

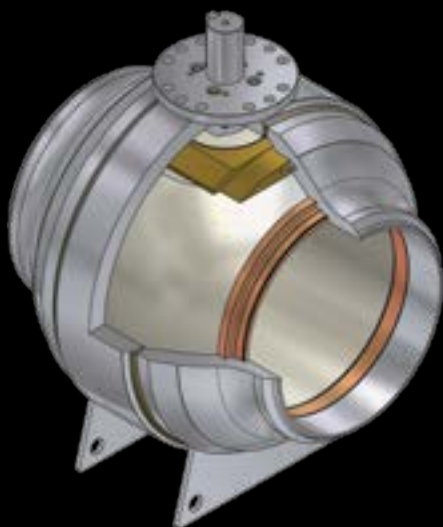
Perar Product Range

Trunnion Mounted Welded Body Ball Valves

The design of PERAR Welded Body Ball Valves minimizes the potential leak paths making these valves suitable for buried installations and in general for gas transportation.

General characteristics

- Design per API 6D or API 6A
- Full Bore and Reduced Bore design
- Flanged or Welding Ends
- Bi-directional sealing
- Fire-safe design



Model: WB
Size: 1/2" to 68"
Pressure Classes: ASME 150# to 2500#
Temperature Range: -196°C to 400°C

Trunnion Mounted Top-Entry Ball Valves

PERAR Trunnion Mounted Top-Entry Ball Valves add a full in-line maintenance capability to the advantages of a trunnion mounted construction.

General characteristics

- Design per API 6D or API 6A
- Full Bore and Reduced Bore design
- Flanged, Welding or Hub Ends
- Bi-directional sealing
- Fire-safe design



Model: TE
Size: 1/2" to 68"
Pressure Classes: ASME 150# to 2500#
API 6A 3000 to 15000
Temperature Range: -196°C to 400°C





Perar Design Features - Side Entry Ball Valves

2 or 3 pieces side entry design with support plate configuration for smooth and low torque operations

Body welded construction for minimizing potential leak pathss.



Forged body and end adaptors

Body shaped configuration for size and weight optimization



Perar

Trunnion Mounted Side Entry Welded Body Ball Valves



THAT'S ***Perar***
QUALITY

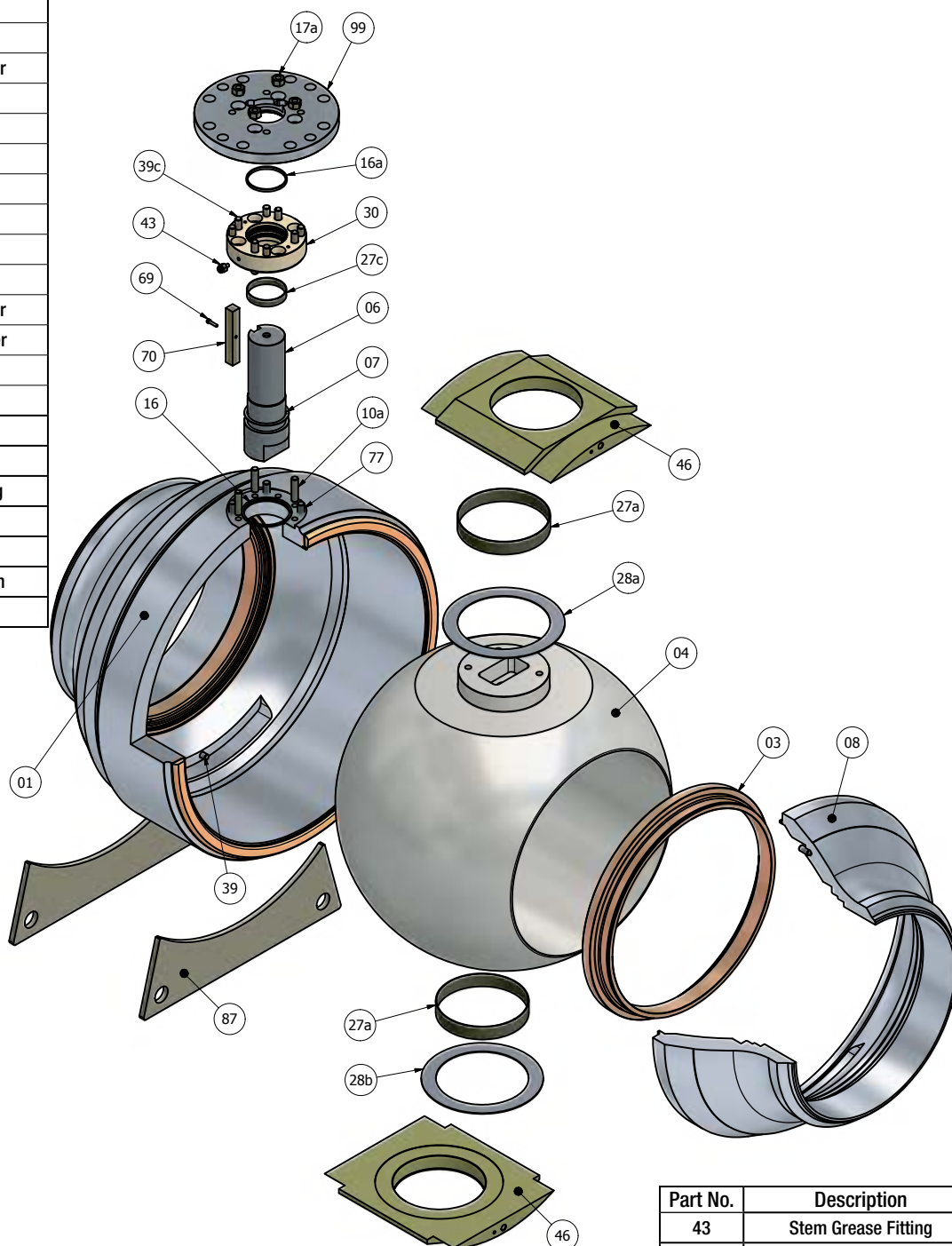
The Best Guarantee of Safety

Perar



Component Parts

Part No.	Description
01	Body
03	Seat Ring
04	Ball
05	Seat Spring
06	Stem
07	Upper Thrust Washer
08	Closure
10a	Gland Plate Stud
16	Stem O-Ring
16a	Stem Gasket
17a	Gland Plate Nut
27a	Ball Bearing
27b	Stem Bearing
28a	Upper Thrust Washer
28b	Lower Thrust Washer
30	Gland Plate
31	Gland Plate Gasket
32	Gland Plate O-Ring
33	Seat O-Ring
33a	Sealant Seal O-Ring
34	Drain Plug
35	Vent Valve
39	Bearing Retainer Pin
39c	Adapter Plate Stud



Part No.	Description
43	Stem Grease Fitting
44	Seat Grease Fitting
46	Bearing Retainer
69	Stem Key Screw
70	Stem Key
77	Adapter Plate Pin
77a	Gland Plate Pin
87	Feet
99	Adapter Plate



Valve Material Selection

BODY, CLOSURE

CS (ASTM A105, ASTM A216), LTCS (ASTM A350 LF2, ASTM A352)
High strength LTCS (A694 F52, F60, F65)
Austenitic SS (ASTM A182 F304, F316, ASTM A351 CF3, CF3M, CF8, CF8M)
Duplex SS 22% Cr (ASTM A182 F51, ASTM A890, A995)
Superduplex SS 25% Cr (ASTM A182 F53/F55, ASTM A890, A995)
6Mo SS (ASTM A182 F44, ASTM)
Inconel 625
Incoloy 825
Monel

TRIM (SEAT, BALL AND STEM)

CS (ASTM A105), LTCS (ASTM A350 LF2) + ENP 0.003"
High strength LTCS (A694 F52, F60, F65) + ENP 0.003"
AISI 410 Martensitic SS (ASTM A182 F6a)
17-4 PH
Austenitic SS (ASTM A182 F304, F316)
Duplex SS 22% Cr (ASTM A182-F51)
Superduplex SS 25% Cr (ASTM A182 F53/F55)
6Mo SS (ASTM A182 F44)
Inconel 625
Inconel 718
Incoloy 825
Monel

BODY SEALS / SEAT SEALS

Viton A FKM O-ring
Viton GLT FKM O-ring
Viton AED FKM O-ring
HNBR O-ring
FFKM O-ring
PTFE + ELGILOY Lip-Seals
Graphite Packing / Gaskets

SEAT INSERT

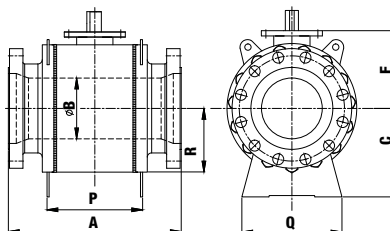
Viton A/GLT/AED FKM
HNBR
PTFE / RPTFE
Nylon / DEVLON V
PCTFE / KEL-F
PEEK
METAL with either Tungsten Carbide or Chromium Carbide Coating (0.15 mm min. thk.)

BOLTING

ASTM A193 B7/B7M, ASTM A320 L7/L7M
A193/A320 B8/B8M
UNS S31803, UNS S32760, ASTM A453-GR.660



ASME Class 150# Side Entry Welded Body



FULL BORE

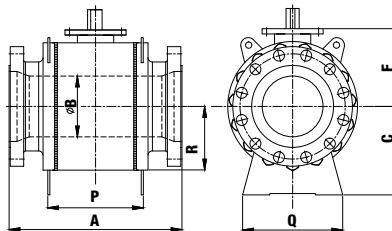
FULL BORE

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	2	7,01	*	1,93	3,66	5,55	n.a.	n.a.	n.a.	*
mm-Kg	50	178	*	49	93	141	n.a.	n.a.	n.a.	*
inch-lb	3	7,99	*	2,91	4,25	6,22	n.a.	n.a.	n.a.	*
mm-Kg	80	203	*	74	108	158	n.a.	n.a.	n.a.	*
inch-lb	4	9,02	*	3,94	4,92	7,20	n.a.	n.a.	n.a.	*
mm-Kg	100	229	*	100	125	183	n.a.	n.a.	n.a.	*
inch-lb	6	15,51	*	5,91	6,50	9,25	10,55	9,84	10,28	*
mm-Kg	150	394	*	150	165	235	268	250	261	*
inch-lb	8	17,99	*	7,91	7,64	10,63	13,66	12,28	11,57	*
mm-Kg	200	457	*	201	194	270	347	312	294	*
inch-lb	10	20,98	*	9,92	9,21	12,05	14,96	13,66	13,82	*
mm-Kg	250	533	*	252	234	306	380	347	351	*
inch-lb	12	24,02	*	11,93	10,75	13,74	15,75	14,45	15,28	*
mm-Kg	300	610	*	303	273	349	400	367	388	*
inch-lb	14	27,01	*	13,15	12,01	15,00	11,38	20,47	15,94	*
mm-Kg	350	686	*	334	305	381	289	520	405	*
inch-lb	16	30,00	*	15,16	13,19	16,18	19,29	21,54	17,87	*
mm-Kg	400	762	*	385	335	411	490	547	454	*
inch-lb	18	*	*	*	*	*	*	*	*	*
mm-Kg	450	*	*	*	*	*	*	*	*	*
inch-lb	20	35,98	*	19,17	16,46	19,57	24,41	24,53	21,77	*
mm-Kg	500	914	*	487	418	497	620	623	553	*
inch-lb	22	*	*	*	*	*	*	*	*	*
mm-Kg	550	*	*	*	*	*	*	*	*	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	24	42,01	*	23,19	19,49	22,72	30,43	27,56	24,41	*
mm-Kg	600	1067	*	589	495	577	773	700	620	*
inch-lb	26	*	*	*	*	*	*	*	*	*
mm-Kg	650	*	*	*	*	*	*	*	*	*
inch-lb	28	*	*	*	*	*	*	*	*	*
mm-Kg	700	*	*	*	*	*	*	*	*	*
inch-lb	30	50,98	*	28,94	23,74	27,32	35,63	35,43	31,50	*
mm-Kg	750	1295	*	735	603	694	905	900	800	*
inch-lb	32	*	*	*	*	*	*	*	*	*
mm-Kg	800	*	*	*	*	*	*	*	*	*
inch-lb	34	*	*	*	*	*	*	*	*	*
mm-Kg	850	*	*	*	*	*	*	*	*	*
inch-lb	36	*	*	*	*	*	*	*	*	*
mm-Kg	900	*	*	*	*	*	*	*	*	*
inch-lb	38	*	*	*	*	*	*	*	*	*
mm-Kg	950	*	*	*	*	*	*	*	*	*
inch-lb	40	*	*	*	*	*	*	*	*	*
mm-Kg	1000	*	*	*	*	*	*	*	*	*
inch-lb	42	*	*	*	*	*	*	*	*	*
mm-Kg	1050	*	*	*	*	*	*	*	*	*
inch-lb	48	*	*	*	*	*	*	*	*	*
mm-Kg	1200	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*



ASME Class 150# Side Entry Welded Body



REDUCED BORE

REDUCED BORE

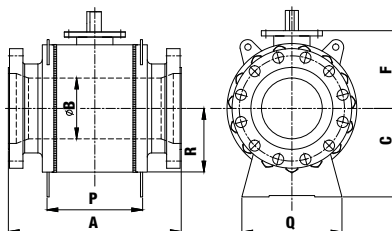
	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	3x2	7,99	*	1,93	3,66	5,55	n.a.	n.a.	n.a.	*
mm-Kg	80x50	203	*	49	93	141	n.a.	n.a.	n.a.	*
inch-lb	4x3	9,02	*	2,91	4,25	6,22	n.a.	n.a.	n.a.	*
mm-Kg	100x80	229	*	74	108	158	n.a.	n.a.	n.a.	*
inch-lb	6x4	15,51	*	3,94	4,92	7,20	n.a.	n.a.	n.a.	*
mm-Kg	150x100	394	*	100	125	183	n.a.	n.a.	n.a.	*
inch-lb	8x6	17,99	*	5,91	6,50	9,25	10,55	9,84	10,28	*
mm-Kg	200x150	457	*	150	165	235	268	250	261	*
inch-lb	10x6	20,98	*	5,91	6,50	9,25	10,55	9,84	10,28	*
mm-Kg	250x150	533	*	150	165	235	268	250	261	*
inch-lb	10x8	20,98	*	7,91	7,64	10,63	13,66	12,28	11,57	*
mm-Kg	250x200	533	*	201	194	270	347	312	294	*
inch-lb	12x8	24,02	*	7,91	7,64	10,63	13,66	12,28	11,57	*
mm-Kg	300x200	610	*	201	194	270	347	312	294	*
inch-lb	12x10	24,02	*	9,92	9,21	12,05	14,96	13,66	13,82	*
mm-Kg	300x250	610	*	252	234	306	380	347	351	*
inch-lb	14x10	24,02	*	9,92	9,21	12,05	14,96	13,66	13,82	*
mm-Kg	350x250	610	*	252	234	306	380	347	351	*
inch-lb	14x12	27,01	*	11,93	10,75	13,74	15,75	14,45	15,28	*
mm-Kg	350x300	686	*	303	273	349	400	367	388	*
inch-lb	16x12	30,00	*	11,93	10,75	13,74	15,75	14,45	15,28	*
mm-Kg	400x300	762	*	303	273	349	400	367	388	*
inch-lb	16x14	30,00	*	13,15	12,01	15,00	11,38	20,47	15,94	*
mm-Kg	400x350	762	*	334	305	381	289	520	405	*
inch-lb	18x14	34,02	*	13,15	12,01	15,00	11,38	20,47	15,94	*
mm-Kg	450x350	864	*	334	305	381	289	520	405	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	18x16	34,02	*	15,16	13,19	16,18	19,29	21,54	17,87	*
mm-Kg	450x400	864	*	385	335	411	490	547	454	*
inch-lb	20x16	35,98	*	15,16	13,19	16,18	19,29	21,54	17,87	*
mm-Kg	500x400	914	*	385	335	411	490	547	454	*
inch-lb	20x18	*	*	*	*	*	*	*	*	*
mm-Kg	500x450	*	*	*	*	*	*	*	*	*
inch-lb	24x20	42,01	*	19,17	16,46	19,57	24,41	24,53	21,77	*
mm-Kg	600x500	1067	*	487	418	497	620	623	553	*
inch-lb	28x24	49,02	*	23,19	19,49	22,72	30,43	27,56	24,41	*
mm-Kg	700x600	1245	*	589	495	577	773	700	620	*
inch-lb	30x24	50,98	*	23,19	19,49	22,72	30,43	27,56	24,41	*
mm-Kg	750x600	1295	*	589	495	577	773	700	620	*
inch-lb	28x26	*	*	*	*	*	*	*	*	*
mm-Kg	700x650	*	*	*	*	*	*	*	*	*
inch-lb	30x26	*	*	*	*	*	*	*	*	*
mm-Kg	750x650	*	*	*	*	*	*	*	*	*
inch-lb	30x28	*	*	*	*	*	*	*	*	*
mm-Kg	750x700	*	*	*	*	*	*	*	*	*
inch-lb	36x30	60,00	*	28,94	23,74	27,32	35,63	35,43	31,50	*
mm-Kg	900x750	1524	*	735	603	694	905	900	800	*
inch-lb	36x32	*	*	*	*	*	*	*	*	*
mm-Kg	900x800	*	*	*	*	*	*	*	*	*
inch-lb	36x34	*	*	*	*	*	*	*	*	*
mm-Kg	900x850	*	*	*	*	*	*	*	*	*

"All the above dimensions and weights could be subjected to changes by Perar SpA without any notification, due to engineering activities. Therefore, please consult the factory for confirmation on the above data as well as for other dimensions and weights not reported in the table".



ASME Class 300# Side Entry Welded Body



FULL BORE

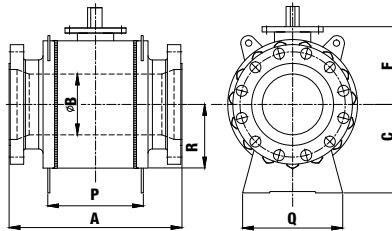
FULL BORE

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	2	8,50	*	1,93	3,66	5,59	n.a.	n.a.	n.a.	*
mm-Kg	50	216	*	49	93	142	n.a.	n.a.	n.a.	*
inch-lb	3	11,14	*	2,91	4,33	6,61	n.a.	n.a.	n.a.	*
mm-Kg	80	283	*	74	110	168	n.a.	n.a.	n.a.	*
inch-lb	4	12,01	*	3,94	4,92	7,01	n.a.	n.a.	n.a.	*
mm-Kg	100	305	*	100	125	178	n.a.	n.a.	n.a.	*
inch-lb	6	15,87	*	5,91	6,50	9,25	10,24	10,08	9,29	*
mm-Kg	150	403	*	150	165	235	260	256	236	*
inch-lb	8	19,76	*	7,91	7,64	10,63	13,58	12,60	11,57	*
mm-Kg	200	502	*	201	194	270	345	320	294	*
inch-lb	10	22,36	*	9,92	8,78	11,22	14,02	13,62	12,48	*
mm-Kg	250	568	*	252	223	285	356	346	317	*
inch-lb	12	25,51	*	11,93	10,91	13,86	16,14	17,72	15,00	*
mm-Kg	300	648	*	303	277	352	410	450	381	*
inch-lb	14	30,00	*	13,15	12,01	14,88	17,95	19,69	16,14	*
mm-Kg	350	762	*	334	305	378	456	500	410	*
inch-lb	16	32,99	*	15,16	13,70	16,69	20,98	22,05	19,29	*
mm-Kg	400	838	*	385	348	424	533	560	490	*
inch-lb	18	35,98	*	17,17	14,96	18,03	23,70	24,65	20,16	*
mm-Kg	450	914	*	436	380	458	602	626	512	*
inch-lb	20	39,02	*	19,17	16,73	19,88	26,06	24,53	24,41	*
mm-Kg	500	991	*	487	425	505	662	623	620	*
inch-lb	22	*	*	*	*	*	*	*	*	*
mm-Kg	550	*	*	*	*	*	*	*	*	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	24	45,00	*	23,19	19,80	23,43	31,02	27,13	25,12	*
mm-Kg	600	1143	*	589	503	595	788	689	638	*
inch-lb	26	*	*	*	*	*	*	*	*	*
mm-Kg	650	*	*	*	*	*	*	*	*	*
inch-lb	28	52,99	*	26,93	22,64	26,30	34,49	31,50	27,95	*
mm-Kg	700	1346	*	684	575	668	876	800	710	*
inch-lb	30	*	*	*	*	*	*	*	*	*
mm-Kg	750	*	*	*	*	*	*	*	*	*
inch-lb	32	*	*	*	*	*	*	*	*	*
mm-Kg	800	*	*	*	*	*	*	*	*	*
inch-lb	34	*	*	*	*	*	*	*	*	*
mm-Kg	850	*	*	*	*	*	*	*	*	*
inch-lb	36	*	*	*	*	*	*	*	*	*
mm-Kg	900	*	*	*	*	*	*	*	*	*
inch-lb	38	*	*	*	*	*	*	*	*	*
mm-Kg	950	*	*	*	*	*	*	*	*	*
inch-lb	40	*	*	*	*	*	*	*	*	*
mm-Kg	1000	*	*	*	*	*	*	*	*	*
inch-lb	42	*	*	*	*	*	*	*	*	*
mm-Kg	1050	*	*	*	*	*	*	*	*	*
inch-lb	48	*	*	*	*	*	*	*	*	*
mm-Kg	1200	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*



ASME Class 300# Side Entry Welded Body



REDUCED BORE

REDUCED BORE

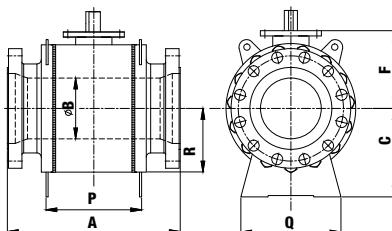
	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	3x2	11,14	*	1,93	3,66	5,59	n.a.	n.a.	n.a.	*
mm-Kg	80x50	283	*	49	93	142	n.a.	n.a.	n.a.	*
inch-lb	4x3	12,01	*	2,91	4,33	6,61	n.a.	n.a.	n.a.	*
mm-Kg	100x80	305	*	74	110	168	n.a.	n.a.	n.a.	*
inch-lb	6x4	15,87	*	3,94	4,92	7,01	n.a.	n.a.	n.a.	*
mm-Kg	150x100	403	*	100	125	178	n.a.	n.a.	n.a.	*
inch-lb	8x6	19,76	*	5,91	6,50	9,25	10,24	10,08	9,29	*
mm-Kg	200x150	502	*	150	165	235	260	256	236	*
inch-lb	10x6	22,36	*	5,91	6,50	9,25	10,24	10,08	9,29	*
mm-Kg	250x150	568	*	150	165	235	260	256	236	*
inch-lb	10x8	22,36	*	7,91	7,64	10,63	13,58	12,60	11,57	*
mm-Kg	250x200	568	*	201	194	270	345	320	294	*
inch-lb	12x8	25,51	*	7,91	7,64	10,63	13,58	12,60	11,57	*
mm-Kg	300x200	648	*	201	194	270	345	320	294	*
inch-lb	12x10	25,51	*	9,92	8,78	11,22	14,02	13,62	12,48	*
mm-Kg	300x250	648	*	252	223	285	356	346	317	*
inch-lb	14x10	30,00	*	9,92	8,78	11,22	14,02	13,62	12,48	*
mm-Kg	350x250	762	*	252	223	285	356	346	317	*
inch-lb	14x12	30,00	*	11,93	10,91	13,86	16,14	17,72	15,00	*
mm-Kg	350x300	762	*	303	277	352	410	450	381	*
inch-lb	16x12	32,99	*	11,93	10,91	13,86	16,14	17,72	15,00	*
mm-Kg	400x300	838	*	303	277	352	410	450	381	*
inch-lb	16x14	32,99	*	13,15	12,01	14,88	17,95	19,69	16,14	*
mm-Kg	400x350	838	*	334	305	378	456	500	410	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	18x14	35,98	*	13,15	12,01	14,88	17,95	19,69	16,14	*
mm-Kg	450x350	914	*	334	305	378	456	500	410	*
inch-lb	18x16	35,98	*	15,16	13,70	16,69	20,98	22,05	19,29	*
mm-Kg	450x400	914	*	385	348	424	533	560	490	*
inch-lb	20x16	39,02	*	15,16	13,70	16,69	20,98	22,05	19,29	*
mm-Kg	500x400	991	*	385	348	424	533	560	490	*
inch-lb	20x18	39,02	*	17,17	14,96	18,03	23,70	24,65	20,16	*
mm-Kg	500x450	991	*	436	380	458	602	626	512	*
inch-lb	24x20	45,00	*	19,17	16,73	19,88	26,06	24,53	24,41	*
mm-Kg	600x500	1143	*	487	425	505	662	623	620	*
inch-lb	28x24	52,99	*	23,19	19,80	23,43	31,02	27,13	25,12	*
mm-Kg	700x600	1346	*	589	503	595	788	689	638	*
inch-lb	30x24	55,00	*	23,19	19,80	23,43	31,02	27,13	25,12	*
mm-Kg	750x600	1397	*	589	503	595	788	689	638	*
inch-lb	28x26	52,99	*	*	*	*	*	*	*	*
mm-Kg	700x650	1346	*	*	*	*	*	*	*	*
inch-lb	30x28	55,00	*	26,93	22,64	26,30	34,49	31,50	27,95	*
mm-Kg	750x700	1397	*	684	575	668	876	800	710	*
inch-lb	36x30	*	*	*	*	*	*	*	*	*
mm-Kg	900x750	*	*	*	*	*	*	*	*	*
inch-lb	36x32	*	*	*	*	*	*	*	*	*
mm-Kg	900x800	*	*	*	*	*	*	*	*	*
inch-lb	36x34	*	*	*	*	*	*	*	*	*
mm-Kg	900x850	*	*	*	*	*	*	*	*	*

"All the above dimensions and weights could be subjected to changes by Perar SpA without any notification, due to engineering activities. Therefore, please consult the factory for confirmation on the above data as well as for other dimensions and weights not reported in the table".



ASME Class 600# Side Entry Welded Body



FULL BORE

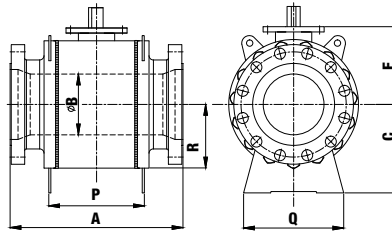
FULL BORE

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	2	11,50	*	1,93	3,66	5,28	n.a.	n.a.	n.a.	*
mm-Kg	50	292	*	49	93	134	n.a.	n.a.	n.a.	*
inch-lb	3	14,02	*	2,91	4,33	6,61	n.a.	n.a.	n.a.	*
mm-Kg	80	356	*	74	110	168	n.a.	n.a.	n.a.	*
inch-lb	4	17,01	*	3,94	5,47	7,52	n.a.	n.a.	n.a.	*
mm-Kg	100	432	*	100	139	191	n.a.	n.a.	n.a.	*
inch-lb	6	22,01	*	5,91	6,50	9,25	10,98	9,96	10,43	*
mm-Kg	150	559	*	150	165	235	279	253	265	*
inch-lb	8	25,98	*	7,91	7,87	10,71	13,66	12,40	11,81	*
mm-Kg	200	660	*	201	200	272	347	315	300	*
inch-lb	10	30,98	26,54	9,92	9,33	12,24	16,14	13,86	13,39	1235
mm-Kg	250	787	674	252	237	311	410	352	340	560
inch-lb	12	32,99	29,02	11,93	10,91	13,86	18,82	17,80	14,65	1482
mm-Kg	300	838	737	303	277	352	478	452	372	672
inch-lb	14	35,00	30,98	13,15	12,40	15,24	18,11	20,47	16,54	2138
mm-Kg	350	889	787	334	315	387	460	520	420	970
inch-lb	16	39,02	32,99	15,16	13,82	16,81	20,98	21,77	19,29	2822
mm-Kg	400	991	838	385	351	427	533	553	490	1280
inch-lb	18	42,99	35,98	17,17	15,55	18,43	24,92	23,62	20,87	3483
mm-Kg	450	1092	914	436	395	468	633	600	530	1580
inch-lb	20	47,01	*	19,17	16,93	20,00	21,61	27,17	22,24	*
mm-Kg	500	1194	*	487	430	508	549	690	565	*
inch-lb	22	50,98	*	21,18	18,70	22,01	27,56	27,01	24,02	*
mm-Kg	550	1295	*	538	475	559	700	686	610	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	24	55,00	42,13	23,19	20,00	23,46	24,41	27,13	25,31	7275
mm-Kg	600	1397	1070	589	508	596	620	689	643	3300
inch-lb	26	57,01	*	24,92	21,57	25,00	25,59	31,50	26,89	*
mm-Kg	650	1448	*	633	548	635	650	800	683	*
inch-lb	28	60,98	*	26,93	22,76	26,26	27,13	33,07	27,95	*
mm-Kg	700	1549	*	684	578	667	689	840	710	*
inch-lb	30	65,00	49,02	28,94	24,80	29,53	25,39	36,14	30,12	12346
mm-Kg	750	1651	1245	735	630	750	645	918	765	5600
inch-lb	32	70,00	*	30,67	26,57	31,38	32,52	40,16	31,10	*
mm-Kg	800	1778	*	779	675	797	826	1020	790	*
inch-lb	34	75,98	*	32,68	27,17	31,89	40,59	40,35	32,87	*
mm-Kg	850	1930	*	830	690	810	1031	1025	835	*
inch-lb	36	82,01	56,50	34,41	29,06	33,70	35,51	51,18	34,45	18298
mm-Kg	900	2083	1435	874	738	856	902	1300	875	8300
inch-lb	38	*	*	*	*	*	*	*	*	*
mm-Kg	950	*	*	*	*	*	*	*	*	*
inch-lb	40	*	58,62	38,43	32,52	37,24	26,77	48,82	38,11	25353
mm-Kg	1000	*	1489	976	826	946	680	1240	968	11500
inch-lb	42	*	67,24	40,16	33,94	39,21	39,06	55,12	39,25	30865
mm-Kg	1050	*	1708	1020	862	996	992	1400	997	14000
inch-lb	48	*	76,57	45,91	38,39	43,78	39,37	59,06	43,70	41976
mm-Kg	1200	*	1945	1166	975	1112	1000	1500	1110	19040
*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*



ASME Class 600# Side Entry Welded Body



REDUCED BORE

REDUCED BORE

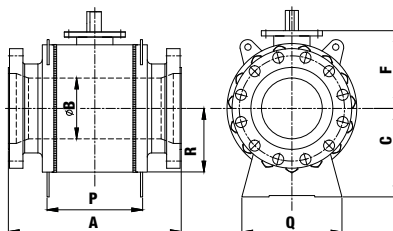
	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	3x2	14,02	*	1,93	3,66	5,28	n.a.	n.a.	n.a.	*
mm-Kg	80x50	356	*	49	93	134	n.a.	n.a.	n.a.	*
inch-lb	4x3	17,01	*	2,91	4,33	6,61	n.a.	n.a.	n.a.	*
mm-Kg	100x80	432	*	74	110	168	n.a.	n.a.	n.a.	*
inch-lb	6x4	22,01	*	3,94	5,47	7,52	n.a.	n.a.	n.a.	*
mm-Kg	150x100	559	*	100	139	191	n.a.	n.a.	n.a.	*
inch-lb	8x6	25,98	*	5,91	6,50	9,25	10,98	9,96	10,43	*
mm-Kg	200x150	660	*	150	165	235	279	253	265	*
inch-lb	10x6	30,98	*	5,91	6,50	9,25	10,98	9,96	10,43	*
mm-Kg	250x150	787	*	150	165	235	279	253	265	*
inch-lb	10x8	30,98	*	7,91	7,87	10,71	13,66	12,40	11,81	*
mm-Kg	250x200	787	*	201	200	272	347	315	300	*
inch-lb	12x8	32,99	*	7,91	7,87	10,71	13,66	12,40	11,81	*
mm-Kg	300x200	838	*	201	200	272	347	315	300	*
inch-lb	12x10	32,99	*	9,92	9,33	12,24	16,14	13,86	13,39	*
mm-Kg	300x250	838	*	252	237	311	410	352	340	*
inch-lb	14x10	35,00	*	9,92	9,33	12,24	16,14	13,86	13,39	*
mm-Kg	350x250	889	*	252	237	311	410	352	340	*
inch-lb	14x12	35,00	*	11,93	10,91	13,86	18,82	17,80	14,65	*
mm-Kg	350x300	889	*	303	277	352	478	452	372	*
inch-lb	16x12	39,02	*	11,93	10,91	13,86	18,82	17,80	14,65	*
mm-Kg	400x300	991	*	303	277	352	478	452	372	*
inch-lb	16x14	39,02	*	13,15	12,40	15,24	18,11	20,47	16,54	*
mm-Kg	400x350	991	*	334	315	387	460	520	420	*
inch-lb	18x14	42,99	*	13,15	12,40	15,24	18,11	20,47	16,54	*
mm-Kg	450x350	1092	*	334	315	387	460	520	420	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	18x16	42,99	*	15,16	13,82	16,81	20,98	21,77	19,29	*
mm-Kg	450x400	1092	*	385	351	427	533	553	490	*
inch-lb	20x16	47,01	*	15,16	13,82	16,81	20,98	21,77	19,29	*
mm-Kg	500x400	1194	*	385	351	427	533	553	490	*
inch-lb	20x18	47,01	*	17,17	15,55	18,43	24,92	23,62	20,87	*
mm-Kg	500x450	1194	*	436	395	468	633	600	530	*
inch-lb	24x20	55,00	*	19,17	16,93	20,00	21,61	27,17	22,24	*
mm-Kg	600x500	1397	*	487	430	508	549	690	565	*
inch-lb	28x24	60,98	*	23,19	20,00	23,46	24,41	27,13	25,31	*
mm-Kg	700x600	1549	*	589	508	596	620	689	643	*
inch-lb	30x24	65,00	*	23,19	20,00	23,46	24,41	27,13	25,31	*
mm-Kg	750x600	1651	*	589	508	596	620	689	643	*
inch-lb	28x26	60,98	*	24,92	21,57	25,00	25,59	31,50	26,89	*
mm-Kg	700x650	1549	*	633	548	635	650	800	683	*
inch-lb	30x26	65,00	*	24,92	21,57	25,00	25,59	31,50	26,89	*
mm-Kg	750x650	1651	*	633	548	635	650	800	683	*
inch-lb	30x28	65,00	*	26,93	22,76	26,26	27,13	33,07	27,95	*
mm-Kg	750x700	1651	*	684	578	667	689	840	710	*
inch-lb	36x30	82,01	*	28,94	24,80	29,53	25,39	36,14	30,12	*
mm-Kg	900x750	2083	*	735	630	750	645	918	765	*
inch-lb	36x32	82,01	*	30,67	26,57	31,38	32,52	40,16	31,10	*
mm-Kg	900x800	2083	*	779	675	797	826	1020	790	*
inch-lb	36x34	82,01	*	*	*	*	*	*	*	*
mm-Kg	900x850	2083	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*

"All the above dimensions and weights could be subjected to changes by Perar SpA without any notification, due to engineering activities. Therefore, please consult the factory for confirmation on the above data as well as for other dimensions and weights not reported in the table".



ASME Class 900# Side Entry Welded Body



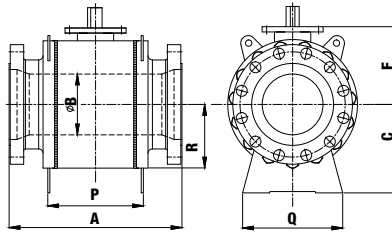
FULL BORE

REDUCED BORE

[illegible]

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	3x2	15,12	*	1,93	3,66	5,59	n.a.	n.a.	n.a.	*
mm-Kg	80x50	384	*	49	93	142	n.a.	n.a.	n.a.	*
inch-lb	4x3	18,11	*	2,91	4,61	6,69	n.a.	n.a.	n.a.	*
mm-Kg	100x80	460	*	74	117	170	n.a.	n.a.	n.a.	*
inch-lb	6x4	24,13	*	3,94	5,47	7,52	n.a.	n.a.	n.a.	*
mm-Kg	150x100	613	*	100	139	191	n.a.	n.a.	n.a.	*
inch-lb	8x6	29,13	*	5,91	6,50	9,41	10,94	10,04	8,70	*
mm-Kg	200x150	740	*	150	165	239	278	255	221	*
inch-lb	10x6	33,11	*	5,91	6,50	9,41	10,94	10,04	8,70	*
mm-Kg	250x150	841	*	150	165	239	278	255	221	*
inch-lb	10x8	33,11	*	7,91	8,58	11,18	14,17	13,70	12,40	*
mm-Kg	250x200	841	*	201	218	284	360	348	315	*
inch-lb	12x8	38,11	*	7,91	8,58	11,18	14,17	13,70	12,40	*
mm-Kg	300x200	968	*	201	218	284	360	348	315	*
inch-lb	12x10	38,11	*	9,92	10,16	12,80	14,57	16,06	13,98	*
mm-Kg	300x250	968	*	252	258	325	370	408	355	*
inch-lb	14x10	40,87	*	9,92	10,16	12,80	14,57	16,06	13,98	*
mm-Kg	350x250	1038	*	252	258	325	370	408	355	*
inch-lb	14x12	40,87	*	11,93	11,81	14,57	15,94	17,32	15,67	*
mm-Kg	350x300	1038	*	303	300	370	405	440	398	*
inch-lb	16x12	44,88	*	11,93	11,81	14,57	15,94	17,32	15,67	*
mm-Kg	400x300	1140	*	303	300	370	405	440	398	*
inch-lb	16x14	44,88	*	12,68	12,44	15,43	19,29	19,29	17,76	*
mm-Kg	400x350	1140	*	322	316	392	490	490	451	*
inch-lb	18x14	48,50	*	12,68	12,44	15,43	19,29	19,29	17,76	*
mm-Kg	450x350	1232	*	322	316	392	490	490	451	*
inch-lb	18x16	48,50	*	14,69	14,37	17,32	21,73	24,41	19,69	*
mm-Kg	450x400	1232	*	373	365	440	552	620	500	*
inch-lb	20x16	52,52	*	14,69	14,37	17,32	21,73	24,41	19,69	*
mm-Kg	500x400	1334	*	373	365	440	552	620	500	*
inch-lb	20x18	52,52	*	16,65	16,14	19,61	27,24	27,56	21,46	*
mm-Kg	500x450	1334	*	423	410	498	692	700	545	*
inch-lb	24x20	61,73	*	18,54	17,64	20,51	22,64	27,17	22,83	*
mm-Kg	600x500	1568	*	471	448	521	575	690	580	*
inch-lb	30x24	74,88	*	22,44	20,87	24,69	32,36	33,46	26,18	*
mm-Kg	750x600	1902	*	570	530	627	822	850	665	*
inch-lb	28x26	*	*	24,29	22,83	26,61	26,38	32,68	28,15	*
mm-Kg	700x650	*	*	617	580	676	670	830	715	*
inch-lb	30x26	74,88	*	24,29	22,83	26,61	26,38	32,68	28,15	*
mm-Kg	750x650	1902	*	617	580	676	670	830	715	*
inch-lb	36x30	91,14	*	28,03	25,79	29,53	27,95	40,94	31,38	*
mm-Kg	900x750	2315	*	712	655	750	710	1040	797	*
inch-lb	36x32	91,14	*	*	*	*	*	*	*	*
mm-Kg	900x800	2315	*	*	*	*	*	*	*	*
inch-lb	36x34	91,14	*	*	*	*	*	*	*	*
mm-Kg	900x850	2315	*	*	*	*	*	*	*	*

ASME Class 1500# Side Entry Welded Body



FULL BORE

REDUCED BORE

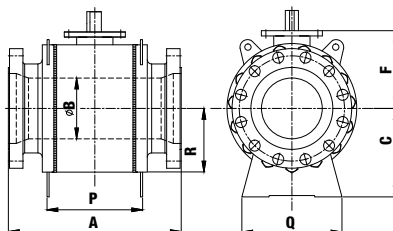
	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	2	14,61	*	1,93	3,94	5,87	n.a.	n.a.	n.a.	*
mm-Kg	50	371	*	49	100	149	n.a.	n.a.	n.a.	*
inch-lb	3	18,62	*	2,91	4,84	7,01	n.a.	n.a.	n.a.	*
mm-Kg	80	473	*	74	123	178	n.a.	n.a.	n.a.	*
inch-lb	4	21,61	*	3,94	5,51	8,39	n.a.	n.a.	n.a.	*
mm-Kg	100	549	*	100	140	213	n.a.	n.a.	n.a.	*
inch-lb	6	27,99	*	5,67	8,07	10,75	13,78	13,70	11,81	*
mm-Kg	150	711	*	144	205	273	350	348	300	*
inch-lb	8	33,11	*	7,56	9,65	12,64	14,96	16,34	13,78	*
mm-Kg	200	841	*	192	245	321	380	415	350	*
inch-lb	10	*	*	*	*	*	*	*	*	*
mm-Kg	250	*	*	*	*	*	*	*	*	*
inch-lb	12	*	*	*	*	*	*	*	*	*
mm-Kg	300	*	*	*	*	*	*	*	*	*
inch-lb	14	50,24	*	12,40	14,57	19,45	19,57	23,58	19,92	*
mm-Kg	350	1276	*	315	370	494	497	599	506	*
inch-lb	16	55,39	*	14,17	16,06	20,94	22,68	23,62	21,65	*
mm-Kg	400	1407	*	360	408	532	576	600	550	*
inch-lb	18	61,38	*	15,98	18,03	22,64	24,41	30,31	23,62	*
mm-Kg	450	1559	*	406	458	575	620	770	600	*
inch-lb	20	66,38	*	17,87	20,59	25,31	24,41	34,25	26,18	*
mm-Kg	500	1686	*	454	523	643	620	870	665	*
inch-lb	22	*	*	*	*	*	*	*	*	*
mm-Kg	550	*	*	*	*	*	*	*	*	*
inch-lb	24	*	*	*	*	*	*	*	*	*
mm-Kg	600	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	3x2	18,62	*	1,93	3,94	5,87	n.a.	n.a.	n.a.	*
mm-Kg	80x50	473	*	49	100	149	n.a.	n.a.	n.a.	*
inch-lb	4x3	21,61	*	2,91	4,84	7,01	n.a.	n.a.	n.a.	*
mm-Kg	100x80	549	*	74	123	178	n.a.	n.a.	n.a.	*
inch-lb	6x4	27,99	*	3,94	5,51	8,39	n.a.	n.a.	n.a.	*
mm-Kg	150x100	711	*	100	140	213	n.a.	n.a.	n.a.	*
inch-lb	8x6	33,11	*	5,67	8,07	10,75	13,78	13,70	11,81	*
mm-Kg	200x150	841	*	144	205	273	350	348	300	*
inch-lb	10x6	39,37	*	5,67	8,07	10,75	13,78	13,70	11,81	*
mm-Kg	250x150	1000	*	144	205	273	350	348	300	*
inch-lb	10x8	39,37	*	7,56	9,65	12,64	14,96	16,34	13,78	*
mm-Kg	250x200	1000	*	192	245	321	380	415	350	*
inch-lb	12x10	*	*	*	*	*	*	*	*	*
mm-Kg	300x250	*	*	*	*	*	*	*	*	*
inch-lb	16x12	*	*	*	*	*	*	*	*	*
mm-Kg	400x300	*	*	*	*	*	*	*	*	*
inch-lb	16x14	*	*	*	*	*	*	*	*	*
mm-Kg	400x350	*	*	*	*	*	*	*	*	*
inch-lb	18x14	*	*	*	*	*	*	*	*	*
mm-Kg	450x350	*	*	*	*	*	*	*	*	*
inch-lb	18x16	61,38	*	14,17	16,06	20,94	22,68	23,62	21,65	*
mm-Kg	450x400	1559	*	360	408	532	576	600	550	*
inch-lb	20x16	66,38	*	14,17	16,06	20,94	22,68	23,62	21,65	*
mm-Kg	500x400	1686	*	360	408	532	576	600	550	*
inch-lb	20x18	66,38	*	15,98	18,03	22,64	24,41	30,31	23,62	*
mm-Kg	500x450	1686	*	406	458	575	620	770	600	*
inch-lb	24x20	77,64	*	17,87	20,59	25,31	24,41	34,25	26,18	*
mm-Kg	600x500	1972	*	454	523	643	620	870	665	*

"All the above dimensions and weights could be subjected to changes by Perar SpA without any notification, due to engineering activities. Therefore, please consult the factory for confirmation on the above data as well as for other dimensions and weights not reported in the table".



ASME Class 2500# Side Entry Welded Body



FULL BORE

REDUCED BORE

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	2	17,87	*	1,65	4,65	6,81	n.a.	n.a.	n.a.	287
mm-Kg	50	454	*	42	118	173	n.a.	n.a.	n.a.	130
inch-lb	3	22,99	*	2,44	5,20	7,36	n.a.	n.a.	n.a.	*
mm-Kg	80	584	*	62	132	187	n.a.	n.a.	n.a.	*
inch-lb	4	*	*	*	*	*	n.a.	n.a.	n.a.	*
mm-Kg	100	*	*	*	*	*	n.a.	n.a.	n.a.	*
inch-lb	6	36,50	*	5,16	9,17	12,28	15,20	15,20	13,46	1698
mm-Kg	150	927	*	131	233	312	386	386	342	770
inch-lb	8	40,87	*	7,05	11,22	14,88	17,52	17,95	15,35	*
mm-Kg	200	1038	*	179	285	378	445	456	390	*
inch-lb	10	50,87	*	8,78	13,50	17,95	22,64	21,54	17,32	*
mm-Kg	250	1292	*	223	343	456	575	547	440	*
inch-lb	12	*	*	*	*	*	*	*	*	*
mm-Kg	300	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*

	SIZE	A(RF)	A(BW)	B	C	F	P	Q	R	WEIGHT
inch-lb	3x2	22,99	*	1,65	4,65	6,81	n.a.	n.a.	n.a.	*
mm-Kg	80x50	584	*	42	118	173	n.a.	n.a.	n.a.	*
inch-lb	4x3	26,89	*	2,44	5,20	7,36	n.a.	n.a.	n.a.	*
mm-Kg	100x80	683	*	62	132	187	n.a.	n.a.	n.a.	*
inch-lb	6x4	*	*	*	*	*	n.a.	n.a.	n.a.	*
mm-Kg	150x100	*	*	*	*	*	n.a.	n.a.	n.a.	*
inch-lb	8x6	40,87	*	5,16	9,17	12,28	15,20	15,20	13,46	*
mm-Kg	200x150	1038	*	131	233	312	386	386	342	*
inch-lb	10x6	50,87	*	5,16	9,17	12,28	15,20	15,20	13,46	*
mm-Kg	250x150	1292	*	131	233	312	386	386	342	*
inch-lb	10x8	50,87	*	7,05	11,22	14,88	17,52	17,95	15,35	*
mm-Kg	250x200	1292	*	179	285	378	445	456	390	*
inch-lb	12x8	56,89	*	7,05	11,22	14,88	17,52	17,95	15,35	*
mm-Kg	300x200	1445	*	179	285	378	445	456	390	*
inch-lb	12x10	56,89	*	8,78	13,50	17,95	22,64	21,54	17,32	*
mm-Kg	300x250	1445	*	223	343	456	575	547	440	*

