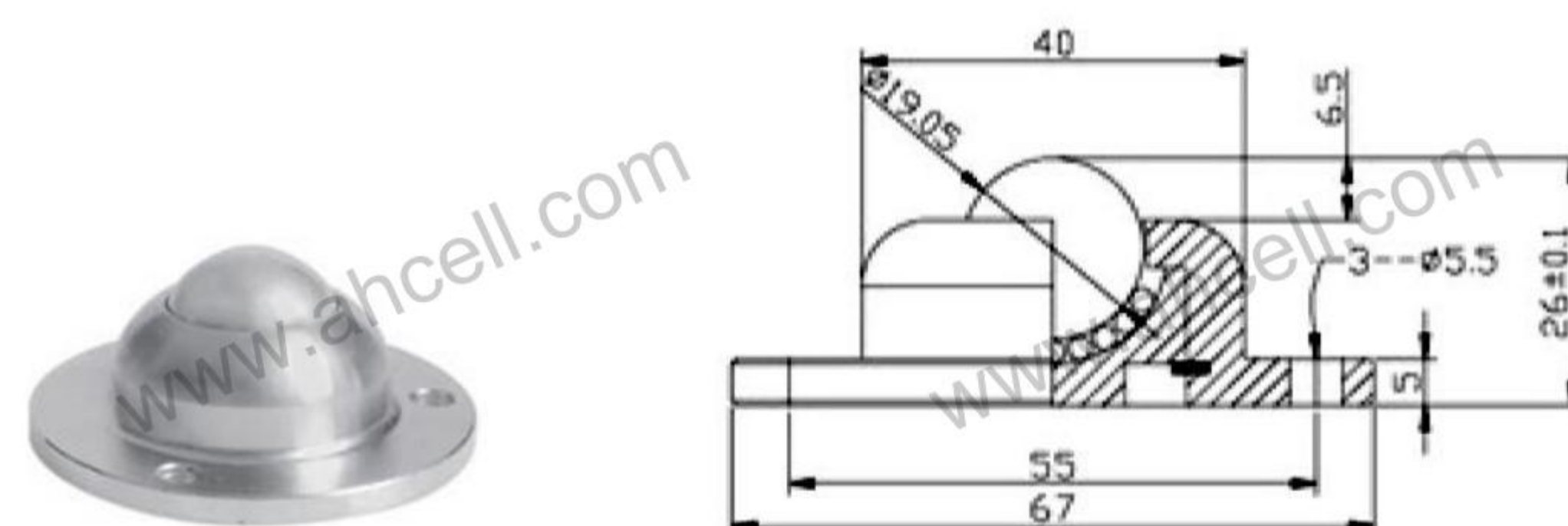
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
SP-60FL	800	1200	4.000

Flange Mount Machined Series

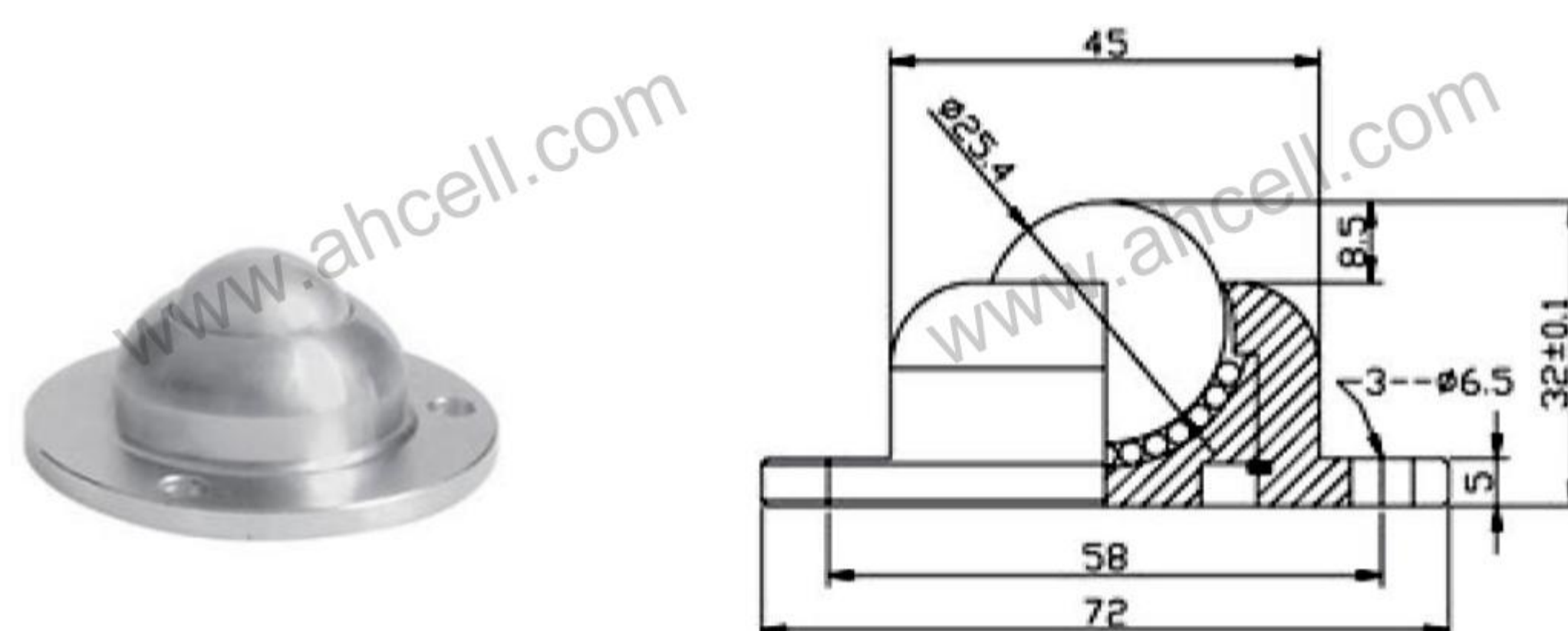
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



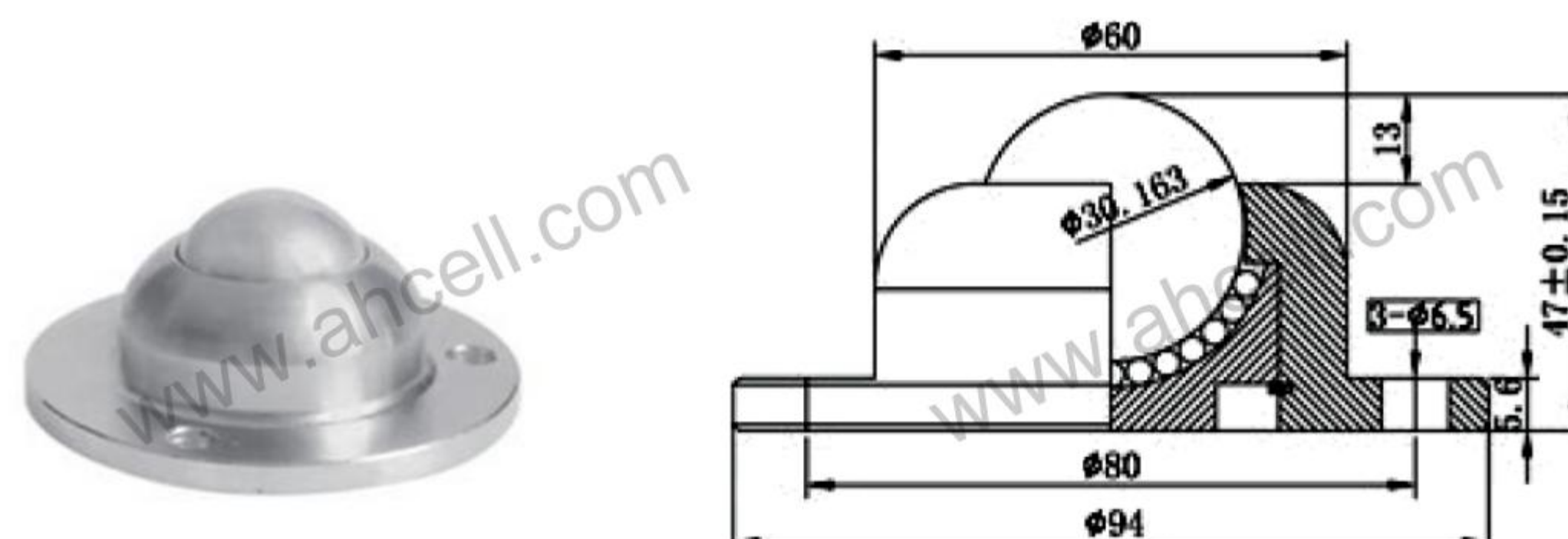
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-15	40	50	0.120



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-19	80	100	0.220



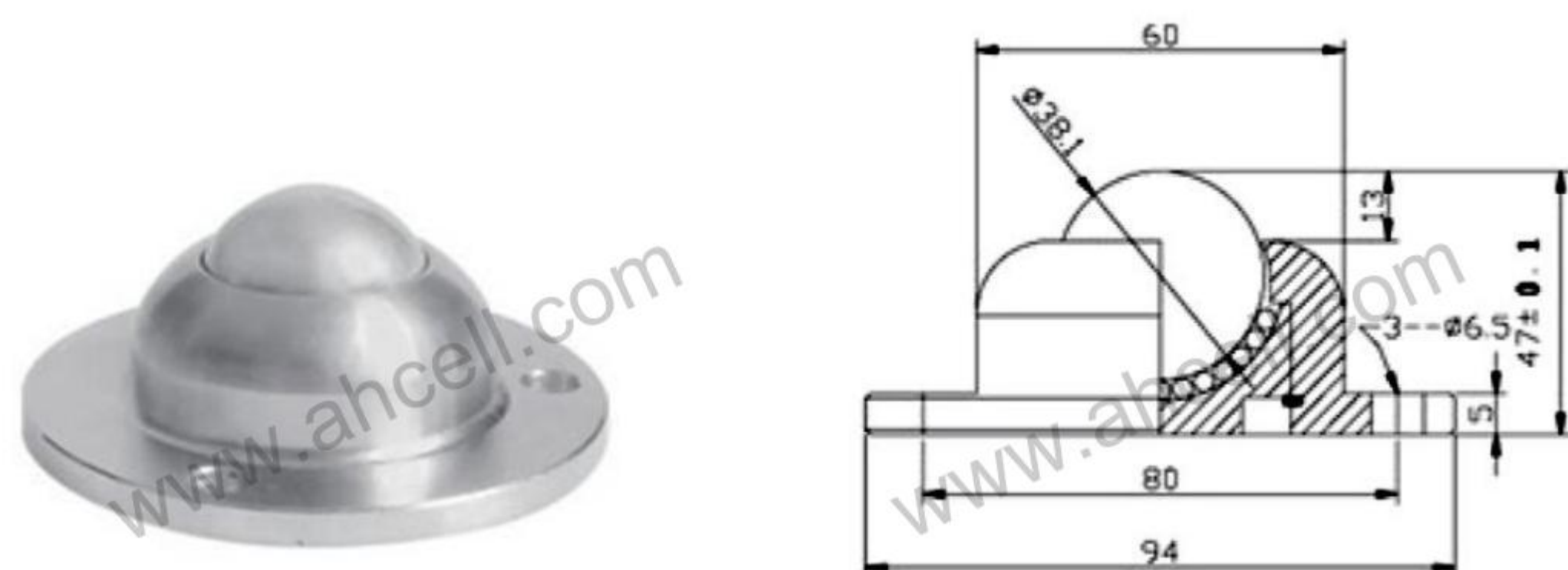
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-25	130	150	0.320



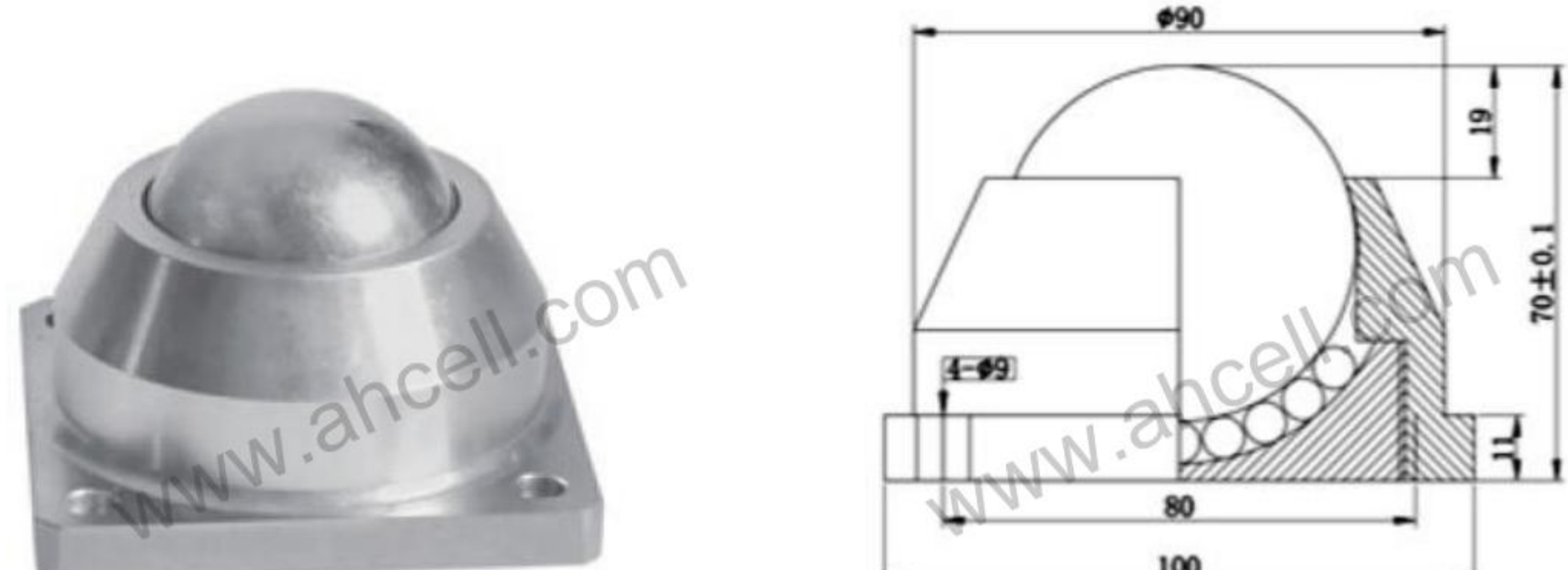
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-30	200	250	0.380

Flange Mount Machined Series

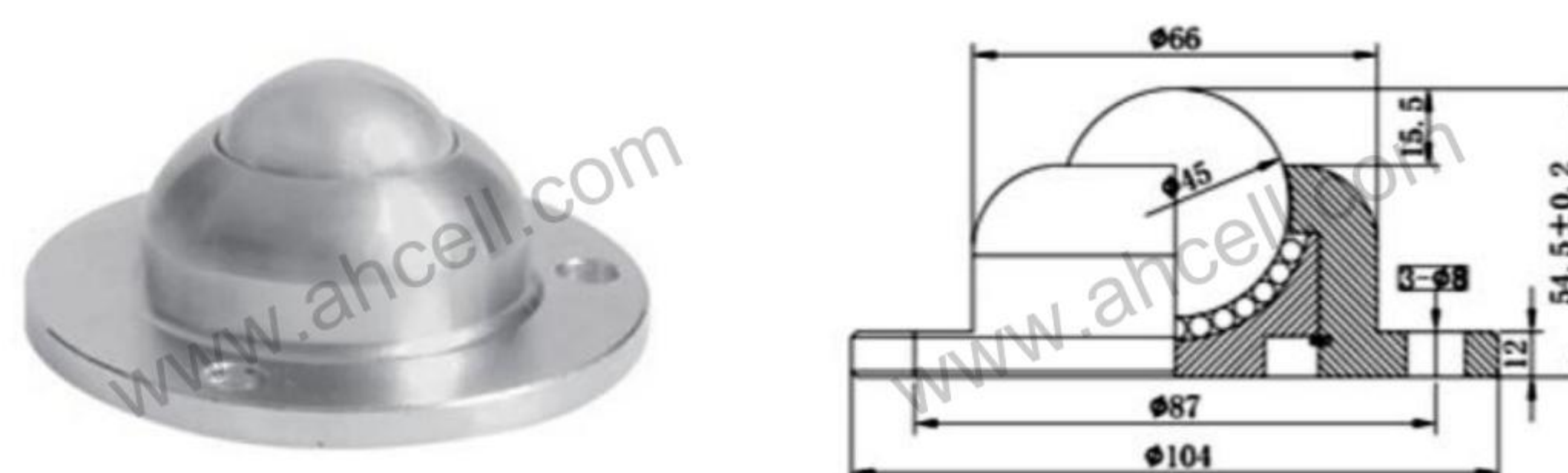
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



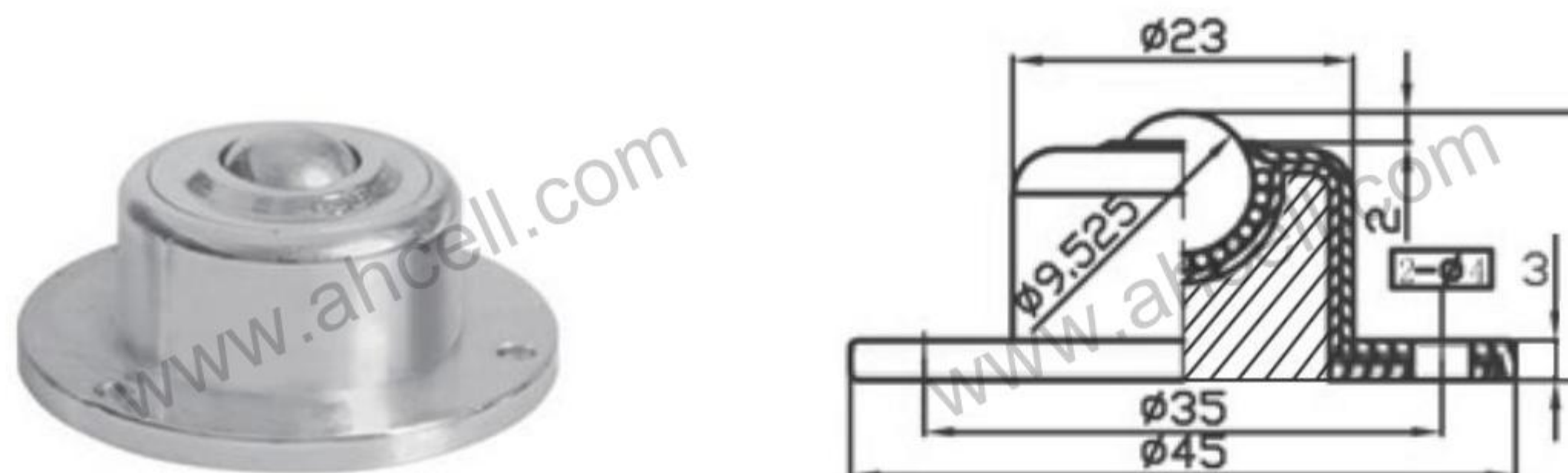
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-38	250	300	0.810



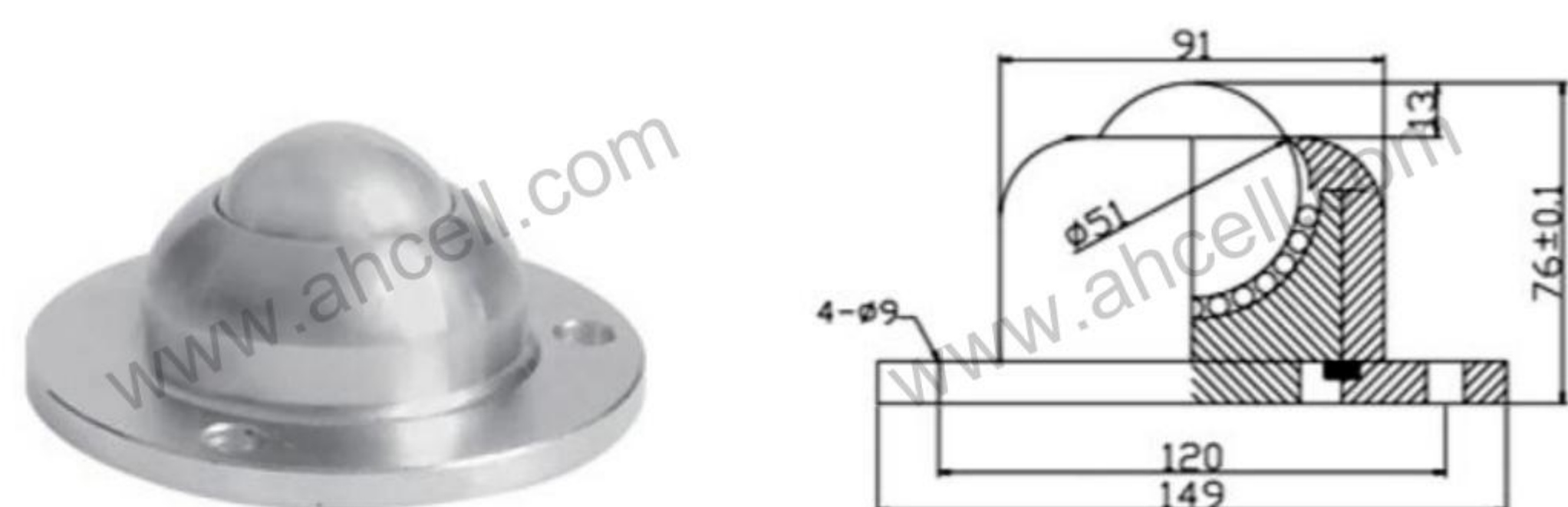
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-FB026	600	800	2.500



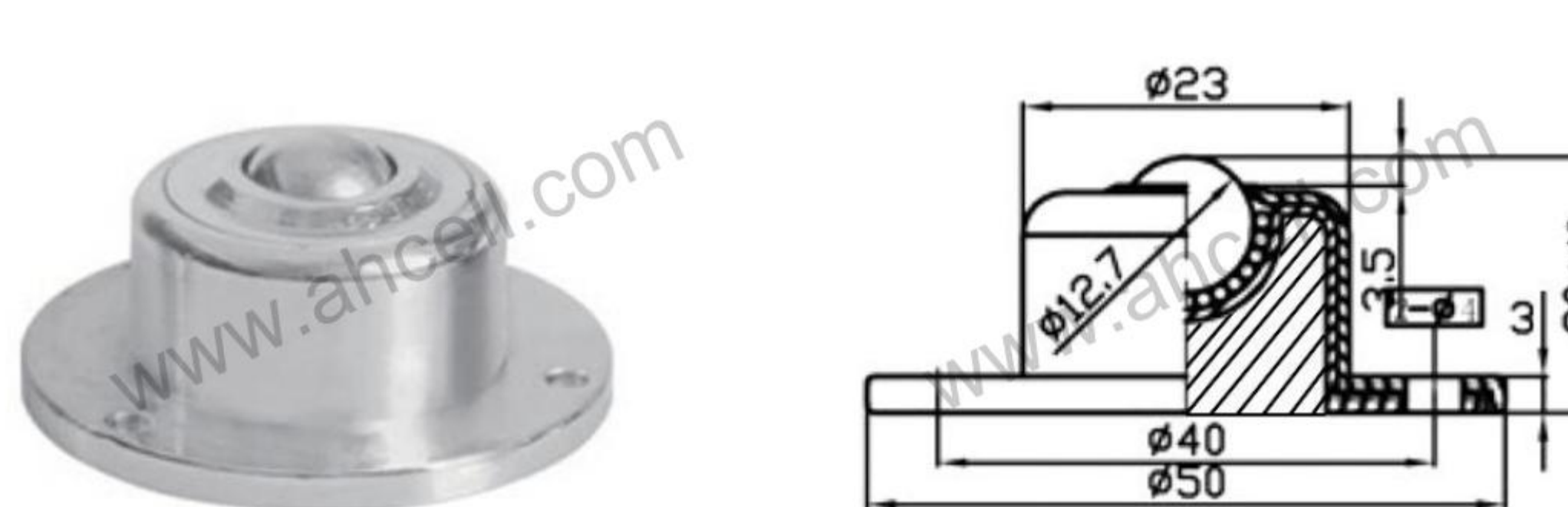
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-45	350	450	1.500



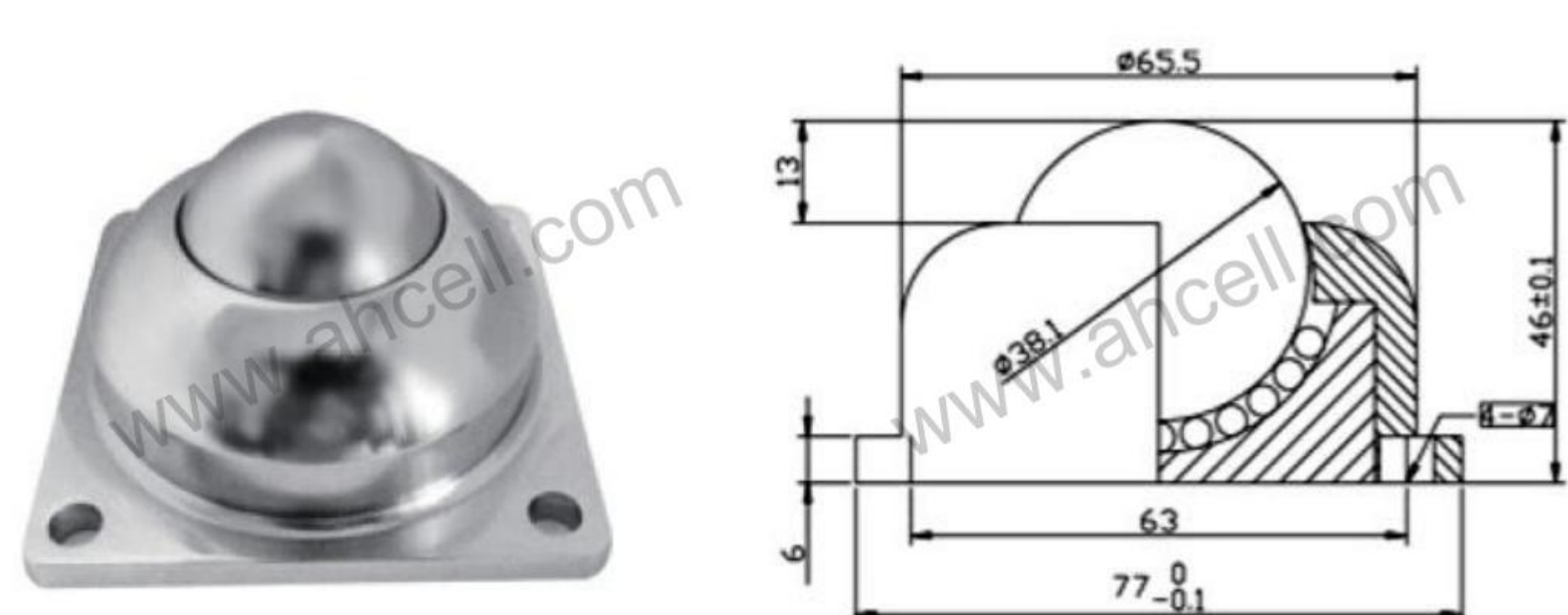
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IS-10	35	40	0.120



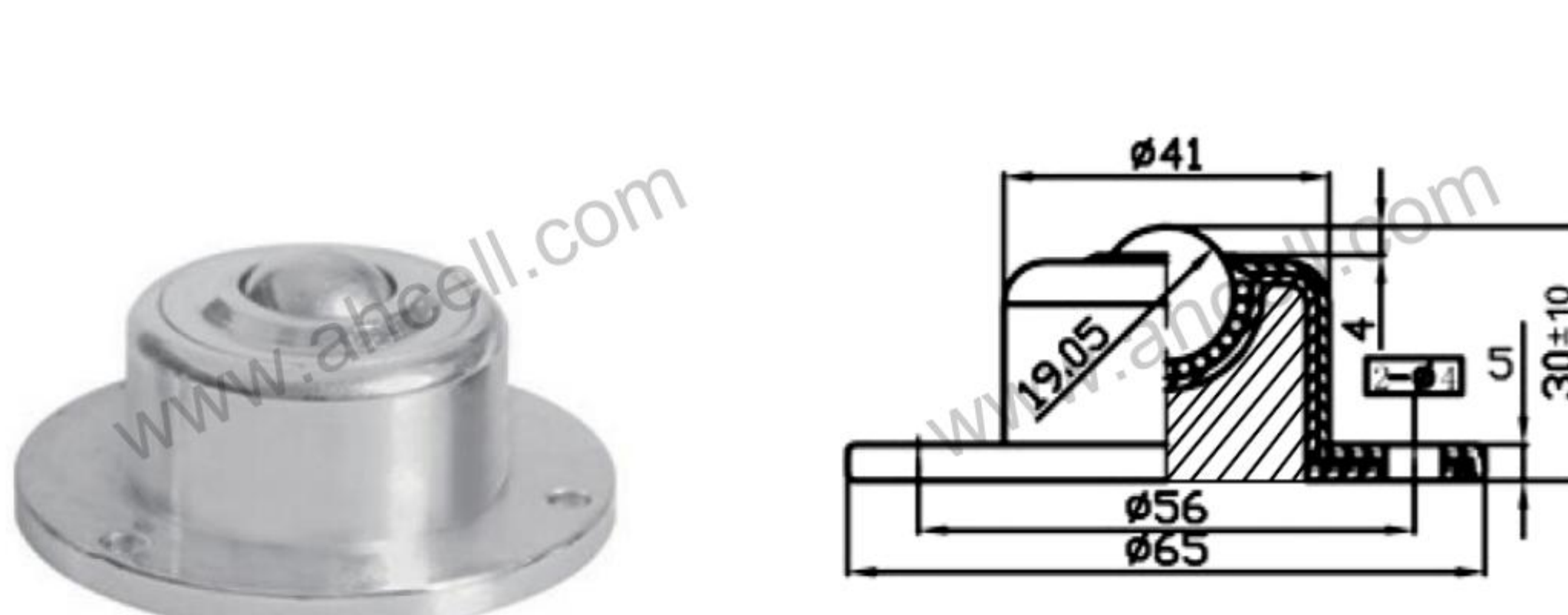
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-51	550	600	4.000



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IS-13	45	50	0.135



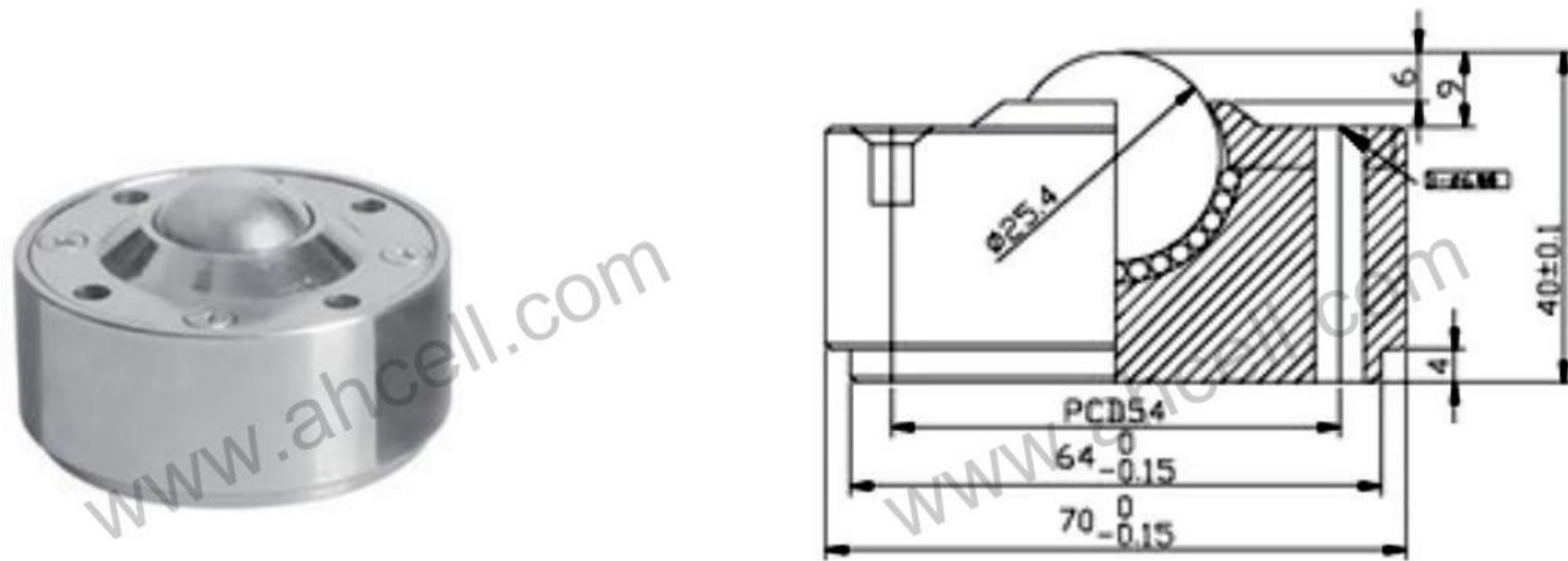
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IA-FB028	400	450	0.890



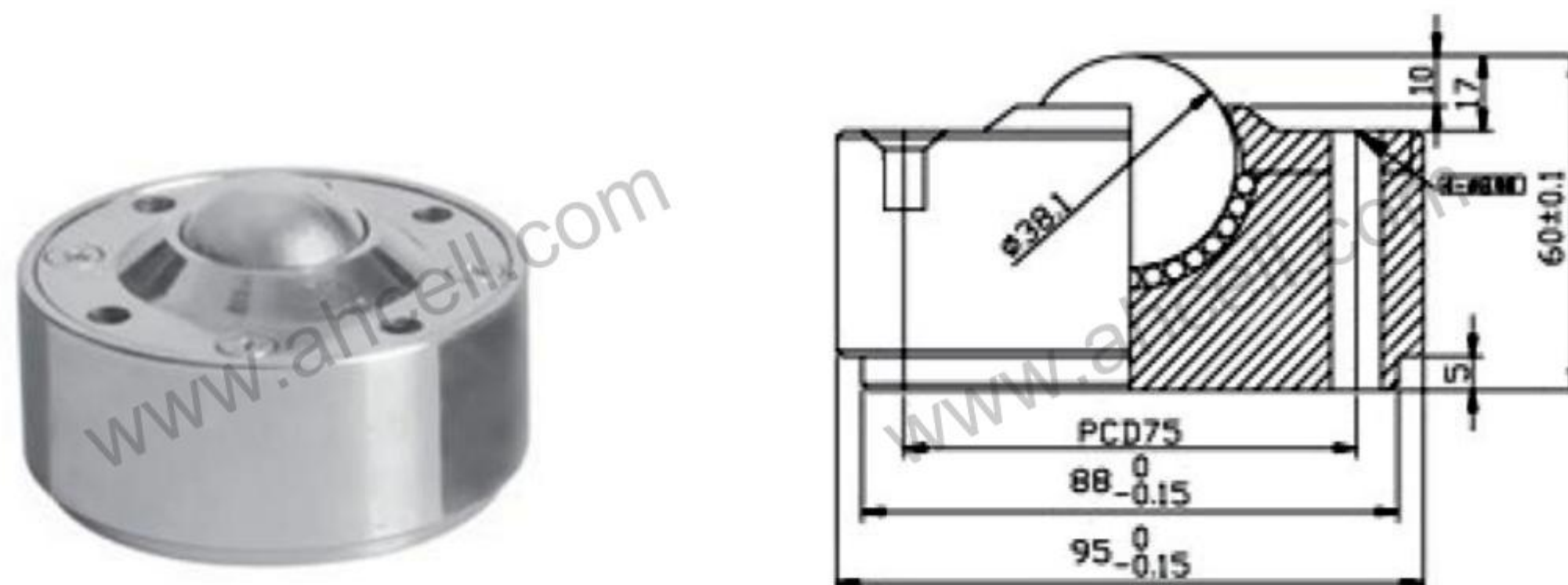
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
IS-19	90	100	0.250

Base Mount Machined Series

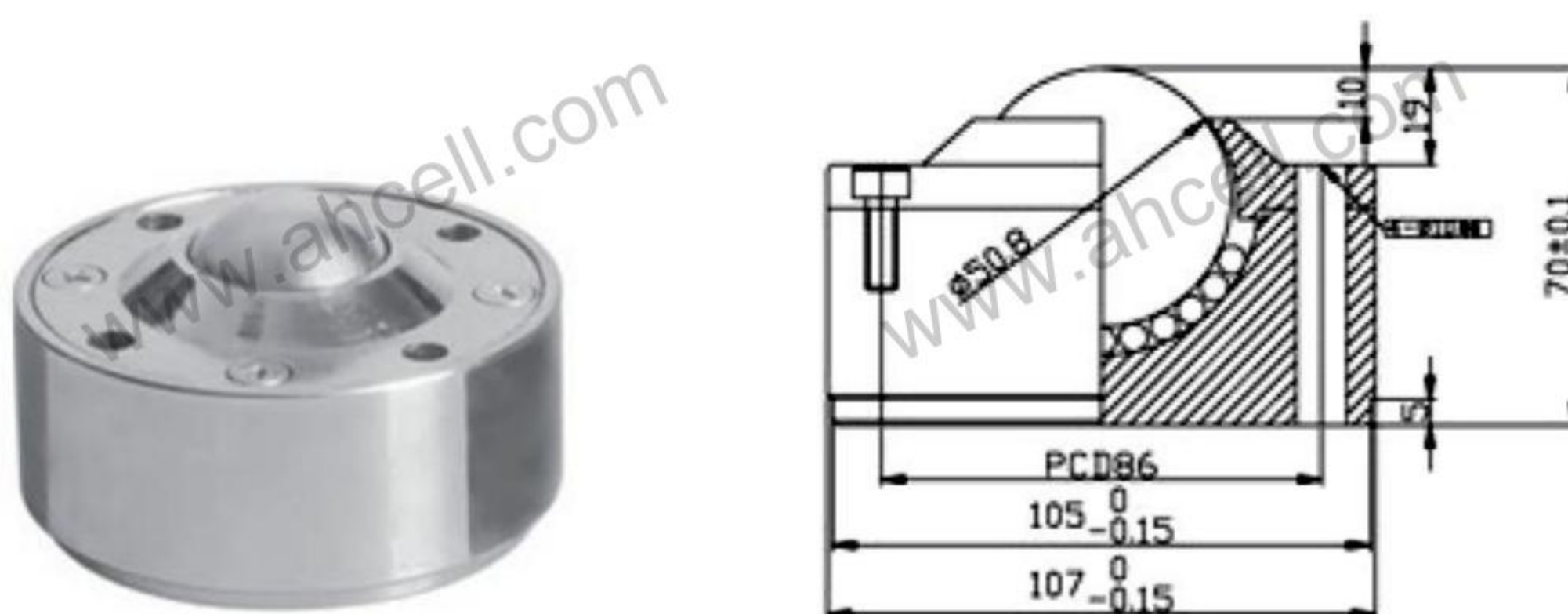
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



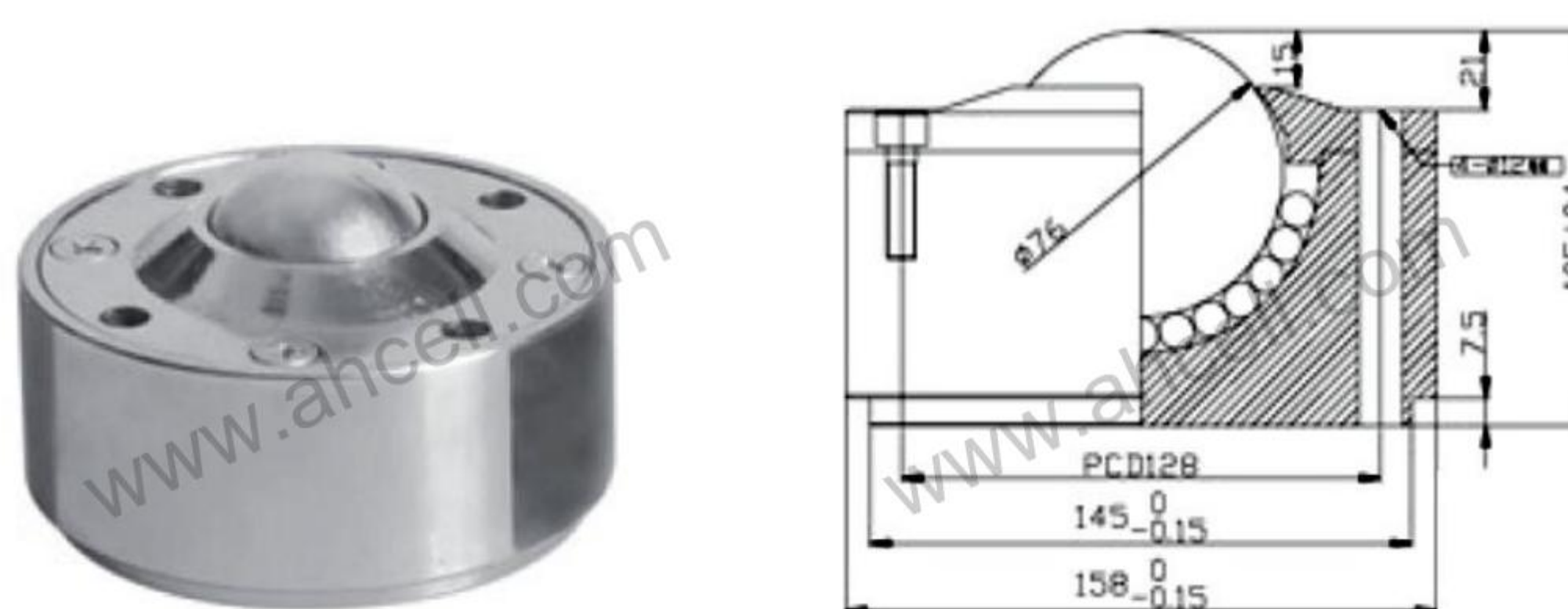
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
IS-25	120	150	0.900



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
IS-38	200	250	2.300



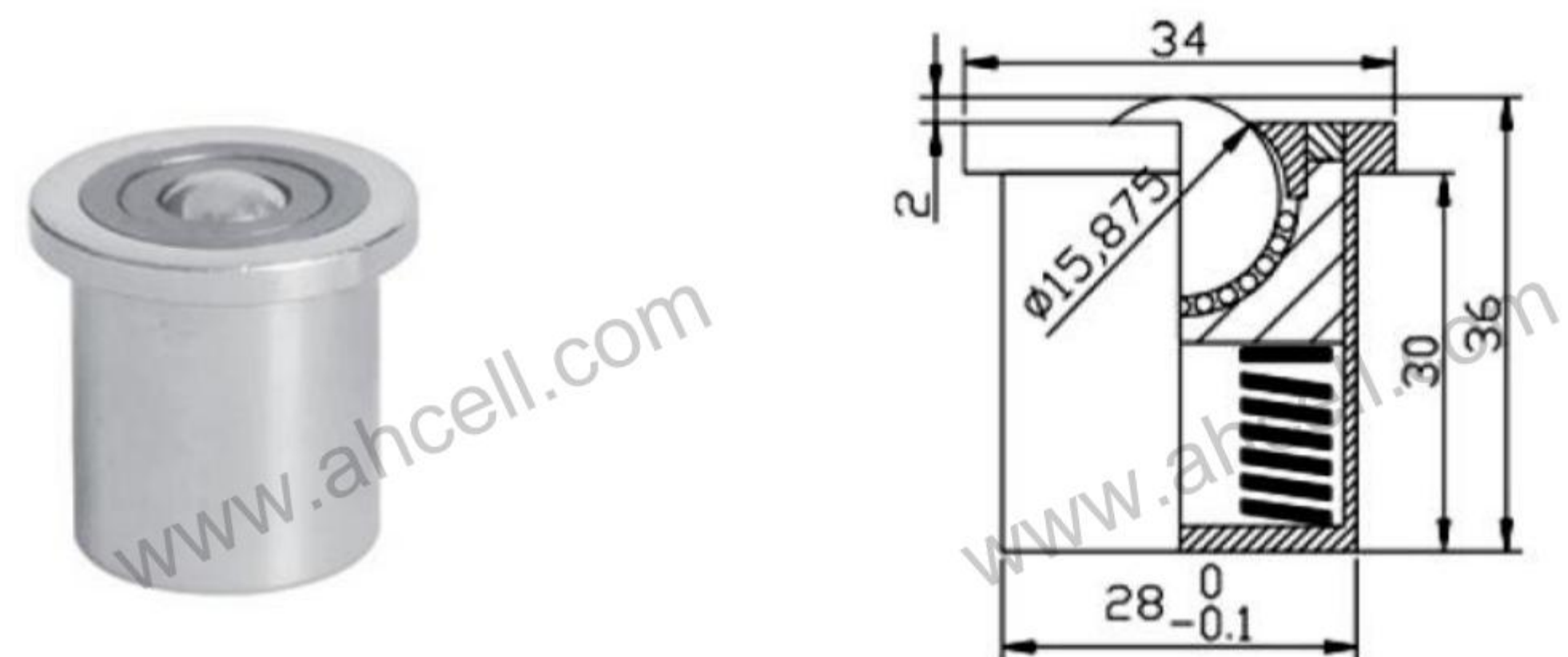
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
IS-51	250	300	4.500



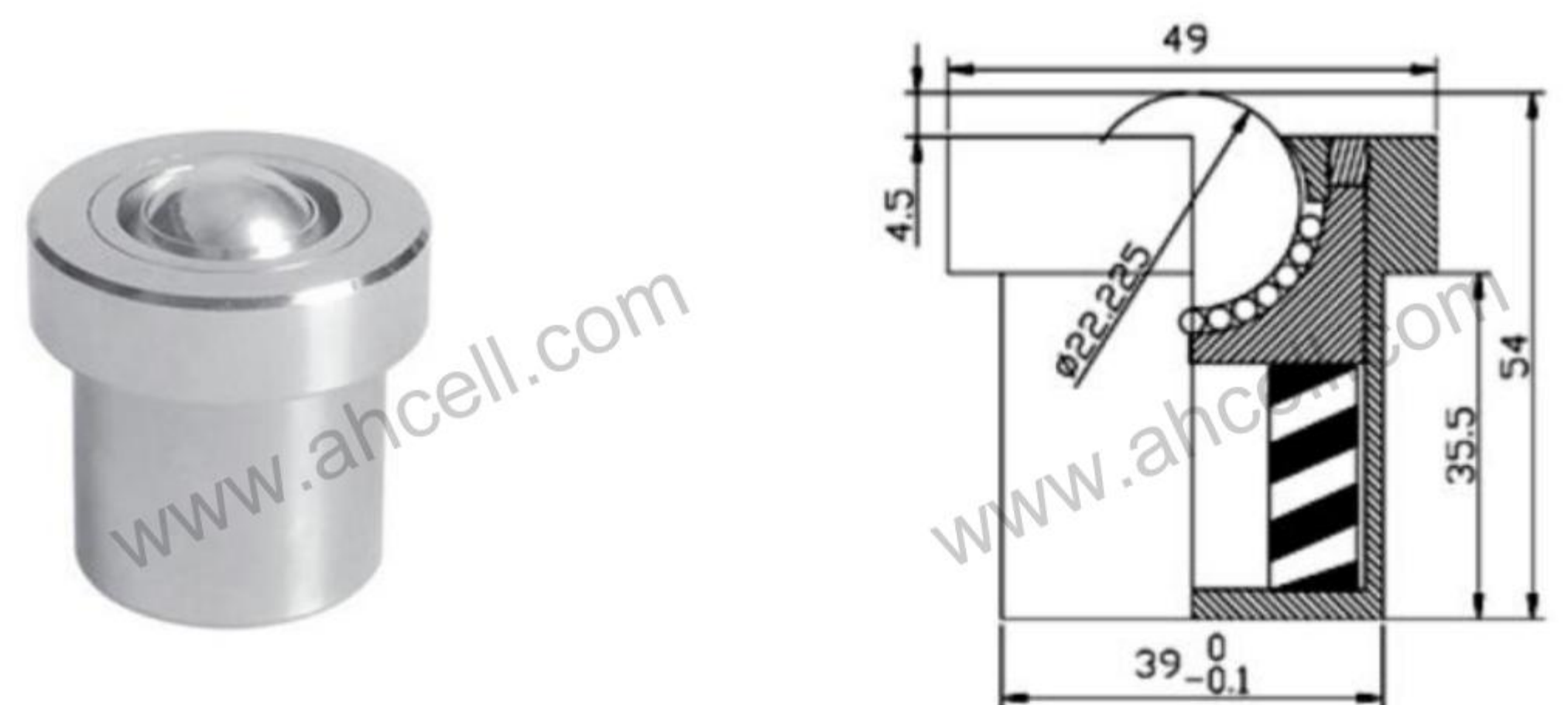
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
IS-76	400	450	10.500

Inner Spring Shock Load Series

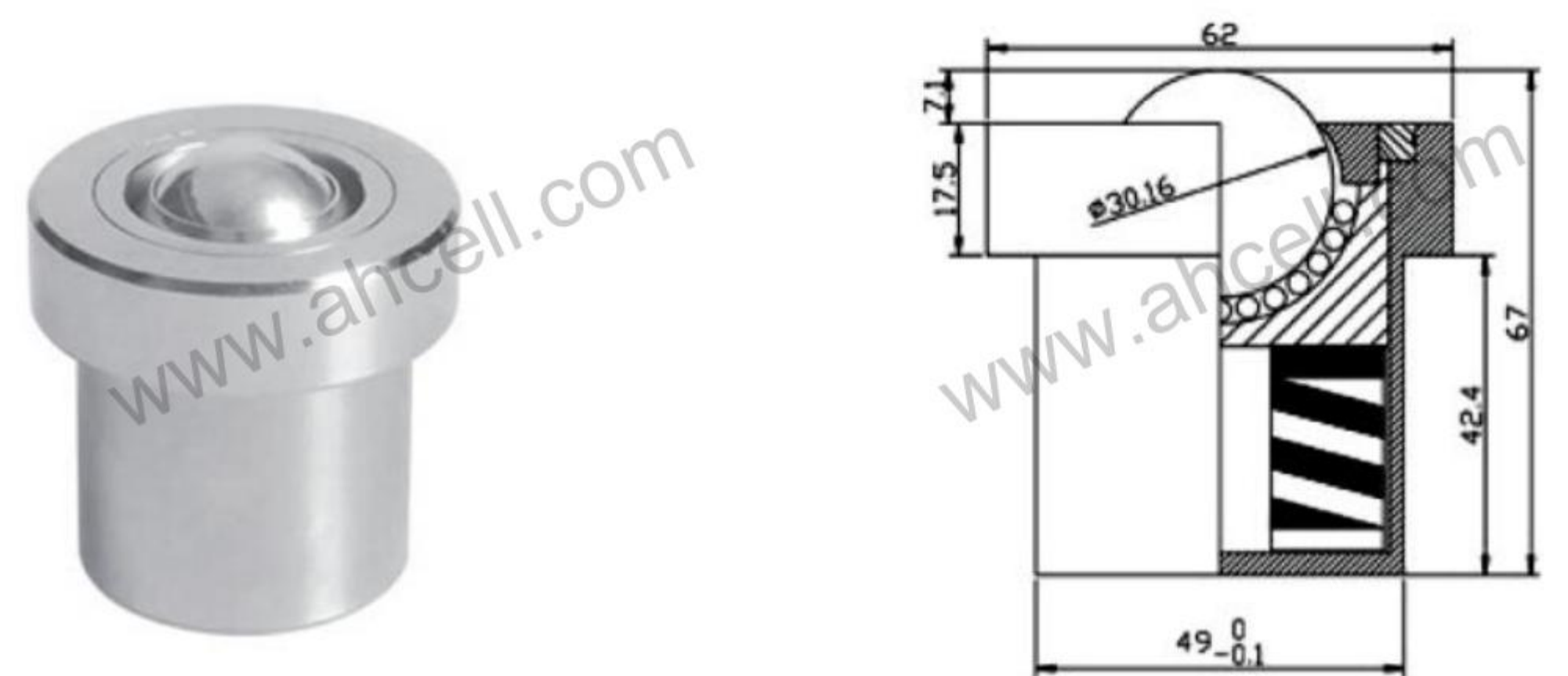
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



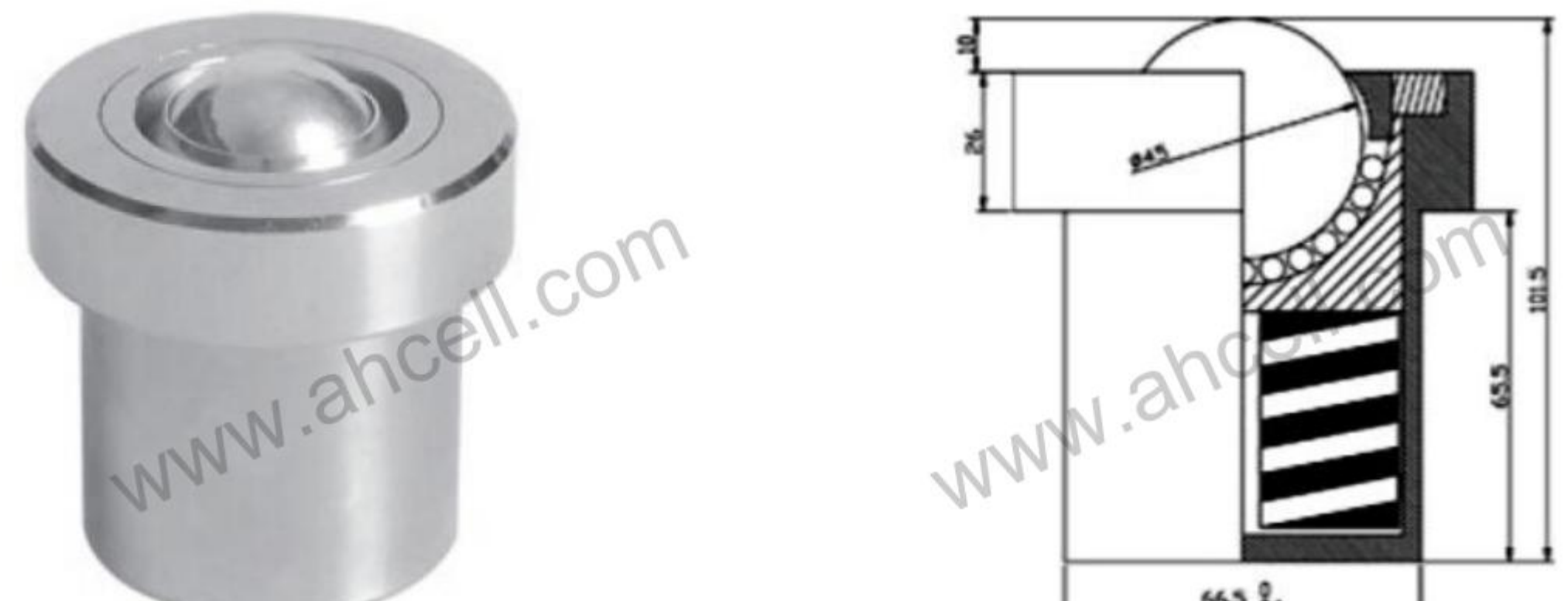
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSF-15	40/50	60	0.130



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSF-22	60/70	80	0.350



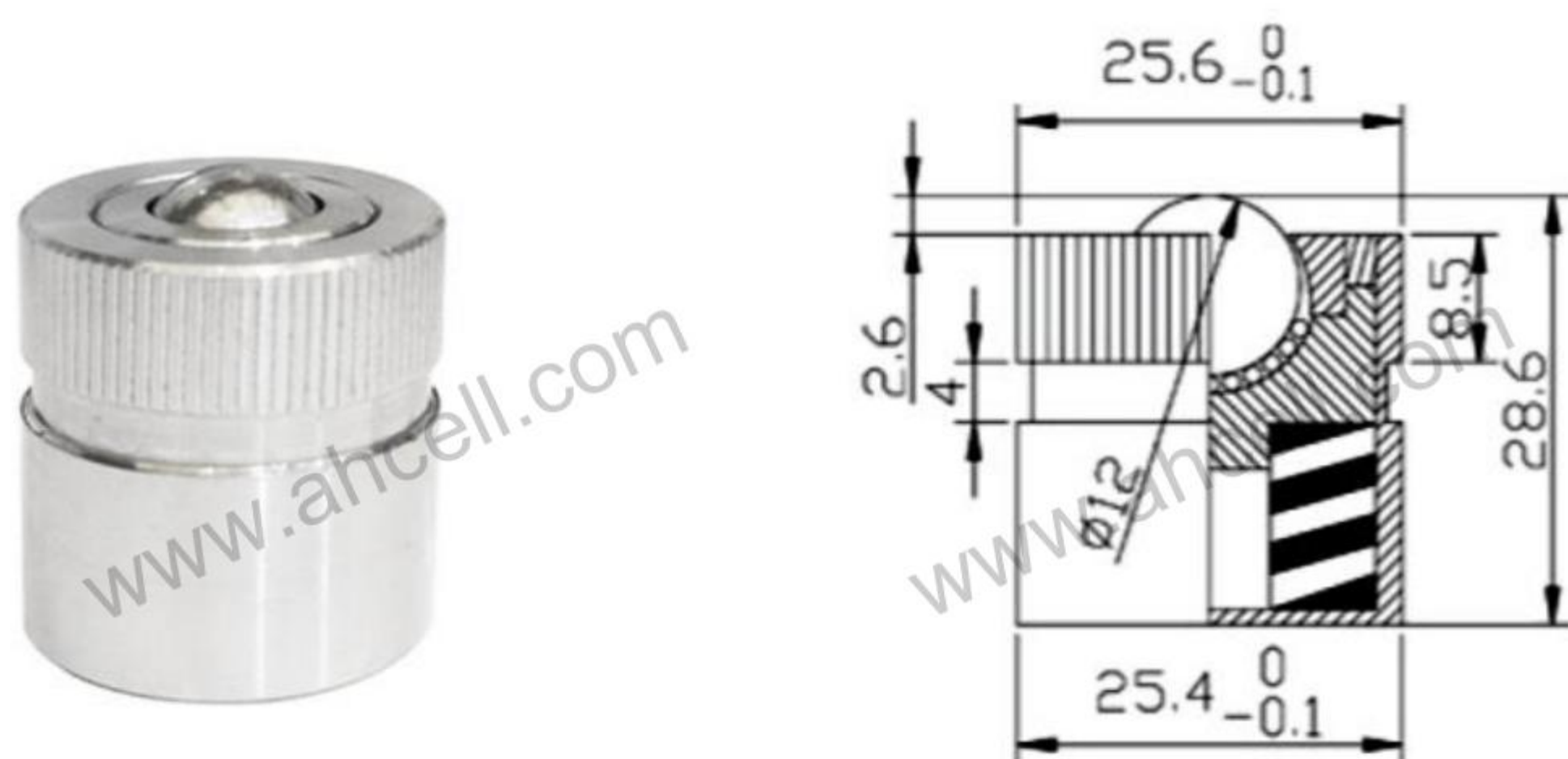
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSF-30	100/120	150	0.768



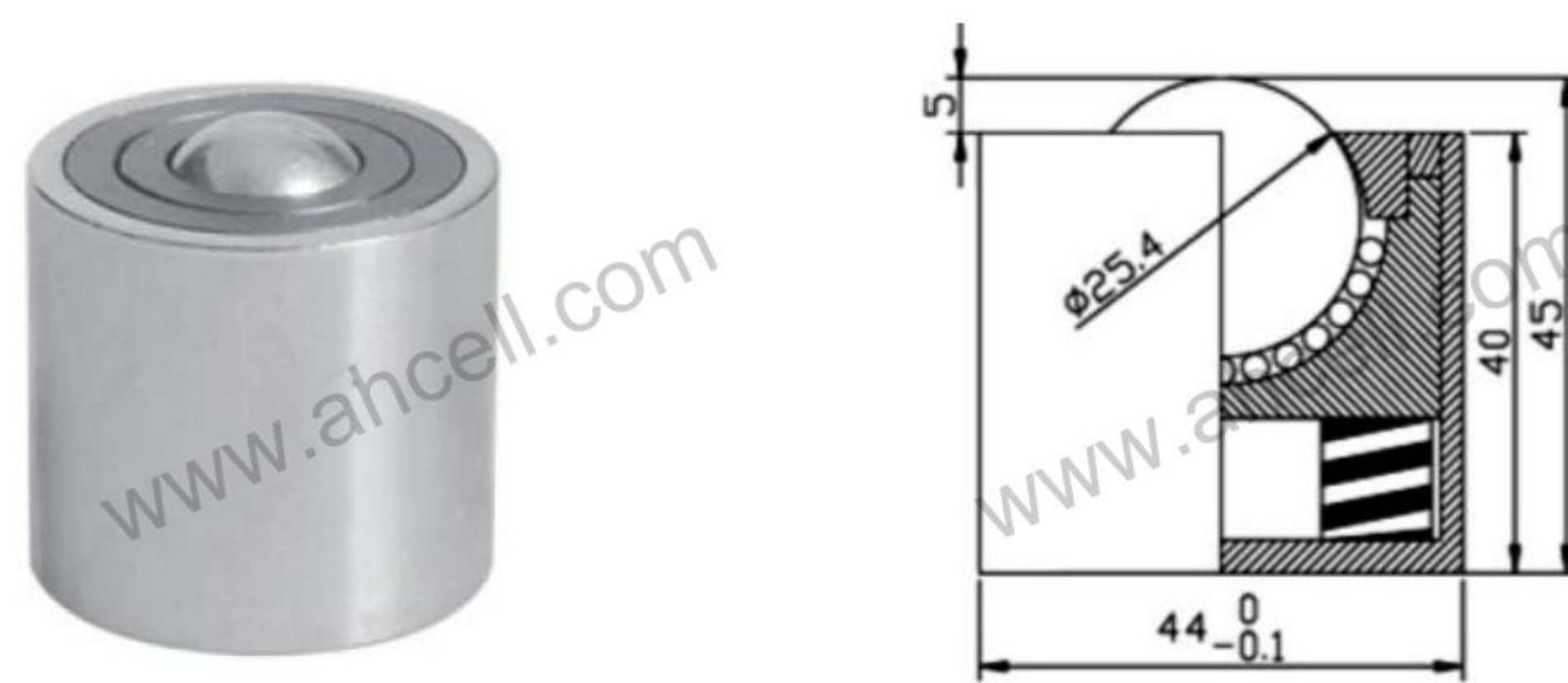
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSF-45	200/250	280	2.120

Inner Spring Shock Load Series

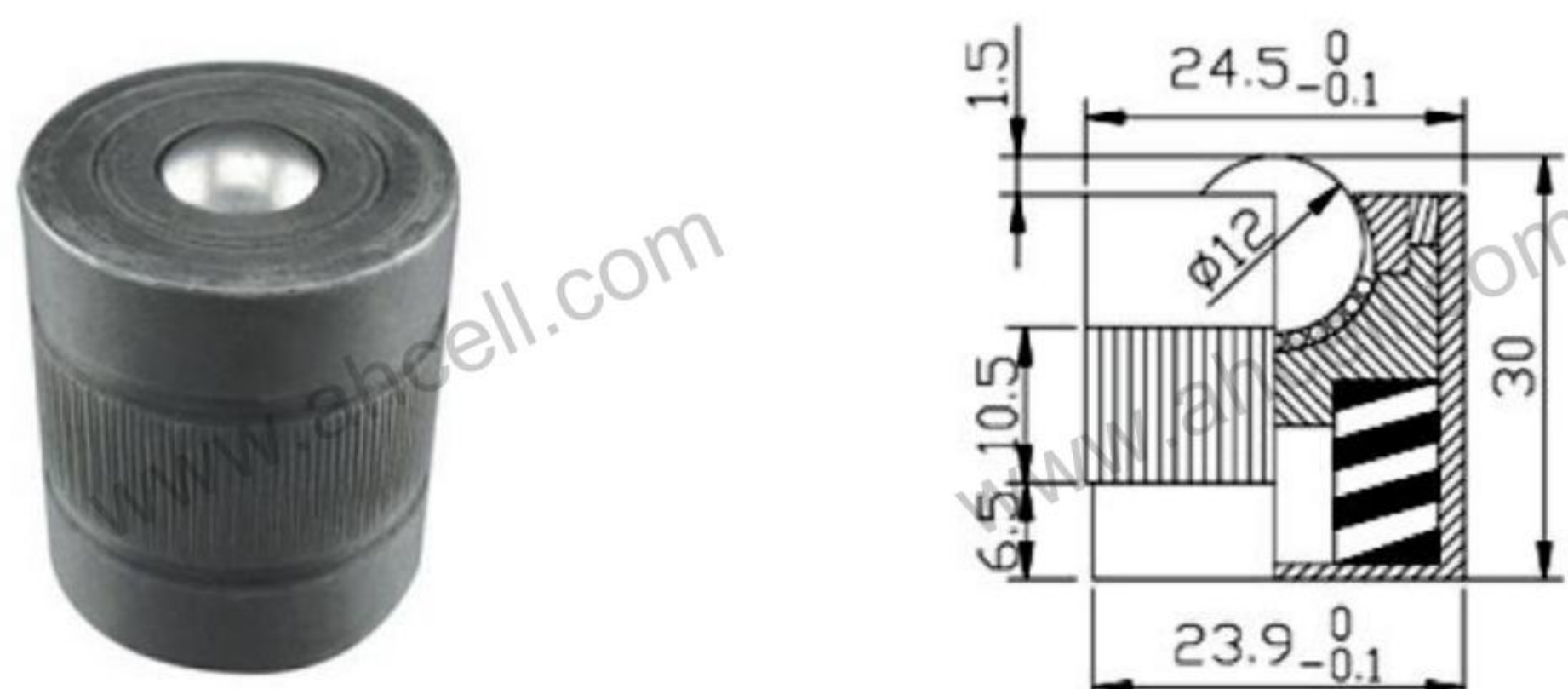
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



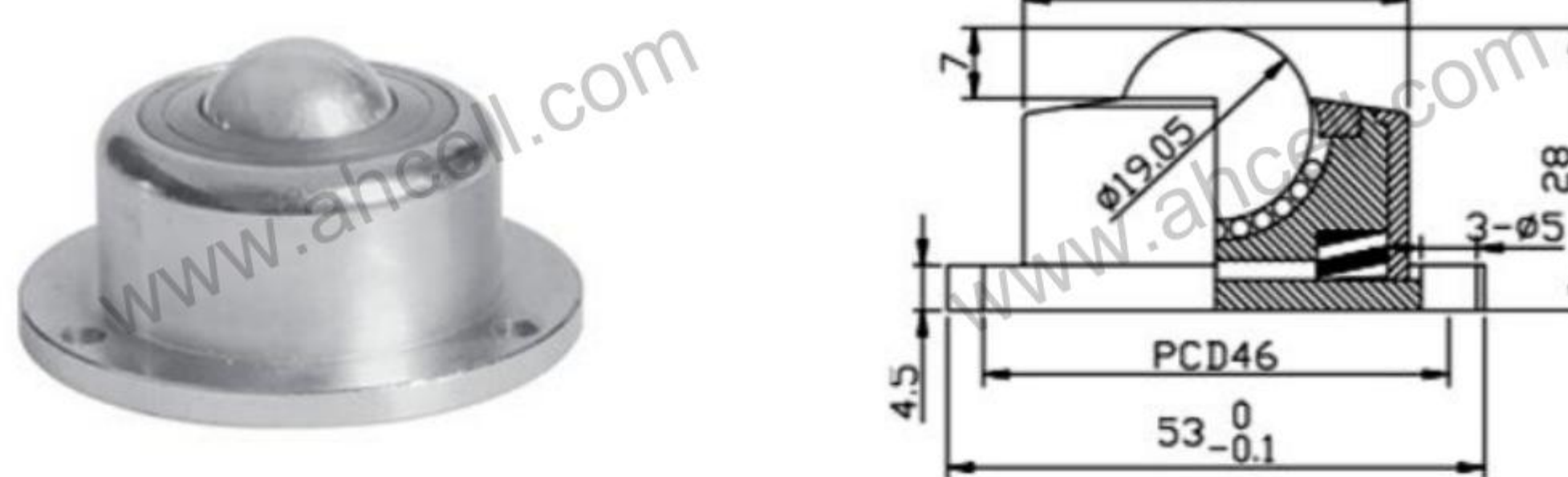
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KST-12	30/30	50	0.180



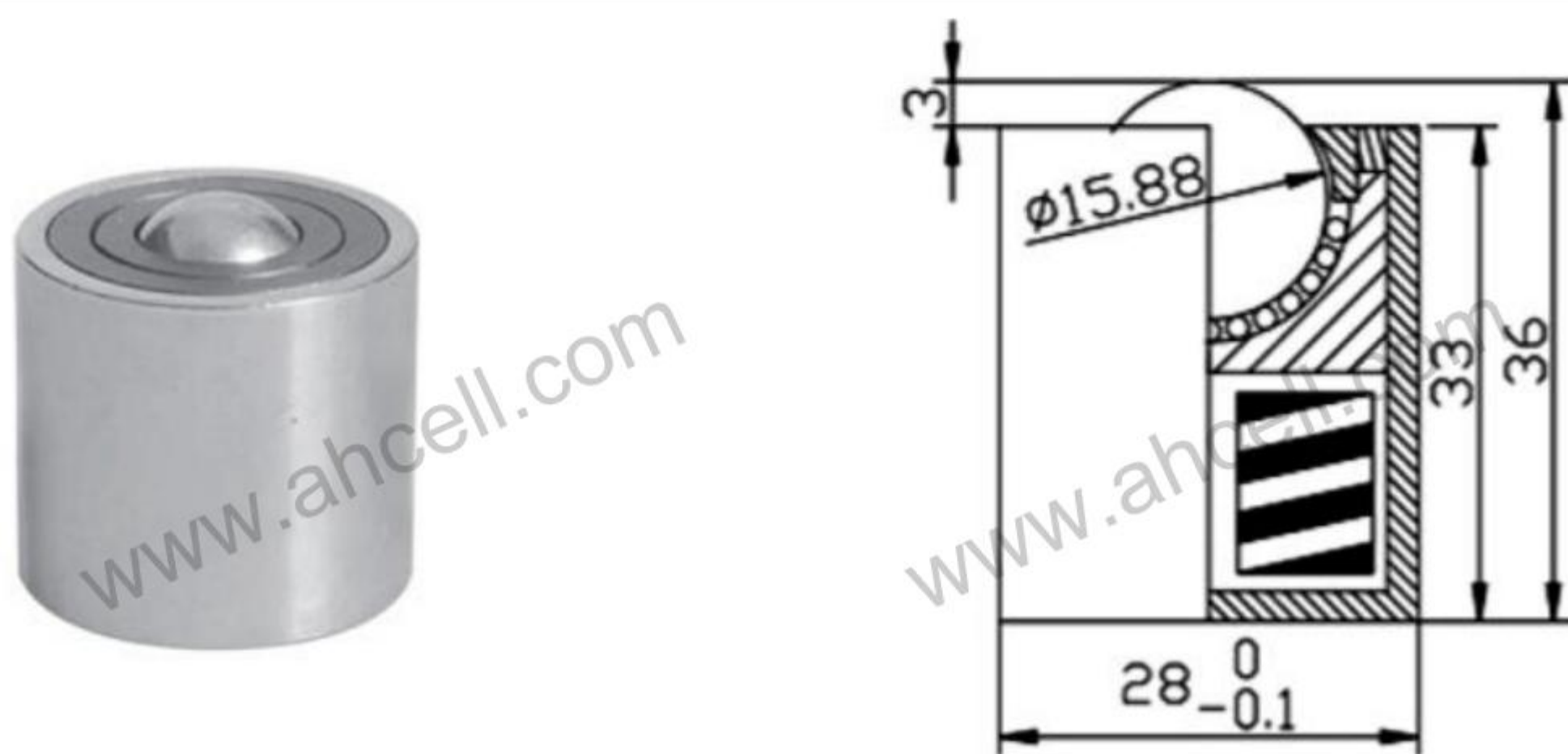
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSH-25	100/100	150	0.390



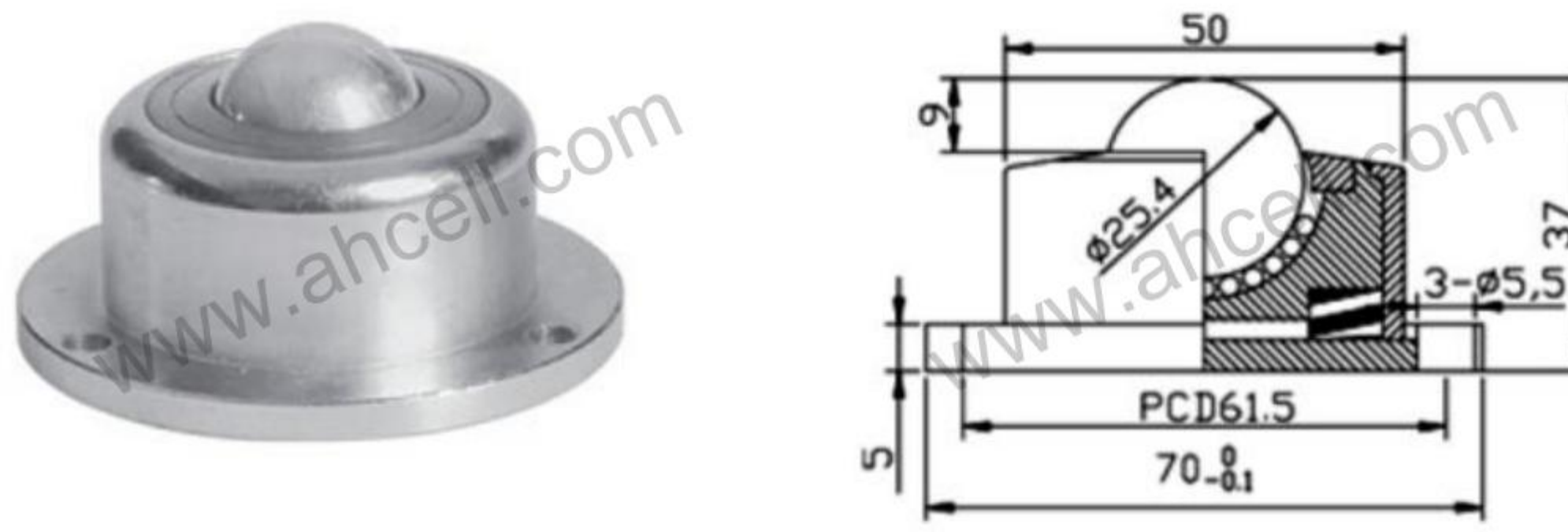
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSE-12	30/30	50	0.160



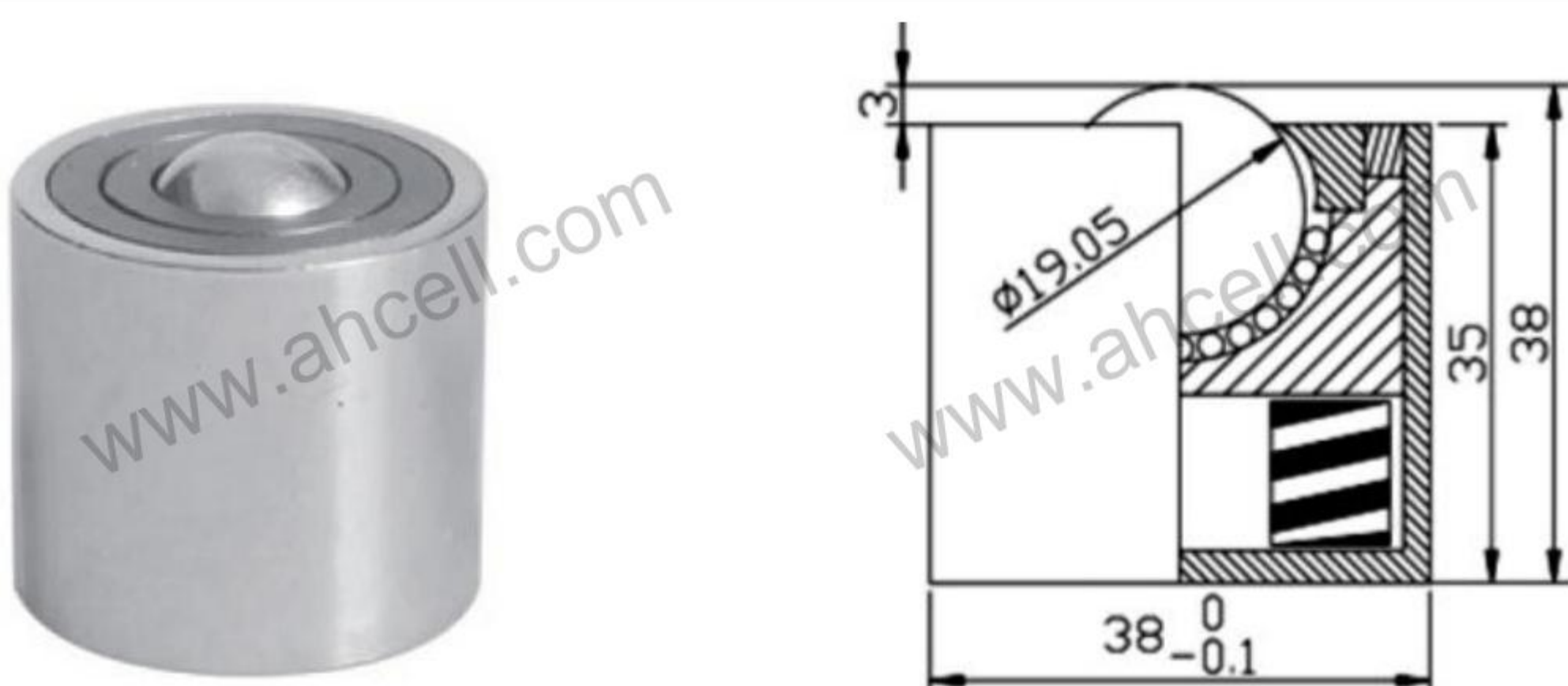
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSF-19B	60/70	80	0.260



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSH-15	40/50	60	0.120



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSF-25B	100/120	150	0.400



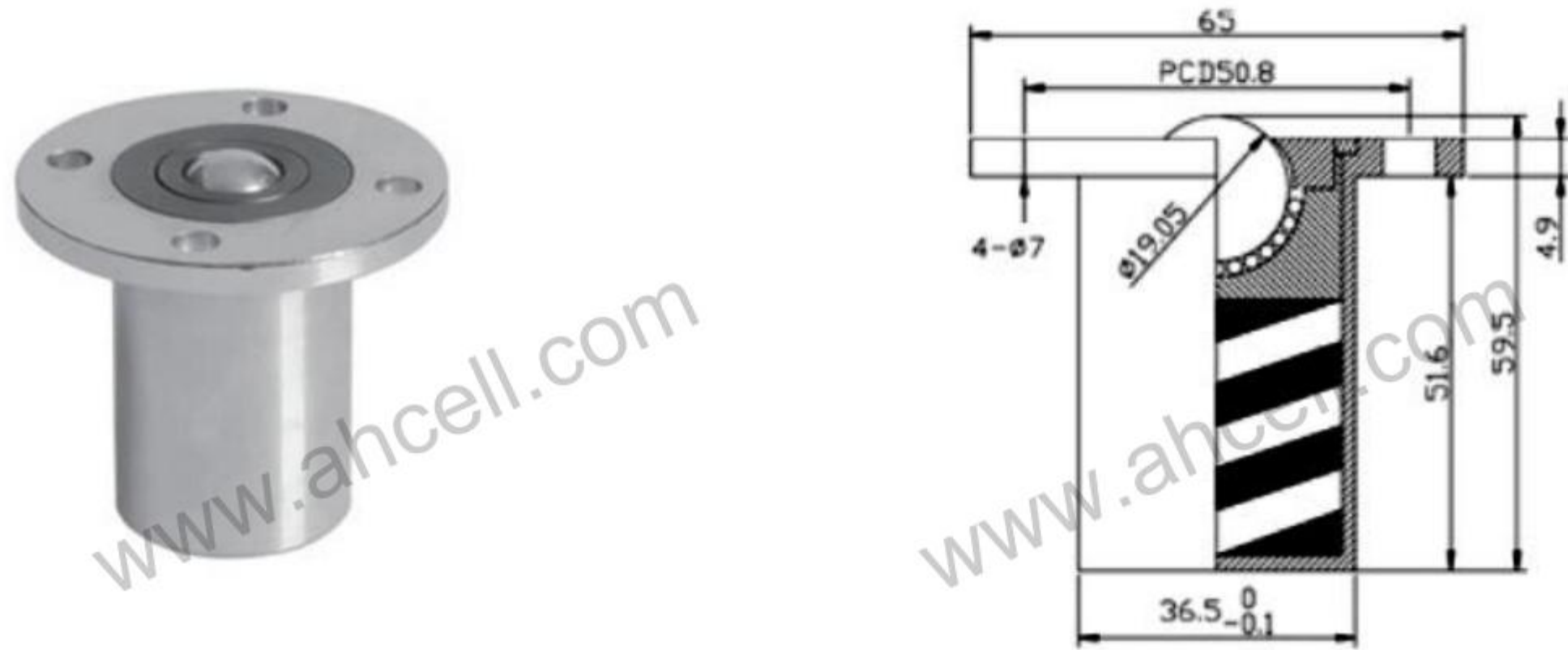
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSH-20	70/70	100	0.280



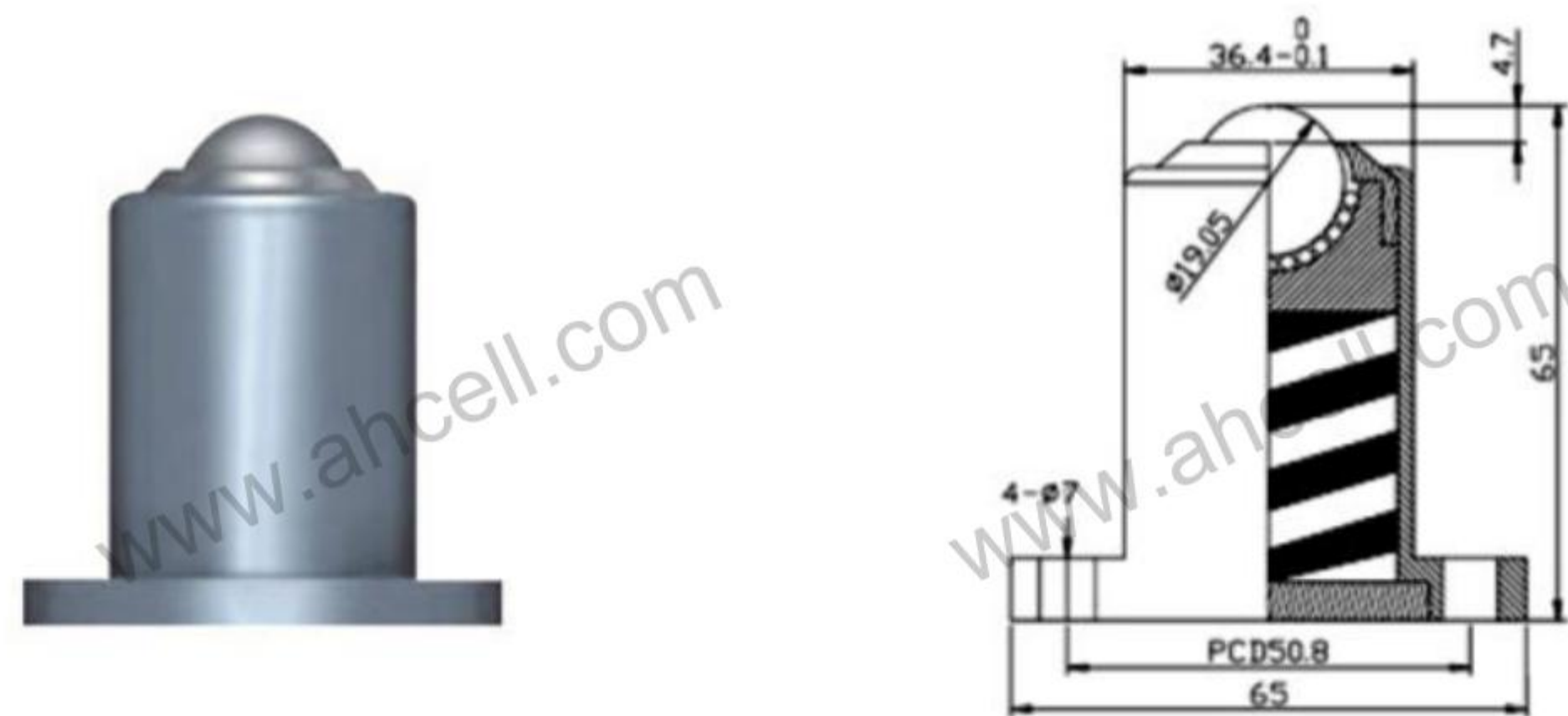
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
KSF-30B	150/200	250	1.100

Inner Spring Shock Load Series

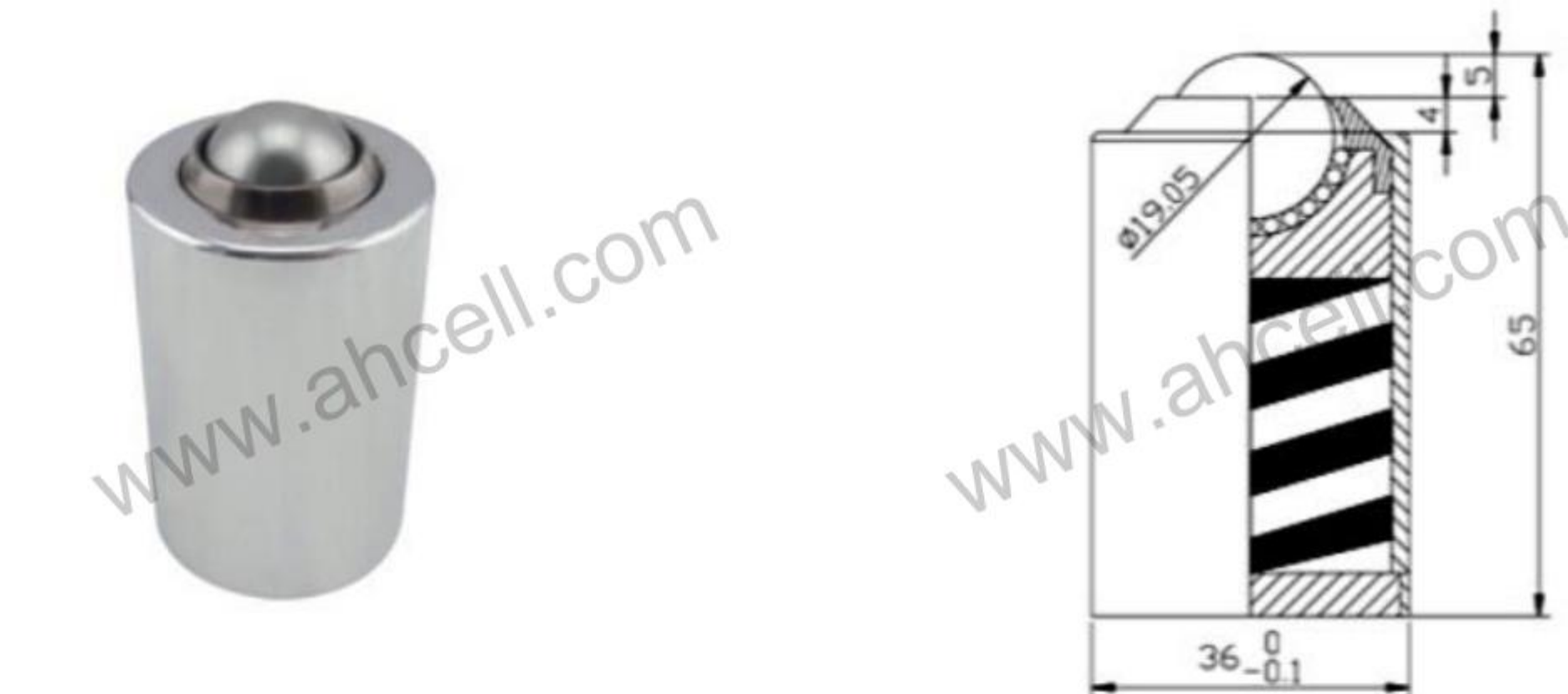
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



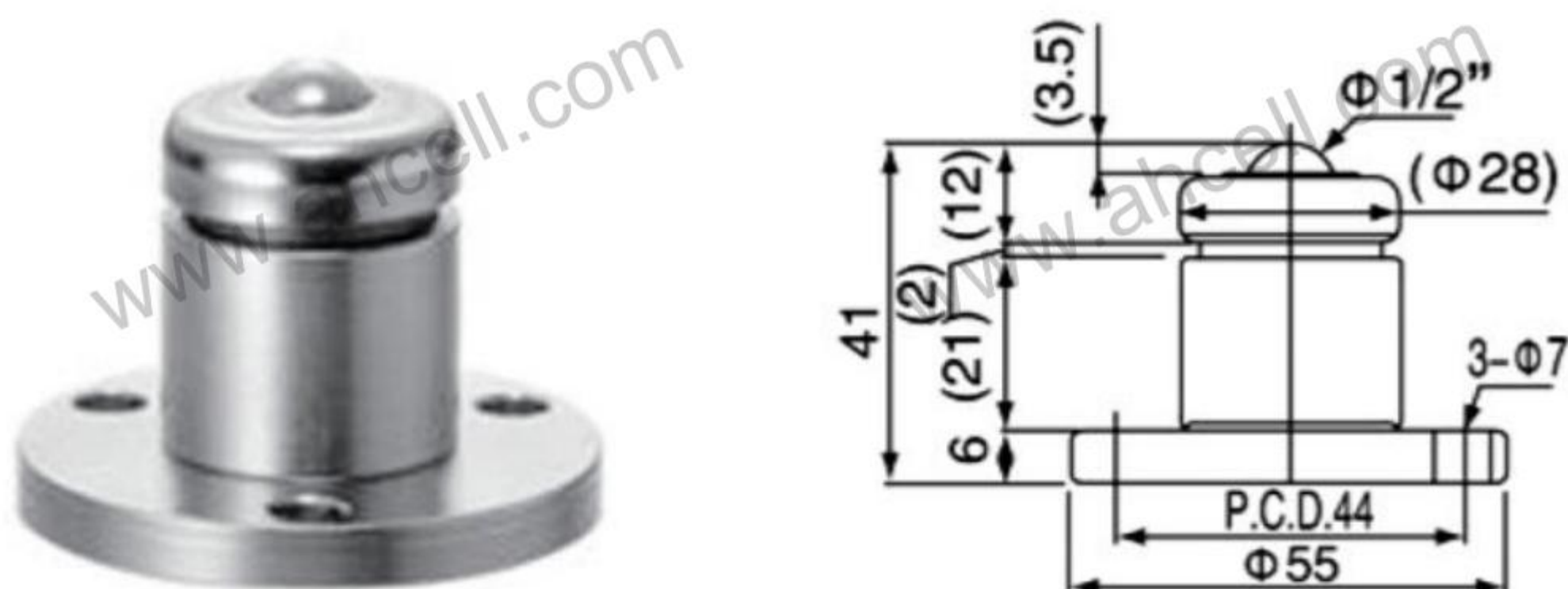
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSFT-19	40/40	60	0.450



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSFN-19	40/40	60	0.430



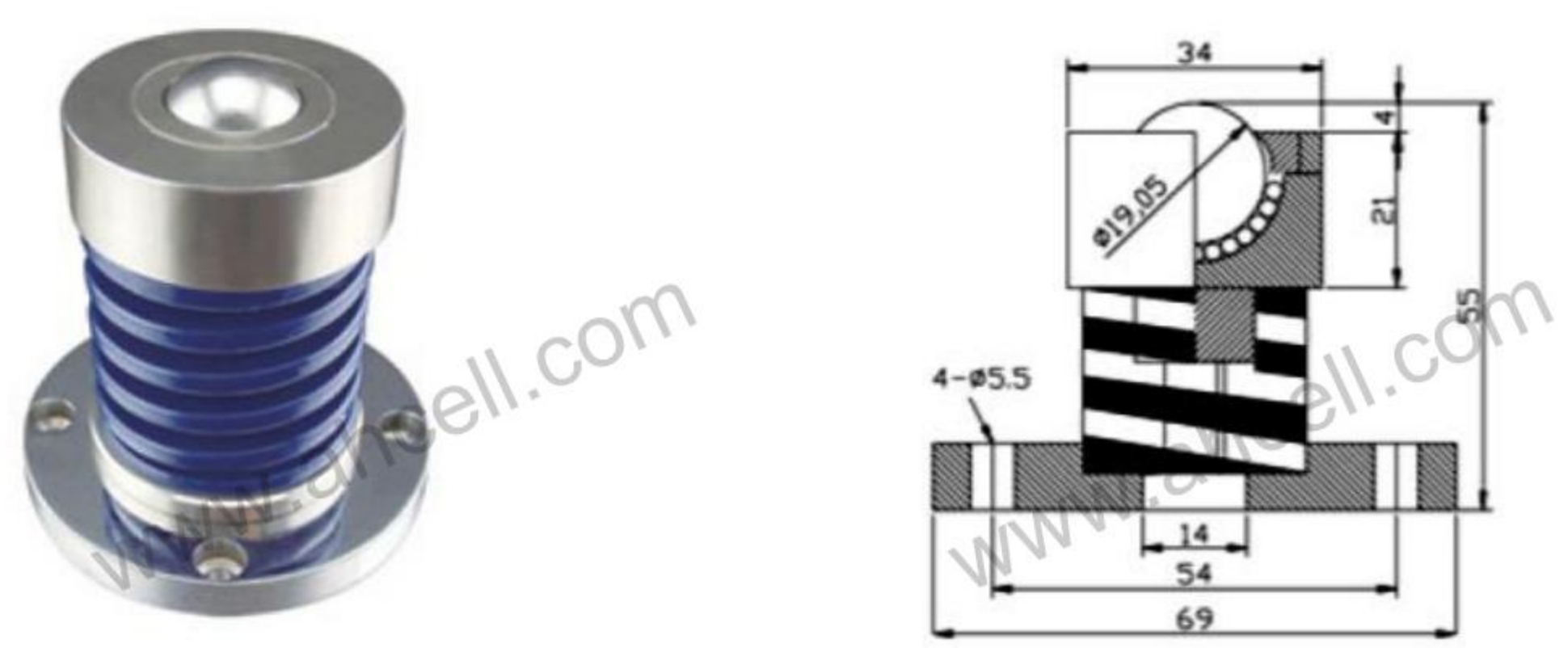
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KSFH-19	50/50	70	0.350



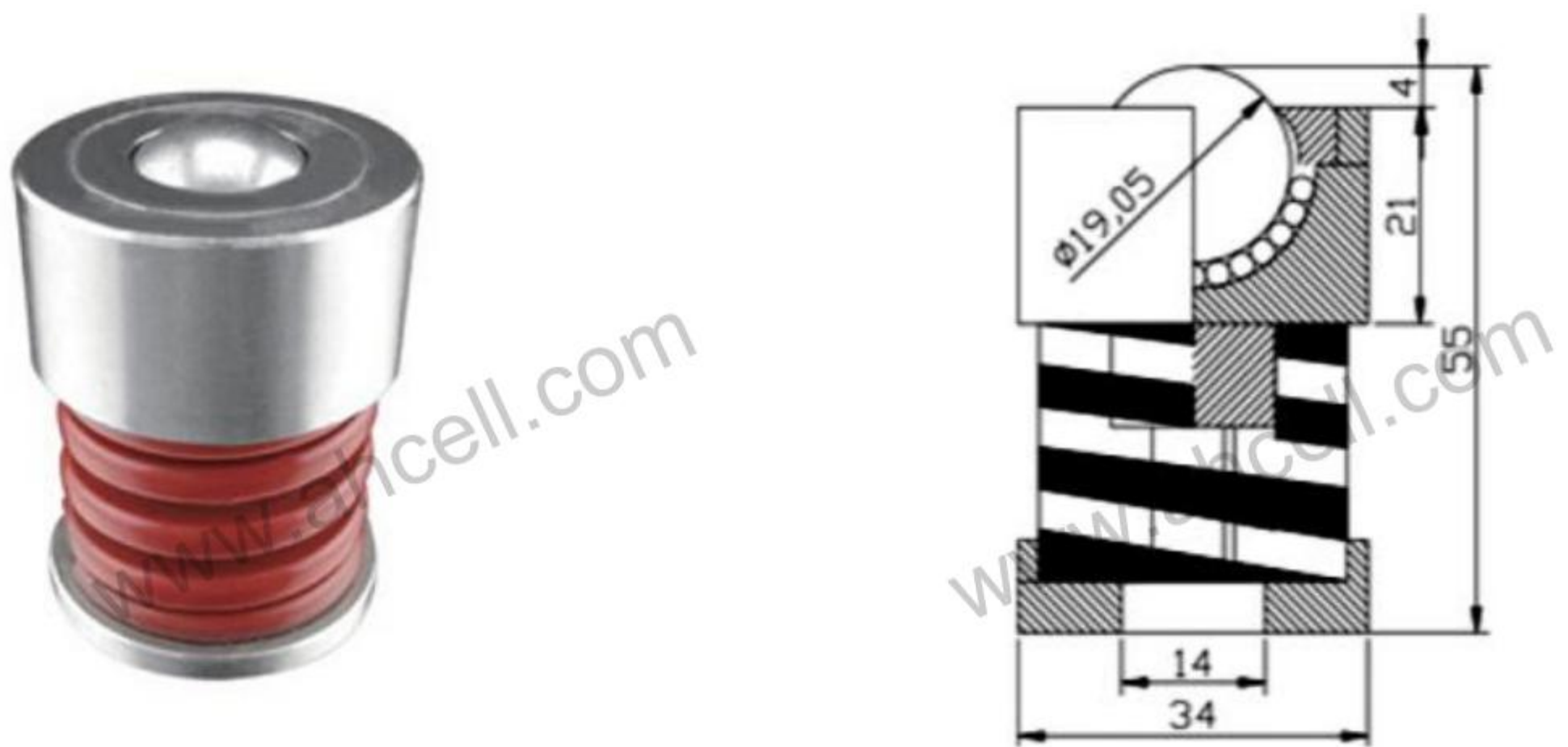
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KS-15	30/30	40	0.450

External Spring Shock Load Series

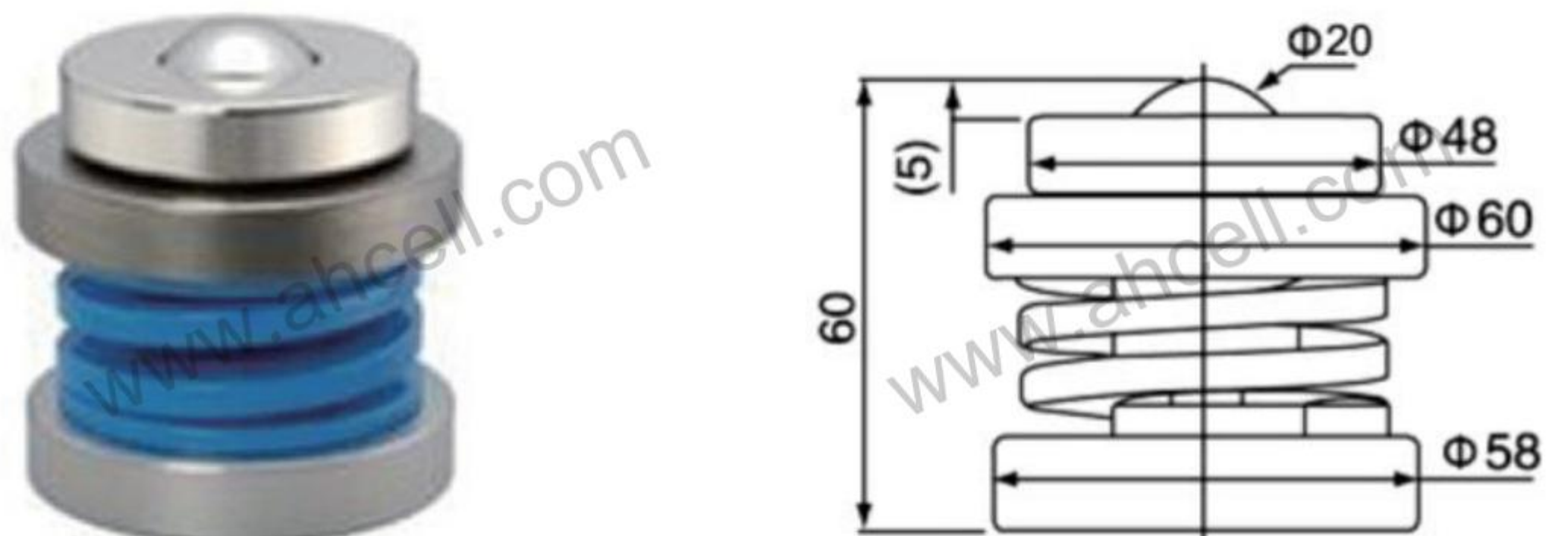
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



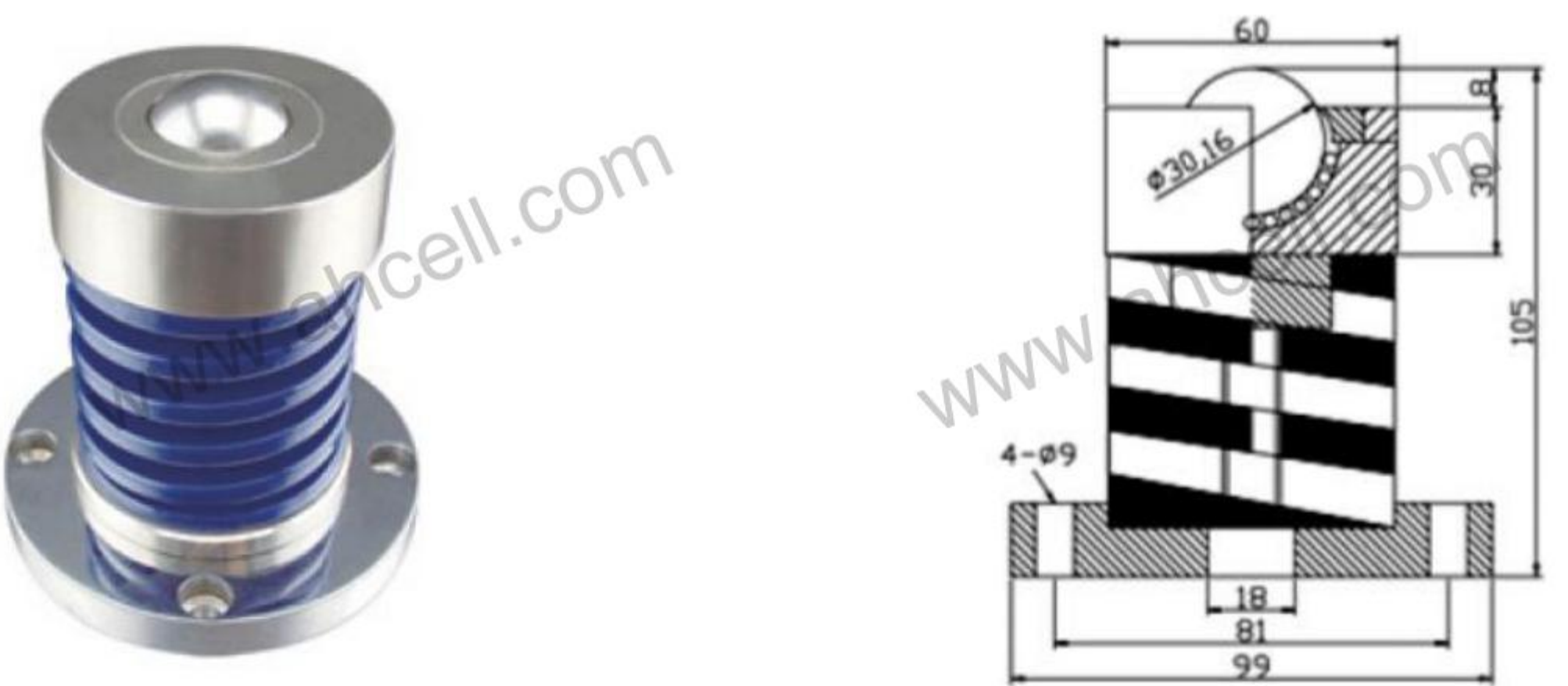
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KS-19	40/60	60	0.480



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KS-19H	50/50	60	0.450



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KS-20	40/40	60	0.260



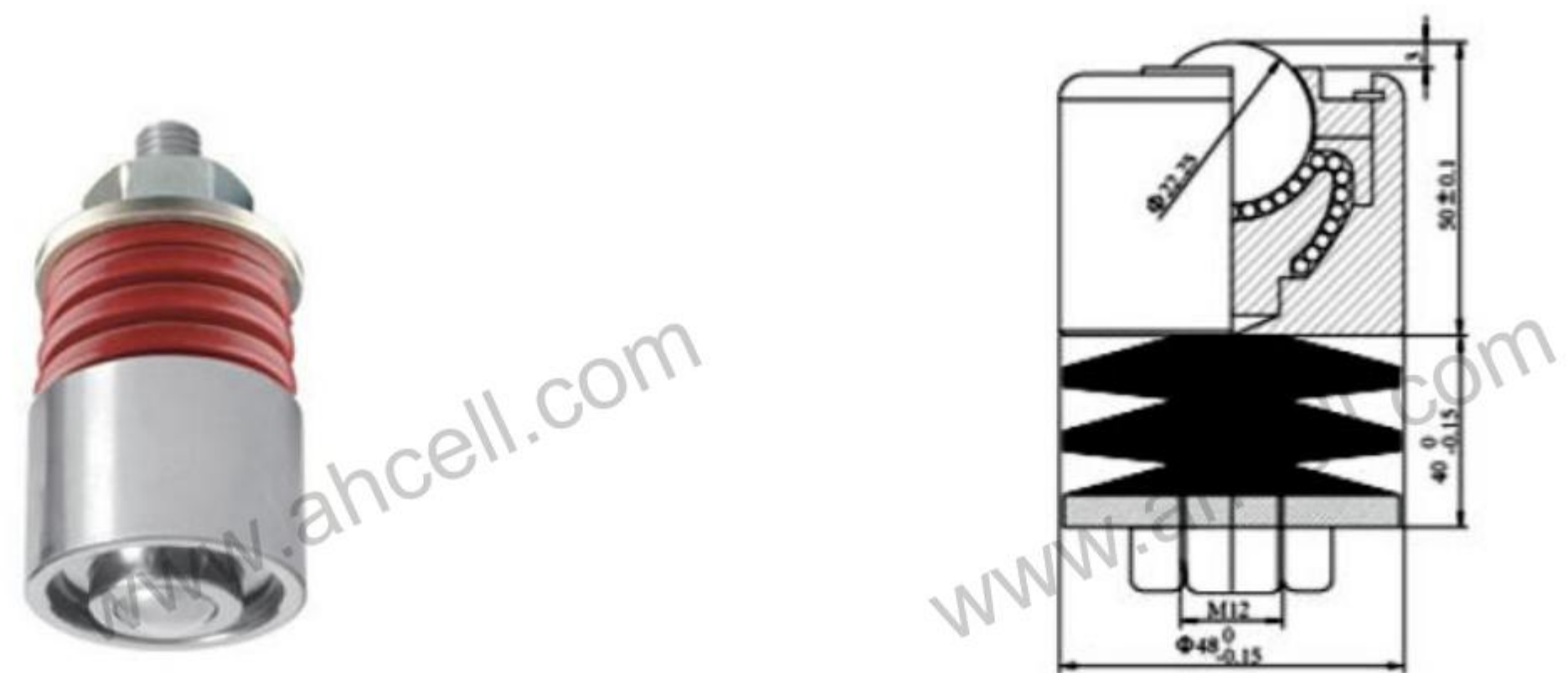
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
KS-30	80/80	100	1.100

External Spring Ball-Down Series

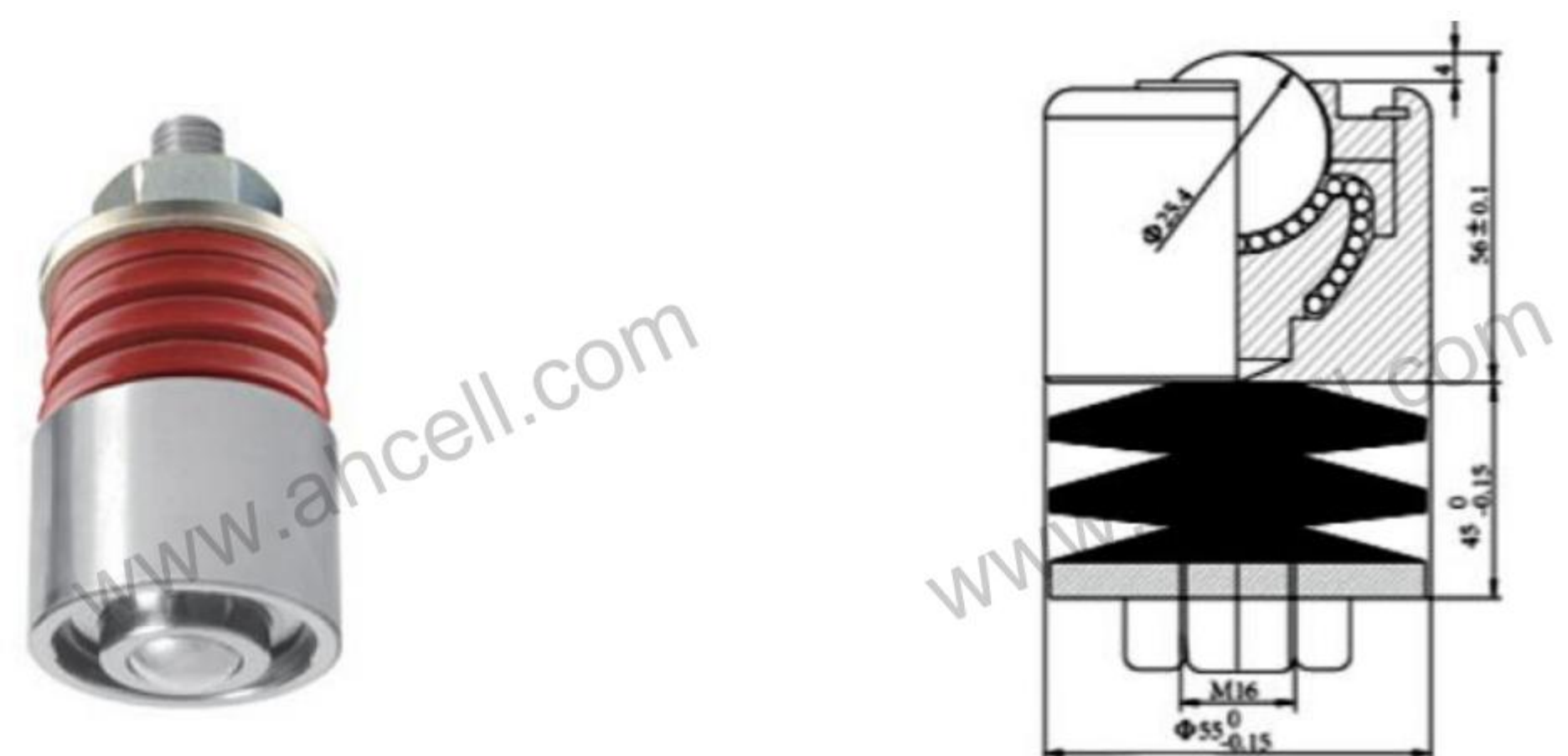
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



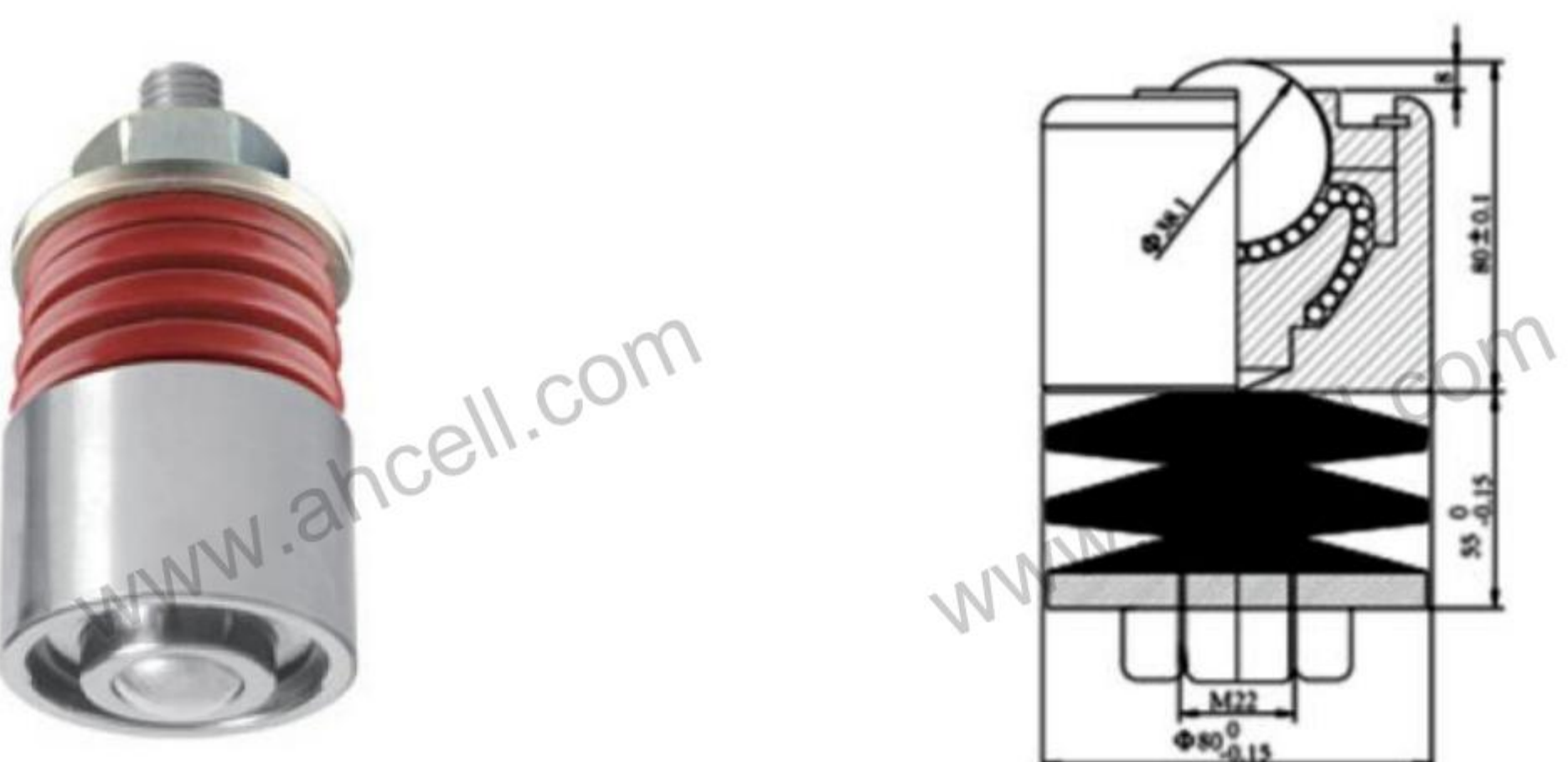
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
KS-01	30/30	40	0.300



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
KS-02	50/50	60	0.350



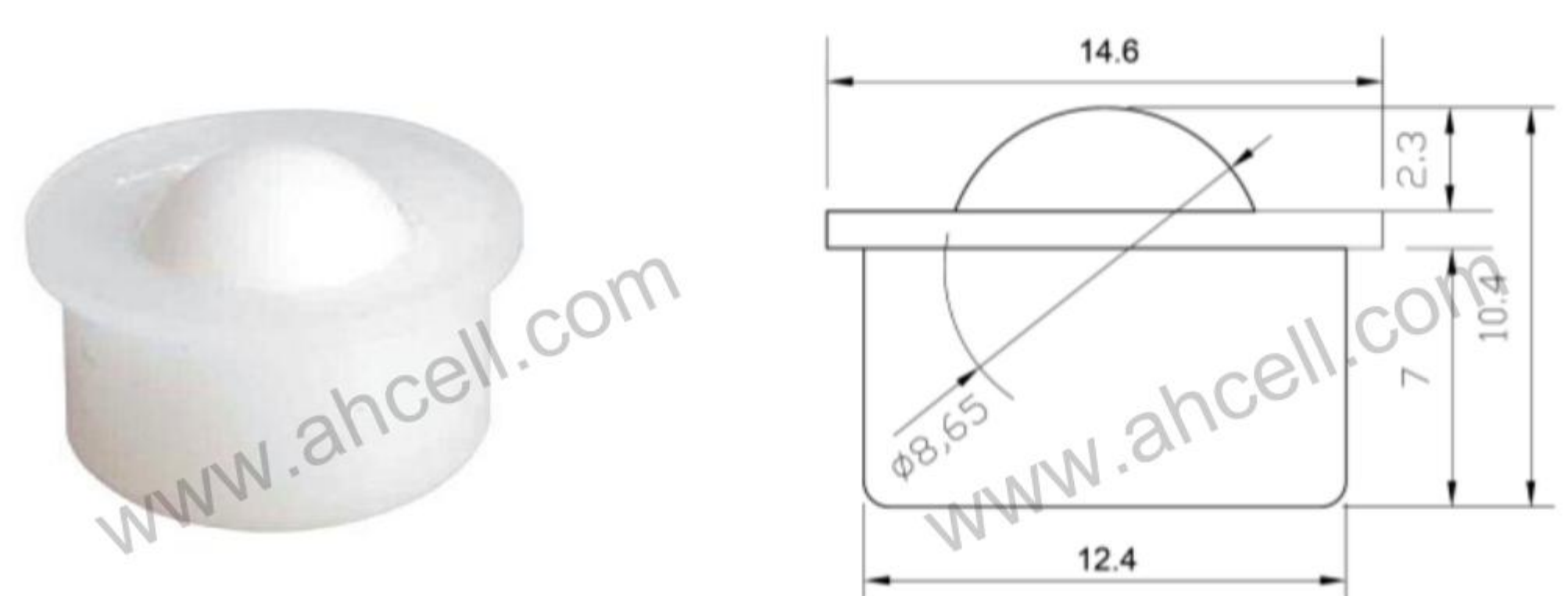
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
KS-03	60/60	80	0.450



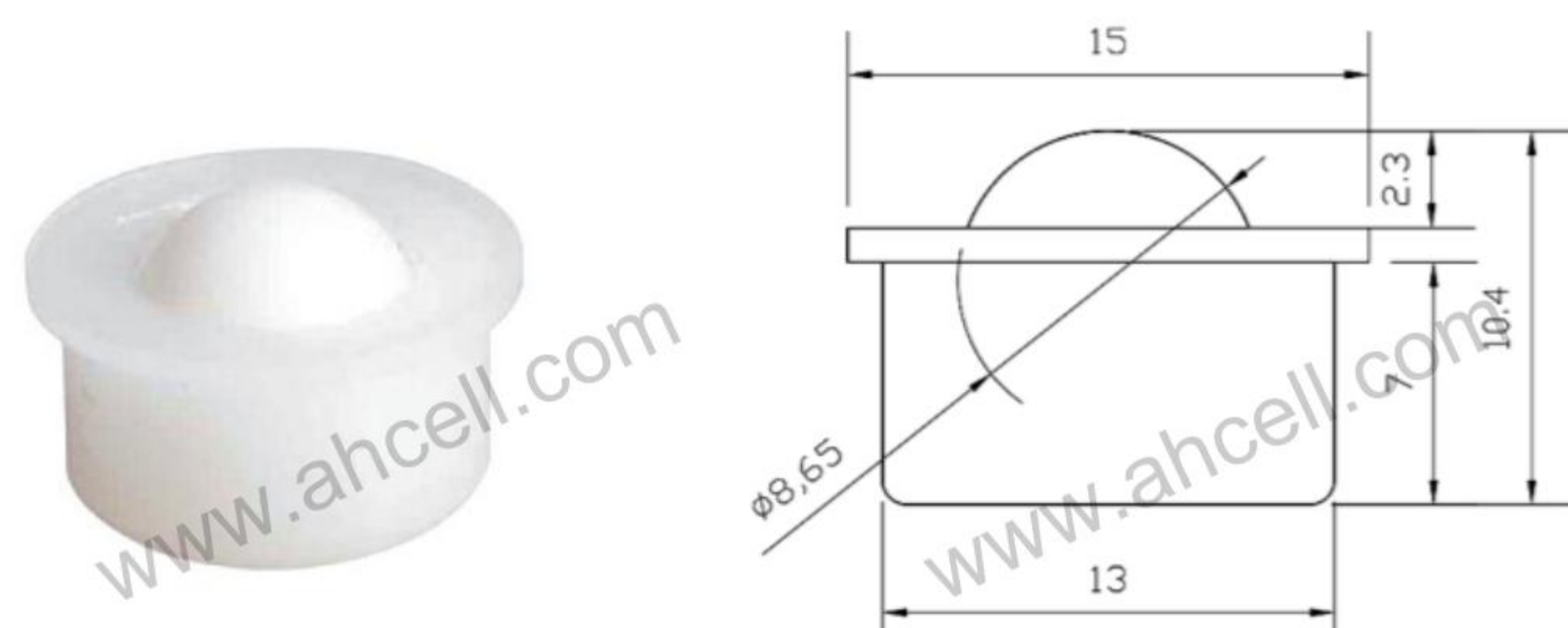
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
KS-04	100/100	120	1.100

Plastic/Nylon Series

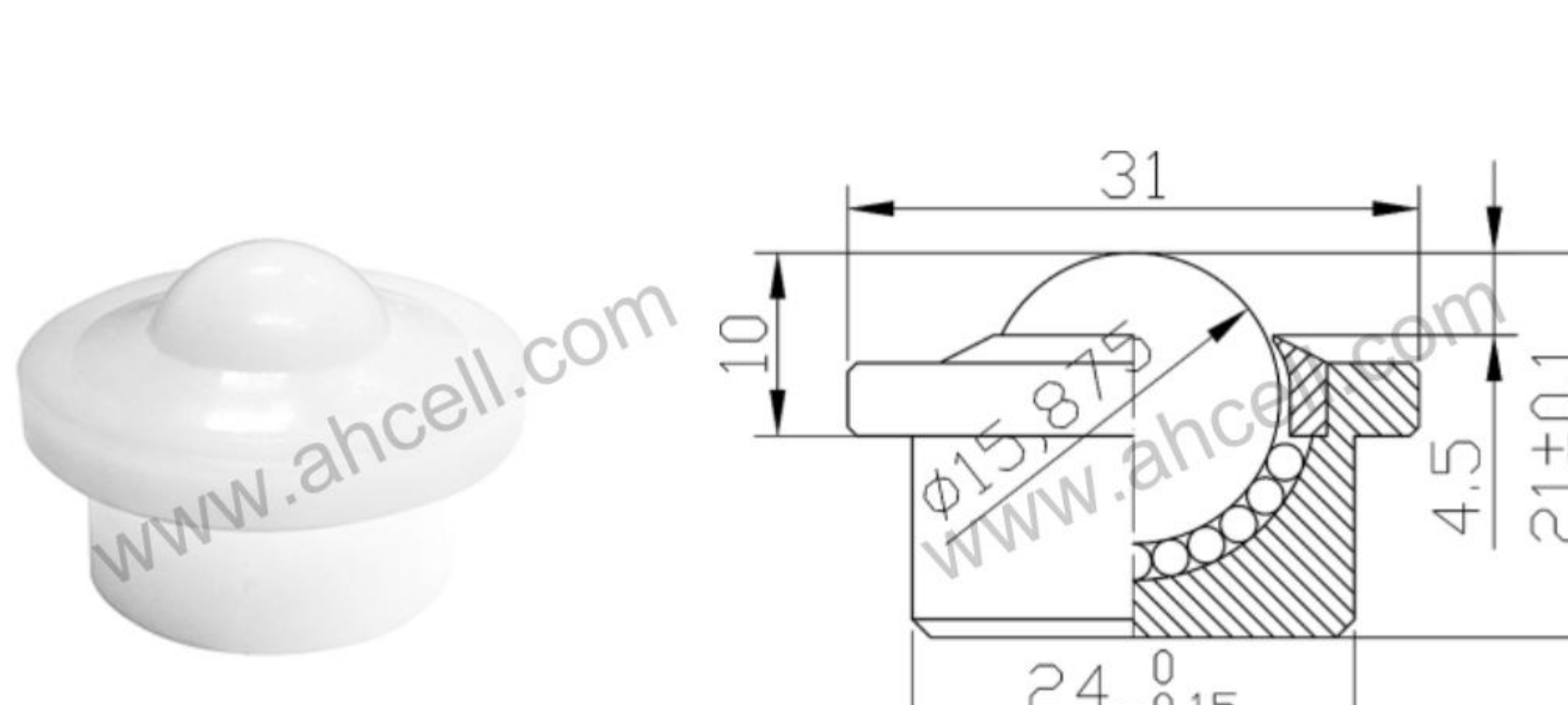
Available materials: NL/NL,SS/NL



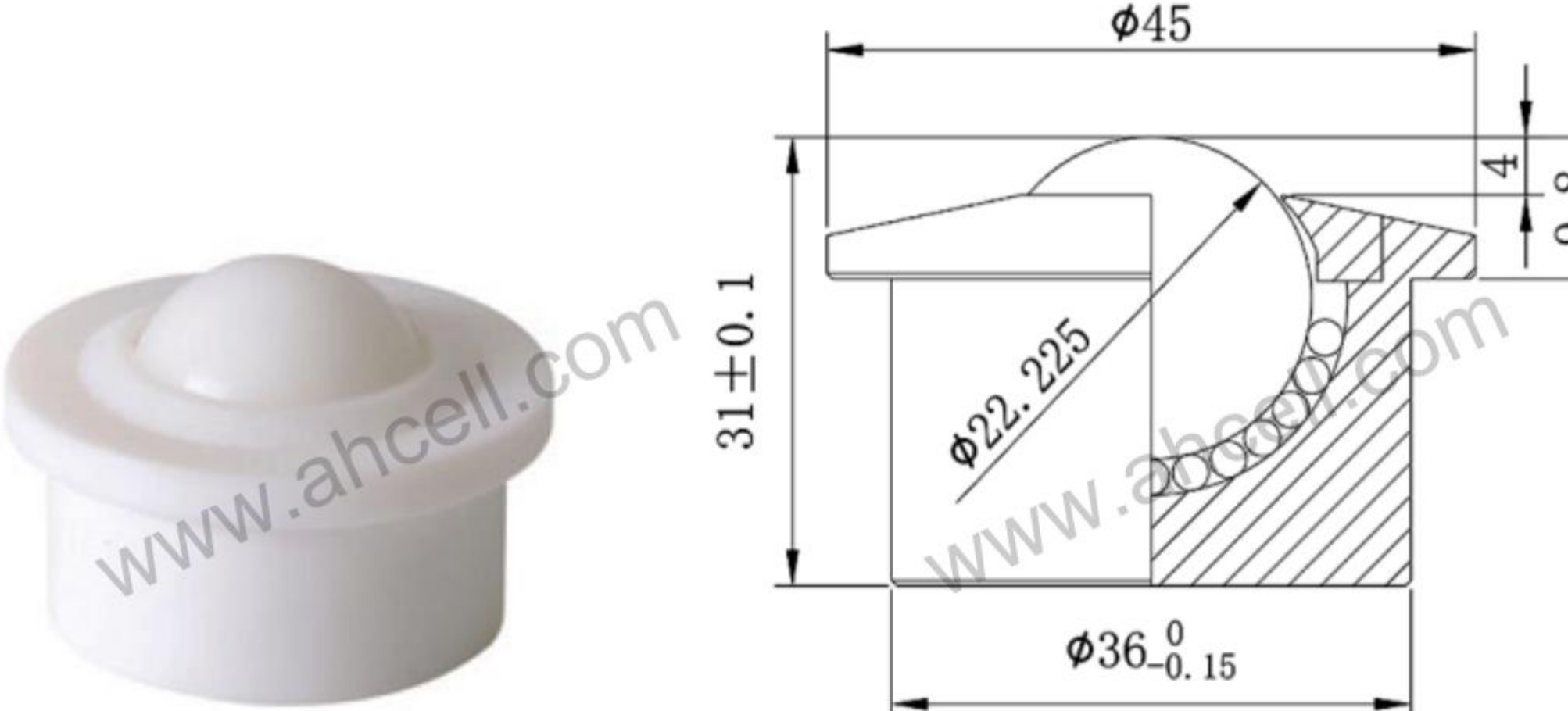
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
NL-8H2	2	3	0.003



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
NL-8H	2	3	0.003



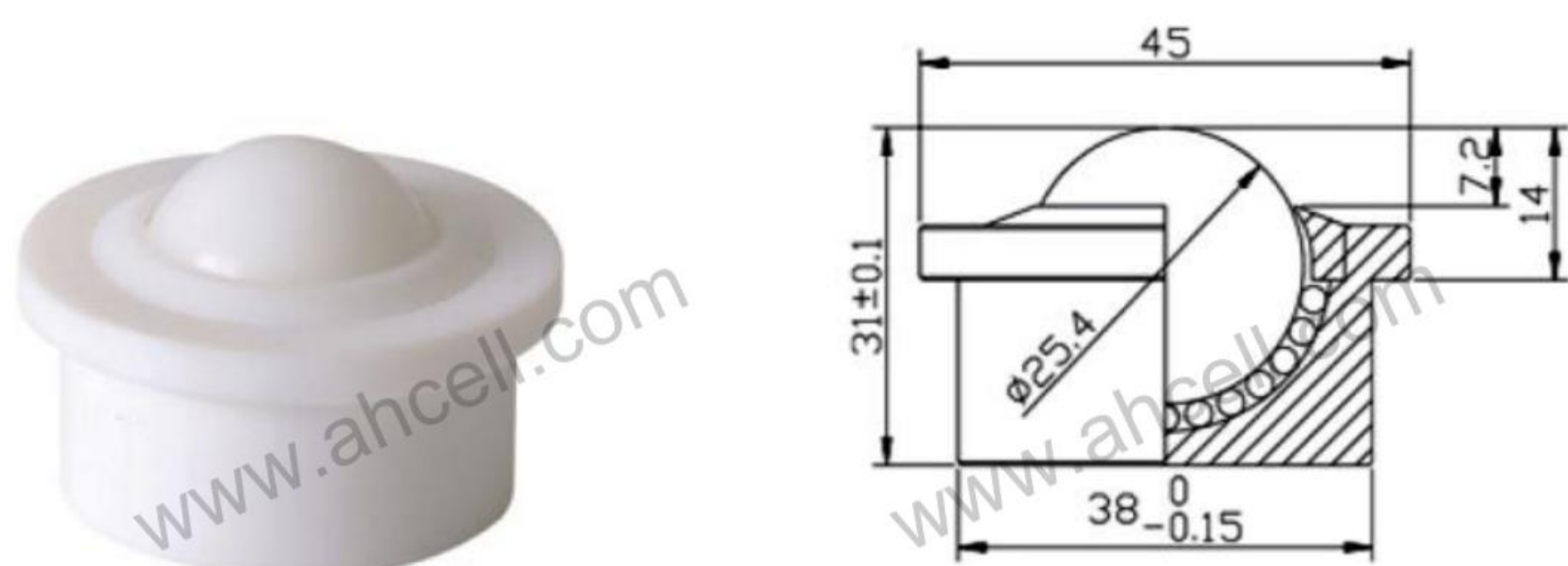
Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
NP-15	10	15	0.012



Model	Maximum Loading(kg) Suggested	Breaking	Net Weight (kg)
NP-22	15	20	0.045

Plastic/Nylon Series

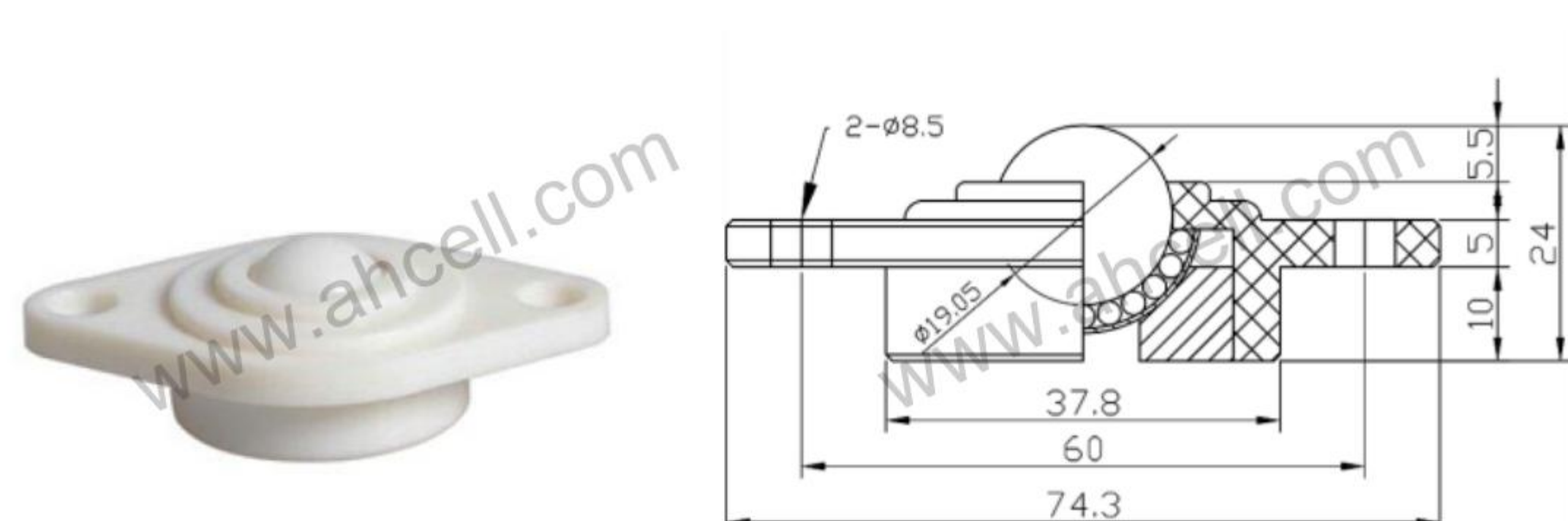
Available materials: NL/NL,SS/NL



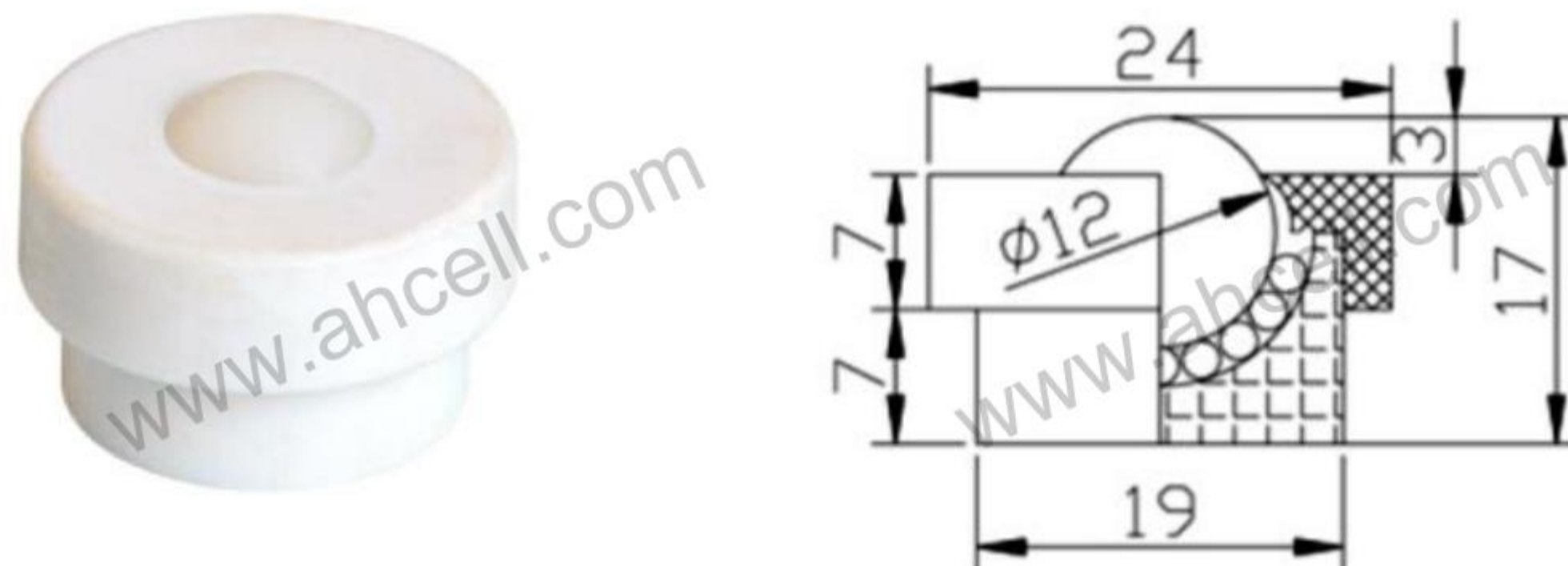
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NP-25	20	30	0.055



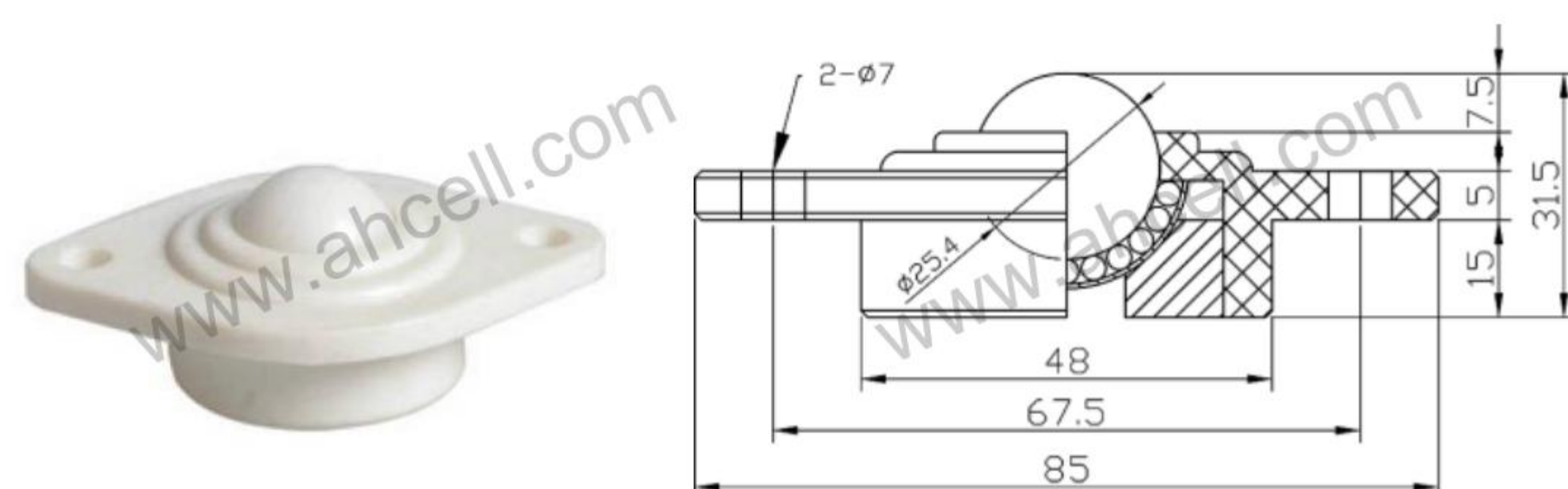
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NP-30	30	40	0.070



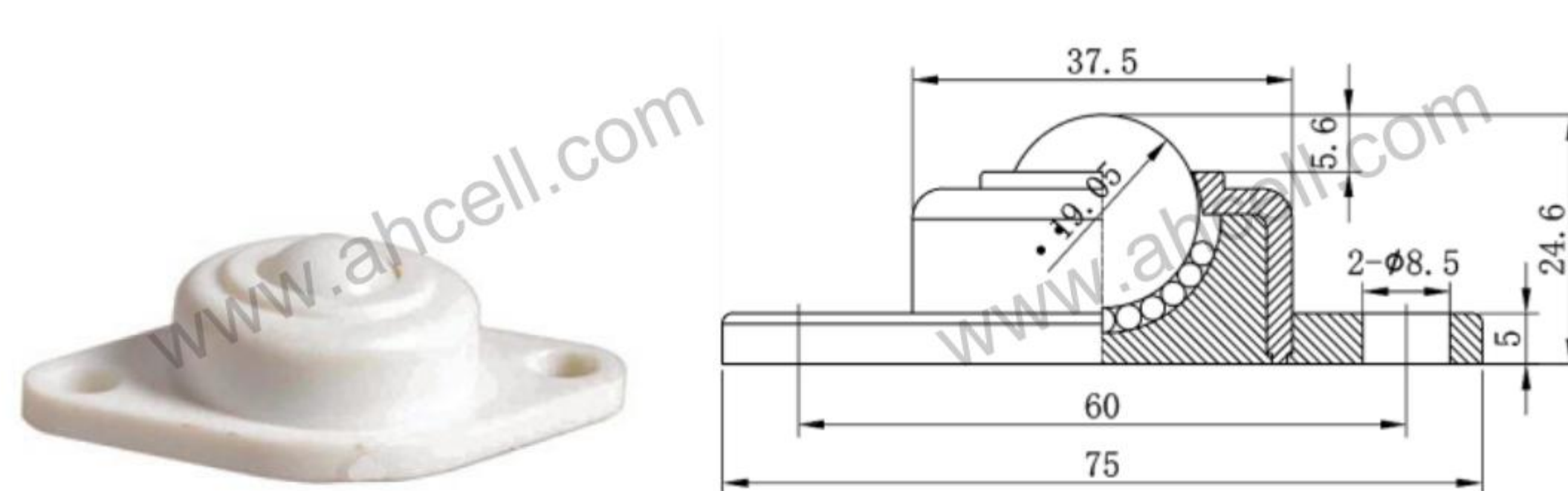
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NL-19A	10	15	0.055



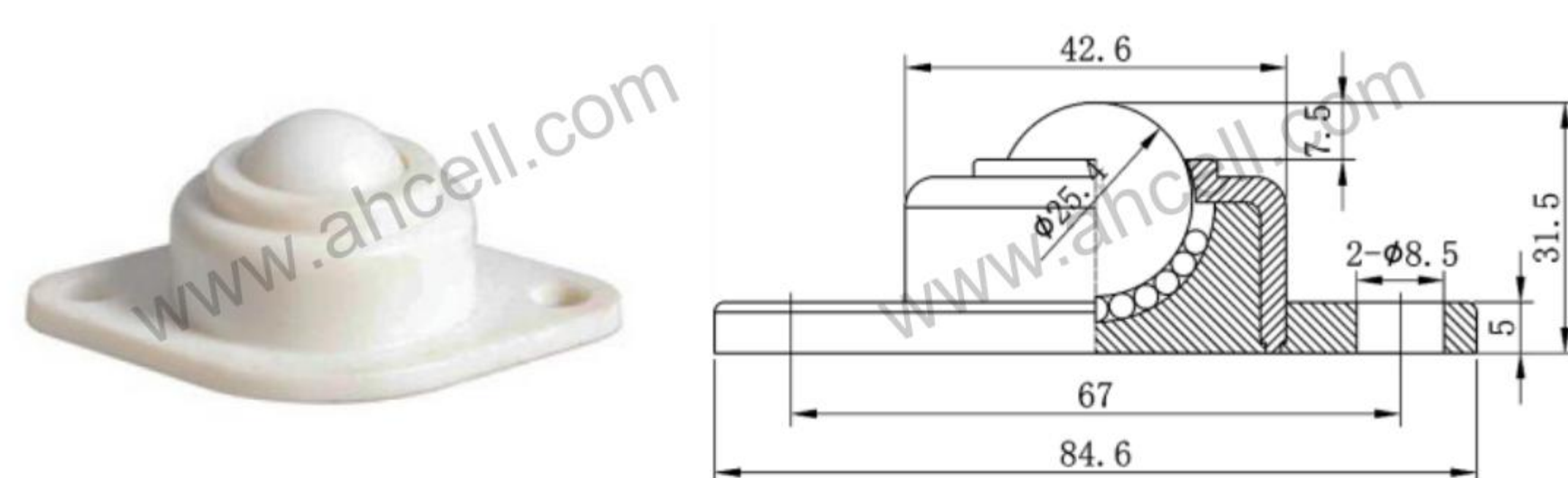
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NL-12	5	10	0.020



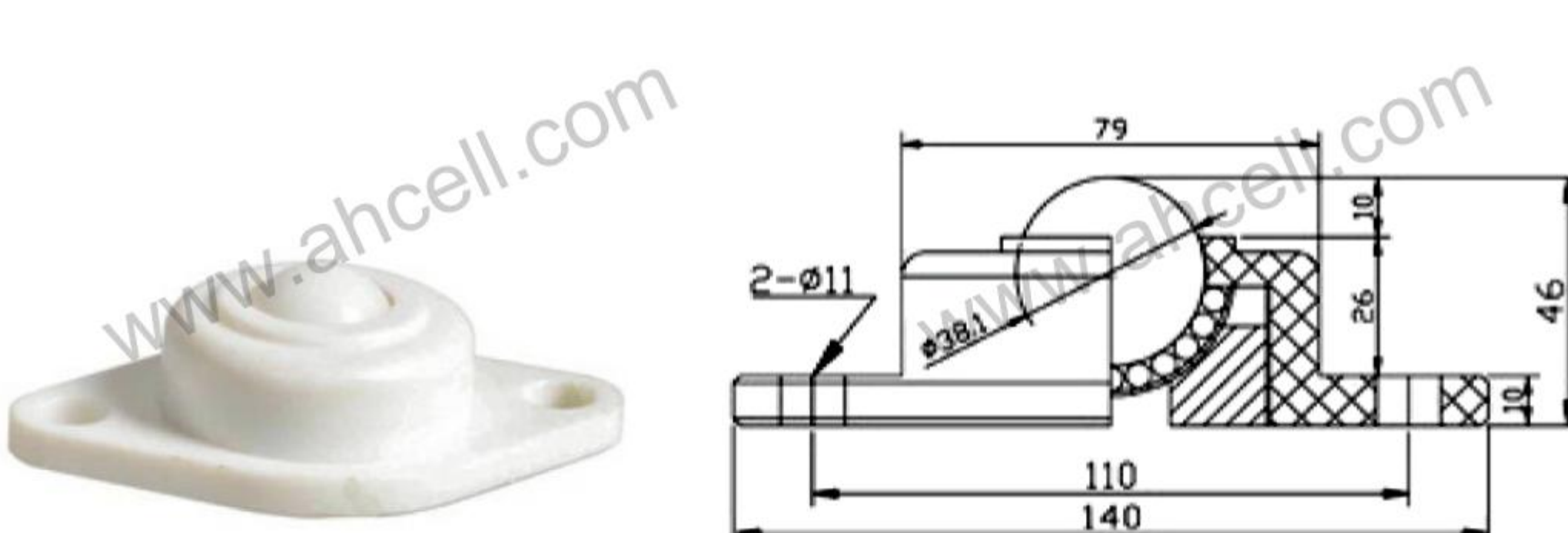
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NL-25A	20	25	0.120



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NL-19B	10	15	0.055



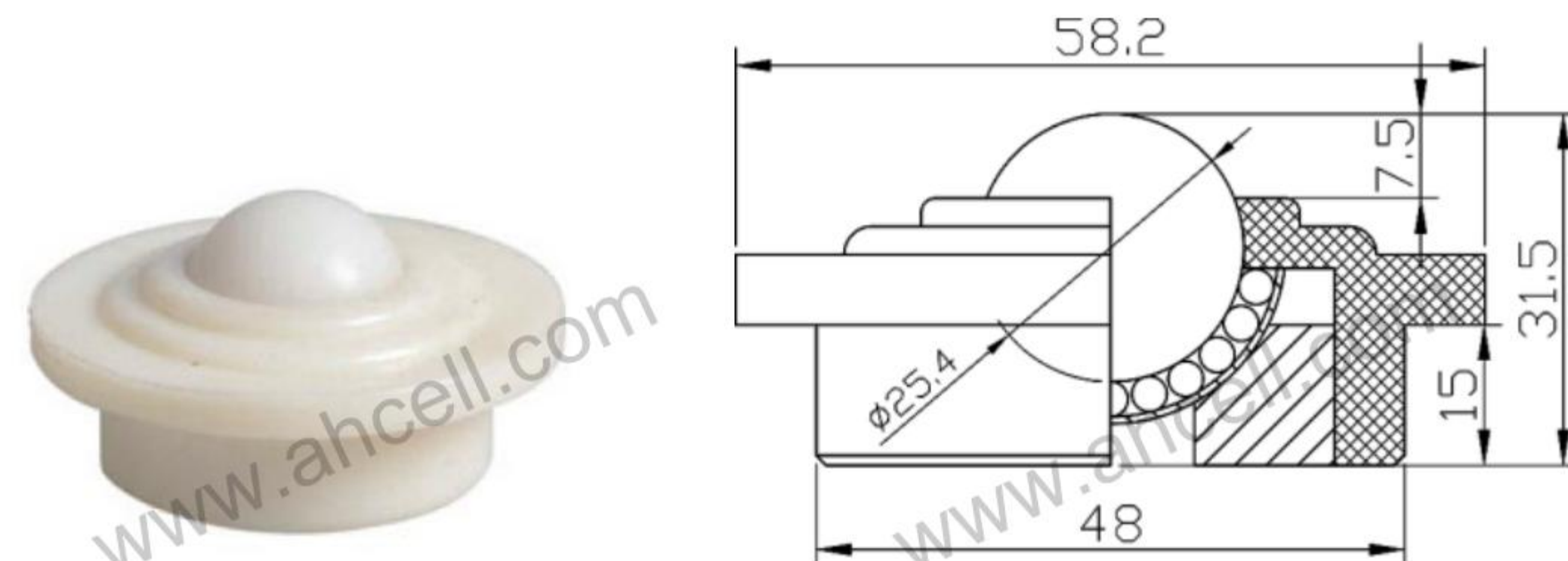
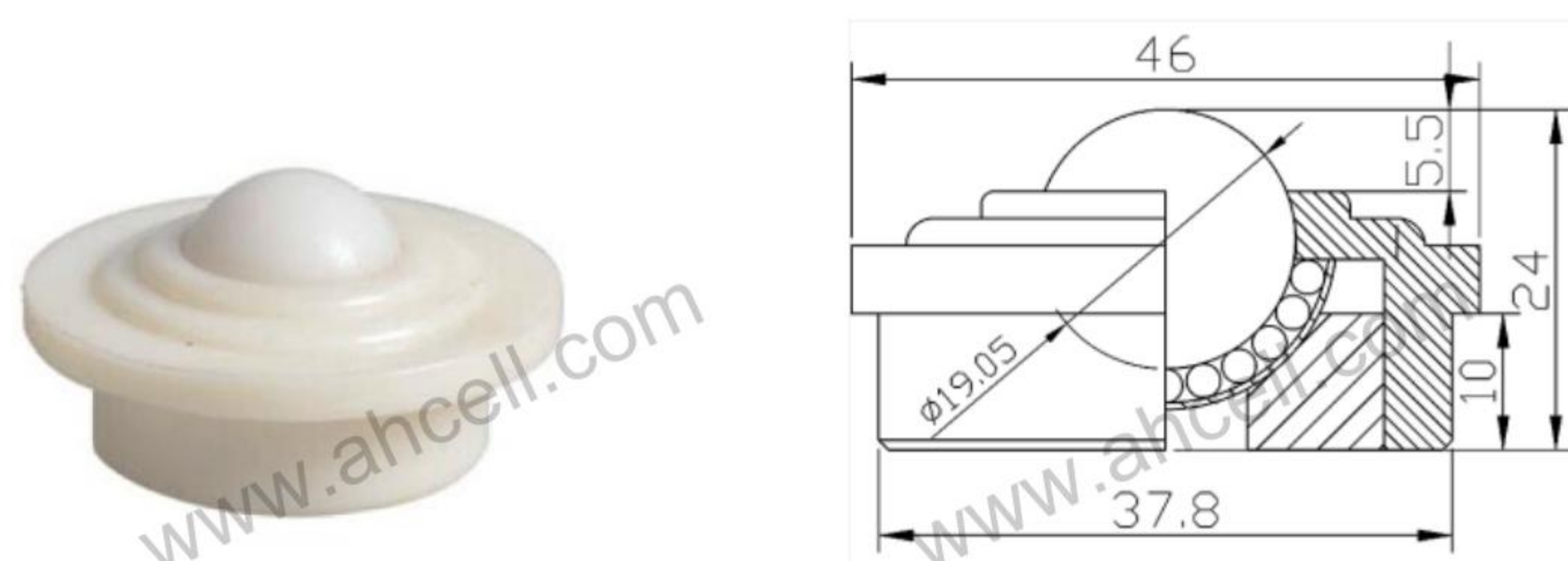
Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NL-25B	20	25	0.120



Model	Maximum Loading(kg)		Net Weight (kg)
	Suggested	Breaking	
NL-38B	25	35	0.410

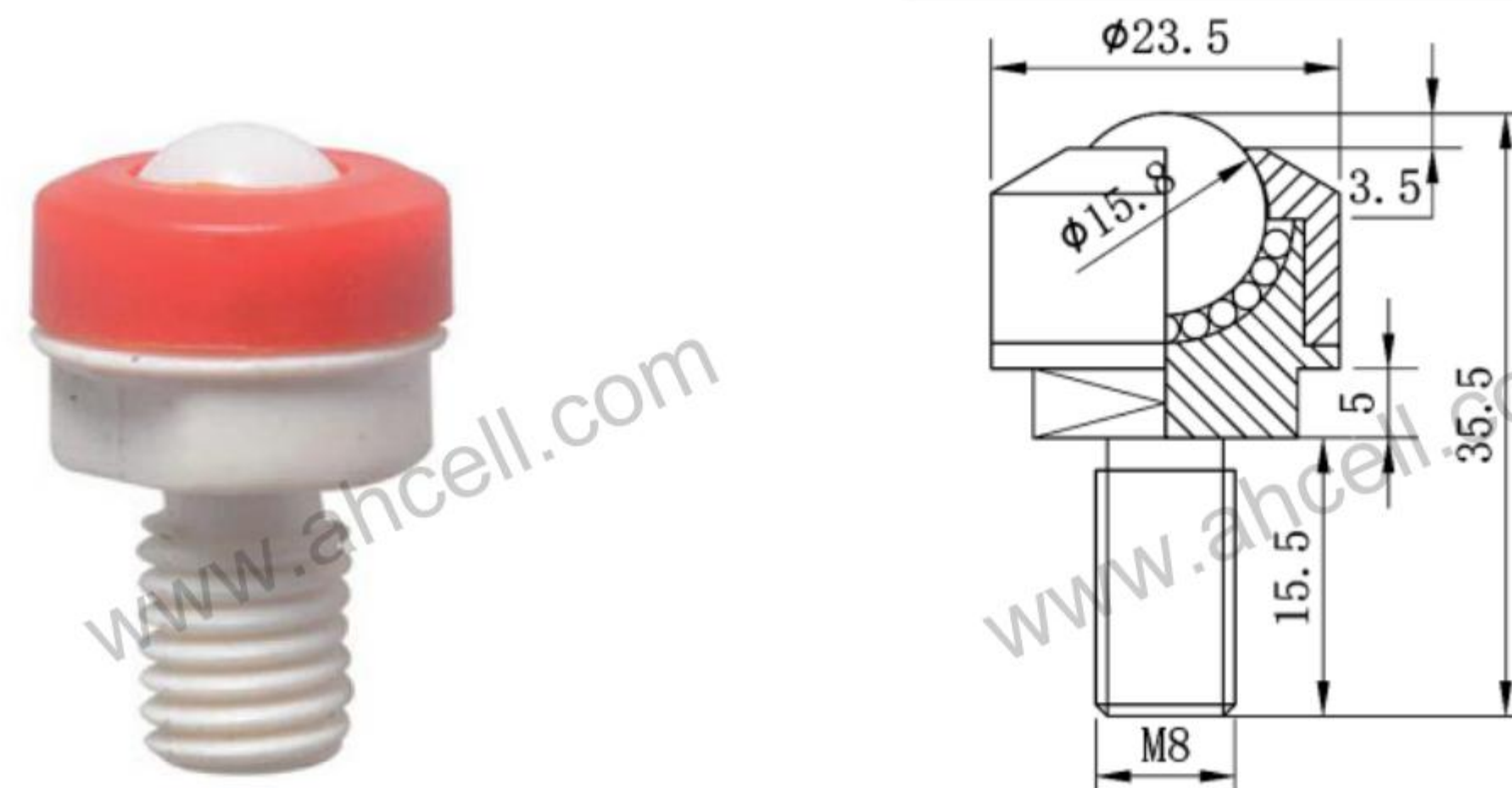
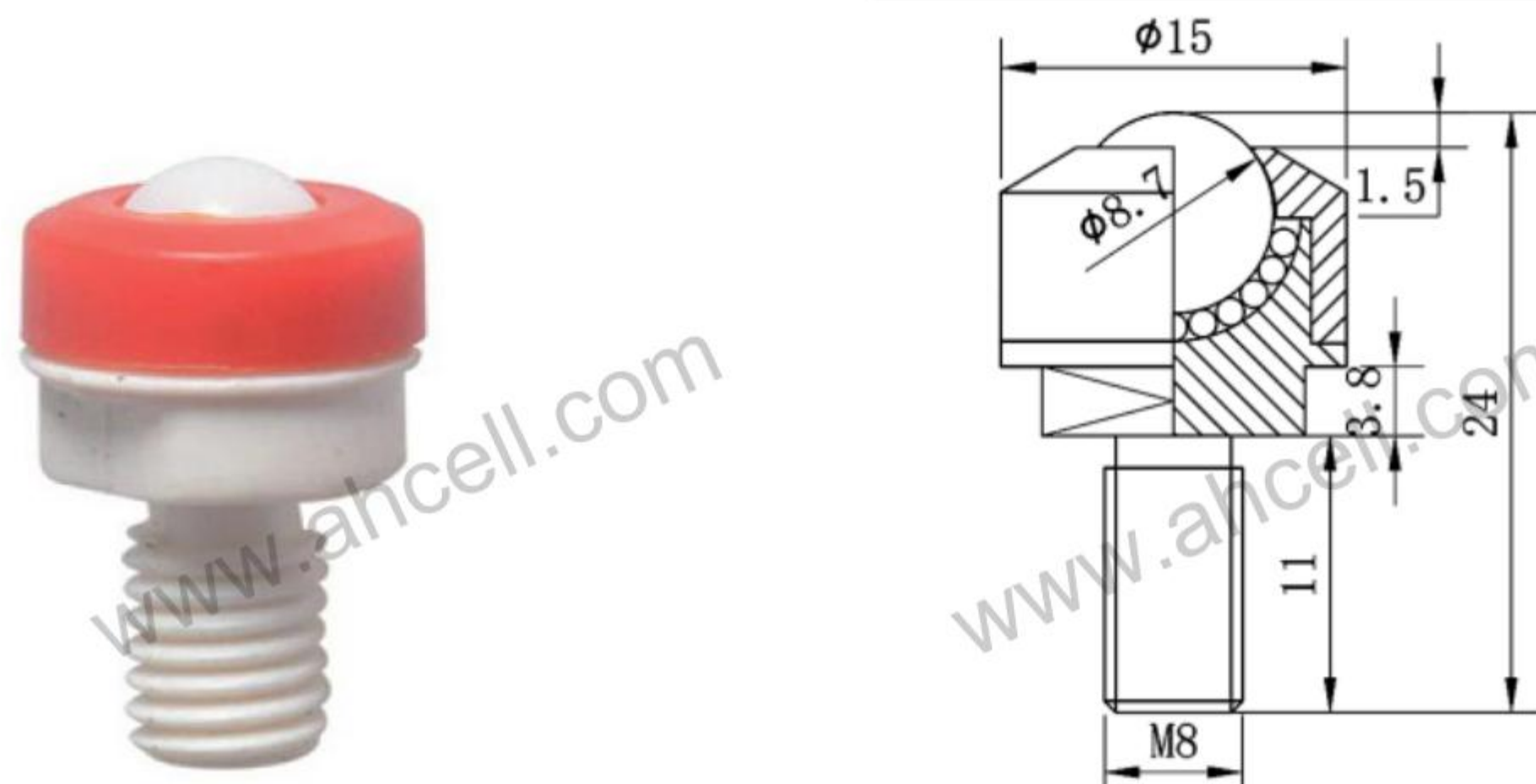
Plastic/Nylon Series

Available materials: NL/NL,SS/NL



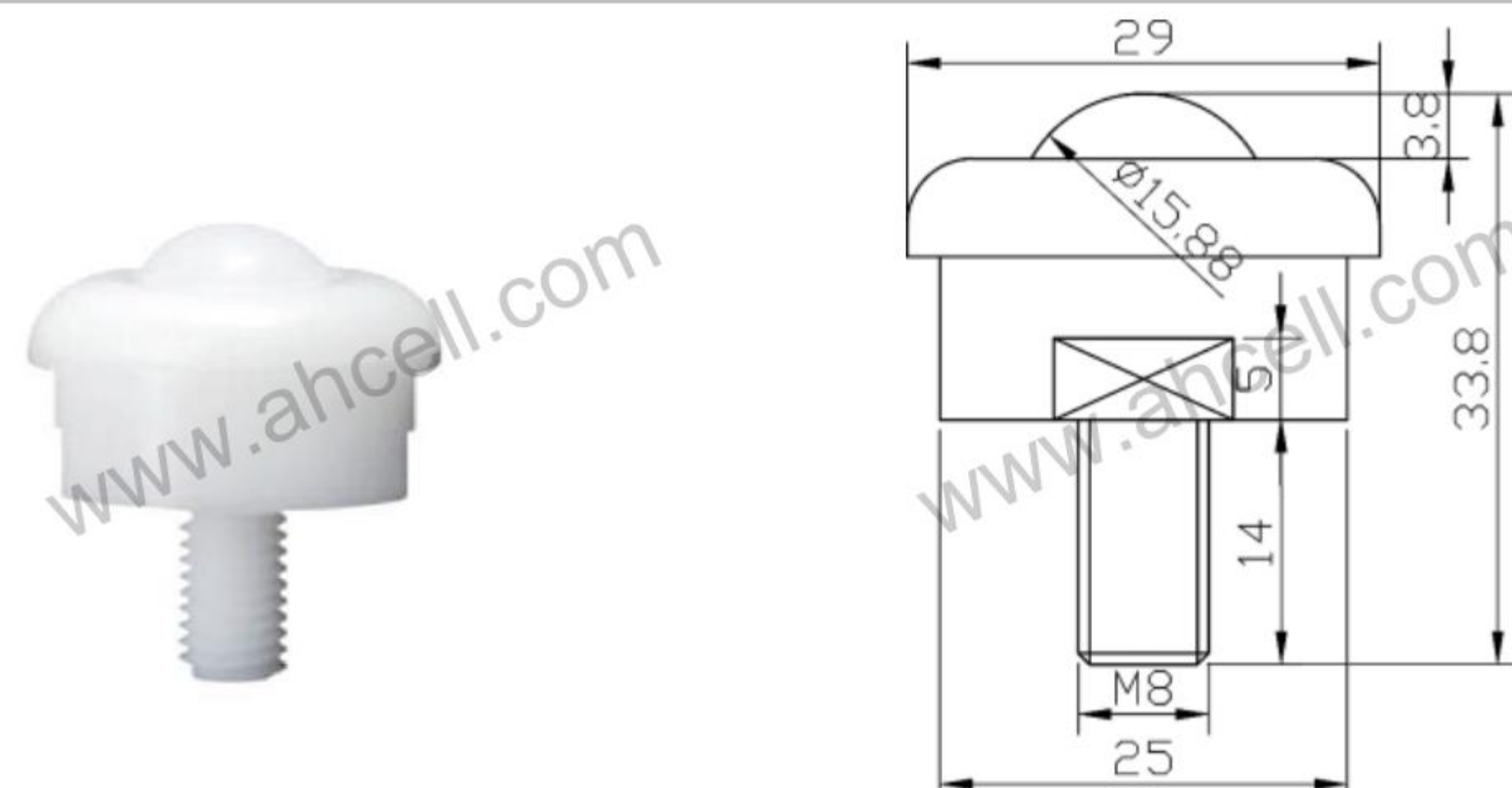
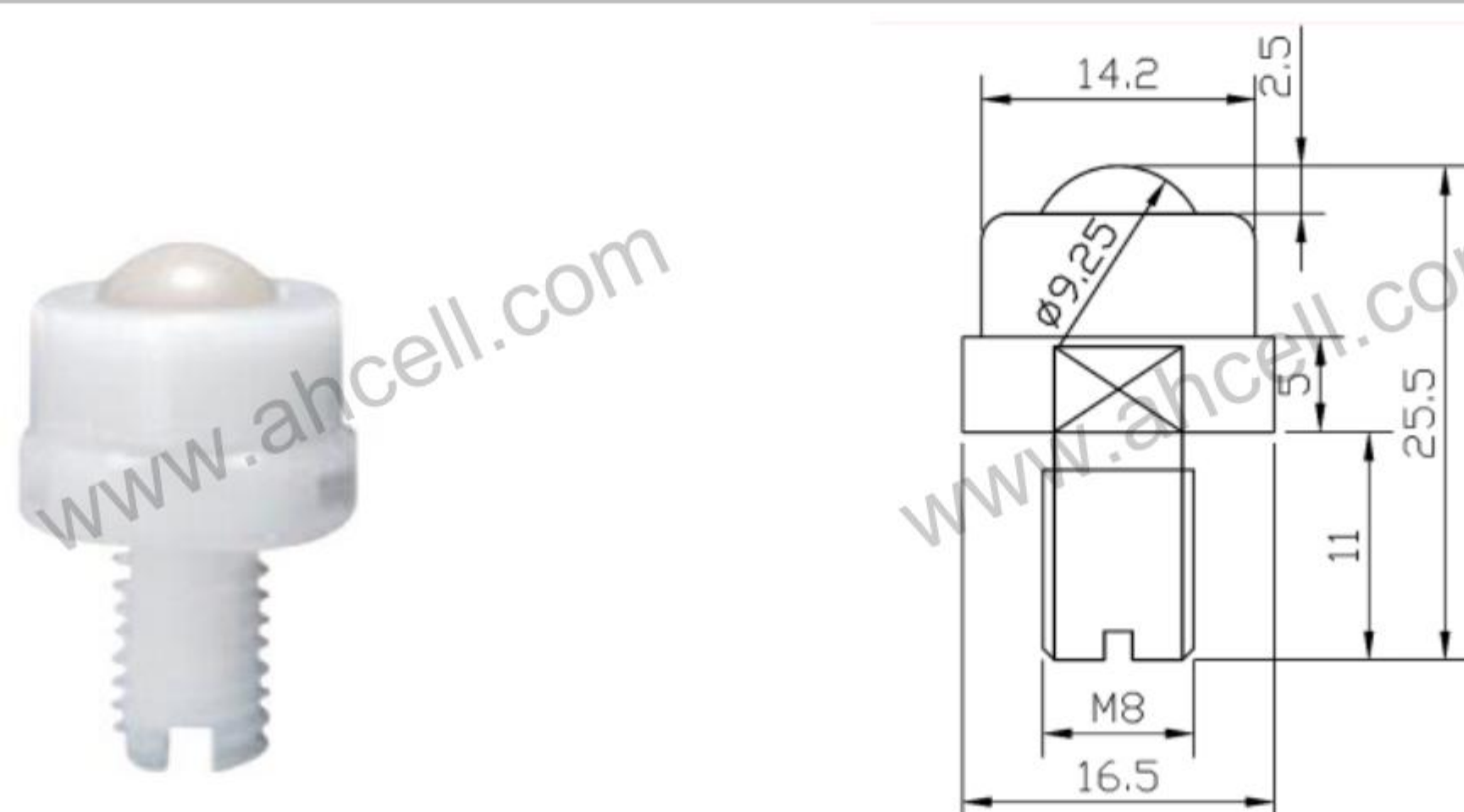
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-19C	10	15	0.050

Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-25C	20	25	0.110



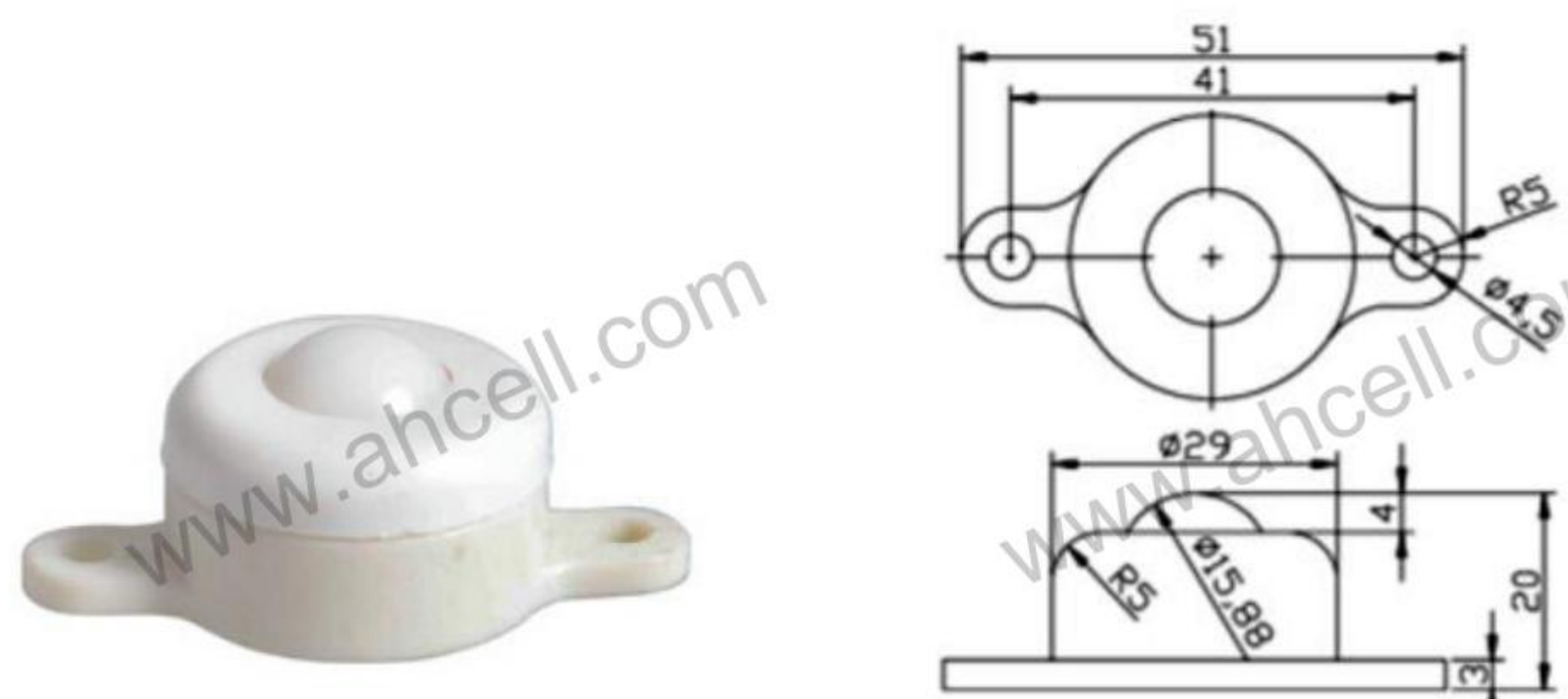
Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-8N	2	3	0.012

Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-15N	6	7	0.032



Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-10M	4	5	0.015

Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-15M	6	8	0.040

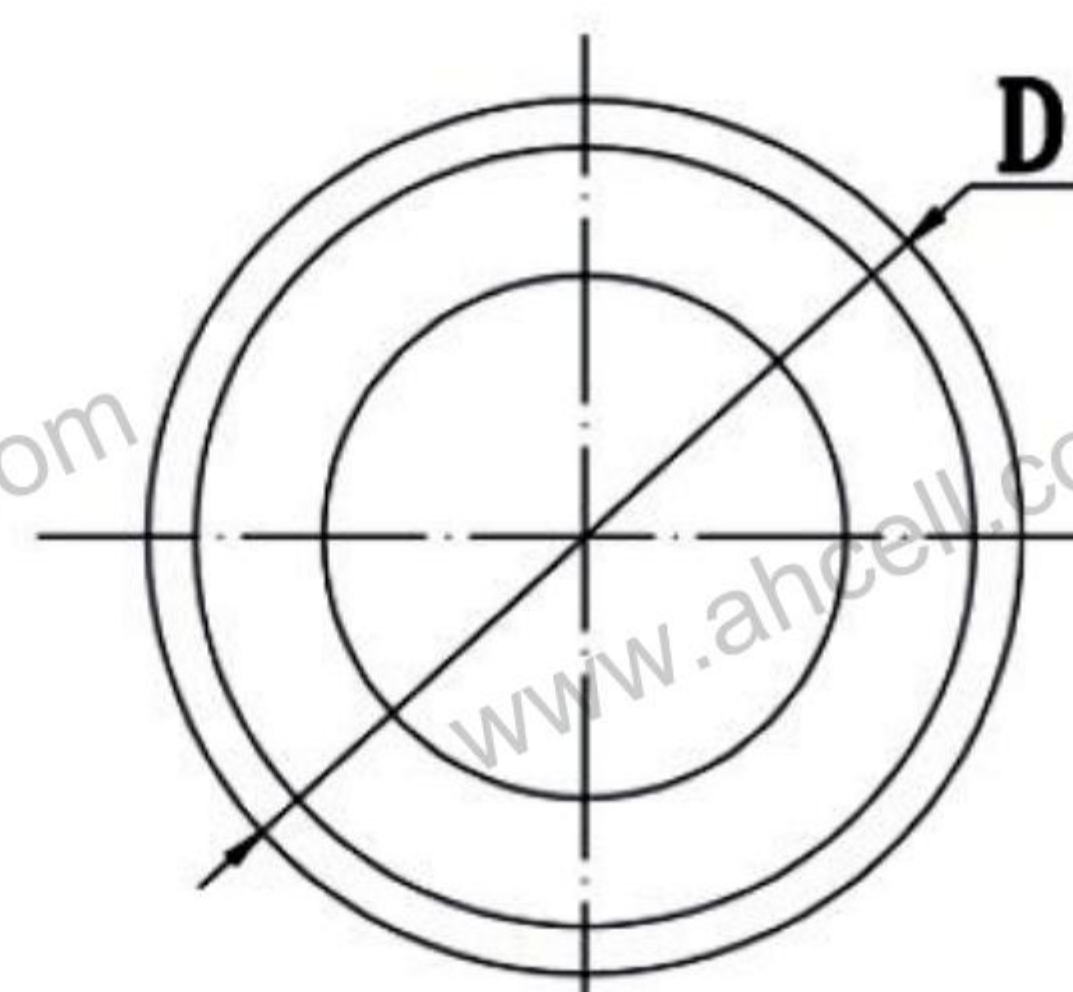
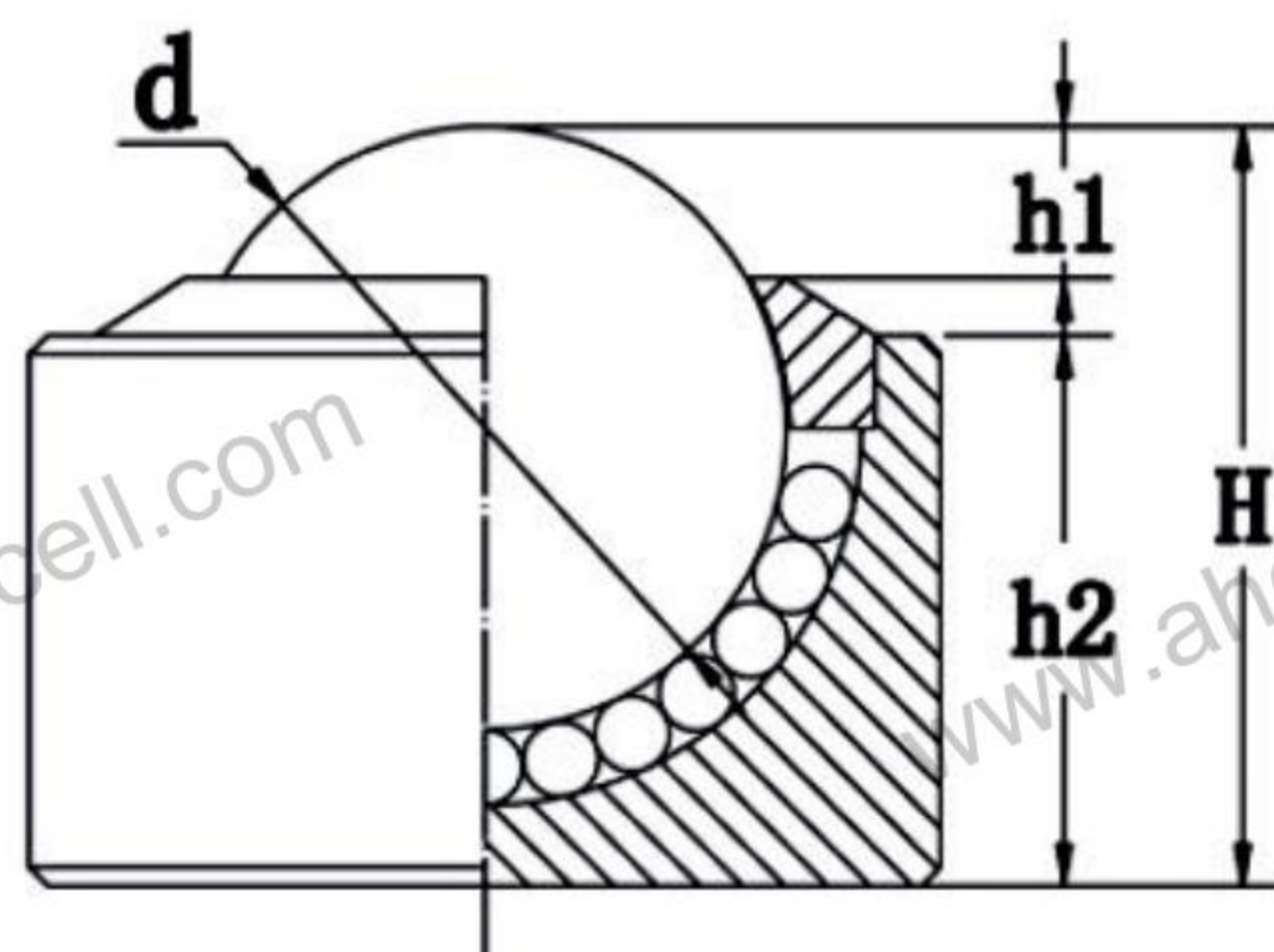


Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-16AA	8	10	0.035

Model	Maximum Loading(kg) Suggested	Maximum Loading(kg) Breaking	Net Weight (kg)
NL-25AA	15	20	0.050

KSM Pressed Mount Series

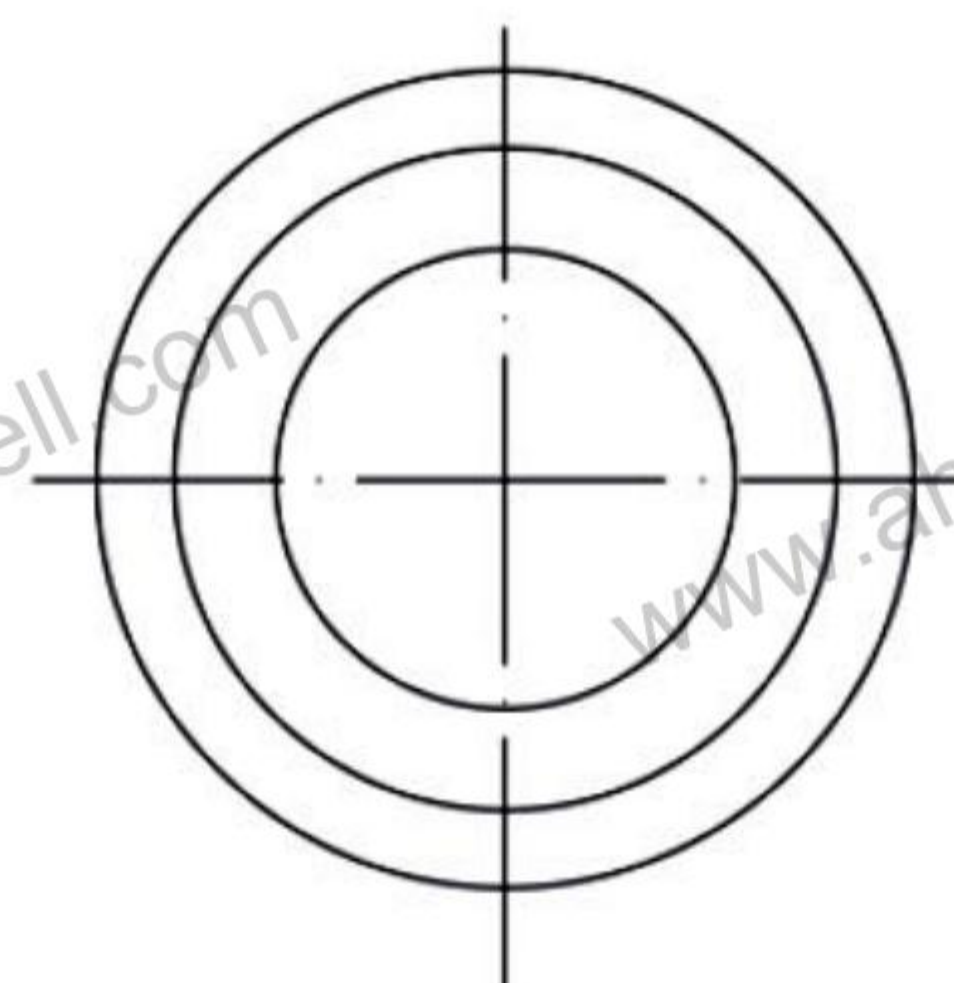
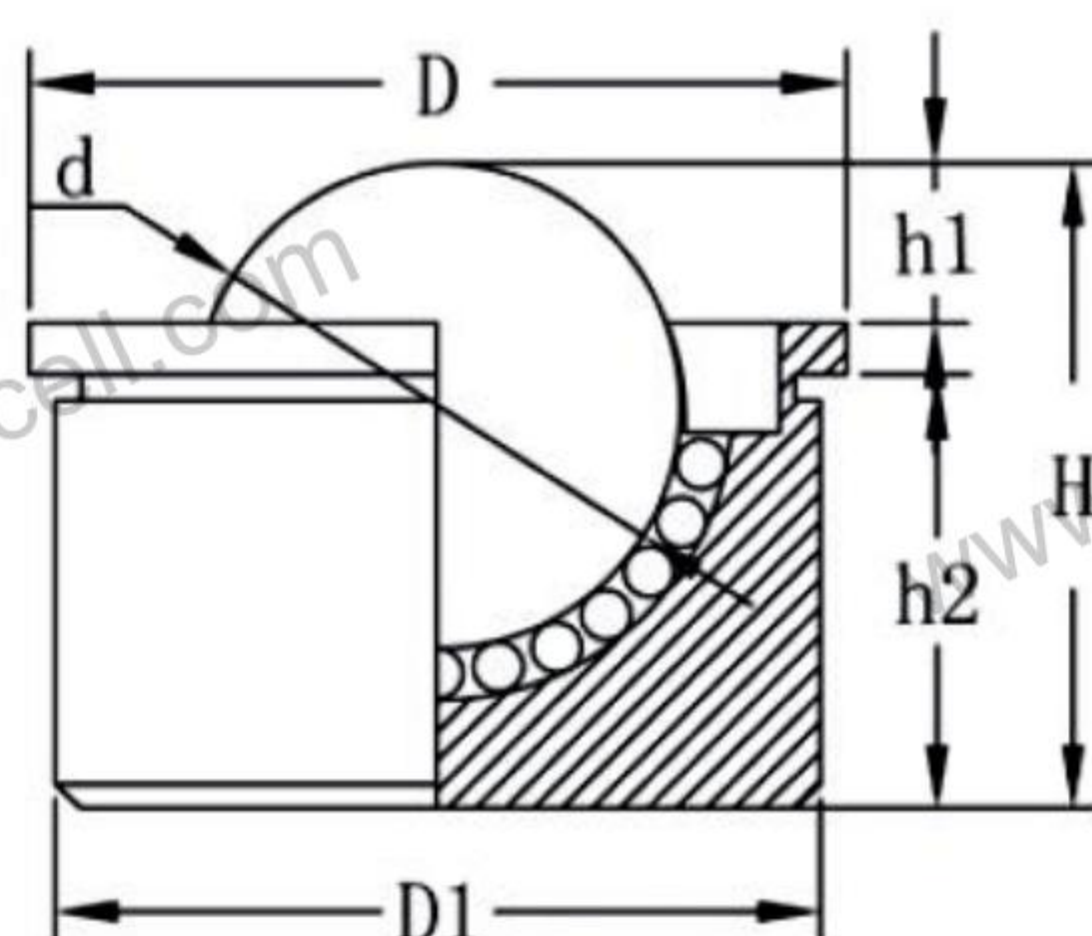
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	d	D	H	h1	H2	Maximum Loading(kg)		Net weight (kg)
						Suggested	Breaking	
KSM-8	8	12 _{-0.1}	10.3±0.1	1.7	8.0	5	8	0.006
KSM-10	10	16 _{-0.1}	12.5±0.1	2.5	8.50	15	20	0.028
KSM-12	12	22 _{-0.1}	15.5±0.1	2.0	14.0	25	30	0.035
KSM-15	15	24 _{-0.1}	20.0±0.1	4.0	20.0	40	45	0.050
KSM-22	22	36 _{-0.1}	31.0±0.1	6.0	23.0	80	100	0.190
KSM-25	25	37 _{-0.1}	32.0±0.15	6.5	24.0	120	150	0.250
KSM-30	30	45 _{-0.2}	38.0±0.15	8.0	27.0	180	200	0.340
KSM-38	38	55 _{-0.2}	48.0±0.2	9.5	33.5	250	300	0.560
KSM-45	45	62 _{-0.2}	53.4±0.2	11.0	37.6	400	450	0.900
KSM-60	60	100 _{-0.2}	77.5±0.2	20.0	47.5	550	600	2.100

MSM BCHA Pressed & Circlip Mount Series

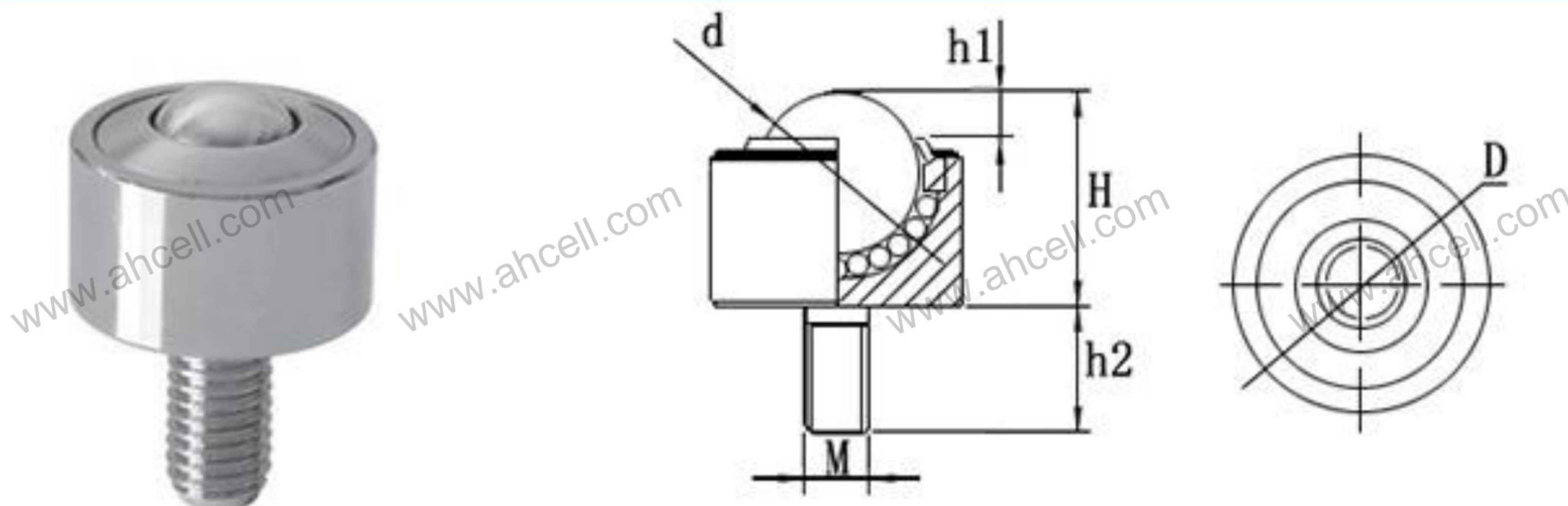
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	d	D	D1	H	h1	h2	Maximum Loading(kg)		Net weight (kg)
							Suggested	Breaking	
BCHA -8	8.73(11/32")	17 _{-0.1}	15	12.5±0.1	2.5	9	5.5	7	0.015
BCHA -10	10.32(13/32")	20 _{-0.1}	18	14.5±0.1	3.5	10	6	8	0.035
BCHA -15	15.88(5/8")	26 _{-0.1}	24	20.8±0.1	5.3	14	35	40	0.080
BCHA -19	19.05(3/4")	32 _{-0.1}	30	25.3±0.1	6.3	17	40	45	0.190

KSM-FL Bolt Mount Series

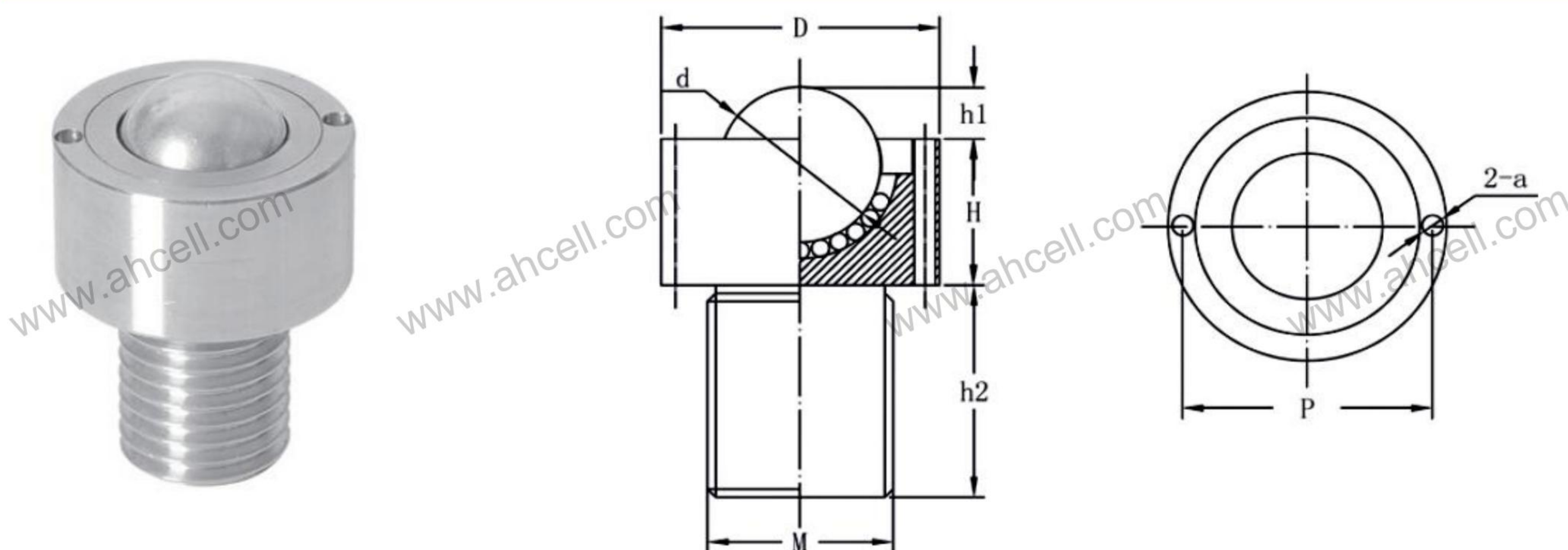
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	d	D	H	h1	h2	M	Maximum Loading(kg)		Net weight (kg)
							Suggested	Breaking	
KSM-8FL	7.93(5/16")	15	13	1.7	20	M5	8	15	0.020
KSM-12FL	11.90(15/32")	22	17	2.5	18	M8	25	30	0.035
KSM-15FL	15.88(5/8")	24	21	6	18	M8	40	45	0.060
KSM-22FL	22.23(7/8")	36	31	4	22	M10	90	100	0.180
KSM-25FL	25.40(1")	38	32	6.5	25	M12	130	150	0.190
KSM-30FL	30.16(1-3/16")	45	36.5	6.4	30	M16	250	300	0.410
KSM-38FL	38.10(1-1/2")	54	48	9.5	30	M16	300	350	0.600

MSM BCHM Bolt & Hole Mount Series

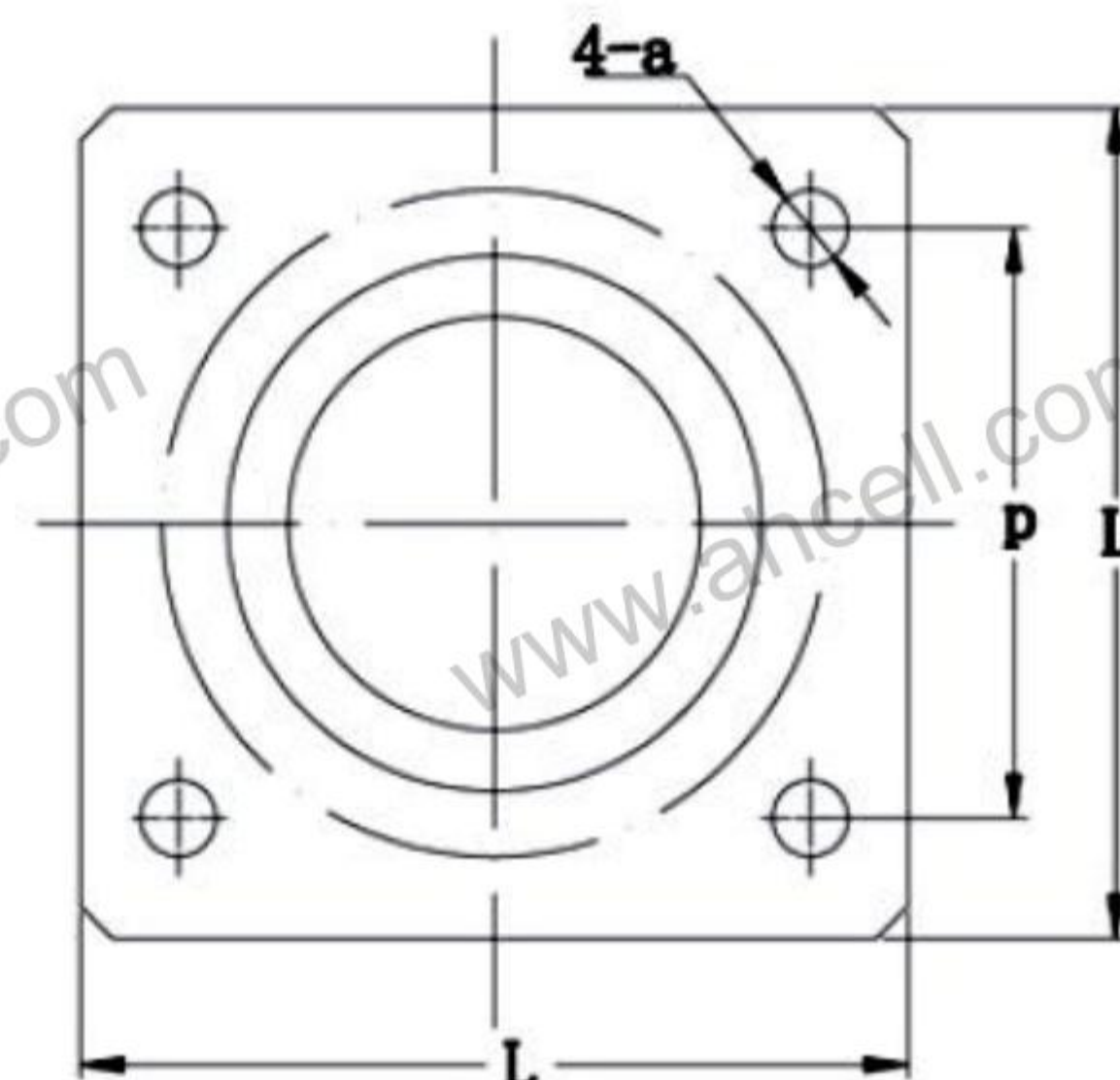
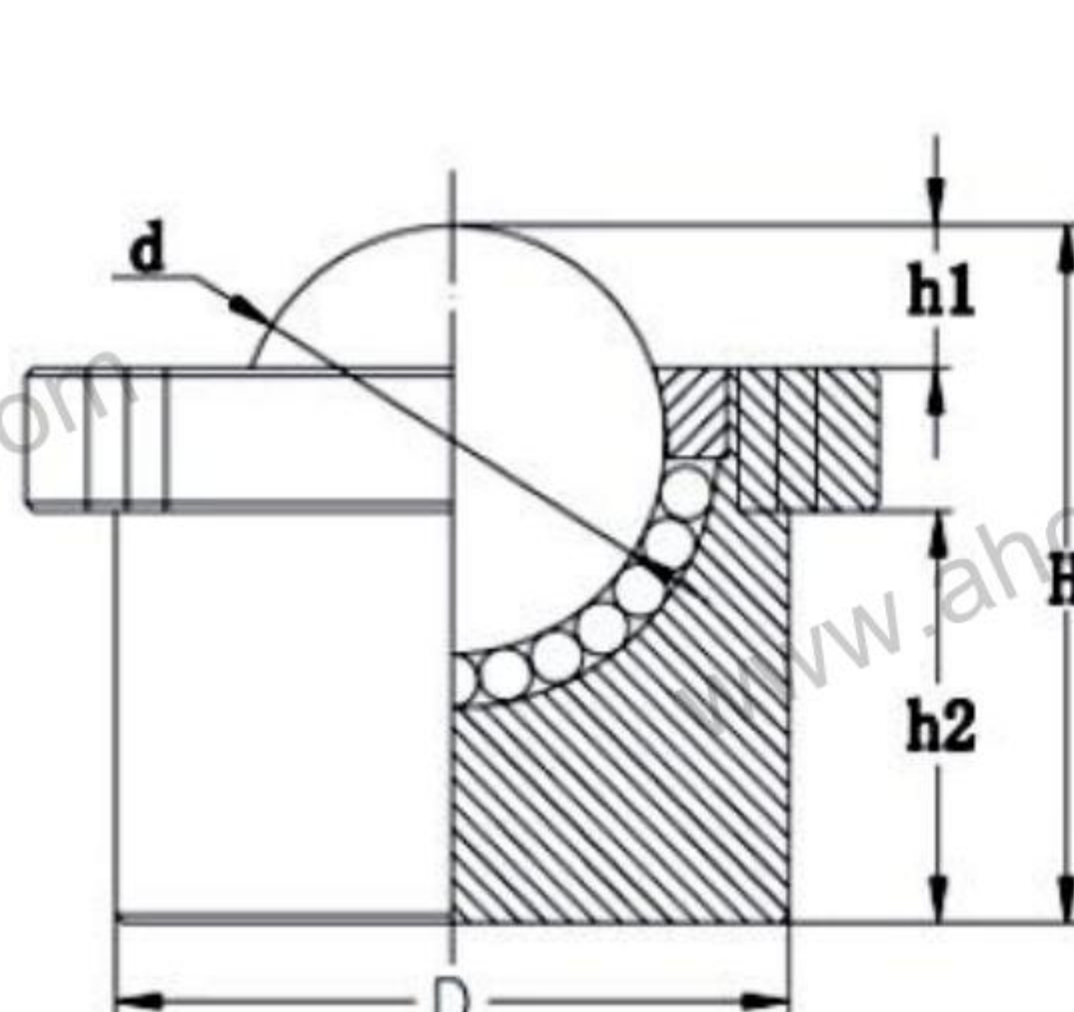
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	d	D	H	h1	h2	P	a	M	Maximum Loading(kg)		Net weight (kg)
									Suggested	Breaking	
BCHM-8	8.73(11/32")	18.5	10.0±0.1	2.5	12.0	15.0	2.0	M10	5.5	7	0.042
BCHM-10	10.30(13/32")	22.0	11.0±0.1	3.5	15.0	18.5	2.0	M12	6	8	0.065
BCHM-15	15.88(5/8")	27.0	15.0±0.1	5.3	20.0	24.0	2.5	M16	35	40	0.140
BCHM-19	19.05(3/4")	33.0	18.0±0.1	6.3	25.0	29.6	2.5	M20	42	47	0.250

Top Flange Mount SI Series

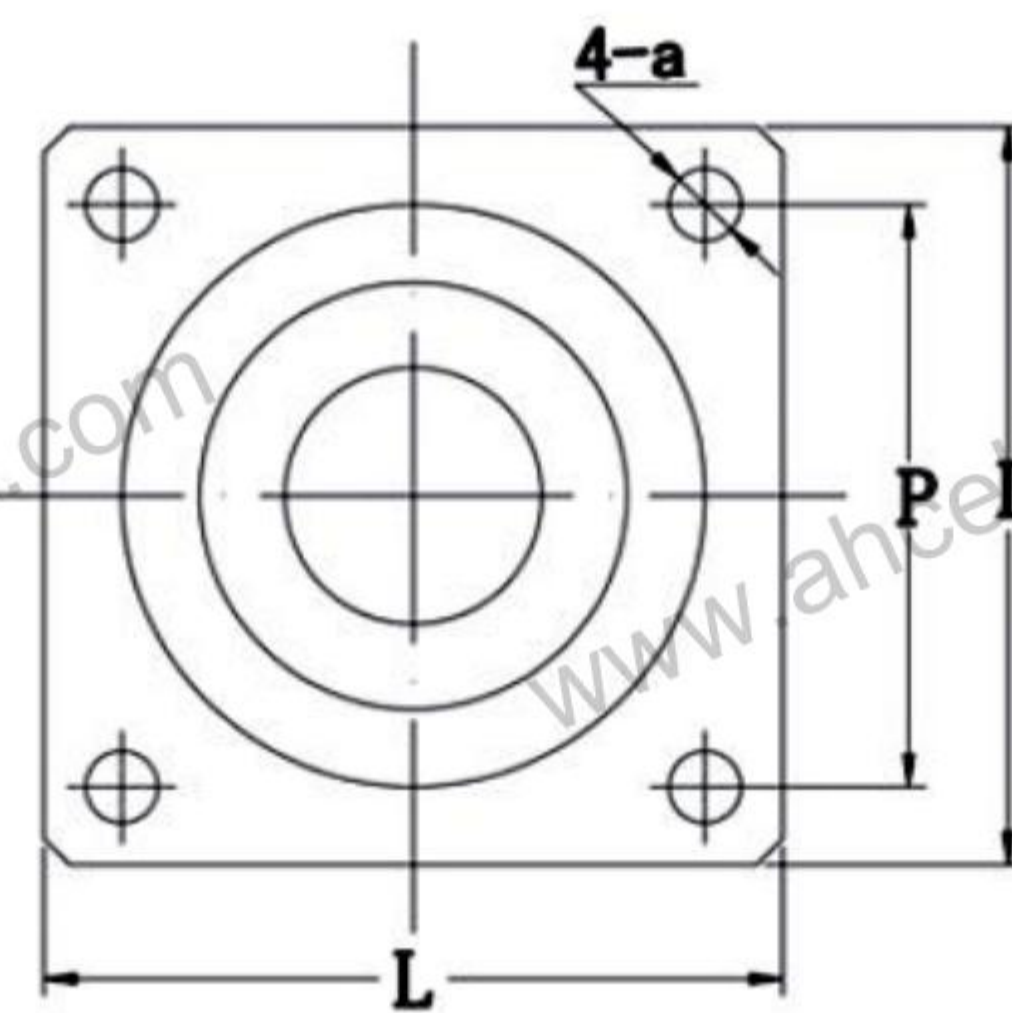
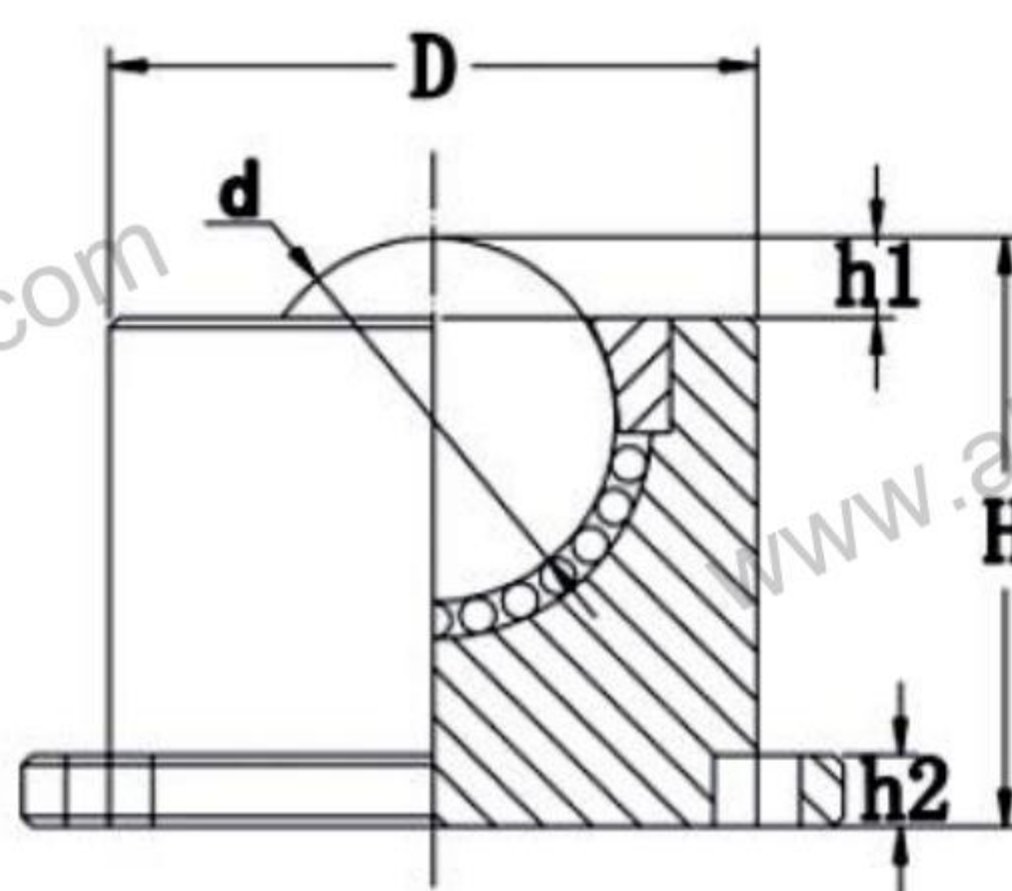
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	d	D	H	h1	h2	P	L	a	Maximum Loading(kg)		Net weight (kg)
									Suggested	Breaking	
SI-12	12.0	24	24	3.0	17.0	35	45	4.0	15	20	0.100
SI-25	25.4	45	42	5.6	31.7	45	57	6.0	150	200	0.490
SI-30	30.2	54	50	6.5	37.5	54	68	6.5	250	300	1.100
SI-38	38.1	60	62	12.7	36.6	58	76	7.0	350	400	1.400
SI-51	51.0	102	98	14.3	64.7	102	127	11.0	600	700	6.400

Bottom Flange Mount SD Series

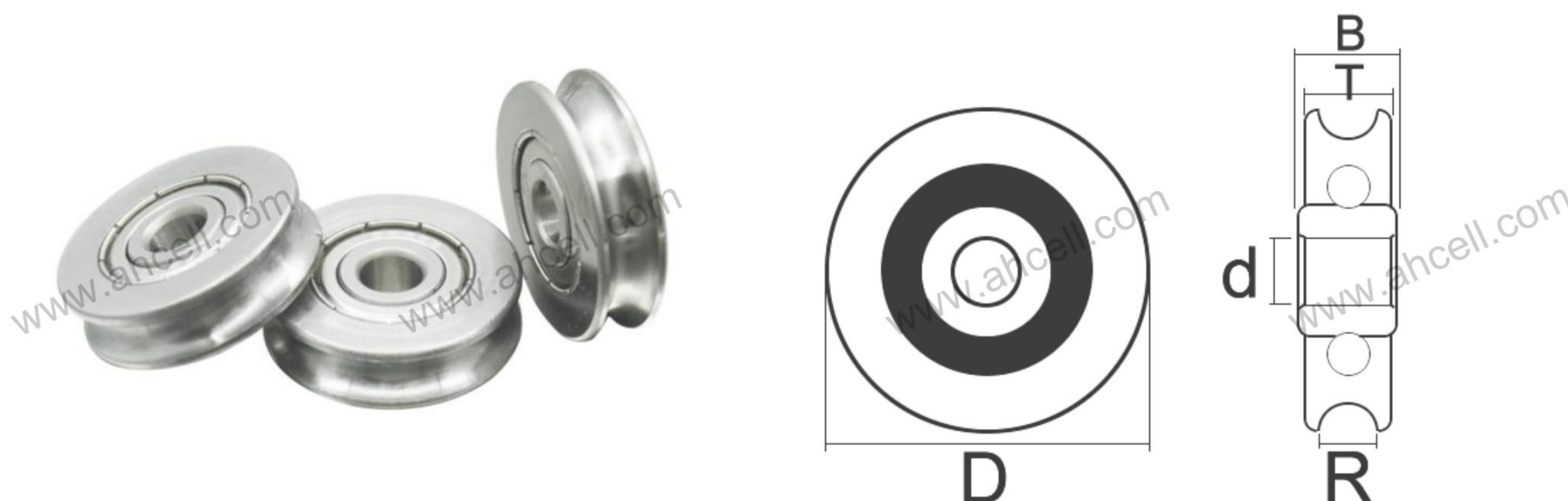
Available materials: BS/CS,SS/CS,SS/SS,NL/CS,NL/SS



Model	d	D	H	h1	h2	P	L	a	Maximum Loading(kg)		Net weight (kg)
									Suggested	Breaking	
SD-12	12.0	24	23	3.5	3	35	45	3.6	15	20	0.180
SD-25	25.4	45	41	5.6	5	45	57	5.6	150	200	0.490
SD-30	30.2	54	49	6.5	6	54	68	6.5	250	300	1.200
SD-38	38.1	60	62	13.0	13	58	76	7.1	350	400	1.800
SD-51	51.0	100	98	14.3	9.6	102	127	11	600	700	5.600

Grooved Bearing Roller U Series

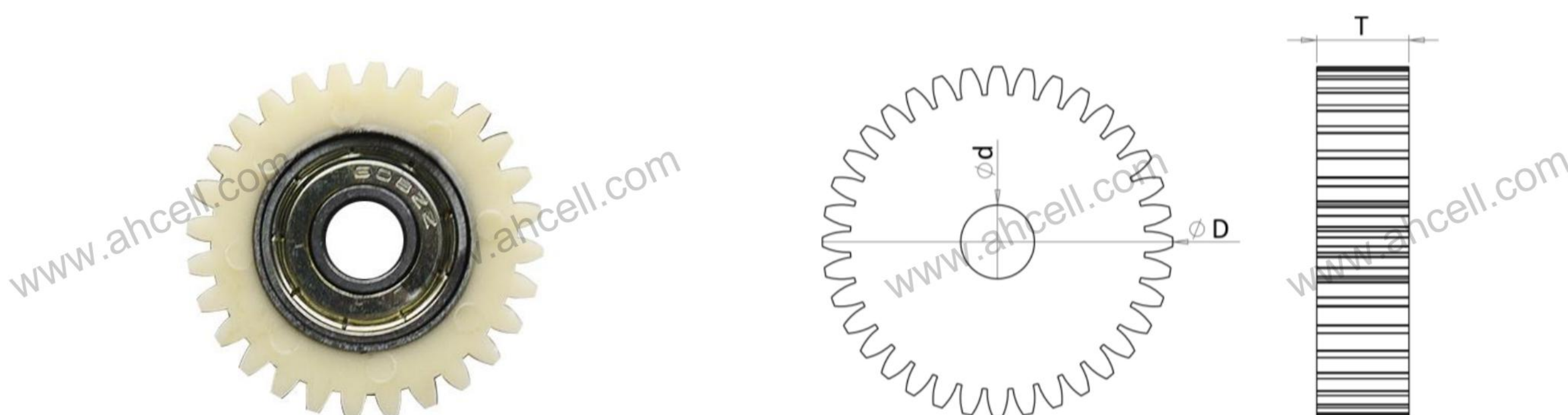
Stainless steel / Bearing steel / Nylon with precision ball bearing



Model No.	Roller Material	d	D	R	B	T	For tube/rope	Weight
SSU042007	Stainless steel 440C	4	19.5	5	7.2	6.7	≤5.0mm	0.010kg
SSU062507	Stainless steel 440C	6	25	5	7	7	≤5.0mm	0.017kg
SSU063008	Stainless steel 440C	6	29.3	5	9	8	≤5.0mm	0.028kg
BSU041807	Bearing Steel, Plated	4	18	7	8	7	≤3.5mm	0.009kg
BSU042207	Bearing Steel, Plated	4	22	4.5, V	6.5	6.5	≤1.0mm	0.011kg
BSU063008	Bearing Steel, Plated	6	30	5	9	8	≤5.0mm	0.027kg
U083010	Nylon PA66	8	30	6	10	10	≤6.0mm	0.008kg

Nylon Gear T Series

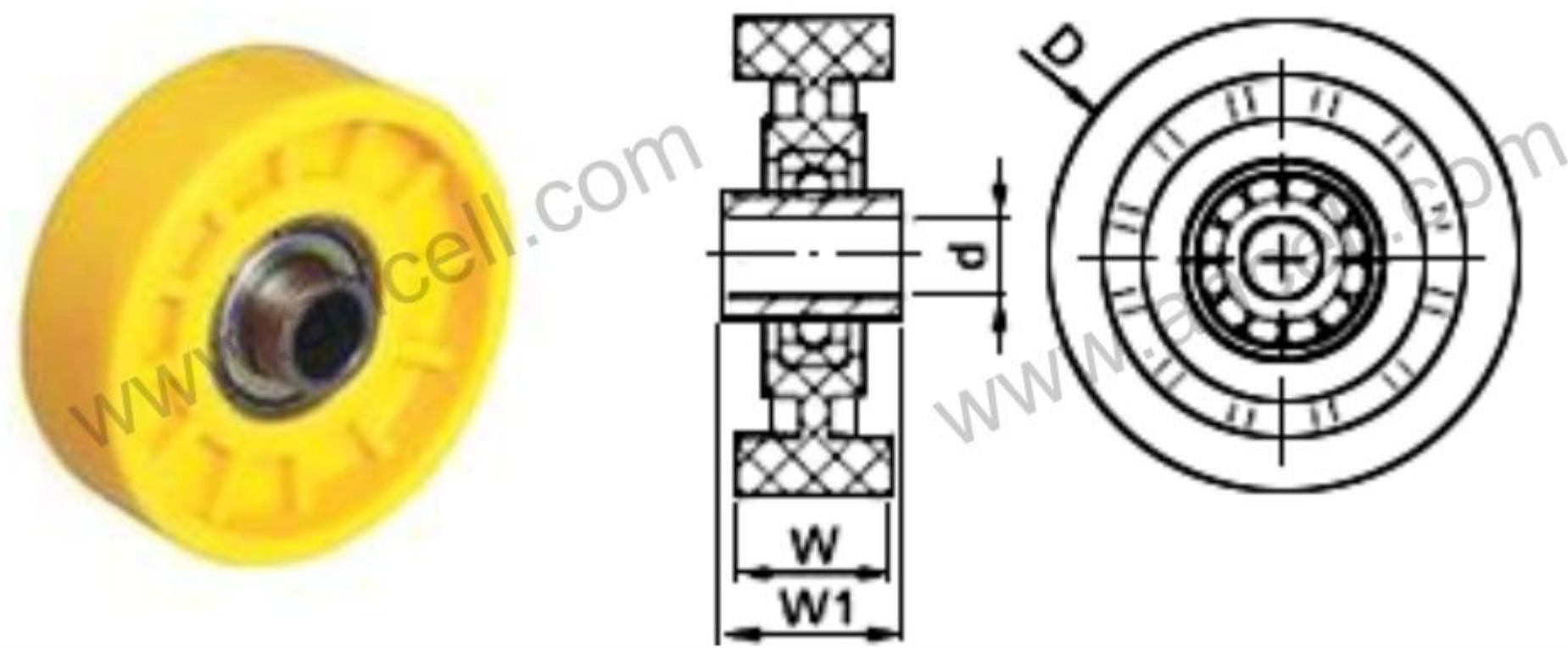
Nylon gear with precision ball bearing



Model No.	d	D	T	Teeth	Bearing	Weight
36T083810	8	38	10	36 Teeth	608ZZ	0.031kg
36T083812	8	38	12	36 Teeth	608ZZ	0.035kg
31T083812	8	38	12	31 Teeth	608ZZ	0.035kg
28T083810	8	38	10	28 Teeth	608ZZ	0.031kg
28T083812	8	38	12	28 Teeth	608ZZ	0.035kg
30T124815	12	48	15	30 Teeth	6001RS	0.040kg

Conveyor Roller SWS Series

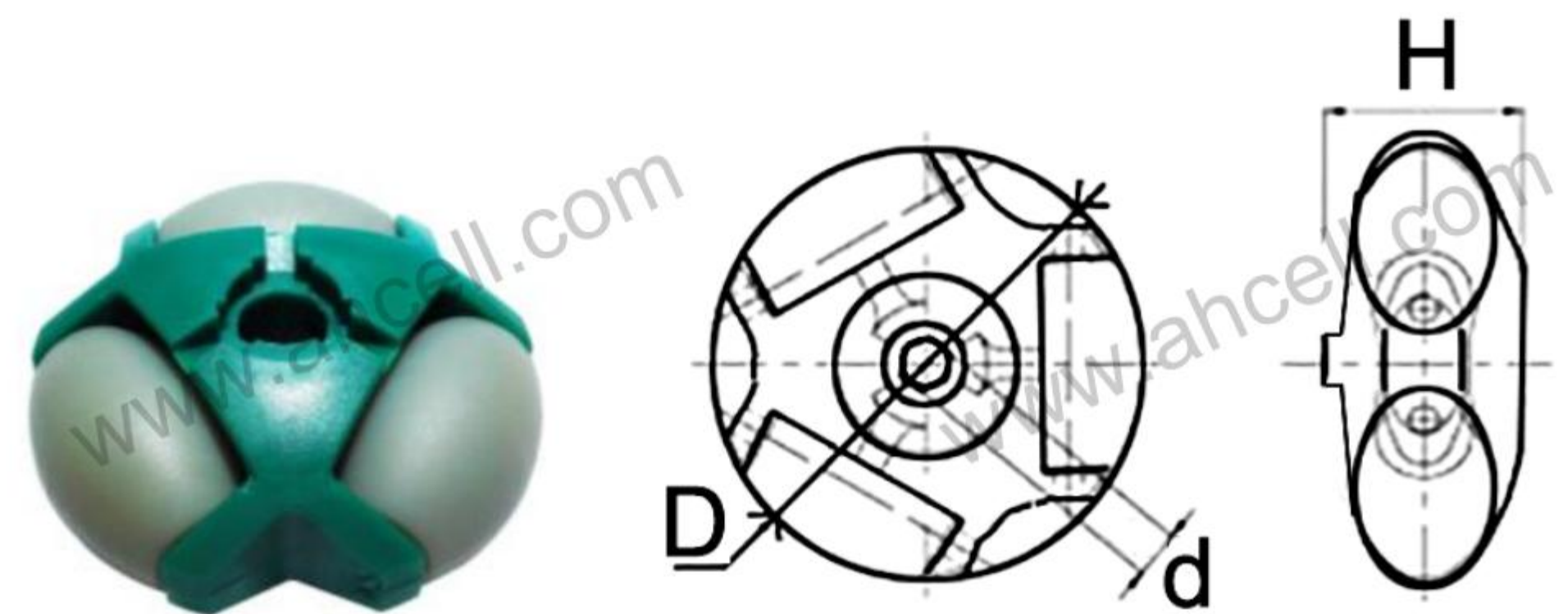
Plastic with precision ball bearing



Model	d	D	W	W1
SWS-38	8	38	14	18
SWS-50	8	48.5	15	18

Conveyor Roller Omniwheel

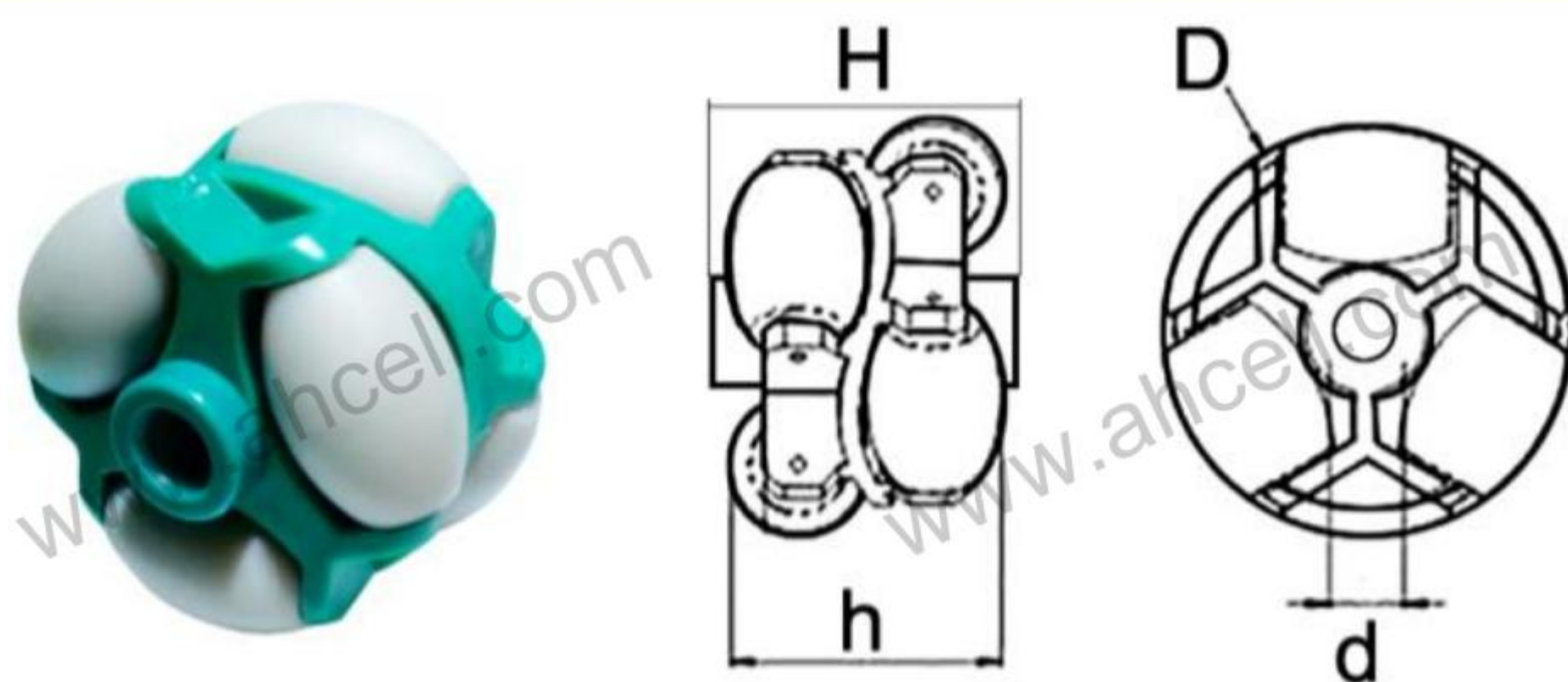
Nylon wheel with rollers



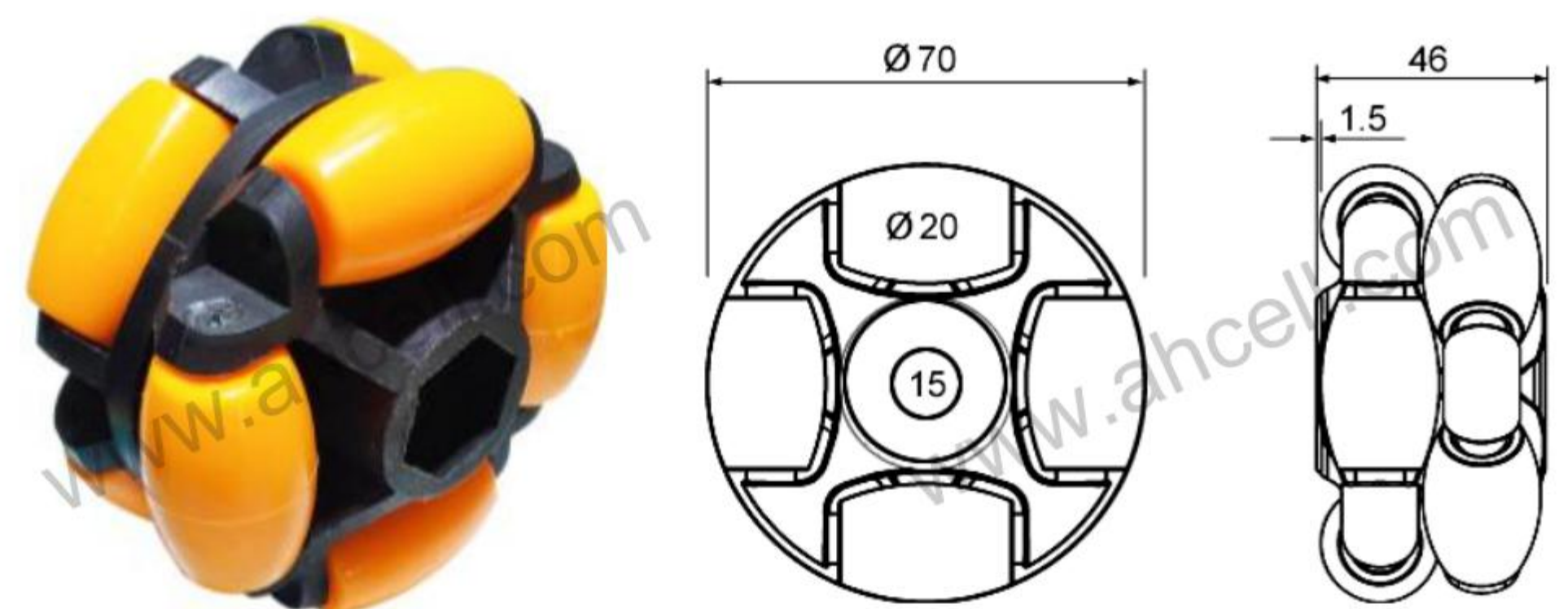
Model	d	D	Height	Rollers
SWT-48	8 R/H	48	22	3
SWT-82	12 R/H	82	34	3

Conveyor Roller Omniwheel

Nylon wheel with rollers



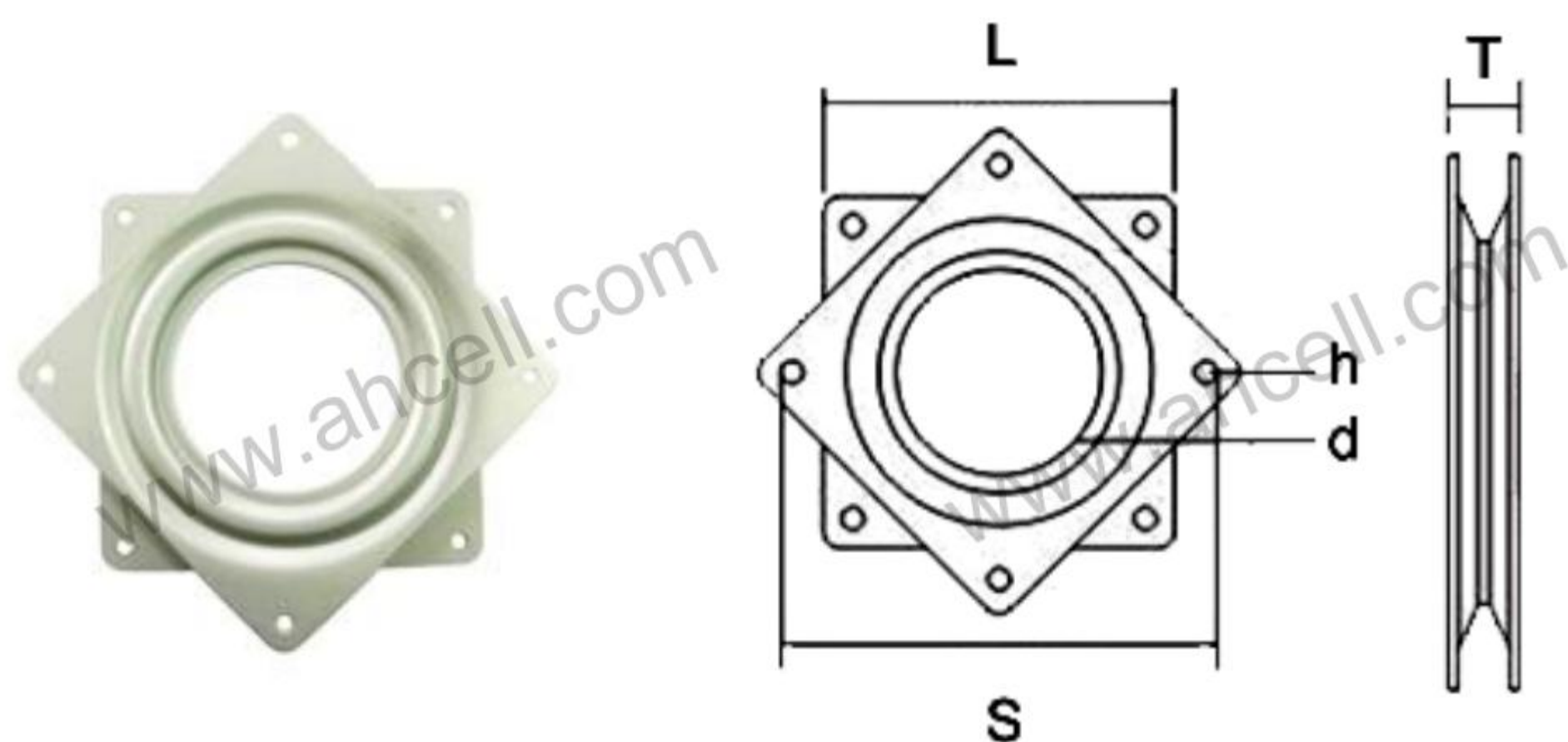
Model	d	D	Height	Rollers
SWC-50	8 Round	50	40	6
SWC-60	10 Round	60	40	6



Model	d	D	Height	Rollers
SWC-70R	15 Round	70	46	8
SWC-70H	14 Hex	70	46	8

Lazy Susan Bearing

Steel with ball bearing



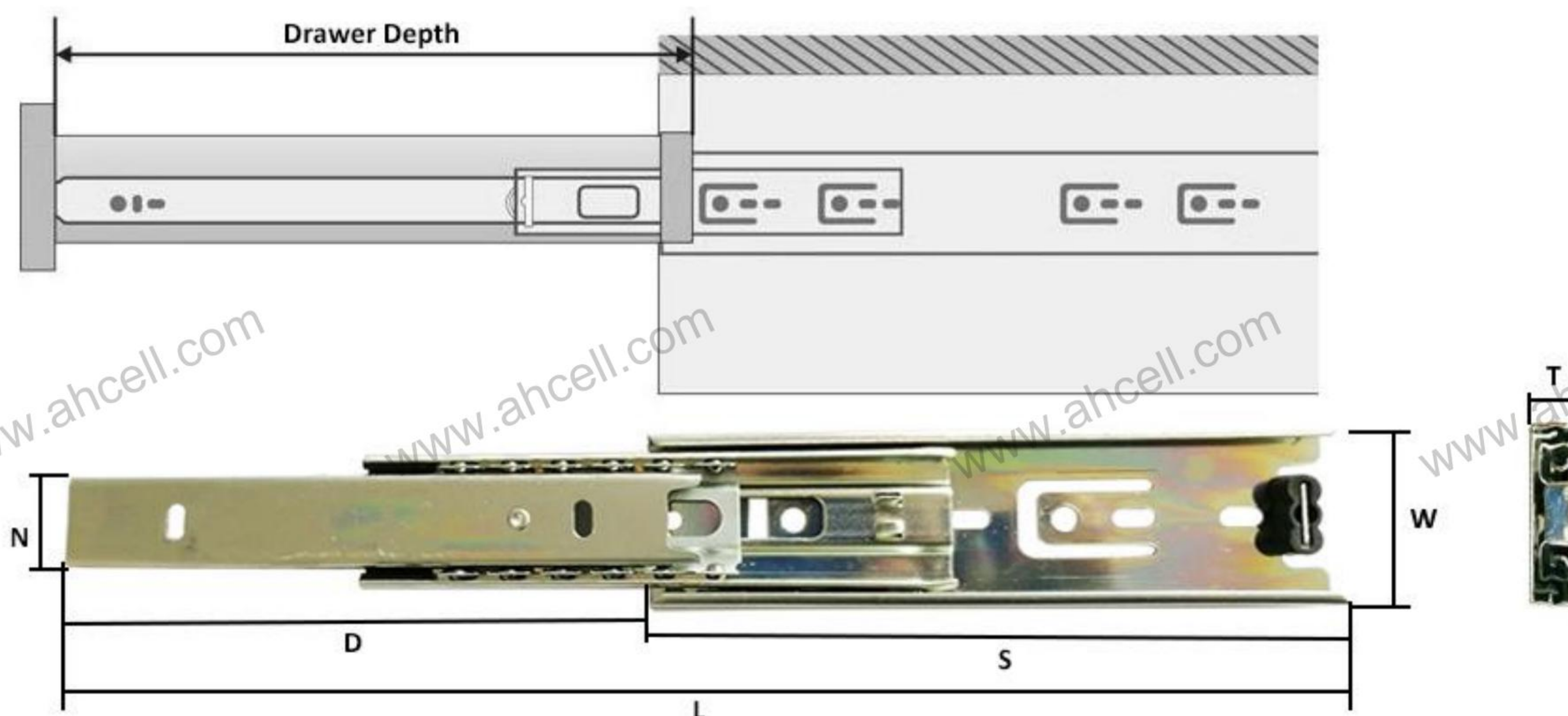
Model	d	h	L	S	T
LS-51	11	4	51	68	9
LS-71	36	4	71	86	9
LS-95	54	4	95	120	9
LS-149	10	6x15	149	205	22



Model	d	D	h	L	S	T
LS-139	62.5	77.5	4	40	139	10
LS-204	102	134.5	4	74	204	9
LS-230	115	145	7	78	230	8.6

Telescopic Slide SG Series

Zinc pre-plated steel with solid steel balls inside



(mm)

Model	Color	S	D(max.)	L(max.)	W	N	T
SG100	Steel	100	60	160	45	25	12
SG160	Steel	160	135	295	45	25	12
SG200	Steel	200	190	390	45	25	12
SG250	Steel	250	240	490	45	25	12
SG300	Steel	300	290	590	45	25	12
SG350	Steel	350	340	690	45	25	12
SG400	Steel	400	390	790	45	25	12
SG450	Steel	450	440	890	45	25	12
SG500	Steel	500	490	990	45	25	12
SG200BK35	Black	200	180	370	35	18	10
SG200BK	Black	200	190	390	45	25	12
SG250BK	Black	250	240	490	45	25	12
SG300BK	Black	300	290	590	45	25	12
SG350BK	Black	350	340	690	45	25	12
SG400BK	Black	400	390	790	45	25	12
SG450BK	Black	450	440	890	45	25	12
SG500BK	Black	500	490	990	45	25	12
SG250SS	Stainless steel	250	240	490	45	25	12
SG300SS	Stainless steel	300	290	590	45	25	12
SG350SS	Stainless steel	350	340	690	45	25	12
SG400SS	Stainless steel	400	390	790	45	25	12
SG450SS	Stainless steel	450	440	890	45	25	12

* Some sizes maybe have 0.3-1cm tolerance

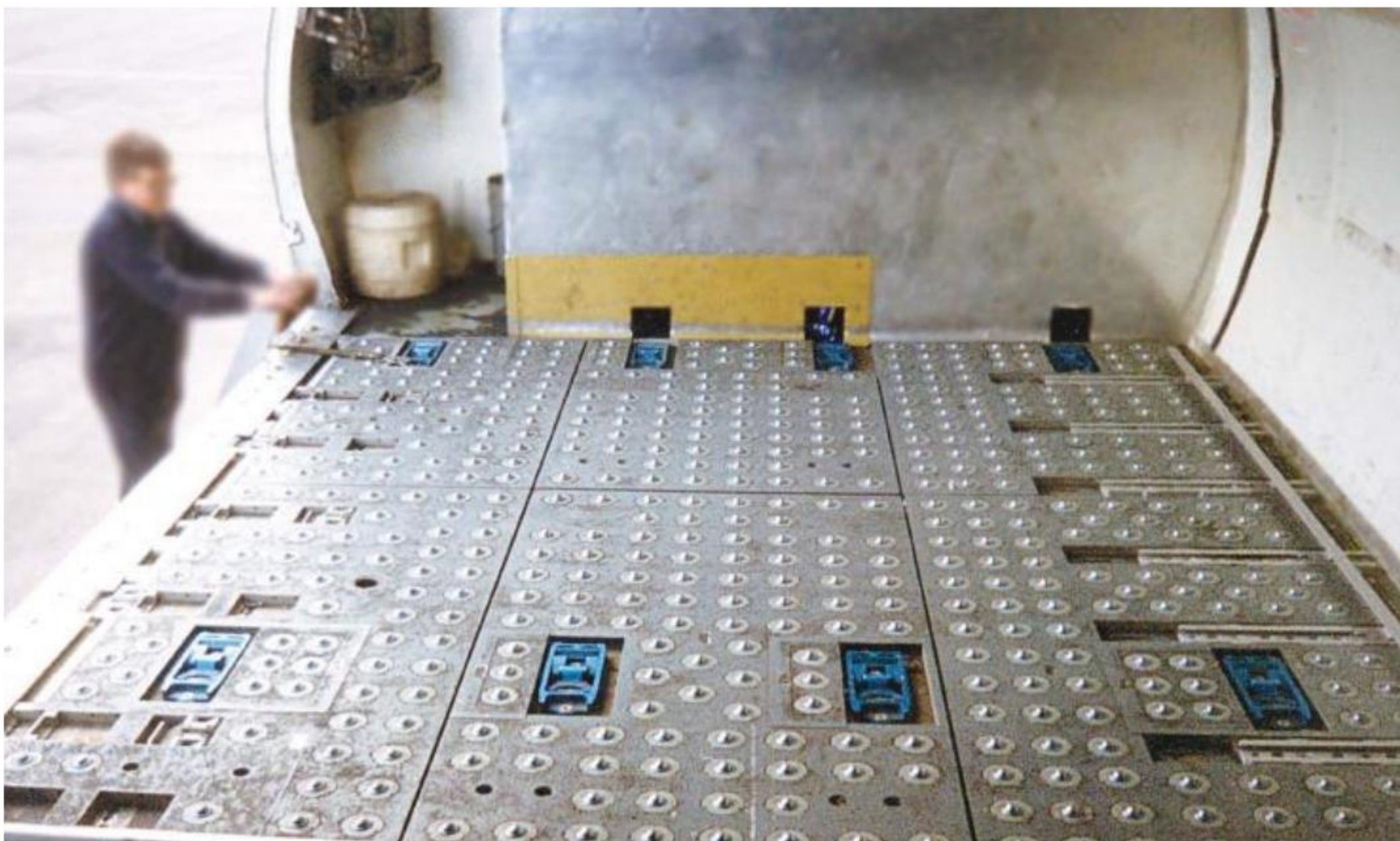
Some application cases:



Ball Platform in DHL Heathrow Air Cargo Facility



Ball Transfer Units Conveyors Floor



Ball Transfer Units Deck on Board Aircraft



Ball Transfer Units Air cargo Dolly



Ball Transfer Units Deck for ULD Zurich Airport



Ball Transfer units for Baggage Handling

SOPERB



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