

TA 500

Ball valve – DN 10-50



TA

Expert System Components

ENGINEERING ADVANTAGE

Used in heating, cooling and tap water systems, the TA 500 is made of AMETAL®, minimising the risk of leakage and maximising product lifetime.

> Teflon-coated ball

For optimum manoueverability.

> Double PTFE sealings

Minimise the risk of leakage and ensure a trouble-free operation.

> AMETAL®

Dezincification resistant alloy that guarantees a longer valve lifetime, and lowers the risk of leakage.



> Technical description

Applications:

Heating and cooling systems
Tapwater systems
Process systems where the media does not affect the incoming material.

Function:

Shut-off

Dimensions:

DN 10-50

Pressure class:

PN 25 (see below)

Temperature:

Max. working temperature: 185°C

Min. working temperature: -50°C

NOTE! DN 25-50 with smooth ends max working temperature 120°C and min working temperature -20°C irrespective of pressure.

Pressure and temperature limits:

Max pressure at different temperature	Threaded	With soldering bush
90°C	25 bar	16 bar
130°C	16 bar	16 bar
160°C	10 bar	10 bar
185°C	5 bar	5 bar

Material:

Body: AMETAL®
Spindle: AMETAL®
Ball: Teflonized AMETAL®
Spindle seal springs: Stainless steel
Seal rings: PTFE
Lever (blue): Epoxy painted die-cast aluminium.
Handle (red): Epoxy painted die-cast aluminium.
Reduction unit: Nickel-plated die-cast zinc alloy and handwheel (blue) of glass fibre re-inforced plastic.
Smooth ends:
Nipple: AMETAL®
Sealing (DN 25-50): EPDM O-ring

AMETAL® is the dezincification resistant alloy of TA.

Surface treatment:

TA No 58 500/58 503, 58 540/58 543: Nickel-plated
The rest of the product range not treated (yellow).

Insulation:

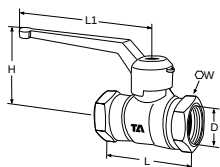
Use valves with a spindle extension or with a reduction unit when using insulation.

Installation:

The lever and the reduction unit can easily be removed if necessary.

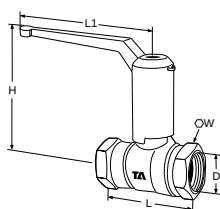
Standard

With lever



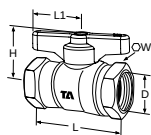
Article No	EAN	DN	D	L	L1	H	W	Kvs	Kg
58 503-110*	7318793324108	10	G3/8	60	126	59	22	6	0,26
58 503-115*	7318793324207	15	G1/2	65	126	62	26	13	0,31
58 503-120*	7318793324306	20	G3/4	78	126	67	32	40	0,44
58 500-125	7318793322807	25	G1	92	126	71	40	60	0,69
58 500-132	7318793322906	32	G1 1/4	105	180	92	50	100	1,2
58 500-140	7318793323002	40	G1 1/2	120	180	99	56	150	1,8
58 500-150	7318793323101	50	G2	145	180	107	70	270	2,7

With spindle extension



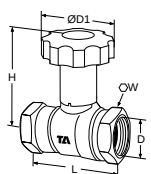
Article No	EAN	DN	D	L	L1	H	W	Kvs	Kg
58 503-610*	7318793324405	10	G3/8	60	126	104	22	6	0,32
58 503-615*	7318793324504	15	G1/2	65	126	107	26	13	0,38
58 503-620*	7318793324603	20	G3/4	78	126	112	32	40	0,51
58 500-625	7318793323200	25	G1	92	126	116	40	60	0,75
58 500-632	7318793323309	32	G1 1/4	105	180	135	50	100	1,3
58 500-640	7318793323408	40	G1 1/2	120	180	142	56	150	2,0
58 500-650	7318793323507	50	G2	145	180	150	70	270	2,9

With handle (red)



Article No	EAN	DN	D	L	L1	H	W	Kvs	Kg
58 503-915*	7318793325006	15	G1/2	65	45	45	26	13	0,29
58 503-920*	7318793325105	20	G3/4	78	45	48	32	40	0,43
58 500-925	7318793324009	25	G1	92	45	52	40	60	0,68

With assembled reduction unit



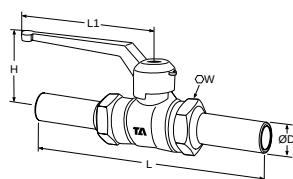
Article No	EAN	DN	D	D1	L	H	W	Kvs	Kg
58 503-710*	7318793324702	10	G3/8	70	60	91	22	6	0,37
58 503-715*	7318793324801	15	G1/2	70	65	94	26	13	0,42
58 503-720*	7318793324900	20	G3/4	70	78	99	32	40	0,52
58 500-725	7318793323606	25	G1	70	92	103	40	60	0,80
58 500-732	7318793323705	32	G1 1/4	110	105	113	50	100	1,3
58 500-740	7318793323804	40	G1 1/2	110	120	120	56	150	2,0
58 500-750	7318793323903	50	G2	110	145	128	70	270	2,9

*) Can be connected to smooth pipes by KOMBI compression coupling. See catalogue leaflet KOMBI.

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

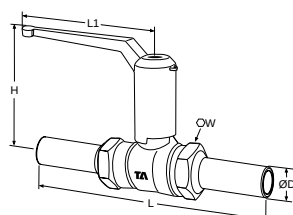
With smooth ends

With lever



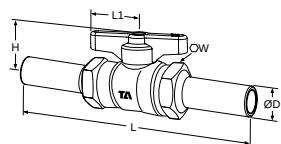
Article No	EAN	DN	D	L	L1	H	W	Kvs	Kg
58 543-110	7318793937308	10	12	118	126	59	22	3	0,32
58 543-115	7318793937407	15	15	129	126	62	26	10	0,41
58 543-120	7318793937506	20	22	160	126	67	32	19	0,60
58 540-125	7318793938107	25	28	190	126	71	40	30	0,94
58 540-132	7318793938206	32	35	214	180	92	50	53	1,6
58 540-140	7318793938305	40	42	250	180	99	56	91	2,3
58 540-150	7318793949608	50	54	295	180	107	70	176	3,5

With spindle extension



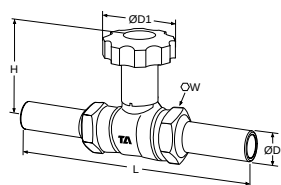
Article No	EAN	DN	D	L	L1	H	W	Kvs	Kg
58 543-610	7318793937605	10	12	118	126	104	22	3	0,38
58 543-615	7318793937704	15	15	129	126	107	26	10	0,48
58 543-620	7318793937803	20	22	160	126	112	32	19	0,67
58 540-625	7318793938404	25	28	190	126	116	40	30	1,0
58 540-632	7318793938503	32	35	214	180	135	50	53	1,7
58 540-640	7318793938602	40	42	250	180	142	56	91	2,5
58 540-650	7318793938701	50	54	295	180	150	70	176	3,7

With handle (red)



Article No	EAN	DN	D	L	L1	H	W	Kvs	Kg
58 543-915	7318793937902	15	15	129	45	45	26	10	0,39
58 543-920	7318793938008	20	22	160	45	48	32	19	0,59
58 540-925	7318793938800	25	28	190	45	52	40	30	0,93

With assembled reduction unit

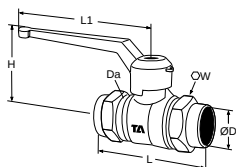


Article No	EAN	DN	D	D1	L	H	W	Kvs	Kg
58 543-710	7318793938909	10	12	70	118	91	22	3	0,43
58 543-715	7318793939005	15	15	70	129	94	26	10	0,52
58 543-720	7318793939104	20	22	70	160	99	32	19	0,68
58 540-725	7318793939203	25	28	70	190	103	40	30	1,1
58 540-732	7318793939302	32	35	110	214	113	50	53	1,7
58 540-740	7318793939401	40	42	110	250	120	56	91	2,5
58 540-750	7318793939500	50	54	110	295	128	70	176	3,6

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

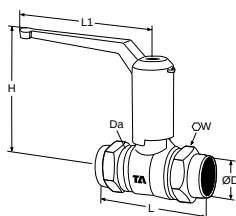
With soldering coupling

With lever



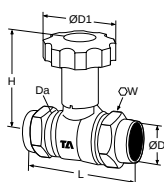
Article No	EAN	DN	D	Da	L	L1	H	W	Kvs	Kg
58 507-012	7318793325204	15	12	M26x1,5	90	126	62	30	13	0,41
58 507-015	7318793325303	15	15	M26x1,5	90	126	62	30	13	0,42
58 507-018	7318793325402	20	18	M34x1,5	100	126	67	38	40	0,61
58 507-022	7318793325501	20	22	M34x1,5	100	126	67	38	40	0,64
58 507-028	7318793325600	25	28	M40x2,0	115	126	71	46	60	0,94
58 507-035	7318793325709	32	35	M50x2,0	129	180	92	55	100	1,6
58 507-042	7318793325808	40	42	M55x2,0	143	180	99	62	150	2,2
58 507-054	7318793325907	50	54	M70x2,0	162	180	107	78	270	3,4

With spindle extension



Article No	EAN	DN	D	Da	L	L1	H	W	Kvs	Kg
58 507-612	7318793326607	15	12	M26x1,5	90	126	107	30	13	0,48
58 507-615	7318793326706	15	15	M26x1,5	90	126	107	30	13	0,49
58 507-618	7318793326805	20	18	M34x1,5	100	126	112	38	40	0,67
58 507-622	7318793326904	20	22	M34x1,5	100	126	112	38	40	0,70
58 507-628	7318793327000	25	28	M40x2,0	115	126	116	46	60	1,0
58 507-635	7318793327109	32	35	M50x2,0	129	180	135	55	100	1,7
58 507-642	7318793327208	40	42	M55x2,0	143	180	142	62	150	2,3
58 507-654	7318793327307	50	54	M70x2,0	162	180	150	78	270	3,5

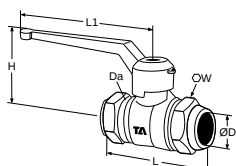
With assembled reduction unit



Article No	EAN	DN	D	D1	Da	L	H	W	Kvs	Kg
58 507-715	7318793327505	15	15	70	M26x1,5	90	94	30	13	0,51
58 507-718	7318793327604	20	18	70	M34x1,5	100	99	38	40	0,71
58 507-722	7318793327703	20	22	70	M34x1,5	100	99	38	40	0,74
58 507-728	7318793327802	25	28	70	M40x2,0	115	103	46	60	1,1
58 507-735	7318793327901	32	35	110	M50x2,0	129	113	55	100	1,5
58 507-742	7318793328007	40	42	110	M55x2,0	143	120	62	150	1,7
58 507-754	7318793328106	50	54	110	M70x2,0	162	128	78	270	3,5

With FPL

With lever

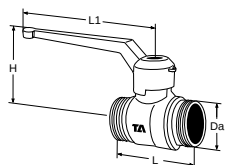


Article No	EAN	DN	D	Da	L	L1	H	W	Kvs	Kg
58 507-115	7318793326003	15	15	M26x1,5	87	126	62	30	13	0,39
58 507-118	7318793326102	20	18	M34x1,5	92	126	67	38	40	0,59
58 507-122	7318793326201	20	22	M34x1,5	92	126	67	38	40	0,62
58 507-128	7318793326300	25	28	M40x2,0	114	126	71	46	60	0,92
58 507-135	7318793326409	32	35	M50x2,0	110	180	92	50	100	1,5

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

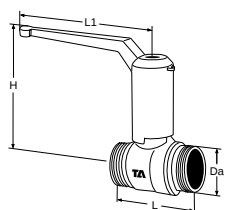
For soldering excluding coupling

With lever



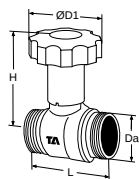
Article No	EAN	DN	Da	L	L1	H	Kvs	Kg
58 517-015	7318793328809	15	M26x1,5	55	126	62	13	0,27
58 517-020	7318793328908	20	M34x1,5	60	126	67	40	0,40
58 517-025	7318793329004	25	M40x2,0	70	126	71	60	0,59
58 517-032	7318793329103	32	M50x2,0	80	180	92	100	1,1
58 517-040	7318793329202	40	M55x2,0	90	180	99	150	1,6
58 517-050	7318793329301	50	M70x2,0	100	180	107	270	2,4

With spindle extension



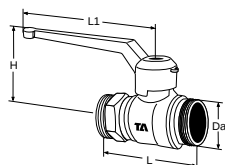
Article No	EAN	DN	Da	L	L1	H	Kvs	Kg
58 517-615	7318793329400	15	M26x1,5	55	126	107	13	0,33
58 517-620	7318793329509	20	M34x1,5	60	126	112	40	0,45
58 517-625	7318793329608	25	M40x2,0	70	126	116	60	0,65
58 517-632	7318793329707	32	M50x2,0	80	180	135	100	1,2
58 517-640	7318793329806	40	M55x2,0	90	180	142	150	1,7
58 517-650	7318793329905	50	M70x2,0	100	180	150	270	2,4

With assembled reduction unit



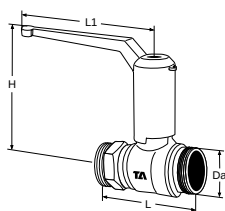
Article No	EAN	DN	Da	D1	L	H	Kvs	Kg
58 517-715	7318793330000	15	M26x1,5	70	55	94	13	0,34
58 517-720	7318793330109	20	M34x1,5	70	60	99	40	0,47
58 517-725	7318793330208	25	M40x2,0	70	70	103	60	0,66
58 517-732	7318793330307	32	M50x2,0	110	80	113	100	1,2
58 517-740	7318793330406	40	M55x2,0	110	90	120	150	1,7
58 517-750	7318793330505	50	M70x2,0	110	100	128	270	2,4

With lever

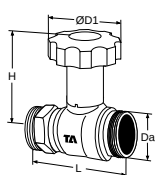


Article No	EAN	DN	Da	L	L1	H	Kvs	Kg
58 518-015	7318793330604	15	M26x1,5	60	126	62	13	0,28
58 518-020	7318793330703	20	M34x1,5	70	126	70	40	0,44
58 518-025	7318793330802	25	M40x2,0	85	126	71	60	0,71
58 518-032	7318793330901	32	M50x2,0	100	180	92	100	1,3
58 518-040	7318793331007	40	M55x2,0	115	180	99	150	1,8
58 518-050	7318793331106	50	M70x2,0	135	180	107	270	2,9

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

**With spindle extension**

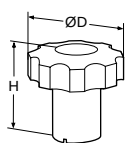
Article No	EAN	DN	Da	L	L1	H	Kvs	Kg
58 518-615	7318793331205	15	M26x1,5	60	126	107	13	0,34
58 518-620	7318793331304	20	M34x1,5	70	126	112	40	0,50
58 518-625	7318793331403	25	M40x2,0	85	126	116	60	0,76
58 518-632	7318793331502	32	M50x2,0	100	180	135	100	1,3
58 518-640	7318793331601	40	M55x2,0	115	180	142	150	1,9
58 518-650	7318793331700	50	M70x2,0	135	180	150	270	3,0

**With assembled reduction unit**

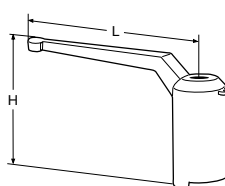
Article No	EAN	DN	Da	D1	L	H	Kvs	Kg
58 518-715	7318793331809	15	M26x1,5	70	60	94	13	0,34
58 518-720	7318793331908	20	M34x1,5	70	70	99	40	0,50
58 518-725	7318793332004	25	M40x2,0	70	85	103	60	0,76
58 518-732	7318793332103	32	M50x2,0	110	100	113	100	1,3
58 518-740	7318793332202	40	M55x2,0	110	115	120	150	1,9
58 518-750	7318793332301	50	M70x2,0	110	135	128	270	3,0

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

Accessories

**Reduction unit**

Article No	EAN	For DN	D	H
58 580-008	7318793333704	10-25	70	75
58 580-032	7318793333803	32-50	110	80

**Spindle extension**

Article No	EAN	For DN	L	H
58 590-010	7318793334602	10-25	126	90
58 590-032	7318793334701	32-50	180	103

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For the most up to date information about our products and specifications, please visit www.tahydronics.com.

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