



Top connections - best solutions!



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Nom. Diameter 2,7 = 6 mm²
20 KA series



Technical Description

Our 20 series is the second smallest single hand operated quick connect coupling on the market. It can be supplied as either single shut-off or straight through (no valve) design.

Advantages

A quality coupling having extremely small dimensions. Single handed operation, high flow with low pressure loss.

Applications

Medical engineering, dental equipment, laboratory installations, chemistry, measuring and control equipment, analysis engineering, mini pneumatic, mechanical engineering.

Interchangeability

WALTHER 06-003, RECTUS 91

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

-20°C up to +100°C (Buna N)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (Viton®)
depending on the medium.



*At a temperature below -20°C and above +150°C special seals are available on request.

Material Coupling

Back Body	Brass
Valve Body	Brass
Sleeve	Brass
Valve	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	Buna N

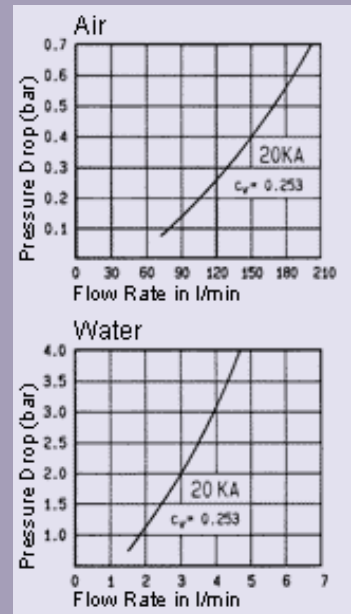
Standard Version

Brass
Brass
Brass
Brass
AISI 301
AISI 420
Buna N

Additional Versions

Nickel Plated	AISI 303	AISI 316 Ti
Brass, Nickel Plated	AISI 303	AISI 316 Ti
Brass, Nickel Plated	AISI 303	AISI 316 Ti
Brass, Nickel Plated	AISI 303	AISI 316 Ti
Brass	AISI 303	AISI 316 Ti
AISI 301	AISI 303	AISI 316 Ti
AISI 420	AISI 420	AISI 420
Buna N	Viton®	Viton®

Chart

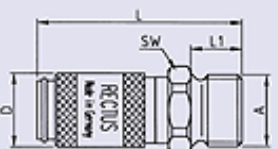
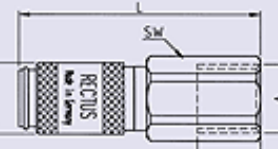


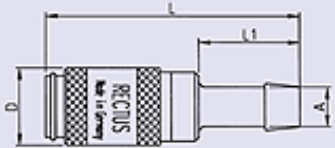
Plug

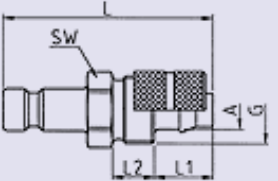
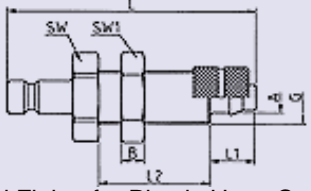
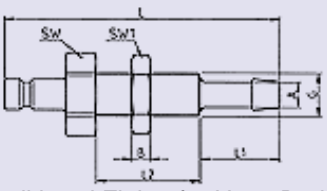
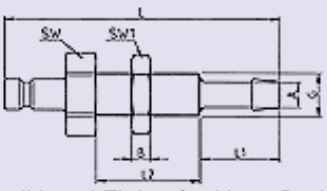
Plug	Brass	Brass, Nickel Plated
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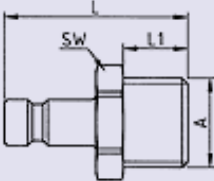
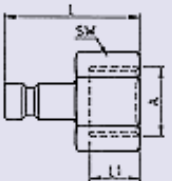
PDF-Documents

- [Safety Instructions](#)
- [Installation and maintenance instructions](#)
- [Operating instructions](#)

Couplings	Connection A									Material	part number
	Hex	L	D	L1	L2	Hex1	B	G			
 <p>Male Thread</p>	M 5	9	26	10	5					Standard	20KAAM05MPX
										Nickel plated	20KAAM05MPN
										1.4305	20KAAM05RVX
										1.4571	20KAAM05EVX
	G 1/8	11	28	10	7					Standard	20KAAM10MPX
										Nickel plated	20KAAM10MPN
	M 5	9	26	10	5					Standard	20KAIM05MPX
										Nickel plated	20KAIM05MPN
										1.4305	20KAIM05RVX
										1.4571	20KAIM05EVX
	G 1/8	12	28	10	7					Standard	20KAIW10MPX
										Nickel plated	20KAIW10MPN

Female Thread										Material	part number											
 <p>Hose Barb</p>										1.4305	20KAIW10RVX											
										1.4571	20KAIW10EVX											
<td>3 mm</td> <td>35</td> <td>10</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20KATF03MPX</td>										3 mm	35	10	13							Standard	20KATF03MPX	
										Nickel plated	20KATF03MPN											
<td>4 mm</td> <td>35</td> <td>10</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20KATF04MPX</td>										4 mm	35	10	13							Standard	20KATF04MPX	
										Nickel plated	20KATF04MPN											
<td>5 mm</td> <td>34</td> <td>10</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20KATF05MPX</td>										5 mm	34	10	13							Standard	20KATF05MPX	
										Nickel plated	20KATF05MPN											
<td>3 x 4 mm</td> <td>9</td> <td>34</td> <td>10</td> <td>7</td> <td>5</td> <td></td> <td>M 7 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KAKO04MPX</td>										3 x 4 mm	9	34	10	7	5		M 7 x 0,5			Standard	20KAKO04MPX	
										Nickel plated	20KAKO04MPN											
<td>3 x 5 mm</td> <td>9</td> <td>34</td> <td>10</td> <td>7</td> <td>5</td> <td></td> <td>M 7 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KAKO05MPX</td>										3 x 5 mm	9	34	10	7	5		M 7 x 0,5			Standard	20KAKO05MPX	
										Nickel plated	20KAKO05MPN											
<td>4 x 6 mm</td> <td>9</td> <td>34</td> <td>10</td> <td>7</td> <td>5</td> <td></td> <td>M8x0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KAKO06MPX</td>										4 x 6 mm	9	34	10	7	5		M8x0,5			Standard	20KAKO06MPX	
										Nickel plated	20KAKO06MPN											
<td>3 x 4 mm</td> <td>12</td> <td>45</td> <td>10</td> <td>7</td> <td>17</td> <td>11</td> <td>3</td> <td>M 7 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KAKS04MPX</td>										3 x 4 mm	12	45	10	7	17	11	3	M 7 x 0,5			Standard	20KAKS04MPX
										Nickel plated	20KAKS04MPN											
<td>3 x 5 mm</td> <td>12</td> <td>45</td> <td>10</td> <td>7</td> <td>17</td> <td>11</td> <td>3</td> <td>M 7 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KAKS05MPX</td>										3 x 5 mm	12	45	10	7	17	11	3	M 7 x 0,5			Standard	20KAKS05MPX
										Nickel plated	20KAKS05MPN											
<td>4 x 6 mm</td> <td>12</td> <td>45</td> <td>10</td> <td>7</td> <td>17</td> <td>12</td> <td>3,5</td> <td>M 8 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KAKS06MPX</td>										4 x 6 mm	12	45	10	7	17	12	3,5	M 8 x 0,5			Standard	20KAKS06MPX
										Nickel plated	20KAKS06MPN											
<td>3 mm</td> <td>12</td> <td>51</td> <td>10</td> <td>13</td> <td>17</td> <td>11</td> <td>3</td> <td>M 7 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KATS03MPX</td>										3 mm	12	51	10	13	17	11	3	M 7 x 0,5			Standard	20KATS03MPX
										Nickel plated	20KATS03MPN											
<td>4 mm</td> <td>12</td> <td>51</td> <td>10</td> <td>13</td> <td>17</td> <td>11</td> <td>3</td> <td>M 7 x 0,5</td> <td></td> <td></td> <td>Standard</td> <td>20KATS04MPX</td>										4 mm	12	51	10	13	17	11	3	M 7 x 0,5			Standard	20KATS04MPX
										Nickel plated	20KATS04MPN											
<td>6 mm</td> <td>12</td> <td>51</td> <td>10</td> <td>13</td> <td>17</td> <td>12</td> <td>3</td> <td>M 10 x 1</td> <td></td> <td></td> <td>Standard</td> <td>20KATS06MPX</td>										6 mm	12	51	10	13	17	12	3	M 10 x 1			Standard	20KATS06MPX
										Nickel plated	20KATS06MPN											
Plug										Material	part number											
<td>3 mm</td> <td>24</td> <td>7</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20SFTF03MXX</td>										3 mm	24	7	13								Standard	20SFTF03MXX
										Nickel plated	20SFTF03MXN											
<td>4 mm</td> <td>24</td> <td>7</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20SFTF04MXX</td>										4 mm	24	7	13								Standard	20SFTF04MXX
										Nickel plated	20SFTF04MXN											
<td>5 mm</td> <td>22</td> <td>9</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20SFTF05MXX</td>										5 mm	22	9	13								Standard	20SFTF05MXX
										Nickel plated	20SFTF05MXN											
<td>3 x 4 mm</td> <td>7</td> <td>25</td> <td>7</td> <td>5</td> <td></td> <td></td> <td>M 7 x 0,5</td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20SFKO04MXX</td>										3 x 4 mm	7	25	7	5			M 7 x 0,5				Standard	20SFKO04MXX
										Nickel plated	20SFKO04MXN											
<td>3 x 5 mm</td> <td>7</td> <td>25</td> <td>7</td> <td>5</td> <td></td> <td></td> <td>M 7 x 0,5</td> <td></td> <td></td> <td></td> <td>Standard</td> <td>20SFKO05MXX</td>										3 x 5 mm	7	25	7	5			M 7 x 0,5				Standard	20SFKO05MXX
										Nickel plated	20SFKO05MXN											

 <p>Plastic Hose Connection</p>										1.4305	20SFKO05RXX
										1.4571	20SFKO05EXX
	4 x 6 mm	8	25	7	5				M 8 x 0,5	Standard	20SFKO06MXX
										Nickel plated	20SFKO06MXN
										1.4305	20SFKO06RXX
 <p>Bulkhead Fitting for Plastic Hose Connection</p>										1.4571	20SFKO06EXX
	3 x 4 mm	11	38	7	17	11	3	M 7 x 0,5	Standard	20SFKS04MXX	
										Nickel plated	20SFKS04MXN
	3 x 5 mm	11	38	7	17	11	3	M 7 x 0,5	Standard	20SFKS05MXX	
										Nickel plated	20SFKS05MXN
 <p>Bulkhead Fitting for Hose Barb</p>	4 x 6 mm	12	38	7	17	12	3	M 8 x 0,5	Standard	20SFKS06MXX	
										Nickel plated	20SFKS06MXN
										1.4305	20SFKS06RXX
	3 mm	12	45	13	18	11	3,5	M 7 x 0,5	Standard	20SFTS03MXX	
										Nickel plated	20SFTS03MXN
 <p>Bulkhead Fitting for Hose Barb</p>	4 mm	12	45	13	17	11	3	M 7 x 0,5	Standard	20SFTS04MXX	
										Nickel plated	20SFTS04MXN

Plug	Connection A	Hex	L	D	L1	L2	Hex1	B	G	Material	part number
 <p>Male Thread</p>	M 5	7	18	5						Standard	20SFAM05MXX
										Nickel plated	20SFAM05MXN
										1.4305	20SFAM05RXX
										1.4571	20SFAM05EXX
	G 1/8	11	20	7						Standard	20SFAW10MXX
 <p>Female Thread</p>										Nickel plated	20SFAW10MXN
										1.4305	20SFAW10RXX
										1.4571	20SFAW10EXX
	M 5	7	17	5						Standard	20SFIM05MXX
										Nickel plated	20SFIM05MXN
										1.4305	20SFIM05RXX
										1.4571	20SFIM05EXX
	G 1/8	12	19	7						Standard	20SFIW10MXX
										Nickel plated	20SFIW10MXN
										1.4305	20SFIW10RXX
									1.4571	20SFIW10EXX	