



DEUBLIN

General Purpose 55 Series Unions

- monoflow and duoflow design
- self-supported rotating union
- radial housing connection
- balanced mechanical seal
- 3 vent holes
- forged brass housing
- stainless steel rotor ($\frac{3}{8}$ " - 1")
- special options:
threaded vent holes,
low torque design
- Lubrication Guide page 55

Operating Data

Maximum Water Pressure	Model 55-555	750 PSI	50 bar
Maximum Water Pressure	Model 655	600 PSI	41 bar
Maximum Saturated Steam Pressure (Intermittent)		15 PSI	1 bar
Maximum Hot Oil Pressure		100 PSI	6.6 bar
Maximum Speed NPT Threads	Model 55-555	1,500 RPM	1,500/min
	Model 655	750 RPM	750/min
Maximum Speed Straight Threads	Model 55-255	3,500 RPM	3,500/min
	Model 355	3,000 RPM	3,000/min
	Model 525-555	2,500 RPM	2,500/min
	Model 655	750 RPM	750/min

Maximum Temperature 250°F >250°F consult **DEUBLIN**

Torque Ratings 55 Series

Size	ft.lbs	Nm
55	$\frac{1}{4}$	0.34
155	$\frac{1}{3}$	0.50
255	$\frac{1}{2}$	0.68
355	$1\frac{1}{8}$	1.80
525	$1\frac{1}{2}$	1.80
555	$2\frac{1}{2}$	3.40
655	3	4.07

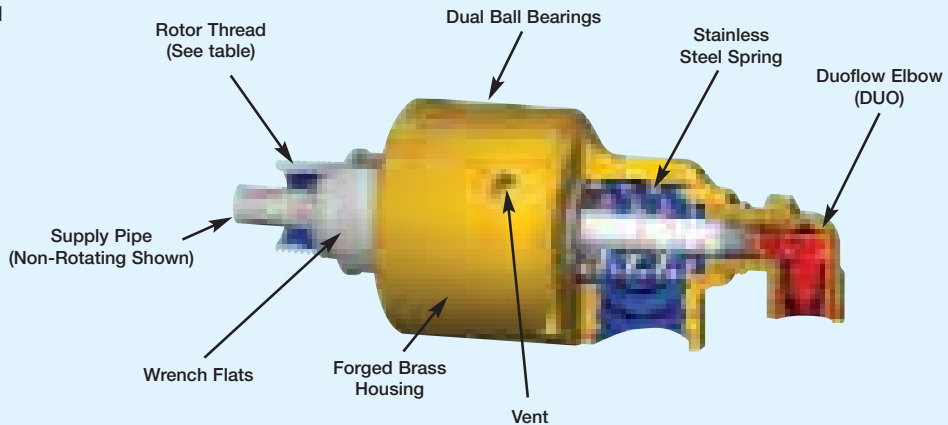
Seal Combinations

- Carbon Graphite/Bronze for water - Standard
- Carbon Graphite/Ceramic for hot oil, hot water and saturated steam - Optional
- multi-purpose applications

Seal Combination - E.L.S.

- Tungsten Carbide/Ceramic for severe conditions (poor water quality), max. temperature 200°F

Illustration shows duoflow with fixed supply pipe. Monoflow units have pipe plugs instead of an elbow.



55 & 57 Series Monoflow Union Specifications

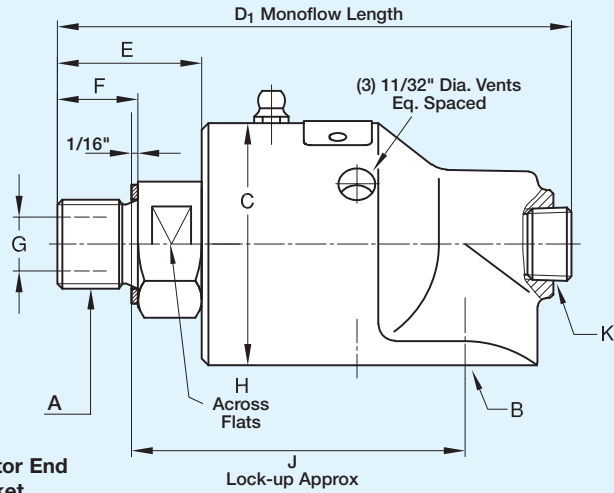


Chart Instructions

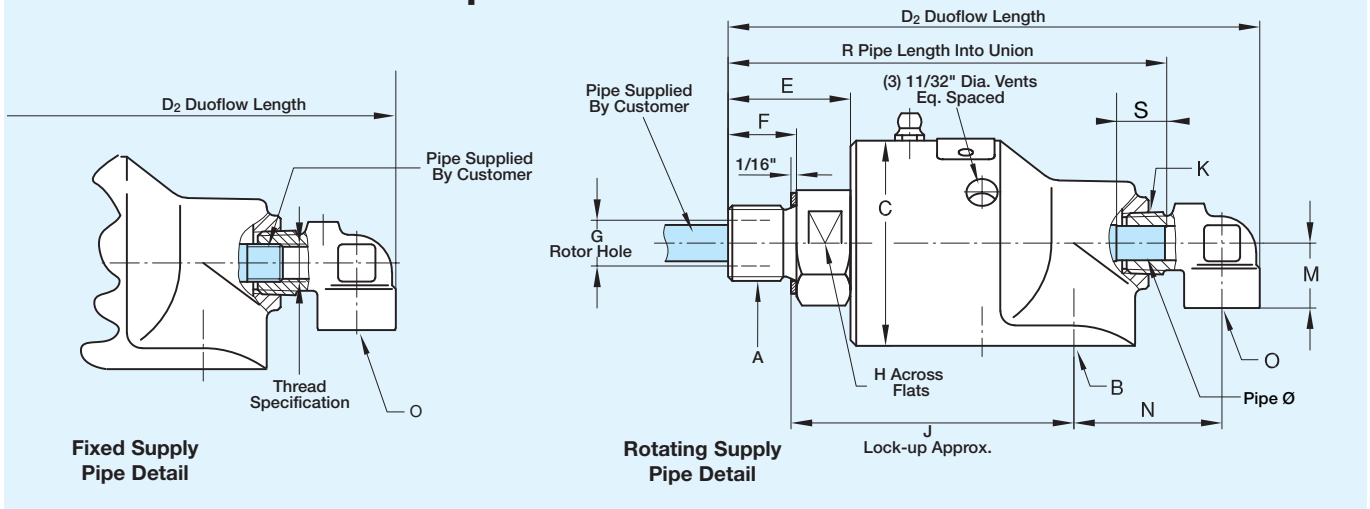
Select Union Size and Rotor Thread.
Follow this line to opposite page to
find Duoflow Elbow Specifications.
Add Duoflow Elbow Suffix to the end
of the Ordering Number.

† Recessed O-Ring in Rotor End
in Place of Copper Gasket

B Port NPT	Ordering Number				A ^① Rotor Thread	C	D ₁	D ₂	E	F	G	H	J
	55 Series All Purpose	55 Series E.L.S.	57 Series Water Service	57 Series E.L.S.									
3/8"	55-000-001	55-147-151	57-000-001	57-050-001	3/8" NPT RH	1 3/4"	3 15/16"	4 13/16"	1"	5/8"	3/8"	7/8"	2 1/16"
	55-000-002	55-147-152	57-000-002	57-050-002	3/8" NPT LH								
	55-000-003	55-147-149	57-000-003	57-050-003	5/8"-18 UNF RH	1 3/4"	3 15/16"	4 13/16"	1"	5/8"	3/8"	7/8"	2 1/2"
	55-000-004	55-147-150	57-000-004	57-050-004	5/8"-18 UNF LH								
	55-000-094	55-147-192	57-000-094	57-050-094	G 3/8" (BSP) RH	44.5	102	123	26	16	9.5	22.2	63
	55-000-095	55-147-193	57-000-095	57-050-095	G 3/8" (BSP) LH								
1/2"	155-000-001	155-208-113	157-000-001	157-050-001	1/2" NPT RH	2 1/4"	4 13/16"	5 7/8"	1 1/16"	7/8"	1/2"	1 1/8"	3 1/2"
	155-000-002	155-208-114	157-000-002	157-050-002	1/2" NPT LH								
	155-000-021	155-208-185	157-000-021	157-050-021	3/4"-16 UNF RH	2 1/4"	4 11/16"	5 3/4"	1 5/16"	3/4"	1/2"	1 1/8"	3 1/16"
	155-000-022	155-208-229	157-000-022	157-050-022	3/4"-16 UNF LH								
	155-000-151	155-208-252	157-000-151	157-050-151	G 1/2" (BSP) RH	57.2	120	148	34	19	12.7	28.6	78
	155-000-152	155-208-253	157-000-152	157-050-152	G 1/2" (BSP) LH								
3/4"	255-000-020	255-052-255	257-000-020	257-050-020	3/4" NPT RH	2 7/8"	5 9/16"	6 3/4"	1 7/16"	7/8"	1 1/16"	1 1/4"	4 1/16"
	255-000-021	255-052-256	257-000-021	257-050-021	3/4" NPT LH								
	255-000-003	255-052-258	257-000-135†	257-050-135†	1"-14 UNS RH	2 7/8"	5 7/16"	6 5/8"	1 5/16"	3/4"	2 1/32"	1 1/4"	3 11/16"
	255-000-027	255-052-257	257-000-136†	257-050-136†	1"-14 UNS LH								
	255-000-284	255-052-445	257-000-284	257-050-284	G 3/4" (BSP) RH	73	138	168	34	19	17.5	32	94
	255-000-285	255-052-446	257-000-285	257-050-285	G 3/4" (BSP) LH								
1"	355-000-002	355-064-186	357-000-002	357-050-002	1" NPT RH	3 1/4"	6 13/16"	8 5/16"	1 15/16"	1 1/8"	1"	1 1/2"	4 11/16"
	355-000-003	355-064-187	357-000-003	357-050-003	1" NPT LH								
	355-000-019	355-064-328	357-000-019	357-050-019	1 1/2"-12 UNF RH	3 1/4"	6 13/16"	8 5/16"	1 15/16"	1 1/8"	1"	1 1/2"	4 1/4"
	355-000-074	355-064-329	357-000-074	357-050-074	1 1/2"-12 UNF LH								
	355-000-222	355-064-378	357-000-222	357-050-222	G 1" (BSP) RH	75.4	166	204	42	21.5	22.2	38.1	108
	355-000-223	355-064-379	357-000-223	357-050-223	G 1" (BSP) LH								
1 1/4"	525-000-001	525-097-043	527-000-001	527-050-001	1 1/4" NPT RH	3 9/16"	7 9/16"	9 3/8"	2 3/16"	1 1/8"	1 1/4"	1 3/4"	5 1/4"
	525-000-002	525-097-044	527-000-002	527-050-002	1 1/4" NPT LH								
	525-000-026	525-097-095	527-000-026	527-050-026	1 3/4"-12 UN RH	3 9/16"	7 9/16"	9 3/8"	2 3/16"	1 3/16"	1 1/4"	1 3/4"	4 11/16"
	525-000-027	525-097-096	527-000-027	527-050-027	1 3/4"-12 UN LH								
	525-000-054	525-097-122	527-000-054	527-050-054	G 1 1/4" (BSP) RH	90.5	191	234	54	27	30.2	44.5	119
	525-000-055	525-097-123	527-000-055	527-050-055	G 1 1/4" (BSP) LH								
1 1/2"	555-000-001	555-033-154	557-000-001	557-050-001	1 1/2" NPT RH	4 1/4"	8 1/2"	10 5/16"	2 7/16"	1 3/16"	1 1/2"	2 5/8"	6"
	555-000-002	555-033-160	557-000-002	557-050-002	1 1/2" NPT LH								
	555-000-395	555-033-399	557-000-395	557-050-395	2"-12 UN RH	4 1/4"	8 7/8"	10 11/16"	2 13/16"	1 1/8"	1 1/2"	2 5/8"	5 13/16"
	555-000-396	555-033-382	557-000-396	557-050-396	2"-12 UN LH								
	555-000-198	555-033-288	557-000-198	557-050-198	G 1 1/2" (BSP) RH	108	225	268	71	29	35	54	147
	555-000-199	555-033-289	557-000-199	557-050-199	G 1 1/2" (BSP) LH								
2"	655-500-116	655-502-116	657-000-116	657-050-116	2" NPT RH	4 5/8"	10 1/16"	11 3/4"	3"	1 1/2"	1 7/8"	2 1/4"	7"
	655-500-117	655-502-117	657-000-117	657-050-117	2" NPT LH								
	655-500-124	655-502-124	657-000-124	657-050-124	G 2" (BSP) RH	117	246	289	65	28.6	47	55	164
	655-500-125	655-502-125	657-000-125	657-050-125	G 2" (BSP) LH								

^① Metric threads and other thread sizes are available. Contact factory for further information. For 2", 2 1/2", 3", 4" and 5" capacity unions refer to pages 11-13 and 16-20.

55 & 57 Series Duoflow Union Specifications



For Description See Page 10

Fixed Supply Pipe			Fixed Supply Tube			Rotating Supply Pipe									Shpg. Wt.
Elbow Suffix	Thread	R	Elbow Suffix	Tube OD	R	Elbow Suffix	Pipe Size	Pipe Dia.	S	R	K NPT	M	N	O NPT	
—	—	—	-030	.250"	4 3/16"	—	—	—	—	—	1/4"	1 1/16"	1 3/8"	1/4"	2#
—	—	—	-030	.250"	4 3/16"	—	—	—	—	—	1/4"	1 1/16"	1 3/8"	1/4"	2#
-120	M6X1	98.5	—	—	—	—	—	—	—	—	1/4"	18	35	1/4"	0.9 Kg
-012	1/8" NPT	4 3/4"	-061	.375"	5 7/16"	—	—	—	—	—	3/8"	1 1/16"	1 1/2"	3/8"	3#
-012	1/8" NPT	4 3/4"	-061	.375"	5 5/16"	-061	1/8"	.371" .370"	1 3/16"	5"	3/8"	1 1/16"	1 1/2"	3/8"	3#
-199	G 3/8" (BSP)	117	—	—	—	-471	—	9.93 9.90	30	127	3/8"	18	38	3/8"	1.4 Kg
-043	1/4" NPT	5 1/2"	-075	.500"	5 13/16"	—	—	—	—	—	1/2"	1"	1 3/4"	1/2"	5#
-044	1/8" NPT	5 1/8"	-026	.437"	5 13/16"	—	—	—	—	—	1/2"	1"	1 3/4"	1/2"	5#
-043	1/4" NPT	5 1/8"	-075	.500"	5 13/16"	-075	1/4"	.496" .495"	1 1/4"	5 11/16"	1/2"	1"	1 3/4"	1/2"	5#
-044	1/8" NPT	5"	-026	.437"	5 13/16"	—	—	—	—	—	1/2"	26	45	1/2"	2.3 Kg
-368	G 1/4" (BSP)	136.5	—	—	—	-681	—	12.95 12.90	31	146.5	1/2"	26	45	1/2"	2.3 Kg
-367	G 3/8" (BSP)	132.5	—	—	—	—	—	—	—	—	1/2"	26	45	1/2"	2.3 Kg
-083	3/8" NPT	7 1/16"	-163	.625"	7 7/8"	—	—	—	—	—	3/4"	1 1/16"	2 5/16"	1/2"	8#
-084	1/4" NPT	7"													
-083	3/8" NPT	7 1/16"	-163	.625"	7 7/8"	-163	3/8"	.621" .619"	1 1/4"	7"	3/4"	1 1/16"	2 5/16"	1/2"	8#
-084	1/4" NPT	7"													
-255	G 3/8" (BSP)	162	—	—	—	-347	—	15.95 15.90	31	175	3/4"	27	59	1/2"	3.6 Kg
-007	1/2" NPT	8 1/8"	-104	.750"	8 3/4"	—	—	—	—	—	1"	1 3/8"	2 13/16"	3/4"	10#
-007	1/2" NPT	8 1/8"	-104	.750"	8 3/4"	-104	1/2"	.745" .743"	1 1/2"	8 3/16"	1"	1 3/8"	2 13/16"	3/4"	10#
-079	G 1/2" (BSP)	185.5	—	—	—	-237	—	21.94 21.89	38	201.5	1"	35	72	3/4"	4.5 Kg
-013	3/4" NPT	8 13/16"	-263	1.000"	9 1/8"	—	—	—	—	—	1 1/4"	1 1/2"	3 1/16"	3/4"	16#
-036	1/2" NPT	8 3/4"													
-013	3/4" NPT	9 3/16"	-263	1.000"	9 1/2"	-144	3/4"	1.000" .998"	1 3/4"	9 5/16"	1 1/4"	1 1/2"	3 1/16"	3/4"	16#
-036	1/2" NPT	9 1/8"													
-221	G 3/4" (BSP)	222	—	—	—	-468	—	25.91 25.81	44	244	1 1/4"	38	78	3/4"	7.2 Kg
-013	3/4" NPT	10 1/4"	-263	1.000"	10 5/8"	—	—	—	—	—	1 1/4"	1 1/2"	3 1/16"	3/4"	17#
-183	1" NPT	10 3/8"													
-221	G 3/4" (BSP)	243	—	—	—	-468	—	25.91 25.81	44	250	1 1/4"	38	78	3/4"	7.7 Kg