

Hydraulic Rotary Cylinders

Vérins Hydrauliques Rotatifs

Hydraulische Schwenkzylinder



SERIE HSR

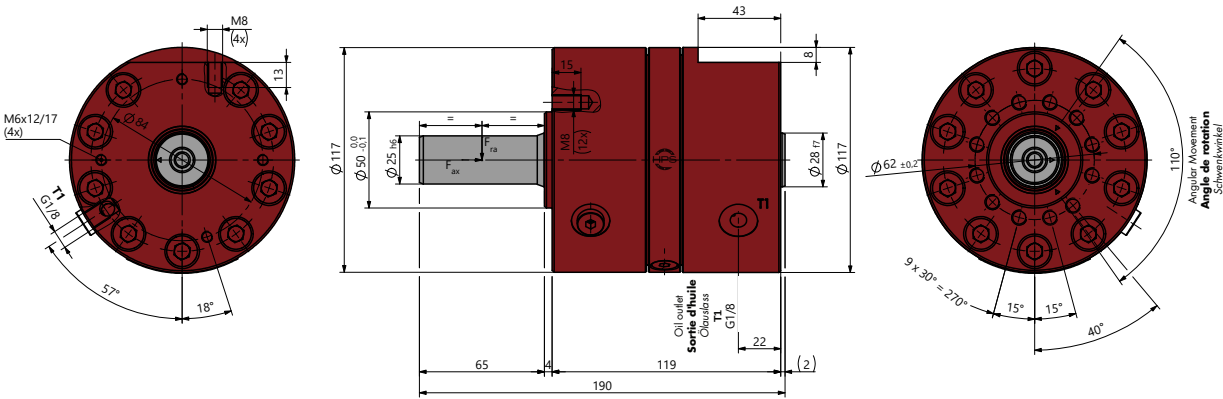
High-Speed Rotary Actuator / **Actionneur Rotatif Haute Vitesse**
Hochgeschwindigkeits-Schwenkantrieb

Working Pressure / **Pression de Service** / Betriebsdruck: 210 bar

Rotation Angle / **Angle de Rotation** / Schwenkwinkel: 110°



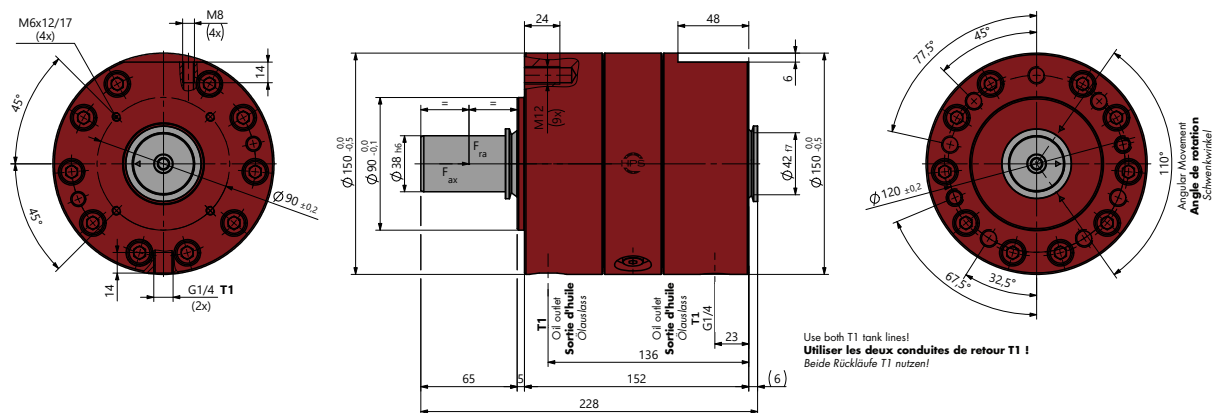
HSR 11



Characteristics Caractéristiques <i>Technische Daten</i>	HSR 11
Max. Operating Pressure [bar] Pression de service max. [bar] <i>max. Betriebsdruck [bar]</i>	210
Torque [Nm/bar] Couple [Nm/bar] <i>Drehmoment [Nm/bar]</i>	1,89
Max. Torque [Nm] Couple max. [Nm] <i>max. Drehmoment [Nm]</i>	396
Angular Movement [°] Angle de rotation [°] <i>Schwenkwinkel [°]</i>	110
Min. Angular Movement [°] Angle de rotation min. [°] <i>Mindestschwenkwinkel [°]</i>	2
Filling Capacity [l] Capacité de remplissage [l] <i>Füllmenge [l]</i>	0,04
Speed of Rotation [°/sec] Vitesse de rotation [°/s] <i>Drehgeschwindigkeit [°/sec]</i>	1 300
Weight [kg] Poids [kg] <i>Gewicht [kg]</i>	8,4
max. F_{ra} [N] Force radiale max. F_{ra} [N] <i>max. F_{ra} [N]</i>	2 500
max. F_{ax} [N] Force axiale max. F_{ax} [N] <i>max. F_{ax} [N]</i>	0

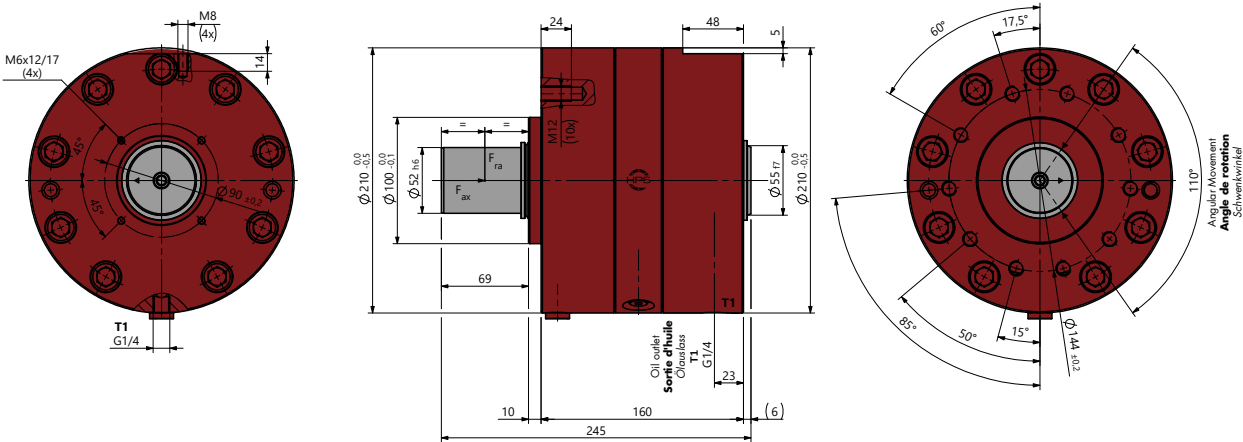


HSR 12

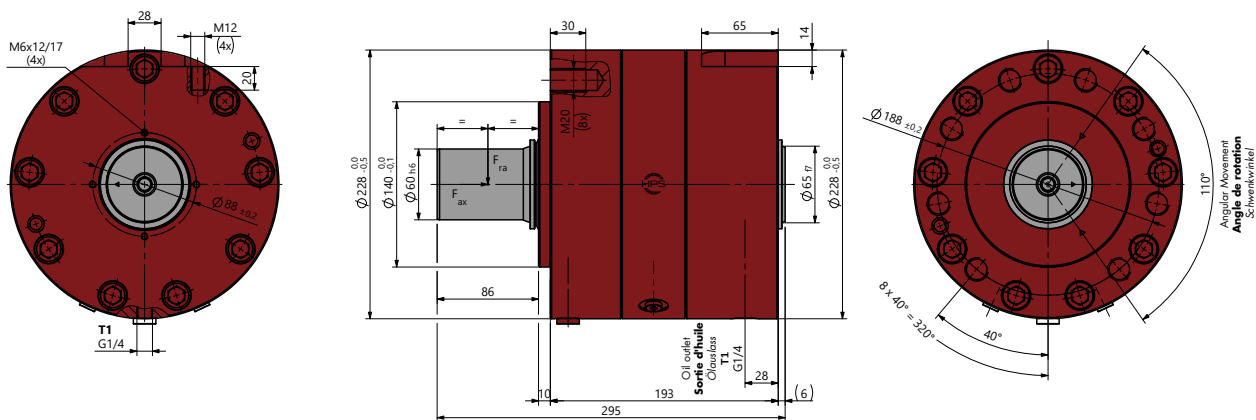


Characteristics Caractéristiques Technische Daten	HSR 12
Max. Operating Pressure [bar] Pression de service max. [bar] max. Betriebsdruck [bar]	210
Torque [Nm/bar] Couple [Nm/bar] Drehmoment [Nm/bar]	6,73
Max. Torque [Nm] Couple max. [Nm] max. Drehmoment [Nm]	1 413
Angular Movement [°] Angle de rotation [°] Schwenkwinkel [°]	110
Min. Angular Movement [°] Angle de rotation min. [°] Mindestschwenkwinkel [°]	2
Filling Capacity [l] Capacité de remplissage [l] Füllmenge [l]	0,14
Speed of Rotation [°/sec] Vitesse de rotation [°/s] Drehgeschwindigkeit [°/sec]	800
Weight [kg] Poids [kg] Gewicht [kg]	20,3
max. F_{ra} [N] Force radiale max. F_{ra} [N] max. F_{ra} [N]	2 500
max. F_{ax} [N] Force axiale max. F_{ax} [N] max. F_{ax} [N]	0

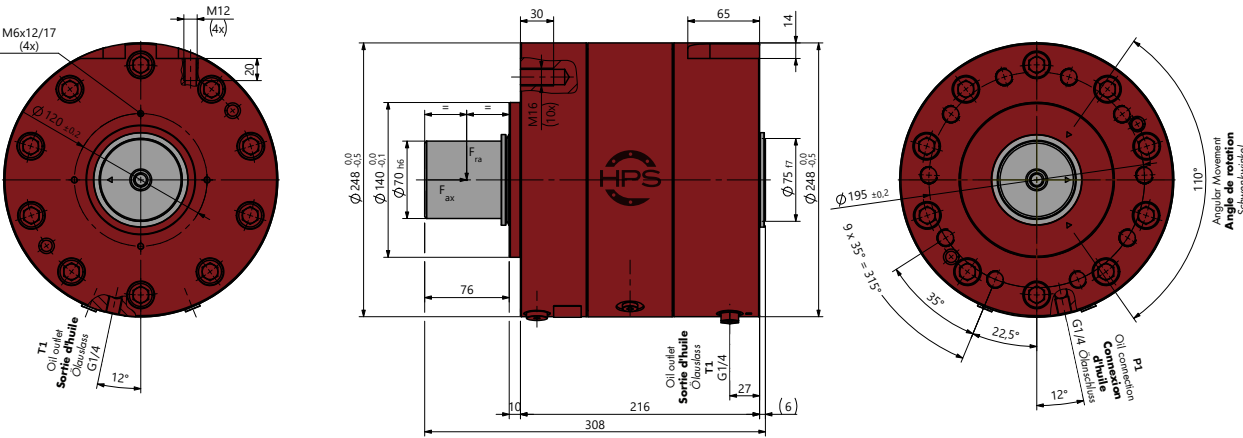
HSR 13



Characteristics Caractéristiques <i>Technische Daten</i>	HSR 13
Max. Operating Pressure [bar] Pression de service max. [bar] <i>max. Betriebsdruck [bar]</i>	210
Torque [Nm/bar] Couple [Nm/bar] <i>Drehmoment [Nm/bar]</i>	12,31
Max. Torque [Nm] Couple max. [Nm] <i>max. Drehmoment [Nm]</i>	2 585
Angular Movement [°] Angle de rotation [°] <i>Schwenkwinkel [°]</i>	110
Min. Angular Movement [°] Angle de rotation min. [°] <i>Mindestschwenkwinkel [°]</i>	2
Filling Capacity [l] Capacité de remplissage [l] <i>Füllmenge [l]</i>	0,26
Speed of Rotation [°/sec] Vitesse de rotation [°/s] <i>Drehgeschwindigkeit [°/sec]</i>	560
Weight [kg] Poids [kg] <i>Gewicht [kg]</i>	38,2
max. F _{ra} [N] Force radiale max. F_{ra} [N] <i>max. F_{ra} [N]</i>	2 500
max. F _{ax} [N] Force axiale max. F_{ax} [N] <i>max. F_{ax} [N]</i>	0



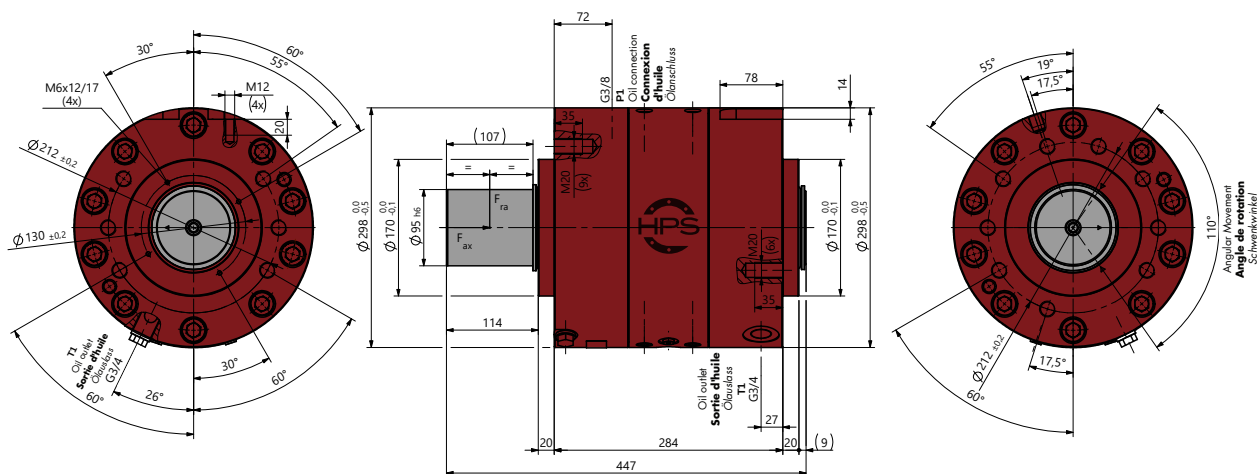
HSR 15



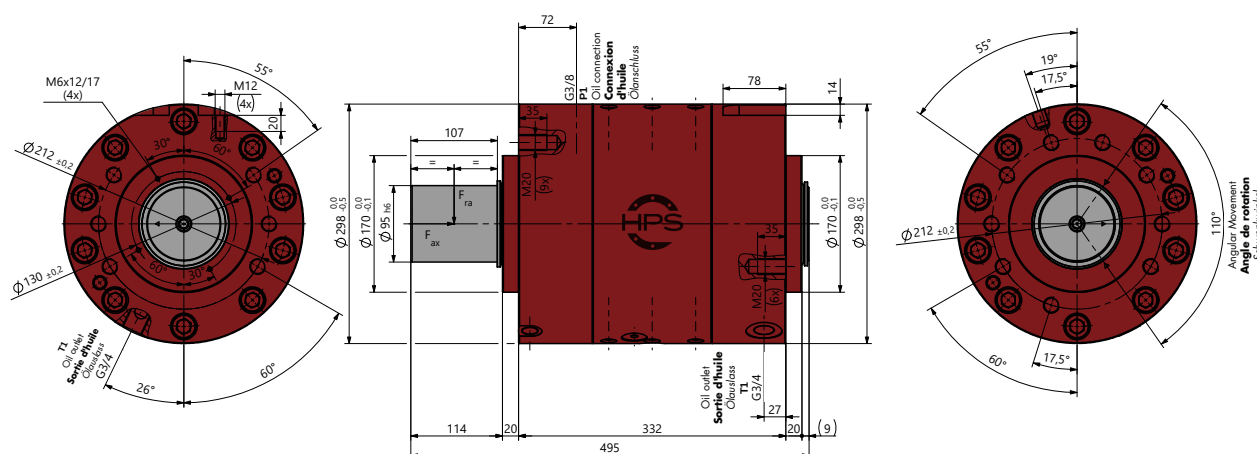
Characteristics Caractéristiques <i>Technische Daten</i>	HSR 15
Max. Operating Pressure [bar] Pression de service max. [bar] <i>max. Betriebsdruck [bar]</i>	210
Torque [Nm/bar] Couple [Nm/bar] <i>Drehmoment [Nm/bar]</i>	33,93
Max. Torque [Nm] Couple max. [Nm] <i>max. Drehmoment [Nm]</i>	7 125
Angular Movement [°] Angle de rotation [°] <i>Schwenkwinkel [°]</i>	110
Min. Angular Movement [l] Angle de rotation min. [l] <i>Mindestschwenkwinkel [l]</i>	2
Filling Capacity [l] Capacité de remplissage [l] <i>Füllmenge [l]</i>	0,7
Speed of Rotation [°/sec] Vitesse de rotation [°/s] <i>Drehgeschwindigkeit [°/sec]</i>	460
Weight [kg] Poids [kg] <i>Gewicht [kg]</i>	72,3
max. F _{ra} [N] Force radiale max. F_{ra} [N] <i>max. F_{ra} [N]</i>	2 500
max. F _{ax} [N] Force axiale max. F_{ax} [N] <i>max. F_{ax} [N]</i>	0



HSR 16



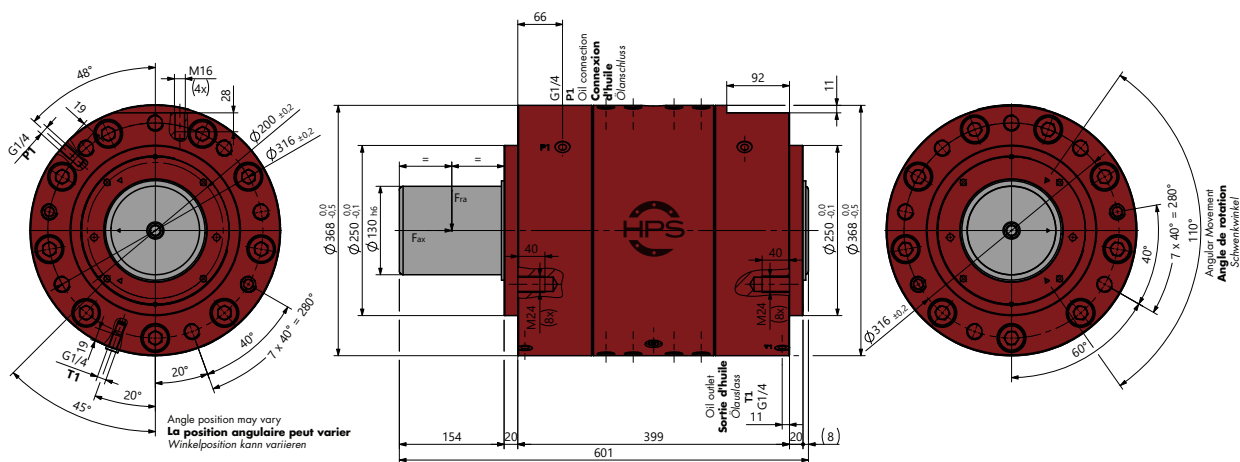
Characteristics Caractéristiques Technische Daten	HSR 16
Max. Operating Pressure [bar] Pression de service max. [bar] max. Betriebsdruck [bar]	210
Torque [Nm/bar] Couple [Nm/bar] Drehmoment [Nm/bar]	67,22
Max. Torque [Nm] Couple max. [Nm] max. Drehmoment [Nm]	14 116
Angular Movement [°] Angle de rotation [°] Schwenkwinkel [°]	110
Min. Angular Movement [°] Angle de rotation min. [°] Mindestschwenkwinkel [°]	2
Filling Capacity [l] Capacité de remplissage [l] Füllmenge [l]	1,43
Speed of Rotation [°/sec] Vitesse de rotation [°/s] Drehgeschwindigkeit [°/sec]	400
Weight [kg] Poids [kg] Gewicht [kg]	141,9
max. F_{ra} [N] Force radiale max. F_{ra} [N] max. F_{ra} [N]	2 500
max. F_{ax} [N] Force axiale max. F_{ax} [N] max. F_{ax} [N]	0



Characteristics Caractéristiques <i>Technische Daten</i>	HSR 17
Max. Operating Pressure [bar] Pression de service max. [bar] <i>max. Betriebsdruck [bar]</i>	210
Torque [Nm/bar] Couple [Nm/bar] <i>Drehmoment [Nm/bar]</i>	96,03
Max. Torque [Nm] Couple max. [Nm] <i>max. Drehmoment [Nm]</i>	20 167
Angular Movement [°] Angle de rotation [°] <i>Schwenkwinkel [°]</i>	110
Min. Angular Movement [l] Angle de rotation min. [l] <i>Mindestschwenkwinkel [l]</i>	2
Filling Capacity [l] Capacité de remplissage [l] <i>Füllmenge [l]</i>	2,05
Speed of Rotation [°/sec] Vitesse de rotation [°/s] <i>Drehgeschwindigkeit [°/sec]</i>	360
Weight [kg] Poids [kg] <i>Gewicht [kg]</i>	161,9
max. F _{ra} [N] Force radiale max. F_{ra} [N] <i>max. F_{ra} [N]</i>	2 500
max. F _{ax} [N] Force axiale max. F_{ax} [N] <i>max. F_{ax} [N]</i>	0

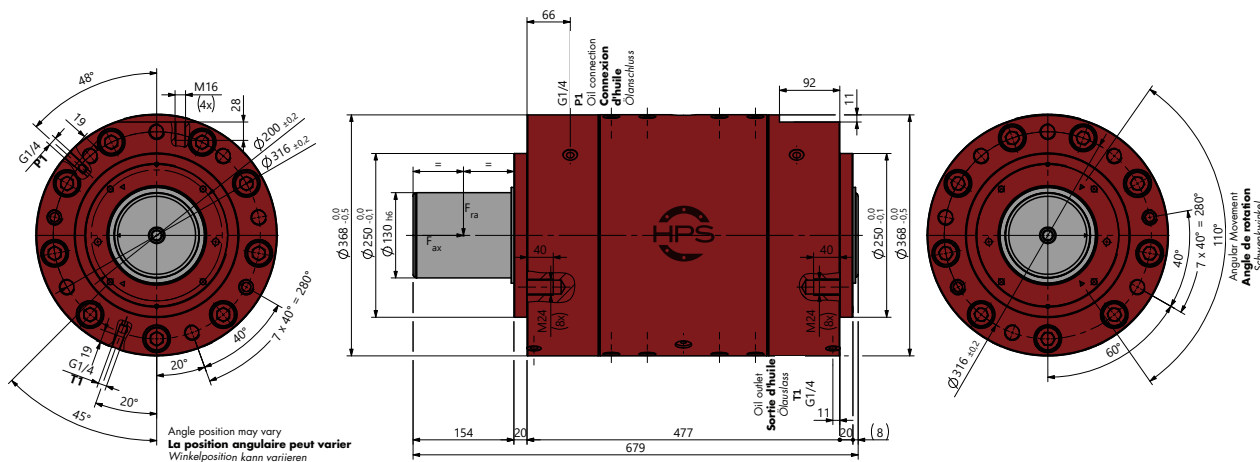


HSR 18



Characteristics Caractéristiques Technische Daten	HSR 18
Max. Operating Pressure [bar] Pression de service max. [bar] max. Betriebsdruck [bar]	210
Torque [Nm/bar] Couple [Nm/bar] Drehmoment [Nm/bar]	168
Max. Torque [Nm] Couple max. [Nm] max. Drehmoment [Nm]	35 280
Angular Movement [°] Angle de rotation [°] Schwenkwinkel [°]	110
Min. Angular Movement [°] Angle de rotation min. [°] Mindestdrehwinkel [°]	2
Filling Capacity [l] Capacité de remplissage [l] Füllmenge [l]	3,58
Speed of Rotation [°/sec] Vitesse de rotation [°/s] Drehgeschwindigkeit [°/sec]	300
Weight [kg] Poids [kg] Gewicht [kg]	316,3
max. F_{ra} [N] Force radiale max. F_{ra} [N] max. F_{ra} [N]	2 500
max. F_{ax} [N] Force axiale max. F_{ax} [N] max. F_{ax} [N]	0

HSR 19



Characteristics Caractéristiques <i>Technische Daten</i>	HSR 19
Max. Operating Pressure [bar] Pression de service max. [bar] <i>max. Betriebsdruck [bar]</i>	210
Torque [Nm/bar] Couple [Nm/bar] <i>Drehmoment [Nm/bar]</i>	234,53
Max. Torque [Nm] Couple max. [Nm] <i>max. Drehmoment [Nm]</i>	49 251
Angular Movement [°] Angle de rotation [°] <i>Schwenkwinkel [°]</i>	110
Min. Angular Movement [°] Angle de rotation min. [°] <i>Mindestschwenkwinkel [°]</i>	2
Filling Capacity [l] Capacité de remplissage [l] <i>Füllmenge [l]</i>	5
Speed of Rotation [°/sec] Vitesse de rotation [°/s] <i>Drehgeschwindigkeit [°/sec]</i>	300
Weight [kg] Poids [kg] <i>Gewicht [kg]</i>	366,3
max. F_{ra} [N] Force radiale max. F_{ra} [N] <i>max. F_{ra} [N]</i>	2 500
max. F_{ax} [N] Force axiale max. F_{ax} [N] <i>max. F_{ax} [N]</i>	0

HOW TO ORDER / **COMMENT COMMANDER** /
REFERENZANGABE

Serie / Série / Serie	Cylinder / Vérin / Zylinder	HSR
Type / Type / Typ	11, 12, 13, 14, 15, 16, 17, 18, 19 HSR20: Consult us / Nous consulter / Auf Anfrage	***

Available Options (on request) / **Options disponibles (sur demande)** / Verfügbare Optionen (auf Anfrage):

- Hydraulic manifold / **Bloc hydraulique** / Hydraulikblock
- Rotary encoder / **Codeur rotatif** / Drehgeber
- Measuring connection / **Prise de mesure** / Messanschluss
- Shrink disc / **Frette de serrage** / Schrumpfscheibe
- Valves / **Distributeurs** / Ventile

EXAMPLE / **EXEMPLE** / BEISPIELANGABE

Serie / Série / Serie	Type / Type / Typ
HSR	18



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HPS WORLDWIDE

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HPS International présent dans 28 pays
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