



Technical description

Applications:

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

Function:

Shut-off

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	With soldering	
	Threaded	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).

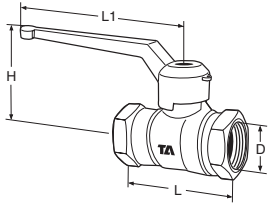
Insulation:

When using insulation one should use valves with a spindle extension or with a reduction unit.

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

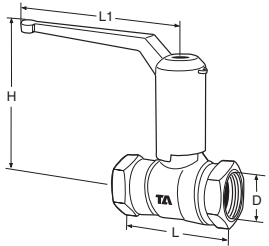
TA 500 Standard

With lever



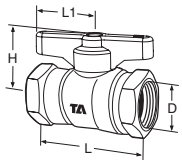
TA No	DN	D	L	L1	H	Kvs	Kg
58 503-110*	10	G3/8	60	126	59	6	0,26
58 503-115*	15	G1/2	65	126	62	13	0,31
58 503-120*	20	G3/4	78	126	67	40	0,44
58 500-125	25	G1	92	126	71	60	0,69
58 500-132	32	G1 1/4	105	180	92	100	1,2
58 500-140	40	G1 1/2	120	180	99	150	1,8
58 500-150	50	G2	145	180	107	270	2,7

With spindle extension



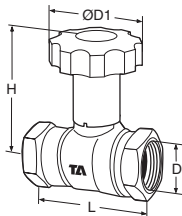
TA No	DN	D	L	L1	H	Kvs	Kg
58 503-610*	10	G3/8	60	126	104	6	0,32
58 503-615*	15	G1/2	65	126	107	13	0,38
58 503-620*	20	G3/4	78	126	112	40	0,51
58 500-625	25	G1	92	126	116	60	0,75
58 500-632	32	G1 1/4	105	180	135	100	1,3
58 500-640	40	G1 1/2	120	180	142	150	2,0
58 500-650	50	G2	145	180	150	270	2,9

With handle (red)



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

With assembled reduction unit



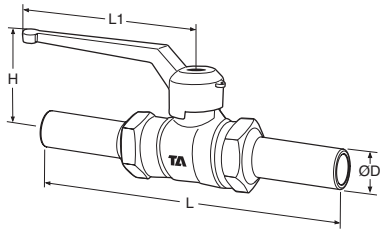
TA No	DN	D	D1	L	H	Kvs	Kg
58 503-710*	10	G3/8	70	60	91	6	0,37
58 503-715*	15	G1/2	70	65	94	13	0,42
58 503-720*	20	G3/4	70	78	99	40	0,52
58 500-725	25	G1	70	92	103	60	0,80
58 500-732	32	G1 1/4	110	105	113	100	1,3
58 500-740	40	G1 1/2	110	120	120	150	2,0
58 500-750	50	G2	110	145	128	270	2,9

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

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

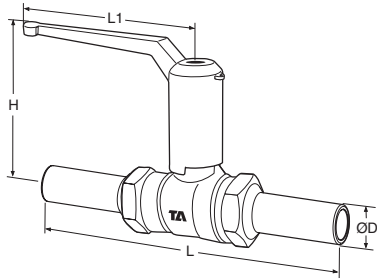
TA 500 with smooth ends

With lever



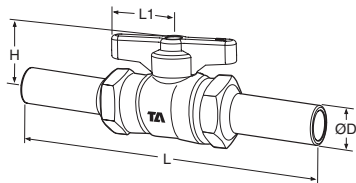
TA No	DN	D	L	L1	H	Kvs	Kg
58 543-110	10	12	118	126	59	3	0,32
58 543-115	15	15	129	126	62	10	0,41
58 543-120	20	22	160	126	67	19	0,60
58 540-125	25	28	190	126	71	30	0,94
58 540-132	32	35	214	180	92	53	1,6
58 540-140	40	42	250	180	99	91	2,3
58 540-150	50	54	295	180	107	176	3,5

With spindle extension



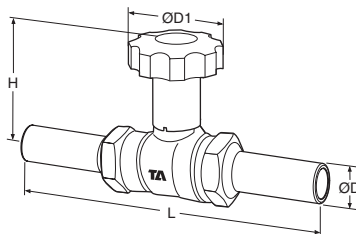
TA No	DN	D	L	L1	H	Kvs	Kg
58 543-610	10	12	118	126	104	3	0,38
58 543-615	15	15	129	126	107	10	0,48
58 543-620	20	22	160	126	112	19	0,67
58 540-625	25	28	190	126	116	30	1,0
58 540-632	32	35	214	180	135	53	1,7
58 540-640	40	42	250	180	142	91	2,5
58 540-650	50	54	295	180	150	176	3,7

With handle (red)



TA No	DN	D	L	L1	H	Kvs	Kg
58 543-915	15	15	129	45	45	10	0,39
58 543-920	20	22	160	45	48	19	0,59
58 540-925	25	28	190	45	52	30	0,93

With assembled reduction unit

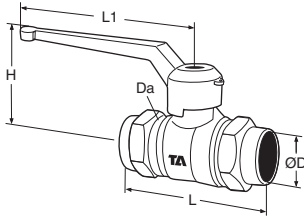


TA No	DN	D	D1	L	H	Kvs	Kg
58 543-710	10	12	70	118	91	3	0,43
58 543-715	15	15	70	129	94	10	0,52
58 543-720	20	22	70	160	99	19	0,68
58 540-725	25	28	70	190	103	30	1,1
58 540-732	32	35	110	214	113	53	1,7
58 540-740	40	42	110	250	120	91	2,5
58 540-750	50	54	110	295	128	176	3,6

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

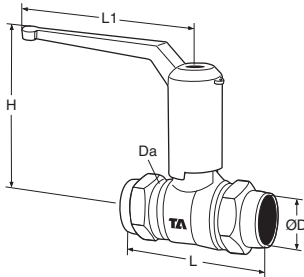
TA 500 with soldering coupling

With lever



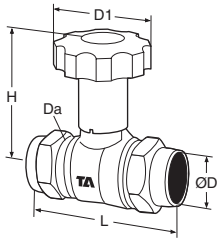
TA No	DN	D	Da	L	L1	H	Kvs	Kg
58 507-012	15	12	M26x1,5	90	126	62	13	0,41
58 507-015	15	15	M26x1,5	90	126	62	13	0,42
58 507-018	20	18	M34x1,5	100	126	67	40	0,61
58 507-022	20	22	M34x1,5	100	126	67	40	0,64
58 507-028	25	28	M40x2,0	115	126	71	60	0,94
58 507-035	32	35	M50x2,0	129	180	92	100	1,6
58 507-042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

With spindle extention



TA No	DN	D	Da	L	L1	H	Kvs	Kg
58 507-612	15	12	M26x1,5	90	126	107	13	0,48
58 507-615	15	15	M26x1,5	90	126	107	13	0,49
58 507-618	20	18	M34x1,5	100	126	112	40	0,67
58 507-622	20	22	M34x1,5	100	126	112	40	0,70
58 507-628	25	28	M40x2,0	115	126	116	60	1,0
58 507-635	32	35	M50x2,0	129	180	135	100	1,7
58 507-642	40	42	M55x2,0	143	180	142	150	2,3
58 507-654	50	54	M70x2,0	162	180	150	270	3,5

With assembled reduction unit

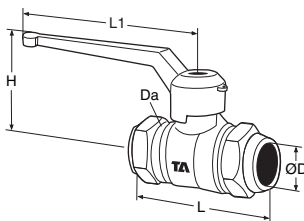


TA No	DN	D	D1	Da	L	H	Kvs	Kg
58 507-715	15	15	70	M26x1,5	90	94	13	0,51
58 507-718	20	18	70	M34x1,5	100	99	40	0,71
58 507-722	20	22	70	M34x1,5	100	99	40	0,74
58 507-728	25	28	70	M40x2,0	115	103	60	1,1
58 507-735	32	35	110	M50x2,0	129	113	100	1,5
58 507-742	40	42	110	M55x2,0	143	120	150	1,7
58 507-754	50	54	110	M70x2,0	162	128	270	3,5

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

TA 500 with FPL

With lever

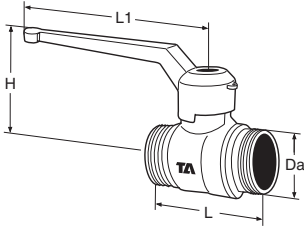


TA No	DN	D	Da	L	L1	H	Kvs	Kg
58 507-115	15	15	M26x1,5	87	126	62	13	0,39
58 507-118	20	18	M34x1,5	92	126	67	40	0,59
58 507-122	20	22	M34x1,5	92	126	67	40	0,62
58 507-128	25	28	M40x2,0	114	126	71	60	0,92
58 507-135	32	35	M50x2,0	110	180	92	100	1,5

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

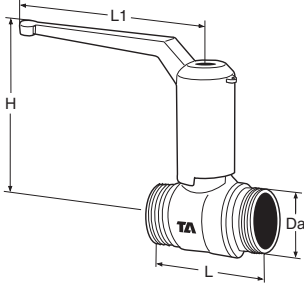
TA 500 for soldering excluding coupling

With lever



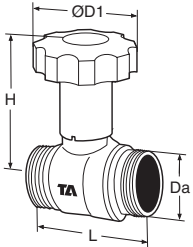
TA No	DN	Da	L	L1	H	Kvs	Kg
58 517-015	15	M26x1,5	55	126	62	13	0,27
58 517-020	20	M34x1,5	60	126	67	40	0,40
58 517-025	25	M40x2,0	70	126	71	60	0,59
58 517-032	32	M50x2,0	80	180	92	100	1,1
58 517-040	40	M55x2,0	90	180	99	150	1,6
58 517-050	50	M70x2,0	100	180	107	270	2,4

With spindle extension



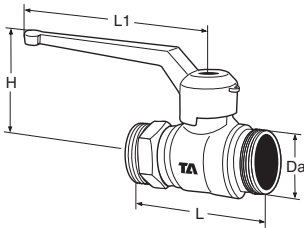
TA No	DN	Da	L	L1	H	Kvs	Kg
58 517-615	15	M26x1,5	55	126	107	13	0,33
58 517-620	20	M34x1,5	60	126	112	40	0,45
58 517-625	25	M40x2,0	70	126	116	60	0,65
58 517-632	32	M50x2,0	80	180	135	100	1,2
58 517-640	40	M55x2,0	90	180	142	150	1,7
58 517-650	50	M70x2,0	100	180	150	270	2,4

With assembled reduction unit



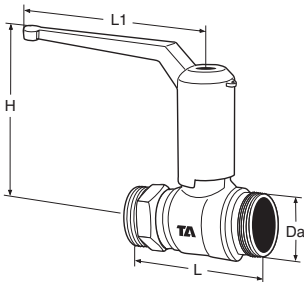
TA No	DN	Da	D1	L	H	Kvs	Kg
58 517-715	15	M26x1,5	70	55	94	13	0,34
58 517-720	20	M34x1,5	70	60	99	40	0,47
58 517-725	25	M40x2,0	70	70	103	60	0,66
58 517-732	32	M50x2,0	110	80	113	100	1,2
58 517-740	40	M55x2,0	110	90	120	150	1,7
58 517-750	50	M70x2,0	110	100	128	270	2,4

With lever



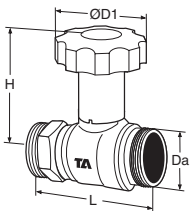
TA No	DN	Da	L	L1	H	Kvs	Kg
58 518-015	15	M26x1,5	60	126	62	13	0,28
58 518-020	20	M34x1,5	70	126	70	40	0,44
58 518-025	25	M40x2,0	85	126	71	60	0,71
58 518-032	32	M50x2,0	100	180	92	100	1,3
58 518-040	40	M55x2,0	115	180	99	150	1,8
58 518-050	50	M70x2,0	135	180	107	270	2,9

With spindle extension



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

With assembled reduction unit

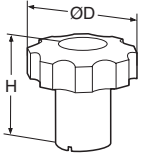


TA No	DN	Da	D1	L	H	Kvs	Kg
58 518-715	15	M26x1,5	70	60	94	13	0,34
58 518-720	20	M34x1,5	70	70	99	40	0,50
58 518-725	25	M40x2,0	70	85	103	60	0,76
58 518-732	32	M50x2,0	110	100	113	100	1,3
58 518-740	40	M55x2,0	110	115	120	150	1,9
58 518-750	50	M70x2,0	110	135	128	270	3,0

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

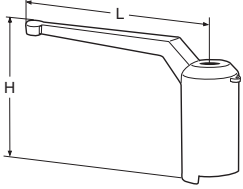
Accessories

Reduction unit



TA No	For DN	D	H
58 580-008	10-25	70	75
58 580-032	32-50	110	80

Spindle extension



TA No	For DN	L	H
58 590-010	10-25	126	90
58 590-032	32-50	180	103