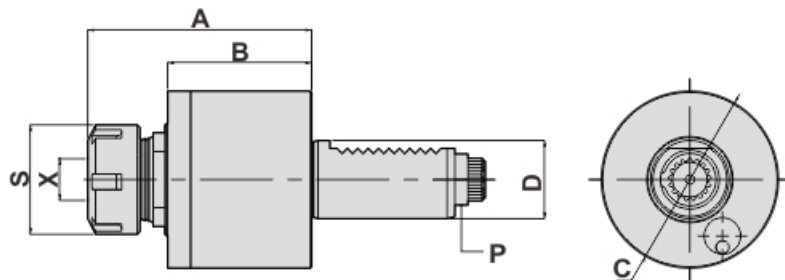


AXIAL DRILLING AND MILLING HEADS

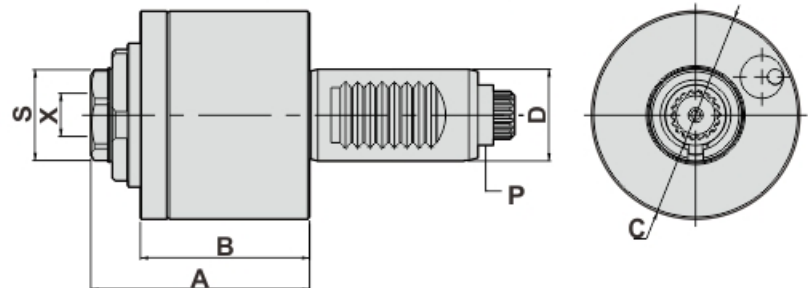
軸向鑽銑刀座 (0°)



▲ Coupling to DIN 5480

Power transmission according to DIN 5480

130203-000 (DAC30548025A)



- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
20	1-10 ER16	30	6000	1:1	76	48	58	W11x0.8	120201-000	DA20548016	1.1
30	1-16 ER25	30	6000	1:1	70	55	68	W16x0.8	130203-000	DAC30548025A	1.8
30	1-16 ER25	42	6000	1:1	85	55	68	W16x0.8	130202-000	DAC30548025	1.9
30	1-16 ER25	42	6000	1:1	101	71.5	68	W16x0.8	130201-000	DA30548025	2.2
30	2-20 ER32	50	6000	1:1	120.5	71.5	68	W16x0.8	130218-000	DA30548032	2.5
40	1-10 ER16	30	6000	1:1	83.1	56	86	W20x0.8	140226-000	DAC40548016	3
40	1-16 ER25	42	6000	1:1	88.5	56	86	W20x0.8	140227-000	DAC40548025	3
40	2-20 ER32	50	6000	1:1	92.5	56	86	W20x0.8	140202-000	DAC40548032	3.1
40	2-20 ER32	38	6000	1:1	74	56	86	W20x0.8	140203-000	DAC40548032A	3
40	2-20 ER32	50	6000	1:1	111	75	86	W20x0.8	140201-000	DA40548032	3.8
40	3-26 ER40	63	6000	1:1	123.5	75	86	W20x0.8	140218-000	DA40548040	4.1
50	3-26 ER40	63	6000	1:1	122	82	96	W24x1.25	150201-000	DA50548040	5.7
60	10-34 ER50	78	6000	1:1	142	88	116	W30x1.25	160201-000	DA60548050	9.3

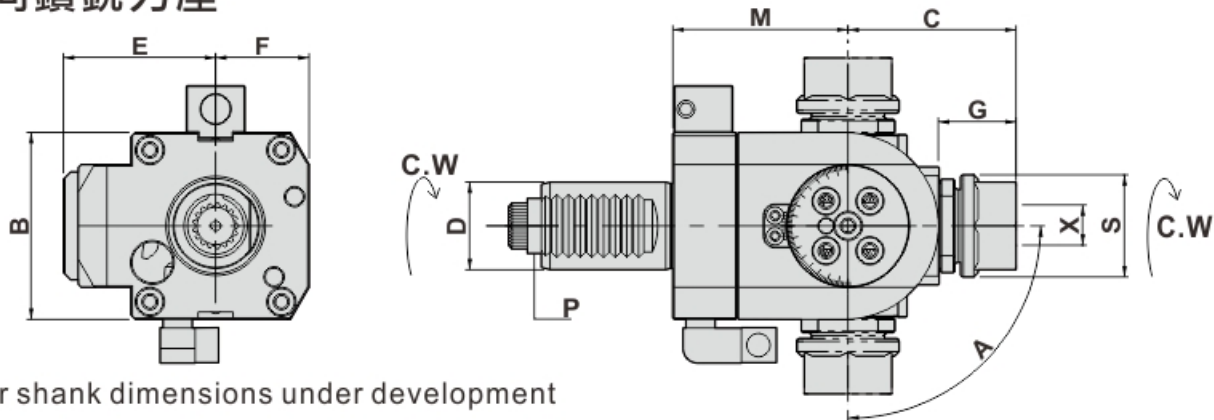
AXIAL TAPPING HEADS

軸向彈性攻牙刀座 (0°)

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1~10 ER16	30	3000	1:1	108	71.5	68	W16x0.8	130216-000	TDA30548016	2.3
40	1~13 ER20	35	3000	1:1	95.5	56	86	W20x0.8	140222-000	TDAC40548020	3.1
50	1~16 ER25	42	3000	1:1	123	81.5	96	W24x1.25	150216-000	TDA50548025	5.7
60	2~20 ER32	50	3000	1:1	158.5	88.5	116	W30x1.25	160216-000	TDA60548032	9.3

ANGULAR HEAD 萬向鑽銑刀座



Other shank dimensions under development

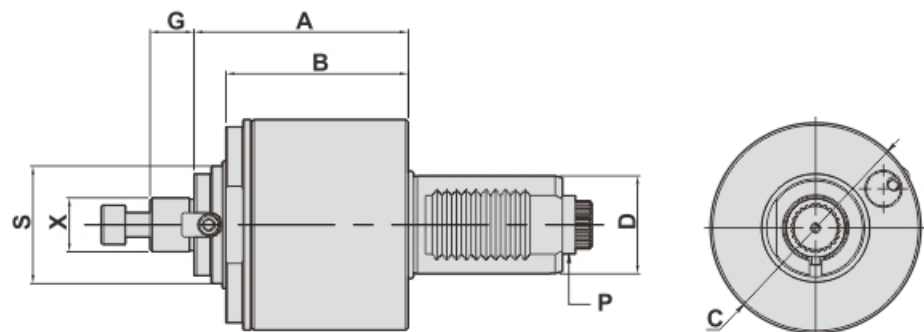
- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	Maximum R.P.M	S	A	B	C	E	F	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1~13 ER20	4000	35	±90°	64	59	54	32	27	67	W16x0.8	130215-000	DA30548020B	3.1
40	1~16 ER25	4000	42	±90°	76	65	65	38	29	70	W20x0.8	140215-000	DA40548025B	5.2
50	1~16 ER25	4000	42	±90°	90	80	76.5	45	32	85	W24x1.25	150215-000	DA50548025B	9.2
60	3~26 ER40	4000	63	±90°	108	99	92.5	55	38	97	W30x1.25	160215-000	DA60548040B	16.2

AXIAL SHELL END MILLING CUTTERS 軸向銑削刀座 (0°)

- To be used for cutter arbor according to DIN6358
- External coolant and intermediate rings supply.



DIMENSIONS

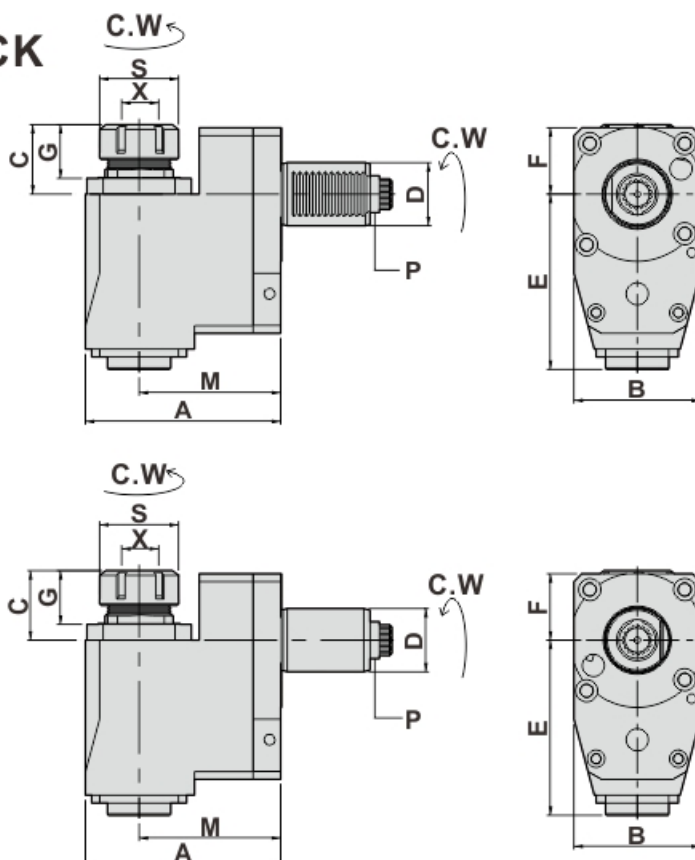
D DIN 69880	X DIN 6358	Maximum R.P.M	S	A	B	C	G	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	16	3000	32	85.5	71.5	68	17	W16x0.8	130206-000	DA30548016C	2.3
40	16	3000	32	69	56	86	17	W20x0.8	140231-000	DAC40548016C	3
40	22	3000	48	69	56	86	18	W20x0.8	140232-000	DAC40548022C	3.2

RADIAL DRILLING AND MILLING HEADS-SET BACK

徑向鑽銑刀座-後縮型
OFFSET (90°)

MODE : BL
LEFT-HAND

MODE : BR
RIGHT-HAND



- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	E	F	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
20	1-10 ER16	30	5000	1:1	88	50	37	70	27	28.5	65	W11x0.8	220201-000	BR2054801665	2.4
													220221-000	BL2054801665	
30	1-16 ER25	42	5000	1:1	95	60	41.5	75.5	31.5	28.5	72	W16x0.8	230201-000	BR3054802572	3.6
													230221-000	BL3054802572	
40	2-20 ER32	50	5000	1:1	124	80	44	110	42	34	90	W20x0.8	240201-000	BR4054803290	8.3
													240221-000	BL4054803290	
50	3-26 ER40	63	5000	1:1	129	86	49	112	42	39	90	W24x1.25	250201-000	BR5054804090	10
													250221-000	BL5054804090	

RADIAL TAPPING HEADS

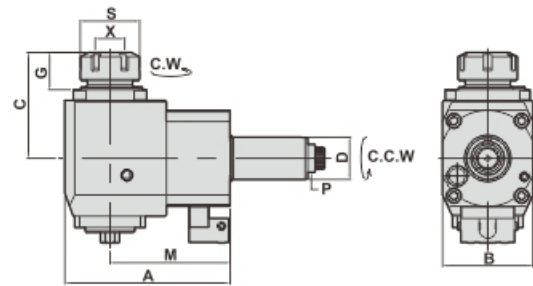
徑向彈性攻牙刀座-後縮型 (90°)

DIMENSIONS

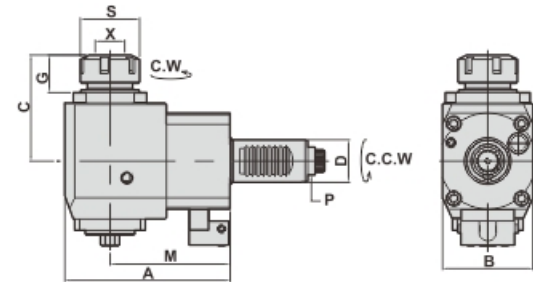
D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	E	F	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
20	1-10 ER16	30	3000	1:1	88	50	72.5	70	27	64.5	65	W11x0.8	220202-000	TBR2054801665	2.5
													220222-000	TBL2054801665	
30	1-10 ER16	30	3000	1:1	95	60	44	75.5	31.5	32	72	W16x0.8	230205-000	TBR3054801672	3.6
													230225-000	TBL3054801672	
40	1-13 ER20	35	3000	1:1	124	80	59.5	110	42	49.5	90	W20x0.8	240205-000	TBR4054802090	8.5
													240225-000	TBL4054802090	

RADIAL DRILLING AND MILLING HEADS 徑向鑽銑刀座 (90°)

MODE : FL
LEFT-HAND



MODE : FR
RIGHT-HAND



- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
20	1-10 ER16	30	5000	1:1	72	50	65	26.5	50	W11x0.8	220241-000	FR2054801650	1.8
											220261-000	FL2054801650	
30	1-16 ER25	42	5000	1:1	97	64	74.5	26	55	W16x0.8	230241-000	FR3054802555	4
											230261-000	FL3054802555	
30	1-16 ER25	42	5000	1:1	117	64	74.5	26	85	W16x0.8	230248-000	FR3054802585	4.6
											230268-000	FL3054802585	
30	1-16 ER25	42	5000	1:1	127	64	74.5	26	100	W16x0.8	230249-000	FR30548025100	5.1
											230269-000	FL30548025100	
40	2-20 ER32	50	5000	1:1	99	80	80	29	65	W20x0.8	240241-000	FR4054803265	6
											240261-000	FL4054803265	
40	2-20 ER32	50	5000	1:1	119	80	80	29	85	W20x0.8	240248-000	FR4054803285	7
											240268-000	FL4054803285	
40	2-20 ER32	50	5000	1:1	134	80	80	29	100	W20x0.8	240249-000	FR40548032100	7.6
											240269-000	FL40548032100	
40	2-20 ER32	50	5000	1:1	154	80	80	29	120	W20x0.8	240255-000	FR40548032120	8.3
											240272-000	FL40548032120	

RADIAL TAPPING HEADS 徑向彈性攻牙刀座 (90°)

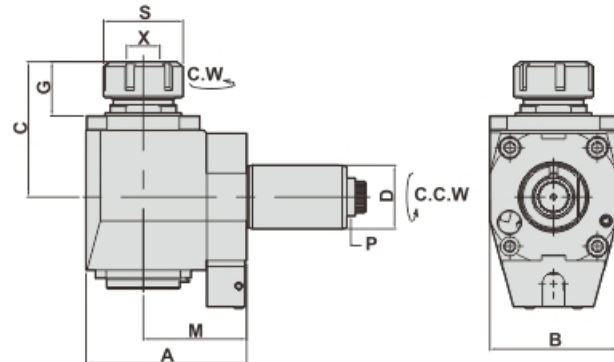
DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-10 ER16	30	3000	1:1	97	64	75	30	55	W16x0.8	230245-000	TFR3054801655	4.1
											230265-000	TFL3054801655	
30	1-10 ER16	30	3000	1:1	117	64	75	30	85	W16x0.8	230250-000	TFR3054801685	4.7
											230270-000	TFL3054801685	
30	1-10 ER16	30	3000	1:1	127	64	75	30	100	W16x0.8	230251-000	TFR30548016100	5.2
											230271-000	TFL30548016100	
40	1-13 ER20	35	3000	1:1	99	80	93.5	25	65	W20x0.8	240245-000	TFR4054802065	6.1
											240265-000	TFL4054802065	
40	1-13 ER20	35	3000	1:1	119	80	93.5	25	85	W20x0.8	240250-000	TFR4054802085	7.1
											240270-000	TFL4054802085	
40	1-13 ER20	35	3000	1:1	134	80	93.5	25	100	W20x0.8	240251-000	TFR40548020100	7.7
											240271-000	TFL40548020100	

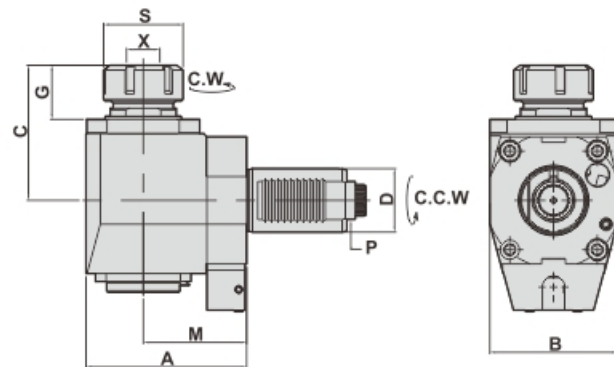
RADIAL DRILLING AND MILLING HEADS

徑向鑽銑刀座 (90°)

MODE : FR
RIGHT-HAND



MODE : FL
LEFT-HAND



- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
40	2-20 ER32	50	5000	1:1	99	80	85	34	65	W20x0.8	240281-000	NFR4054803265	6
											2402101000	NFL4054803265	
40	2-20 ER32	50	5000	1:1	119	80	85	34	85	W20x0.8	240288-000	NFR4054803285	7
											2402108000	NFL4054803285	
40	2-20 ER32	50	5000	1:1	134	80	85	34	100	W20x0.8	240289-000	NFR40548032100	7.6
											2402109000	NFL40548032100	
50	3-26 ER40	63	5000	1:1	115	88	102	35	75	W24x1.25	250288-000	NFR5054804075	9.8
											2502108000	NFL5054804075	
50	3-26 ER40	63	5000	1:1	140	88	102	35	100	W24x1.25	250289-000	NFR50548040100	11.7
											2502109000	NFL50548040100	
60	10-34 ER50	78	5000	1:1	156	104	139	56.5	106	W30x1.25	260281-000	NFR60548050106	18.1
											2602101000	NFL60548050106	

RADIAL TAPPING HEADS

徑向彈性攻牙刀座 (90°)

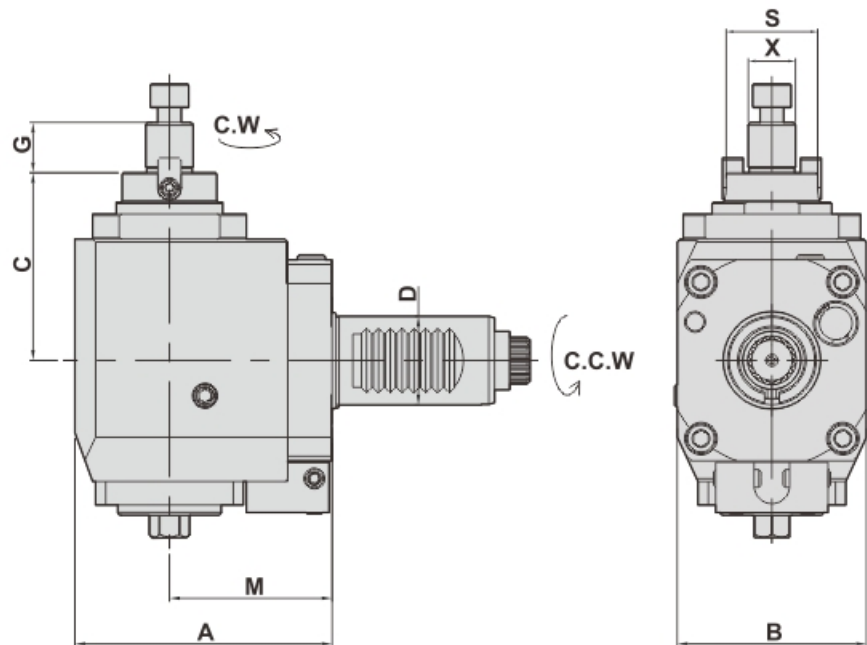
DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
40	1-13 ER20	35	3000	1:1	99	80	105	25	65	W20x0.8	240285-000	NTFR4054802065	6.1
											2402105000	NTFL4054802065	
40	1-13 ER20	35	3000	1:1	119	80	105	25	85	W20x0.8	240290-000	NTFR4054802085	7.1
											2402110000	NTFL4054802085	
40	1-13 ER20	35	3000	1:1	134	80	105	25	100	W20x0.8	240291-000	NTFR40548020100	7.7
											2402111000	NTFL40548020100	
50	1-16 ER25	42	3000	1:1	140	100	118	51	100	W24x1.25	250251-000	NTFR50548025100	11.8
											250271-000	NTFL50548025100	

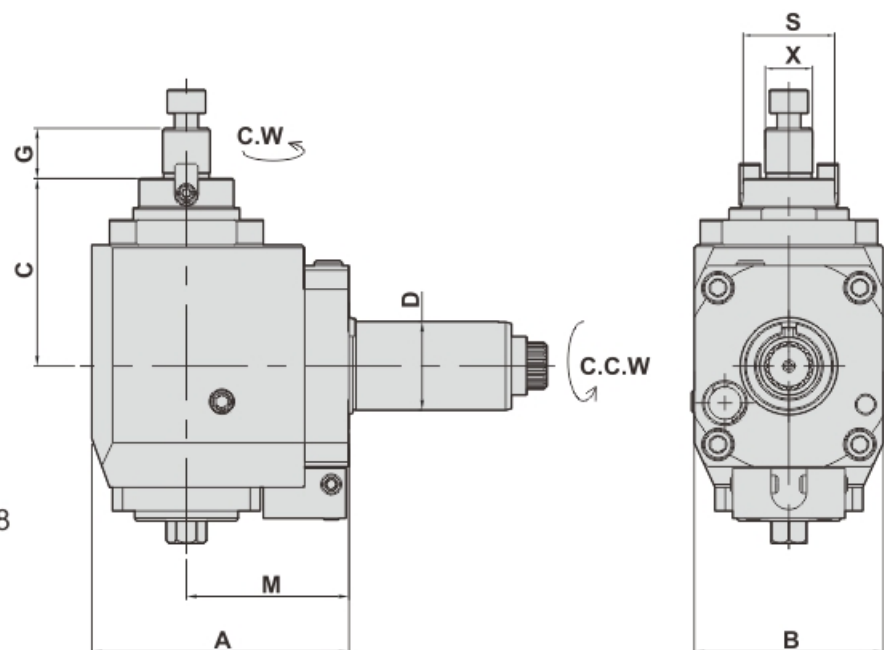
RADIAL SHELL END MILLING CUTTERS

徑向銑削刀座 (90°)

MODE : FL
LEFT-HAND



MODE : FR
RIGHT-HAND



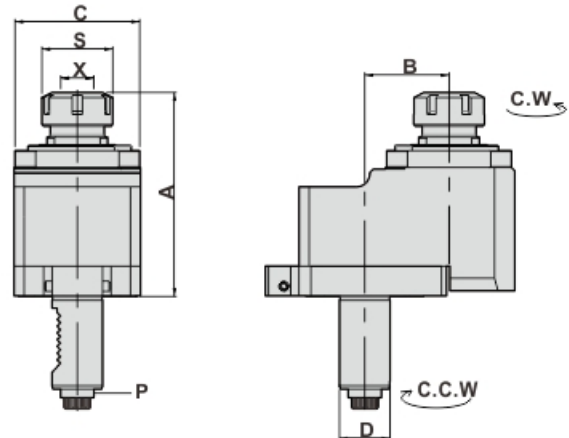
- To be used for collet DIN 6358
- External coolant and intermediate rings supply

DIMENSIONS

D DIN 69880	X DIN 6358	Maximum R.P.M	S	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	16	5000	32	1:1	87	64	63.5	17	55	W16x0.8	230244-000	FR30548016C55	3.8
											230264-000	FL30548016C55	

AXIAL DRILLING AND MILLING HEADS OFFSET - 軸向偏心鑽銑刀座 (0°)

- To be used for collet DIN 6499
- External coolant supply
- Collet is not included



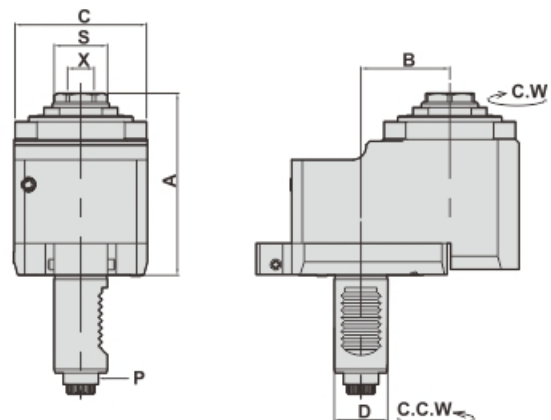
DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-16 ER25	42	4000	1:1	100	29	60	W16x0.8	130208-000	Da3054802529	2.8
*30	1-16 ER25	42	8000	1:2	100	29	60	W16x0.8	130211-000	DA3054802529/1	2.8
30	1-16 ER25	42	4000	1:1	108	35	60	W16x0.8	130229-000	DA3054802535	3.2
30	1-16 ER25	42	4000	1:1	100	50	75	W16x0.8	130209-000	DA3054802550	4.8
*30	1-16 ER25	42	8000	1:2	106	50	75	W16x0.8	130212-000	DA3054802550/1	4.8
40	2-20 ER32	50	4000	1:1	125	50	75	W20x0.8	140208-000	DA4054803250	6
50	3-26 ER40	63	4000	1:1	123	65	86	W24x1.25	150208-000	DA5054804065	8.6

*2倍增速

AXIAL DRILLING AND MILLING HEADS OFFSET - 軸向偏心鑽銑刀座 (0°)

- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

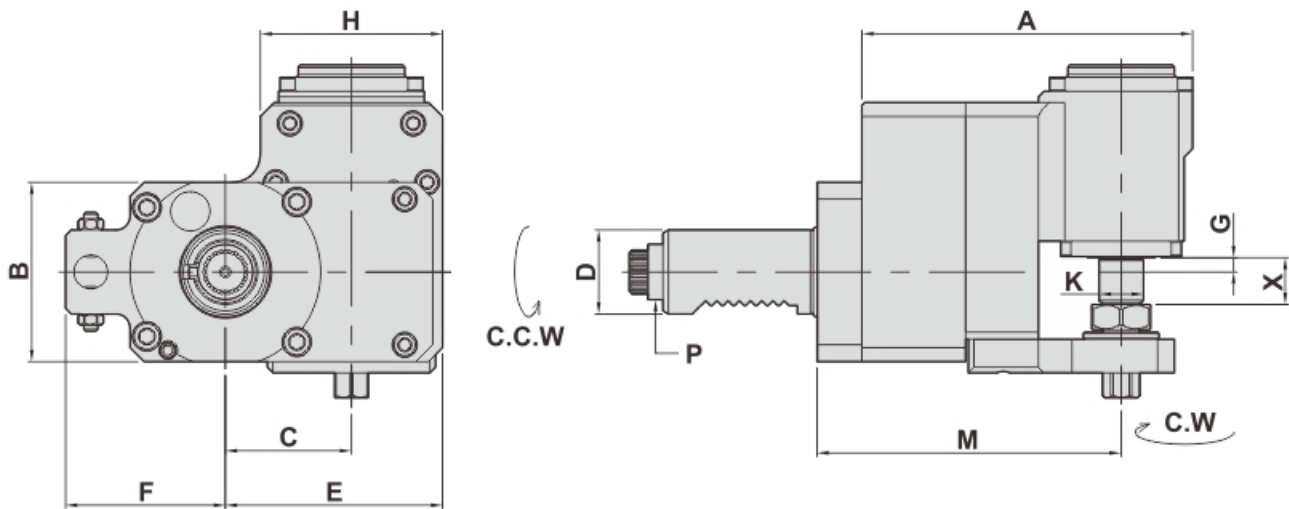


DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-16 ER25	30	4000	1:1	102.5	50	75	W16x0.8	130226-000	DA30548025A50-L	5.5
*40	1-16 ER25	30	4000	1:1	105	50	78	W20x0.8	140237-000	DA40548025A50I-L	6.2
40	2-20 ER32	30	4000	1:1	111	50	75	W20x0.8	140238-000	DA40548032A50-L	5.9

*2倍增速

RADIAL DRILLING AND MILLING HEADS DISK CUTTER UNITS 徑向側銑刀座 (90°)



- External coolant supply

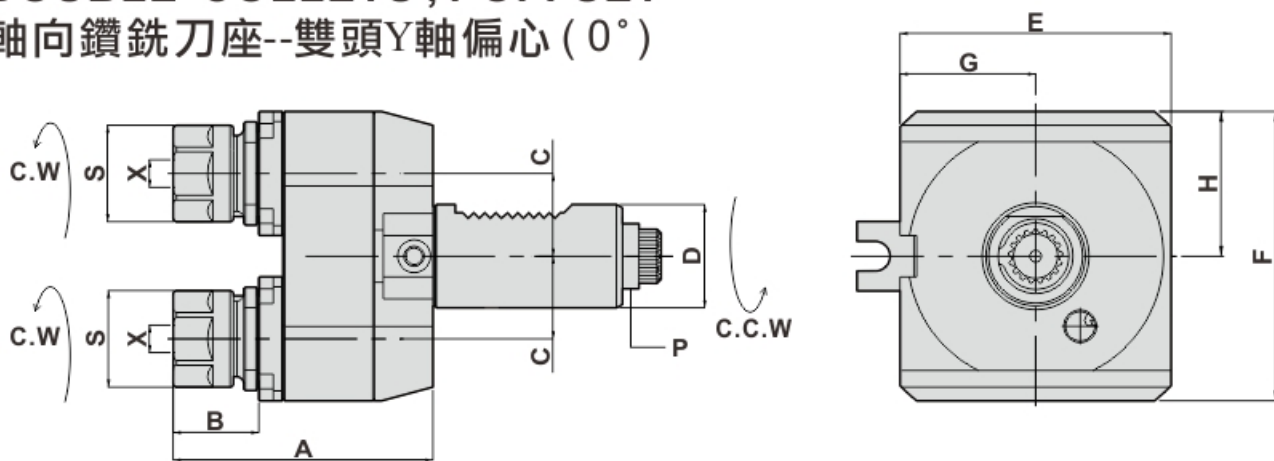
DIMENSIONS

D DIN 69880	X Capacity	Maximum R.P.M	i	A	B	C	E	F	G	H	K	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	16	3000	3:1	133	64	45	77.5	49	5	65	16	108.5	W16x0.8	230207-000	BR30548016C/3	5.7
														230227-000	BL30548016C/3	
30	16	3000	3:1	133	64	45	77.5	49	5	65	25.4	108.5	W16x0.8	230209-000	BR30548025.4C/3	6
														230229-000	BL30548025.4C/3	
40	16	3000	3:1	136	70	45	77.5	75	5	65	16	110.5	W20x0.8	240207-000	BR40548016C/3	6.4
														240227-000	BL40548016C/3	
40	16	3000	3:1	136	70	45	77.5	75	5	65	25.4	110.5	W20x0.8	240209-000	BR40548025.4C/3	6.6
														240229-000	BL40548025.4C/3	

* i=3倍減速

Other shank dimensions under development

AXIAL DRILLING AND MILLING HEADS DOUBLE COLLETS, Y OFFSET 軸向鑽銑刀座--雙頭Y軸偏心 (0°)

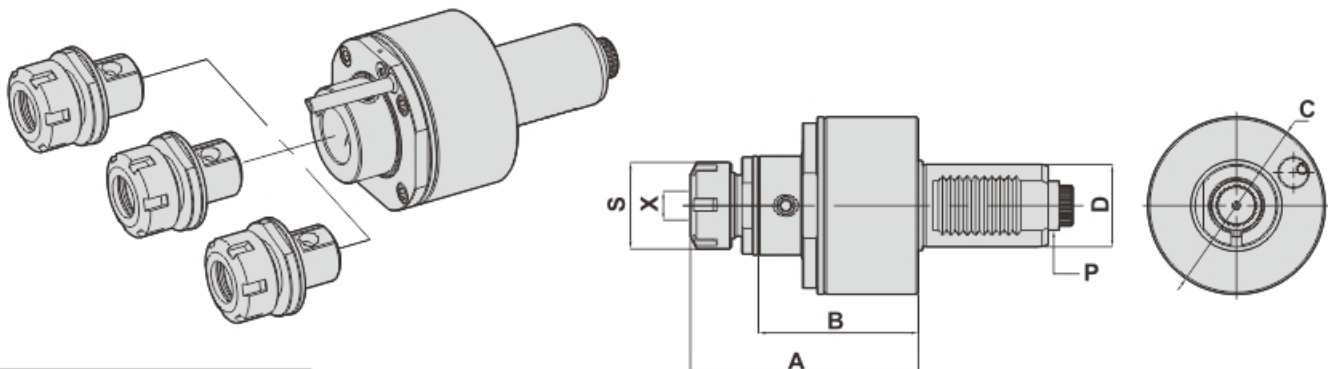


- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	Maximum R.P.M	S	A	B	C	E	F	G	H	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-10 ER16	4000	30	83	24.5	24	80	95	40	48	W16x0.8	130217-000	DA30548016DY	3.2
40	1-13 ER20	4000	35	98	28.5	29	80	104	40	52	W20x0.8	140217-000	DA40548020DY	4.5

AXIAL MILLING AND DRILLING HEADS Quick-change Clamping System 軸向快換鑽銑刀座 (0°)

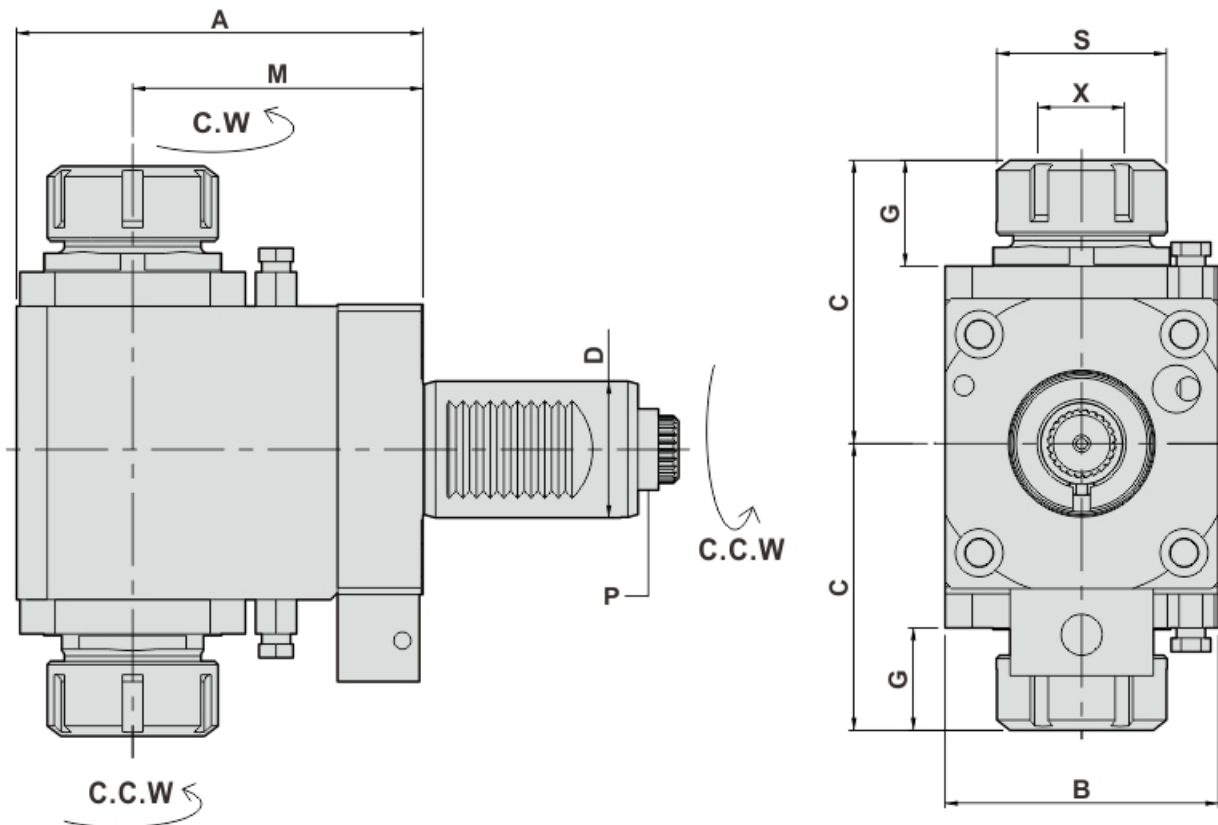


DIMENSIONS

D DIN 69880	X Capacity	Maximum R.P.M	S	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
40	1-16ER25	6000	40	110.5	77.5	86	W20x0.8	140239-000	DAC40548025-QF	3.3
40	2-20ER32	6000	40	129.5	77.5	86	W20x0.8	140236-000	DAC40548032-QF	3.6

RADIAL DRILLING AND MILLING HEADS DOUBLE HEADS

徑向雙頭鑽銑刀座 (90°)



- To be used for collet DIN 6499
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-16 ER25	42	4000	1:1	112	64	66	26.5	85	W16x0.8	230275-000	FL3054802585D	4.4
30	1-16 ER25	42	4000	1:1	127	64	66	26.5	100	W16x0.8	230276-000	FL30548025100D	4.8
40	2-20 ER32	50	4000	1:1	119	80	82	28	85	W20x0.8	240275-000	FL4054803285D	7.5
40	2-20 ER32	50	4000	1:1	134	80	82	28	100	W20x0.8	240276-000	FL40548032100D	8.2
40	2-20 ER32	50	4000	1:1	154	80	84	30	120	W20x0.8	240278-000	FL40548032120D	9.1

Other shank dimensions under development

RADIAL DRILLING AND MILLING HEADS

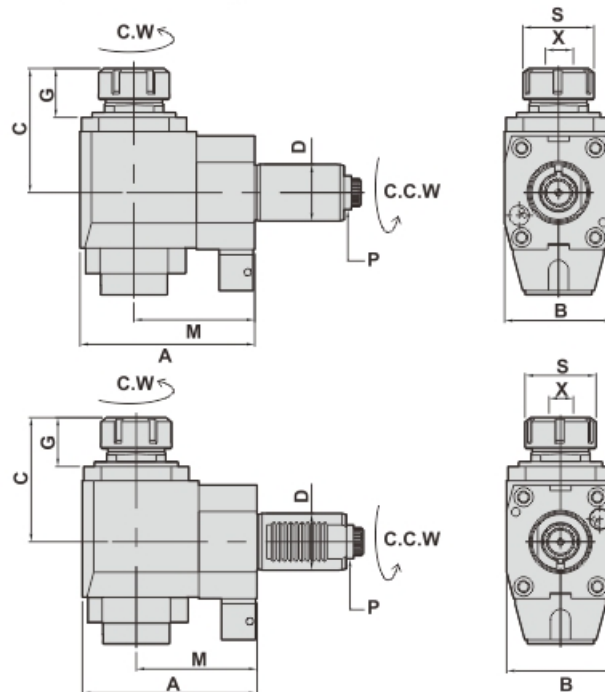
徑向鑽銑刀座 (90°)

MODE : FR
RIGHT-HAND

MODE : FL
LEFT-HAND

- To be used for collet DIN 6499
- Internal coolant supply: 50bar 中心出水
- External coolant supply
- Collet is not included

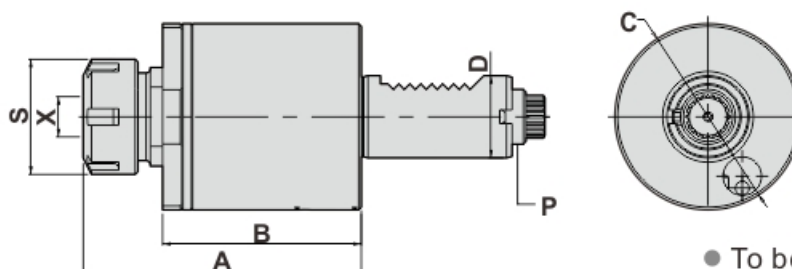
DIMENSIONS



D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
40	2-20 ER32	50	5000	1:1	103	76	89.5	36.5	65	W20x0.8	240246-000	CWFR4054803265	6.1
											240266-000	CWFL4054803265	
40	2-20 ER32	50	5000	1:1	123	76	89.5	36.5	85	W20x0.8	240254-000	CWFR4054803285	6.8
											240274-000	CWFL4054803285	
40	2-20 ER32	50	5000	1:1	138	76	89.5	36.5	100	W20x0.8	240257-000	CWFR40548032100	7.6
											240277-000	CWFL40548032100	

AXIAL MILLING AND DRILLING HEADS

軸向鑽銑刀座 (0°)



- To be used for collet DIN 6499
- Internal coolant supply: 15bar 中心出水
- External coolant supply
- Collet is not included

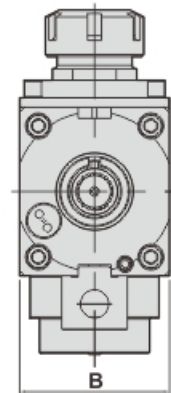
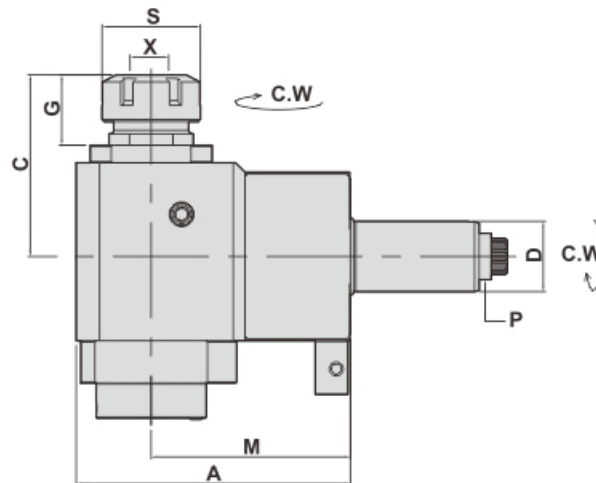
DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
20	1-10 ER16	30	5000	1:1	88.5	61	58	W11x0.8	120207-000	CWDA20548016	1.3
30	1-16 ER25	42	5000	1:1	102	72	68	W16x0.8	130207-000	CWDA30548025	2.3
40	2-20 ER32	50	5000	1:1	126	84.6	86	W20x0.8	140207-000	CWDA40548032	3.6
50	3-26 ER40	63	5000	1:1	136.5	94.5	96	W24x1.25	150207-000	CWDA50548040	6.4

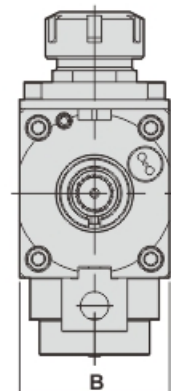
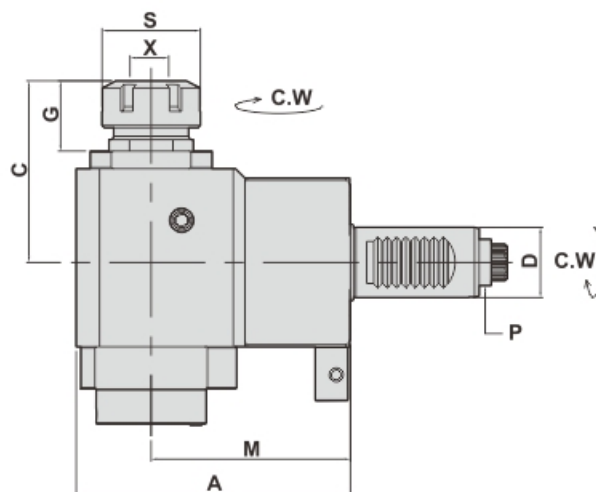
RADIAL MILLING AND DRILLING HEADS - FORWARD

徑向鑽銑刀座 (90°)

MODE : FR
RIGHT-HAND



MODE : FL
LEFT-HAND



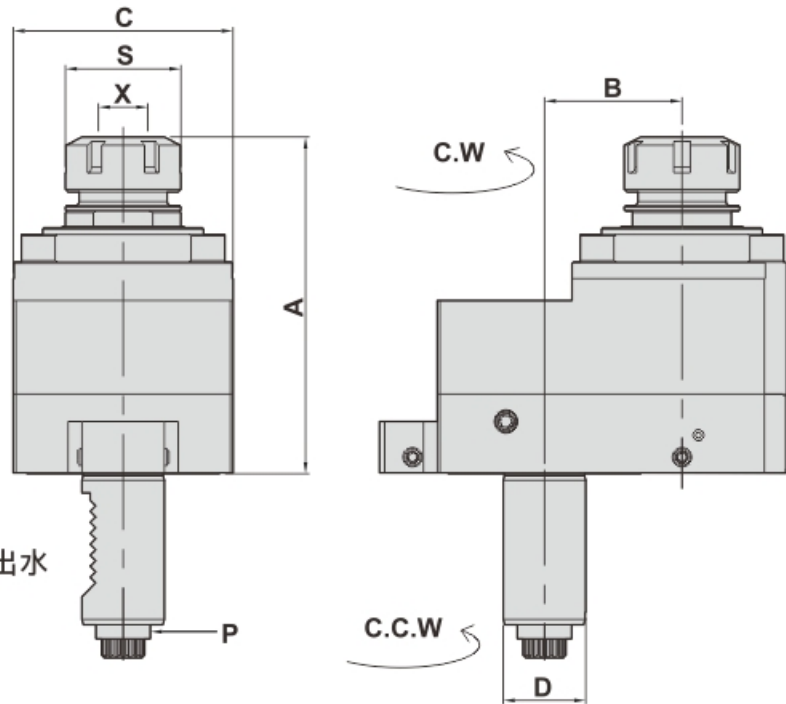
- To be used for collet DIN 6499
- Internal coolant supply: 50bar 中心出水
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-16 ER25	42	4000	1:1	87	64	77.5	30	55	W16x0.8	230286-000	CWNFR3054802555	3.9
											2302112000	CWNFL3054802555	
30	1-16 ER25	42	4000	1:1	117	64	77.5	30	85	W16x0.8	230294-000	CWNFR3054802585	5
											2302113000	CWNFL3054802585	
30	1-16 ER25	42	4000	1:1	132	64	77.5	30	100	W16x0.8	230295-000	CWNFR30548025100	5.6
											2302114000	CWNFL30548025100	
50	3-26 ER40	63	4000	1:1	123	88	115.5	49	75	W24x1.25	250286-000	CWNFR5054804075	12.3
											2502106000	CWNFL5054804075	

AXIAL DRILLING AND MILLING HEADS OFFSET

軸向偏心鑽銑刀座 (0°)



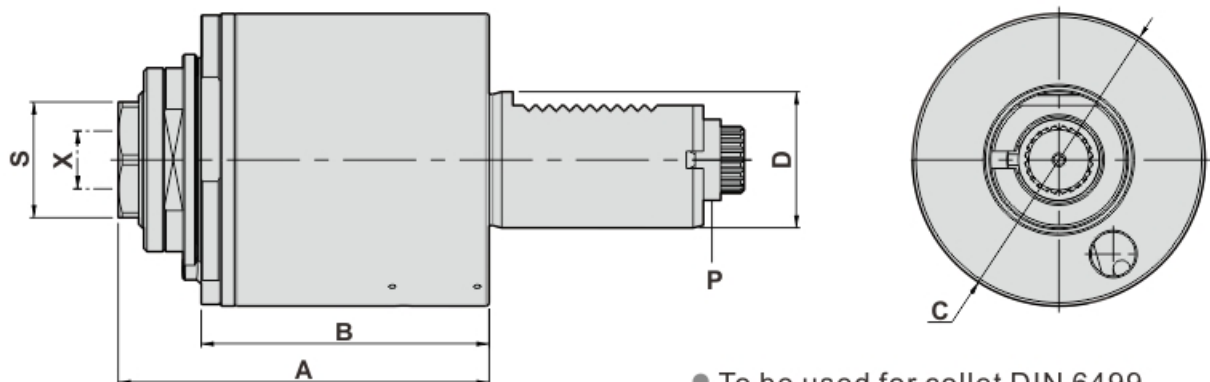
- To be used for collet DIN 6499
- Internal coolant supply :30bar 中心出水
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-16 ER25	42	4000	1:1	122.5	50	80	W16x0.8	130214-000	CWDA3054802550	3.6
50	3-26 ER40	63	4000	1:1	140.5	65	90	W24x1.25	150213-000	CWDA5054804065	10.5

AXIAL DRILLING AND MILLING HEADS

軸向鑽銑刀座 (0°)



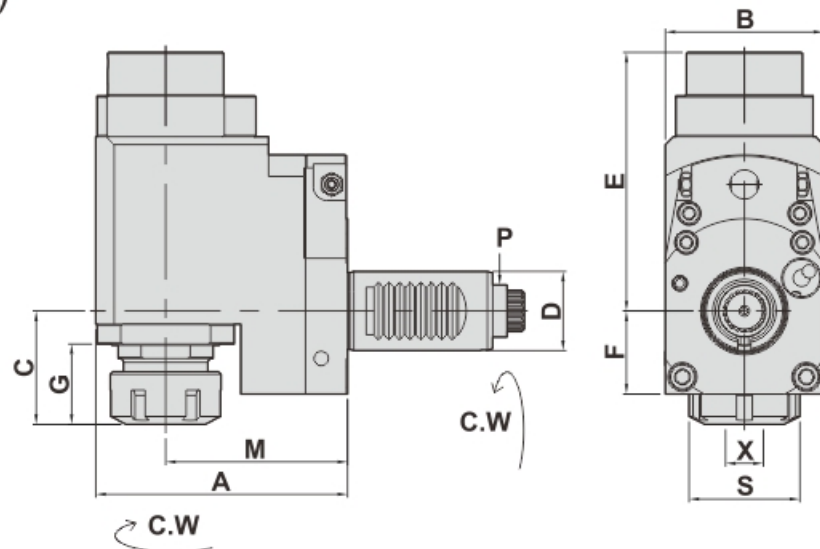
- To be used for collet DIN 6499
- Internal coolant supply:15bar 中心出水
- External coolant supply
- Collet is not included

DIMENSIONS

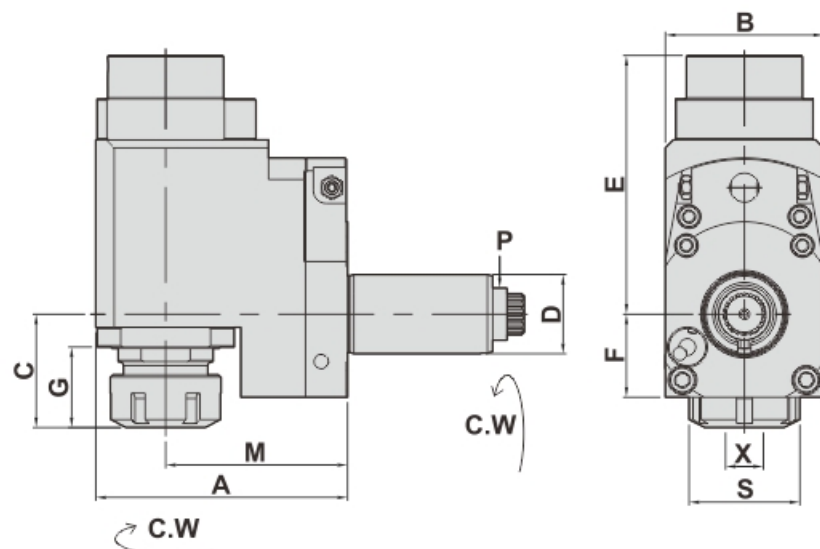
D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	P DIN 5480	Code No.	Order No.	(Kg) Weight
40	2-20 ER32	38	6000	1:1	109	85	86	W16x0.8	140220-000	CWDA40548032A	4.3

RADIAL MILLING AND DRILLING HEADS OFFSET-後縮型 (90°)

MODE : BR
RIGHT-HAND



MODE : BL
LEFT-HAND



- To be used for collet DIN 6499
- Internal coolant supply: 50bar 中心出水
- External coolant supply
- Collet is not included

DIMENSIONS

D DIN 69880	X Capacity	S	Maximum R.P.M	i	A	B	C	E	F	G	M	P DIN 5480	Code No.	Order No.	(Kg) Weight
30	1-16 ER25	42	5000	1:1	96	60	43	98	31.5	30.5	72	W16x0.8	230206-000	CWBR3054802572	4.1
40	2-20 ER32	50	5000	1:1	128	80	47	130	42	36	90	W20x0.8	240206-000	CWBR4054803290	9.7
													240226-000	CWBL4054803290	
50	3-26 ER40	63	5000	1:1	129	86	48.5	133	42	38.5	90	W24x1.25	250206-000	CWBR5054804090	12.4
													250226-000	CWBL5054804090	