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## API 6A 21<sup>st</sup> Edition – Addendum 4 08/26/2024

### 6A-21st Edition Addendum 4 – Item 1

#### 3.1.58

#### other end connector

#### OEC

End or outlet connector (See 3.1.28) of a design where material designations (standard or nonstandard) and/or dimensions are not fully specified in this or other reference API specification document.

**NOTE 1** This includes API flanges and hubs with non-API gasket preparations and manufacturer's proprietary connections.

**NOTE 2** API 16A hubs are not OECs

### 6A-21<sup>st</sup> Edition Addendum 4 – Item 2

**Table D.25—Center Spacing of Conduit Bores for Dual Parallel Bore Valves  
for 13.8 MPa, 20.7 MPa, 34.5 MPa, and 69.0 MPa (continued)**

Dimensions in millimeters unless noted otherwise

Maximum Nominal Valve Size in.	Bore Center to Bore Center	Large-bore to End-connector Center	Small-bore to End-Connector Center	Minimum End-connector Size	Basic Casing Size	
					OD	Lineic Mass kg/m
<b>13.8 MPa, 20.7 MPa, and 34.5 MPa RWP</b>						
1 <sup>13</sup> / <sub>16</sub>	70.64	35.32	35.32	7 <sup>1</sup> / <sub>16</sub>	139.7	25
2 <sup>1</sup> / <sub>16</sub>	90.10	45.05	45.05	7 <sup>1</sup> / <sub>16</sub>	177.8	57
2 <sup>9</sup> / <sub>16</sub> × 2 <sup>1</sup> / <sub>16</sub>	90.09	41.91	48.18	7 <sup>1</sup> / <sub>16</sub>	177.8	43
2 <sup>9</sup> / <sub>16</sub> × 2 <sup>1</sup> / <sub>16</sub>	101.61	47.63	53.98	9	193.7	58
2 <sup>9</sup> / <sub>16</sub>	101.60	50.80	50.80	9	193.7	44
2 <sup>9</sup> / <sub>16</sub>	114.30	57.15	57.15	9	219.1	73
3 <sup>1</sup> / <sub>8</sub> × 2 <sup>1</sup> / <sub>16</sub>	116.28	51.00	65.28	9	219.1	73
3 <sup>1</sup> / <sub>8</sub> × 2 <sup>9</sup> / <sub>16</sub>	128.20	64.10	64.10	11	244.5	80
3 <sup>1</sup> / <sub>8</sub>	128.20	64.10	64.10	11	244.5	80
<b>69.0 MPa RWP</b>						
1 <sup>13</sup> / <sub>16</sub>	70.64	35.32	35.32	7 <sup>1</sup> / <sub>16</sub>	139.7	25
2 <sup>1</sup> / <sub>16</sub>	90.10	45.05	45.05	7 <sup>1</sup> / <sub>16</sub>	177.8	57
2 <sup>9</sup> / <sub>16</sub> × 2 <sup>1</sup> / <sub>16</sub>	90.09	41.91	48.18	7 <sup>1</sup> / <sub>16</sub>	177.8	43

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$2^{9/16} \times 2^{1/16}$	101.61	47.63	53.98	9	193.7	58
$2^{9/16}$	101.60	50.80	50.80	9	193.7	44
$2^{9/16}$	114.30	57.15	57.15	9	219.1	73
$3^{1/16}$	128.20	64.10	64.10	11	244.5	80
FOOTNOTE						
Nominal sizes for valves and end connectors are in inches.						

**Table E.25—Center Spacing of Conduit Bores for Dual Parallel Bore Valves for 2000 psi, 3000 psi, 5000 psi, and 10,000 psi (continued)**

Dimensions in inches

Maximum Nominal Valve Size	Bore Center to Bore Center	Large-bore to End-connector Center	Small-bore to End-connector Center	Minimum End-connector Size	Basic Casing Size	
					OD	Lineic Mass lb/ft
2000 psi, 3000 psi, and 5000 psi						
$1^{13/16}$	2.780	1.390	1.390	$7^{1/16}$	$5^{1/2}$	17
$2^{1/16}$	3.548	1.774	1.774	$7^{1/16}$	7	38
$2^{9/16} \times 2^{1/16}$	3.547	1.650	1.897	$7^{1/16}$	7	29
$2^{9/16} \times 2^{1/16}$	4.000	1.875	2.125	9	$7^{5/8}$	39
$2^{9/16}$	4.000	2.000	2.000	9	$7^{5/8}$	29.7
$2^{9/16}$	4.500	2.250	2.250	9	$8^{5/8}$	49
$3^{1/8} \times 2^{1/16}$	4.578	2.008	2.570	9	$8^{5/8}$	49
$3^{1/8} \times 2^{9/16}$	5.048	2.524	2.524	11	$9^{5/8}$	53.5
$3^{1/8}$	5.048	2.524	2.524	11	$9^{5/8}$	53.5
10,000 psi						
$1^{13/16}$	2.780	1.390	1.390	$7^{1/16}$	$5^{1/2}$	17
$2^{1/16}$	3.548	1.774	1.774	$7^{1/16}$	7	38
$2^{9/16} \times 2^{1/16}$	3.547	1.650	1.897	$7^{1/16}$	7	29
$2^{9/16} \times 2^{1/16}$	4.000	1.875	2.125	9	$7^{5/8}$	39
$2^{9/16}$	4.000	2.000	2.000	9	$7^{5/8}$	29.7
$2^{9/16}$	4.500	2.250	2.250	9	$8^{5/8}$	49
$3^{1/16}$	5.048	2.524	2.524	11	$9^{5/8}$	53.5

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## 2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies, except that new editions may be used on issue and shall become mandatory ~~upon~~ 12 months from the effective date specified by the publisher or 12 months from the date of the revision (where no effective date is specified).

### 8.1.2 Quality

Closure bolting shall be qualified and manufactured in accordance with API 20E or API 20F. Bolting specification levels (BSLs) shall be as specified in Table 15.

**NOTE** For 20E bolting, either the 2<sup>nd</sup> or the 3<sup>rd</sup> Editions may be acceptable within limitations of section 2.

### 6A-21<sup>st</sup> Edition Addendum 4 – Item 4

### 8.1.3 Studded Outlet Connection

**NOTE** The ~~requirements~~ recommendations of Annex I for closure bolting ~~shall~~ apply only to those used to connect 6B and 6BX flanged and studded connectors as specified in 14.1.